

CONVERGENCE ENERGY SERVICES LIMITED

*Core-3, 5th & 6th Floor, SCOPE Complex,
Lodhi Road, New Delhi-110003.*

SUPPLY CHAIN MANAGEMENT DEPARTMENT

OPEN TENDER

SECTION-1

DETAILED INVITATION FOR BIDS (IFB)

FOR

Name of Work: -: “Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India..”

NIT/ Bid Document No. CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 Dated: - 23-02-2021

CESL invites E-bids from interested bidders for the aforesaid work(s) under Single-stage Two-envelope Bidding Process **THROUGH E-TENDERING***. For details about the IFB, please refer to the details that follow. Any amendment(s)/corrigendum/clarification(s) with respect to this Tender shall be uploaded on the E-Procurement website only. The bidders should keep themselves updated by regularly visiting the E-Procurement website of EESL for any amendment/corrigendum/ clarification in regard to this Tender.

For & on Behalf of CESL

***The bids for E-tenders will be submitted online on the web site <https://eesl.eproc.in>. Oral, telephonic, telegraphic bids or those submitted in hard copies/physical form will not be entertained. In case, anything to the contrary is mentioned anywhere in the Tender, the same should be ignored.**

NIT/ Bid Document No. CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 Dated: 23-02-2021

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BID DETAILS

NIT/Bid Document No.	NIT/Bid Document No: CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 Dated:- 23-02-2021
Bidding Document Cost	INR 25,000/- (Rupees Twenty-Five Thousand Rupees Only)
Document Sale Date & Timing, i.e., Last date & time for downloading RfP from website	From 23.02.2021 (Tuesday) to 17-03-2021 (Wednesday) (up to 1400 IST)
Online Bid Submission Period	From 23.02.2021 (Tuesday) to 17-03.2021 (Wednesday) (up to 1430 IST)
Techno-commercial E-bid Opening Date & Time	17-03-2021 (Wednesday) at 1500 hrs. IST, online, at following address: - Convergence Energy Services Limited Core-5, 4 th Floor, SCOPE Complex, Lodhi Road, New Delhi-110003
Pre-Bid Meeting	Dated: 01.03.2021 (Monday) at 15:00 Hrs IST Meeting Link: https://eeslindia.webex.com/eeslindia/j.php?MTID=m7292c2c9344df7ef6db71762da213f9b Meeting number: 184 701 1358 Password: VBmpifXZ393 Host key: 946164
Bid Validity Duration	180 days from the date of opening of techno-commercial bid.
Bid Documents Sections in this Tender	Section-2 – Information to Bidders (ITB). Section-3 – General Conditions of Contract (GCC). Section-4 – Technical Specification and Special Conditions of Contract (SCC). Section-5 – Measurement and Verification. Section-6 – Forms & Procedures.
Contact Person(s) for Technical Queries (copy of the query to be marked to Contracts Dept. as well)	Sh. Dipak Kokate-(DGM-Tech) and Sh. Prashant Tewari Convergence Energy Services (P) Ltd E-mail- dhkokate@eesl.co.in, ptewari@eesl.co.in
Contact Person(s) for Tender-related Queries	Shri Deepak Mittal (AM – SCM), Mr. Mahendra Singh (Engineer-SCM) Convergence Energy Services (P) Ltd. E-mail: dmittal@eesl.co.in, msingh@eesl.co.in
RfP to be addressed to	AM (SCM), Core-5, 4 th Floor, SCOPE Complex, Lodhi Road, New Delhi-110003

1.0 All the bids must be accompanied by Bid Security Declaration, as mentioned above. **Bids not accompanying the Bidding Document Cost and Bid Security Declaration, or those accompanied by**

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these instruments of inadequate value, shall not be entertained and in such cases, the bids shall not be opened.

The bid Document fee and Bid Security Declaration must reach the following address in a sealed envelope superscribed **“EMD and Bidding Document Fee for. CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 Dated:- 23-02-2021 “before the submission date & time mentioned above.**

AM (SCM),
Convergence Energy Services Limited
Core-5, 4th Floor,
SCOPE Complex,
Lodhi Road, New Delhi-110003

The details of the instruments of Bidding Document Cost (DD/BG, etc. as applicable) have to be entered online in relevant fields/columns of the module while submitting the E-bid. It must be ensured by the bidder that the original instruments towards Bidding Document Cost and Bid Security Declaration are received by CESL before opening time of the techno-commercial bids for verification of the details of the same as given online by the bidder. Failure to comply with this would render the bid liable for rejection and the bid will not be opened online. CESL will not be responsible for any delay, loss or non-receipt of Bidding/RfP Document Cost or Bid Security Declaration sent by post/courier.

Any relaxation/exemption sought by bidders shall only be considered in accordance with relevant clauses Section-2 (ITB) regarding submission of Bid Security Declaration and Bidding Document Cost and shall be subject to fulfilment of conditions defined in the said clauses. Since all the conditions explained in the said clauses for seeking exemption from submission of Bidding Document Cost & Bid Security Declaration are self-explanatory, bidders should ascertain about their fulfilment of all conditions and submit their bid accordingly. If at any stage, it is found that false information is furnished or non-compliance of any of the conditions defined at the said clauses, the bid/offer shall be considered as non-responsive and would not be considered for further evaluation. Bidder seeking exemption from submission of the Bidding Document Cost and the Bid Security Declaration has to mandatorily submit/upload the scanned copy of their valid original registration certificate(s) as asked for in the relevant, clause along with other relevant documents as part of their online bid.

2.0 CESL reserves the right to cancel / withdraw the IFB without assigning any reason whatsoever and in such a case, no bidder / intending bidder shall have any claim arising out of such action.

3.0 The subject procurement will be done through e-tendering. The NIT is available on the website <https://eesl.eproc.in> or could be viewed after following the link of ‘e-Tendering’ on EESL's website's Home Page, i.e., <http://eeslindia.org> from where the bidders registered with EESL (registration process is explained at the Home Page) will be able to download the Tender documents and submit their bids online. The Tender submission, Tender closing and opening will be done electronically and online.

NOTE: EESL has appointed M/s. C1 India Pvt. Ltd., NOIDA as implementation agency for carrying out e-Procurement. Also, as per IT ACT 2000, use of Digital Signature Certificate (DSC) is mandatory for participating in the E-tendering process. New bidders should register on the website <https://eesl.eproc.in> by payment of one-time registration fee of Rs. 5,000/- through DD in favour of “Energy Efficiency Services Limited”.

Bidders are requested to visit “e-Tendering” section at EESL website, www.eeslindia.org for instructions and registration on E-tendering portal.

Steps for Registration on EESL's E-Procurement Portal

- (i) Open portal by entering URL <https://eesl.eproc.in> in internet explorer.
- (ii) Download and read ‘System Requirement Manual’ and Registration Manual from our e-tendering portal <https://eesl.eproc.in>

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- (iii) Click on 'Login/Sign Up' link and then Registration link for new registration.
- (iv) Fill all mandatory fields and click on submit button.
- (v) Login with the user id and password you have created. You will be redirected to a page where you have to enter your challenge phrase which is received in your registered email id.
- (vi) Register your class-III Signing and Encryption Digital Signature Certificate (DSC).
- (vii) Fill all mandatory fields of Common Info form and upload scan copy of your DD (in favour of "Energy Efficiency Services Limited", Delhi) in PDF format of INR 5,000/- and click on save and send the original DD to EESL, Delhi office, Covering Letter on your letter head pad and print out of page regarding registration of approval (automatically generated on screen).
- (viii) Also read the instructions given under E-tendering link available at home page of EESL website www.eeslindia.org.

Note: Online registration shall be done on e-tendering website, i.e., <https://eesl.eproc.in> & in general, activation of registration may take 24 hours subject to the submission of original DD. It is sole responsibility of the bidder to register in advance.

A. Digital Signature Certificate:

It is mandatory for all the bidders to have class-III Digital Signature Certificate (DSC) with signing and Encryption certificate (in the name of person who will sign the BID) from any of the licensed Certifying Agency (Bidders can see the list of licensed CAs from the link www.cca.gov.in) to participate in e-tendering of EESL.

B. EESL Global Support Telephones and e-mail id

Contact Details: +91-124-4302033/36/37, +91-8826814007
eeslsupport@clindia.com, sandeep.bhandari@clindia.com

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SECTION-2

INSTRUCTIONS TO THE BIDDER (ITB) / CONSORTIUM OF BIDDERS

Name of Work: -: ““Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India.”

NIT/BID Document No CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 **Dated:-** 23-02-2021

NOTE: THE TERMS & CONDITIONS STIPULATED IN SECTION-4 WILL SUPERSEDE ANY CONTRADICTORY/SIMILAR/OVERLAPPING TERMS & CONDITIONS IN ANY OTHER SECTION/PART OF THE TENDER

A. The Bidding Documents

1.1 The bidding documents include the following

Section-1	Invitation for Bids (IFB)
Section-2	Instructions to Bidder / Consortium of Bidders
Section-3	General Conditions of Contract
Section-4	Special Conditions of Contract explaining in detail technical specifications, scope of work for supply/supply and installation & Commissioning/Consultancy, drawings, documents in support of bidder's qualifications (Qualifying Requirement), and Online Price Bid format.
Section -5	Measurement and Verification
Section-6	Forms and Procedure Attachment 1: Format of Bid Form Attachment 2: Format for submitting BG format in lieu of EMD Attachment 3: Format of Power of Attorney. Attachment 4: Format for certificate acceptance of Important terms and Conditions. Attachment 5: Format for Deviations statement. Attachment 6: Format for Submission of Contract Performance Guarantee (CPG) Attachment 7: forms of Acceptance of Fraud Prevention Policy. Attachment 8: Not Applicable Attachment 9: Performa of Letter of undertaking. Attachment 10: Format for RTGS/NEFT payments. Attachment 11: Declaration of Quoted states. Attachment 12: Duly Compliance Matrix Attachment 13: Declaration of Local Content.

The bidder is expected to examine all the instructions, forms, terms, specifications and other information in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the bidder's risk and may result in rejection of bid.

Definitions

In the “Bid / Tender / Contract Document” as herein defined where the context so admits, the following words and expression will have the following meaning:

1. “Affiliate” shall mean a company that either directly or indirectly

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- i) controls or
 - ii) is controlled by or
 - iii) is under common control with
- a Bidding Company (in the case of a single company) and “control” means ownership by one company
2. "B.I. S" shall mean specifications of Bureau of Indian Standards (BIS);
 3. “Bid / Tender” shall mean the Techno Commercial and the Price Bid submitted by the Bidder along with all documents/credentials/attachments, formats, etc., in response to this Bid Document, in accordance with the terms and conditions hereof.
 4. “Bidder / Tenderer” shall mean Bidding Company submitting the Bid. Any reference to the Bidder includes Bidding Company including its successors, executors and permitted assigns jointly and severally, as the context may require”;
 5. “Bid Security” shall mean the unconditional and irrevocable bank guarantee/ demand draft to be submitted along with the Bid by the Bidder under ITB Clause 2.4 of this Bid;
 6. “Bidding Company” shall refer to such single/consortium company that has submitted the Bid in accordance with the provisions of this Bid;
 7. “Bid Deadline” shall mean the last date and time for submission of Bid in response to this Bid as specified in Bid information Sheet and as specified in ITB Clause 3.2 of this Bid document including all amendments thereto;
 8. “Bid Document” shall mean all Definitions, Sections, Layouts, Drawings, Photographs, Formats & Annexures etc. as provided in this bid including all the terms and conditions hereof.
 9. “Chartered Accountant” shall mean a person practicing in India or a firm whereof all the partners practicing in India as a Chartered Accountant(s) within the meaning of the Chartered Accountants Act, 1949;
 10. “Competent Authority” shall mean Managing Director (MD) of himself and/or a person or group of persons nominated by MD for the mentioned purpose herein;
 11. “Company” shall mean a body incorporated in India under the Companies Act,1956;
 12. "Contract" means the agreement entered into between the Employer and the Contractor, as recorded in the Contract Form signed by the parties, including all the attachments and appendices thereto and all documents incorporated by reference therein;
 13. "Contract Price / Contract Value" shall mean the sum accepted or the sum calculated in accordance with the prices accepted in Bid and/or the Contract rates as payable to the Contractor for the entire execution and full completion of the Work (Price for Supply, Transportation(including loading, unloading and transfer to Site), Insurance including change order.
 14. “Completion of Work” means that the Project/Works have been completed operationally and structurally and Commissioning has been attained as per Technical Specifications.
 15. “Commissioning” means successful operation of the Project/Works by the Contractor, for the purpose of carrying out Guarantee Test(s).
 16. “Contract Document" shall mean collectively the Bid Document, Design, Drawings, and Specifications, Annexures, agreed variations, if any, and such other documents consisting the bid and acceptance thereof;
 17. “Contractor’s Equipment” means all plant, Works, equipment, machinery, tools, apparatus, appliances or things of every kind required in or for installation, completion and maintenance of Works that are to be provided by the Contractor, but does not include plant and equipment, or other things intended to form or forming part of the Works.
 18. “Day” means calendar day;
 19. “Defect Liability Period” means the period of validity of the warranties given by the Contractor (commencing at Completion of the Project/Works, during which the Contractor is responsible for defects with respect to the Project/Works.
 20. “Employer” or “CESL” shall mean Convergence Energy services Limited, New Delhi.
 21. “Eligibility Criteria” shall mean the Eligibility Criteria as set forth in Section 3: Technical& Special Conditions of Contract of this BID;
 22. “Engineer-in-Charge” shall mean the person designated from time to time by the Employer and shall include those who are expressly authorized by him to act for and on his behalf for operation of this Contract;
 23. “Effective Date” means the date from which the Time for Completion shall be determined;
 24. “GCC” means the General Conditions of Contract contained in this section;
 25. “GHI” shall mean Global Horizontal Irradiation.
 26. "Goods" means permanent plant, equipment, machinery, apparatus, articles and things of all kinds to be provided and incorporated in the Works by the Contractor under the Contract but does not include Contractor’s Equipment;

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27. "Guarantee Test(s)" means the test(s) specified in the Technical Specification to be carried out to ascertain whether the Project/Works is able to attain the functional requirements specified in the Technical Specifications.
28. "The Government" means the Government of India.
29. "IEC" shall mean specifications of International Electro-technical Commission;
30. "CESL" shall mean Convergence Energy Services Limited;
31. "Mobilization" shall mean establishment of adequate infrastructure by the Contractor at Site comprising of construction equipment's, aids, tools tackles, offices with facilities such as power, water, communication etc. including manpower comprising of Engineers, Supervising personnel and an adequate strength of skilled, semi-skilled and un-skilled workers, who with the so established infrastructure shall be in a position to commence execution of Work at site(s), in accordance with the agreed Time Schedule of Completion of Work.
32. "O&M/ AMC" shall mean Operation & Maintenance(O& M)/ Annual Maintenance Contract (AMC) of the supplied equipments;
33. "Parent Company" shall mean a company that holds paid-up equity capital directly or indirectly in the Bidding Company, as the case may be;
34. "Price Bid" shall mean separate Envelope, containing the Bidder's Quoted Price as per the format prescribed in Section-4 (Technical & Special Conditions of Contract) of this BID;
35. "Qualified Bidder" shall mean the Bidder(s) who, after evaluation of their Techno Commercial Bid as per Eligibility Criteria set forth in Section 3: Technical& Special Conditions of Contract of this BID stand qualified for opening and evaluation of their Price Bid;
36. "SNA" shall mean State Nodal Agency.
37. "SCC" means the Special Conditions of Contract.
38. "Statutory Auditor" shall mean the auditor of a Company appointed under the provisions of the Companies Act, 1956 or under the provisions of any other applicable governing law;
39. "Services" means all those services ancillary to the supply of the Works, to be provided by the Contractor under the Contract; e.g. transportation(including loading, unloading and transfer to Site) and provision of marine or other similar insurance, inspection, expediting, Site preparation works (including the provision and use of Contractor's Equipment and the supply of all civil, structural and construction materials required),installation,/Pre-commissioning, commissioning, carrying out guarantee tests, operations, maintenance, the provision of operations and maintenance manuals, training of Employer's personnel and one or two persons from the beneficiaries groups are imparted trainings etc.
40. "Successful Bidder(s) / Contractor(s)" shall mean the Bidder(s) selected by Employer pursuant to this Bid i.e. on whom award is made. They are also called as implementing partner which includes Consultants also.
41. "Site" means the Land and other places upon which the Works are to be installed, and such other land or places as may be specified in the Contract as forming part of the Site. The details of the Site are as contained in Section 3: Technical& Special Conditions of Contract of this BID.
42. "Sub-Contractor" means any person or firm or Company (other than the Contractor) to whom any part of the Work has been entrusted by the Contractor, with the written consent of the Engineer-in-Charge, and the legal representatives, successors and permitted assigns of such person, firm or company.
43. "Standards" shall mean the standards mentioned in the technical specification of the goods and equipment utilized for the Work or such other standard which ensure equal or higher quality and such standards shall be latest issued by the concerned institution like Bureau of Indian standards(BIS), MNRE, etc.
44. "Time for Completion" means the time within which Completion of the Project/Works is to be attained in accordance with the stipulations in the SCC and the relevant provisions of the Contract;
45. "Work" means the "Goods" to be supplied and installed, as well as all the "Services" to be carried out by the Contractor under the Contract;
46. "Wp" shall mean Watt Peak.
47. Third Parties means to which employer has awarded some work and consultant may be required to co-ordinate with third parties as per scope of work.
48. Agreed Remuneration means the fee to which consultant is entitled as per their quoted and agreed price according to the contract.
49. Consultant: The consultant shall be the professional undertaking or the professional individual named in the contract who is appointed by the employer to perform the services.



Interpretations

1. Words comprising the singular shall include the plural & vice versa
2. An applicable law shall be construed as reference to such applicable law including its amendments or re-enactments from time to time.
3. A time of day shall save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.
4. Different parts of this contract are to be taken as mutually explanatory and supplementary to each other and if there is any differentiation between or among the parts of this contract, they shall be interpreted in a harmonious manner so as to give effect to each part.
5. The table of contents and any headings or sub headings in the contract has been inserted for case of reference only & shall not affect the interpretation of this agreement.

1.2 Clarification on Bidding Documents

A prospective Bidder requiring any clarification to the bidding documents may notify the CESL in writing or by post or by telex or telefax) at the CESL's mailing address indicated below. The CESL will respond in writing to any request for clarification or modification of the bidding documents that it receives no later than ten (10) days prior to the deadline for submission of bids prescribed by the CESL. Written copies of the CESL's response (including an explanation of the query but not identification of its source) will be sent to all prospective Bidders that have received the bidding documents.

The address of CESL, for communication:

Deepak Mittal (Supply Chain Management),
Convergence Energy Efficiency Limited,
C/o Floor 4th, Core 5
Scope Complex, Lodhi Road,
New Delhi-110003
Email: dmittal@eesl.co.in

The Bidder is advised to visit and examine the site where the facilities are to be installed and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for supply and installation of the facilities. The costs of visiting the site shall be borne by the bidder fully.

CESL will also facilitate the bidder and any of its personnel or agents for getting permission from the authorities, where actual work is to be executed, to enter upon its premises and lands for the purpose of such inspection, but only upon the express condition that the Bidder, its personnel and agents will release and indemnify the CESL and also the authorities, where work is to be executed, and its personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and expenses incurred as a result of the inspection.

Whenever the bidder is silent about the acceptance of RfP/IFB conditions such as bank guarantee, warranty period, liquidated damages, certification of relation clause no.2.13 [Conflict of Interest] etc. it shall be presumed that the bidder has accepted and certified RfP/IFB conditions and no further correspondence seeking specific confirmation about acceptance of these conditions shall be made.

The Bidder shall be deemed to have examined the Bid document, to have obtained his own information in all matters whatsoever that might affect carrying out the Works in line with the Technical specifications and Scope of Work specified in the document at the offered rates and to have satisfied himself to the sufficiency of his Bid. The bidder shall be deemed to know the scope, nature and magnitude of the work and requirement of materials, equipment, tools and labour involved, local and national wage structures and as to what all works he has to complete in accordance with the Bid documents irrespective of any defects, omissions or errors that may be found in the Bid documents.

1.3 Amendment to bidding documents

At any time prior to the deadline for submission of bids, the CESL may, for any reason, whether at its own initiative, or in response to a clarification requested by a prospective Bidder, amend the bidding documents.

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The amendment will be notified in writing or by cable to all prospective bidders who have purchased the bidding documents and will be binding on them. Bidders are required to immediately acknowledge receipt of any such amendment, and it will be assumed that the information contained therein have been taken into account by the Bidder in its bid.

In order to afford prospective Bidders reasonable time in which to take the amendment into account in preparing their bid, the CESL may, at its discretion, extend the deadline for the submission of bids.

1.4 Cost of tender Documents

Interested bidder/consortium of bidders may download the RfP/ Tender documents from the website www.eeslindia.org or may purchase the detailed RfP from the CESL office, address of which is given above at 1.2, between 0900 hrs. and 1730 hrs. on working days on payment of amount as mentioned in Section-1. The payment would be accepted in the form of crossed Demand Draft (DD)/Pay Order/Banker's Cheque, drawn from any Scheduled Bank, payable at par at NOIDA, in favour of "Energy Efficiency Services Limited".

While submitting the bid (in case tender documents are downloaded from CESL website), bidder shall submit Tender Document Cost as mentioned in Section-1 in the form of DD/Pay Order/Banker's Cheque in favour of "Energy Efficiency Services Limited" payable at NOIDA/Delhi along with the bid. However, bidders who directly purchase the tender documents from CESL can do so by payment of requisite bid document fee at CESL office in the form of DD/Pay order or Banker's Cheque.

B. Preparation of Bids

2.1 Procedure for Submission of Bid/RfP.

Single Stage Single Envelope Bidding Process:

The Bidder or Consortium of bidders should submit hard copy of the offer, i.e. Techno Commercial and Price Bid together in a single sealed envelope superscripted with Bid/RfP number and date, content of envelope, name of work and Bid opening date. Bid-Form, Power of Attorney, Certificate regarding acceptance of important terms and conditions, Deviations Statement, Form of acceptance of Fraud Prevention Policy, etc. as per format defined in Section-6 (Forms & Procedures) shall also be submitted in the same envelope.

Single Stage Two Envelope Bidding Process:

The Bidder shall seal the proposal in one outer and two inner envelopes labeled as Envelope-I and Envelope-II. Two Envelopes should contain the details of the offer as follows:

Envelope-I should contain (This envelope appear ONLINE in dynamic form in case of E-tenders)

- i. Tender Document Cost in the form of DD/Pay Order/Banker's Cheque (wherever applicable).
- ii. Bid Security/Earnest Money Deposit in the form of Banker's Cheque/Demand Draft/Pay order in favor of "Energy Efficiency Services Limited" or in the form of Bank Guarantee as prescribed format as Attachment-2 of Section-6 (Forms & Procedures). **(Only Bid Security Declaration and Bid document fee related document to be submitted by post in sealed envelope superscribed with RfP/Tender reference in case of e-tender).**
- iii. Power of attorney to sign the bid as Attachment-3 of Section-6 (Forms & Procedures). Bidders to use their own format.
- iv. Certificate regarding acceptance of important terms and conditions as per ITB Clause No. 4.6 as Attachment-4 of Section-6 (Forms & Procedures).
- v. Letter of the bidder submitting the bid in the form as stipulated in the bid document, i.e., as per Bid Form as Attachment-1 of Section-6 (Forms & Procedures).
- vi. Deviation statement as per Attachment-5 of Section-6 (Forms & Procedures).
- vii. Form of acceptance of EESL fraud prevention policy as per Attachment-7 of Section-6 (Forms & Procedures).
- viii. Techno-commercial bid as indicated in bid document. Documentary evidence regarding bidder's qualifications to perform the contract as required in qualifying Requirement.

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Envelope-II should contain Price Bid, to be submitted in 2nd inner sealed envelope, shall comprise of:
(In case of E-tender Price bid is to be submitted ONLINE)

- i. Price Bid in the format prescribed in the tender document.

The entire two separately sealed envelopes will then be placed in one outer envelope, sealed and marked properly and submitted to the CESL office on or before the deadline for submission of the bid. Every envelope (2 inner and 1 outer) should be super-scribed with Bid/RfP number and date, content of envelope i.e. bid security/price bid etc., name of work and Bid opening date.

Single Stage Three Envelope Bidding Process:

The Bidder shall seal the proposal in one outer and three inner envelopes labeled as Envelope-I, Envelope-II and Envelope-III. Three Envelopes should contain the details of the offer as follows:

Envelope-I should contain (This envelope appear ONLINE in dynamic form in case of E-tenders).

- i. Bid document fee/cost of tender documents inform of DD/Pay order or banker's cheque [wherever applicable].
- ii. Bid Security fees/Earnest Money Deposit in form of Banker's Cheque/Demand Draft/Pay order in favor of "Energy Efficiency Services Limited" or in the form of Bank Guarantee as prescribed format [attachment 2 of section - 6, Forms & Procedure]. **(Only Bid Security Declaration and Bid document fee related document to be submitted by post in sealed envelope superscripted with RfP/Tender reference in case of e-tender)**
- iii. Letter of the bidder submitting the bid in the form as stipulated in the bid document i.e., as per Bid Form as attachment 1 of section - 6, Forms & Procedure.
- iv. Power of attorney to sign the bid as attachment 3 of section - 6, Forms & Procedure. Bidders to use their own format.
- v. Certificate regarding acceptance of important terms and conditions as per ITB clause 4.6 as attachment 4 of section - 6 (Forms & Procedures).
- vi. Form of acceptance of CESL fraud prevention policy as per attachment 7 of section-6 (Forms & Procedures).

Envelope-II i.e. Techno commercial Proposal of the bid, to be submitted in 2nd inner sealed envelope, shall comprise of: (This envelope appear ONLINE in dynamic form in case of e tenders)

- i. Deviation statement as per attachment 5 of section - 6, Forms & Procedures.
- ii. Techno-commercial bid as indicated in bid document. Documentary evidence regarding bidder's qualifications to perform the contract as required in qualifying Requirement.

Envelope-III should contain Price Bid, to be submitted in 3rd inner sealed envelope, shall comprise of: (In case of e tender Price bid is to be submitted ONLINE)

- i. Price Bid in the format prescribed in the tender document.

The entire three separately sealed envelopes will then be placed in one outer envelope, sealed and marked properly and submitted to the CESL office on or before the deadline for submission of the bid. Every envelope (3 inner and 1 outer) should be superscripted with Bid/RfP number and date, content of envelope i.e. bid security/price bid etc., name of work and Bid opening date.

Copy of Bid/RfP should be a complete document and should be bound as a volume separately. The document should be page numbered and appropriately flagged and contain the list of contents with page numbers. The deficiency in documentation may result in the rejection of the Bid. All pages of the bid are to be signed by the authorized signatory (authorized through power of attorney) and must be having official seal of the bidder.

Bids not accompanied by cost of tender documents/ Bid Security Fees or EMD etc. shall be out-rightly rejected and treated as non-responsive. Further, their price-bid will be not be opened.

For tenders received in unsealed/unstapled/open condition or without any superscription, resulting in opening of tender before due date, the risk and responsibility of losing confidentiality shall rest with the tenderer (applicable for manual tender only)

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2.2 Cost of Bid/ RfP

The Bidder or Consortium of bidders shall bear all costs associated with the preparation and submission of its Bid/RfP, including cost of presentation for the purposes of clarification of the bid, if so desired by the CESL. CESL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

2.3 Language of Bids

The proposal prepared by the bidder/consortium of bidders and all correspondence and documents relating to the Bid/RfP exchanged by the bidder/consortium of bidders and CESL, shall be written in English language, provided that any printed literature furnished by the bidder/consortium of bidders may be written in another language so long the same is accompanied by an English translation in which case, for purposes of interpretation of the bid, the English translation shall govern.

2.4 Bid Security/Earnest Money Deposit (EMD) (To be submitted Offline before bid submission time)

Amount of Bid Security: Bid Security/Earnest Money deposit as mentioned in Section I is to be submitted.

The bidder shall furnish, as part of its bid, a bid security in a separate envelope (ITB Clause 2.1). The bid security shall, at the bidder's option, be in the form of a Banker's cheque, Demand Draft in favor of "Energy Efficiency Services Limited" or a bank guarantee as per format in section VI. Bid security/EMD shall remain valid for a period of 45 days beyond the original bid validity period. If there is any extension in bid validity period, then CESL may ask the bidder to extend the validity of bid security.

Any bid not accompanied by an acceptable bid security, shall be rejected by CESL as being non-responsive and returned to the bidder without being opened. The bid security of a consortium must be in the name of all the partners in the consortium submitting the bid. If lead partner is mentioned in case of consortium, then bid security can be in the name of lead partner.

The bid securities of unsuccessful bidders will be returned as promptly as possible after the award is made to lowest evaluated technically acceptable bidder.

The bid security of the successful bidder will be returned when the bidder has signed the contract agreement, and has furnished the required performance security.

Please note that:

1. Following benefits will be given to Start ups and MSEs in this tender: -

All MSEs notified as per GFR 2017 clause no. 1.10.4 and as notified below shall be exempted from payment of Tender Document Fee and Bid Security/ Earnest Money Deposit. For claiming this exemption, MSE must, along with their offer, provide proof of their being registered as MSE (indicating the terminal validity date of their registration) for the item tendered, with any agency mentioned in the notification of Ministry of MSME, indicated below: -

- (a) District Industries Centers;
- (b) Khadi and Village Industries Commission;
- (c) Khadi and Village Industries Board;
- (d) Coir Board;
- (e) National Small Industries Corporation;
- (f) Directorate of Handicraft and Handloom;
- (g) Udyog Aadhar Memorandum issued by Ministry of MSE; or
- (h) Any other body specified by the Ministry of MSME.

1. For claiming the above exemption for Start-ups, a valid certificate of Start-up recognized by

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‘Department of Industrial Policy & Promotion (DIPP)’ along with Business eligibility certificate or any other document issued by Govt/Recognized institute is required in support of product/ service item being tendered.

2. **Purchase Preference to MSEs:** Subject to meeting terms and conditions stated in the tender document including but not limiting to prequalification criteria, 25% of the total quantity of the tender is earmarked for MSEs registered with above mentioned agencies/bodies for the tendered item. Out of the 25% target of annual procurement from micro and small enterprises 4% & 3% shall be earmarked for procurement from micro and small enterprises owned by Scheduled Caste (SC) & Scheduled Tribe (ST) entrepreneurs & Women entrepreneurs respectively. In the event of failure of such MSEs to participate in the tender process or meet the tender requirements and L1 price 4% & 3% sub targets so earmarked shall be met from other MSEs.

Type of tender	Price quoted by MSE	How the tender shall be finalized
Can be split	L1	Full Order on MSE subject to tender evaluation condition
Can be split	Not L1 but within L1+15%	25% order on MSE subject to matching L1 price
Cannot be split	L1	Full Order on MSE
Cannot be split	Not L1 but within L1+15%	Full Order on MSE subject to matching L1 price

- 2.1 Where the tendered quantity can be split:** In a bid, if prices quoted by participating Micro and Small Enterprises (MSEs) fall within the price band of L1+15%, such MSE shall also be allowed to supply 25% of the total tendered quantity by bringing down their prices to L1 prices. In case of more than one such MSE (L1+15%) the supply shall be shared proportionately (to tendered quantity), subject to the condition that such MSEs match the L1 price. Further, 4% out of above 25% shall be from MSEs owned by SC/ST entrepreneurs & 3% out of above shall be from MSEs owned by women entrepreneurs. This quota is to be transferred to the general category MSEs in case of NON-availability of MSEs owned by SC/ ST entrepreneurs & Women entrepreneurs respectively.

- 2.2 Where the tendered quantity cannot be split/divide:** In case of tender item is non-split able or non-dividable, etc.: MSE quoting price within price band L1+15% may be awarded for full/complete supply of total tendered value to MSE, considering spirit of Public Procurement Policy, 2012 for enhancing the Govt. Procurement from MSE.

2.3 MSE owned by SC/ST is defined as:

- In case of proprietary MSE, proprietor(s) shall be SC /ST
- In case of partnership MSE, The SC/ST partners shall be holding at least 51% shares in the enterprise.
- In case of Private Limited Companies, at least 51% share shall be held by SC/ST promoters.

2.4 MSE owned by Women is defined as:

- In case of proprietary MSE, proprietor(s) shall be Women
 - In case of partnership MSE, The Women partners shall be holding at least 51% shares in the enterprise.
 - In case of Private Limited Companies, at least 51% share shall be held by Women promoters.
- If bidder does not provide appropriate document or any evidence to substantiate the above, then it will be presumed that he does not qualify for any preference admissible under the Public Procurement Policy, 2012.

3. For relaxing the PQ/QR conditions regarding prior turnover and prior experience for MSEs and start-ups, the prior turnover and prior experience will be as under subject to their meeting of quality and technical specifications: -

Category of tender	Past experience	Average Turn Over	Award Philosophy
Can be split as per	25% of total	25% of total ATO	(a) If MSE is L1, order

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tender conditions	experience as required for general bidders	as required for general bidders	<p>will be given as per split criteria in order of ranking as defined in the tender document which could be greater than 25%. The treatment for award will be same for MSE as general bidder.</p> <p>(b) If MSE is other than L1 bidder, then the split criteria as per tender condition will be followed subject to price matching with L1 bidder in order of ranking treating the MSE bidder(s) at par with the general bidder. In such event also, order(s) going to MSE bidder(s) could be greater than 25%. If order(s) going to MSE bidder(s) is/are less than 25% after the matching of rates with L1 bidder by adopting the tender split criteria, then the clause of purchase preference for award to MSE bidder(s) up to 25% of the tendered quantity subject to matching L1 rates will be followed to make the total quantity going to MSE bidder(s) @ 25%; provided the rates are within L1+15% range. In such cases, remaining quantity after award of 25% to MSE bidder(s) shall be distributed amongst other eligible bidders in the pre-declared split ratio. If order(s) going to MSE bidder(s) is less than 25% and also MSE bidder(s) not meeting the condition of purchase preference clause i.e. quoted rates not within L1+15% range, then the order(s) quantity going to MSE bidder(s) in such cases shall be less than 25% which will be in line with the tender conditions.</p> <p>(c) If MSE is in the range of L1+15% and not getting the order after splitting and award is going to all non MSE bidder(s), then in such event 25% will be awarded to MSE bidder(s) who fall in the range of L1+15% subject to price matching and remaining 75% will be awarded as per the</p>
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			<p>tender conditions to general bidders subject to matching L1 rates.</p> <p>(d) If after splitting MSE bidder(s) are getting order for more than or equal to 25%, then other MSE bidder(s) will not be awarded any work under purchase preference clause even if they fall in the range of L1+15%. However, they will be considered for award of work as any other general bidder as per tender conditions subject to matching of rates in order of ranking.</p> <p>(e) If MSE bidder is a single resultant vendor, then the quantity that would be considered for award to such bidder will be as defined in the pre-declared split ratio to L-1 bidder in the tender condition; provided the quoted rates of the bidder are found reasonable by CESL. However, CESL reserves the right to award 100% quantity to such MSE bidder provided the MSE bidder has got ATO which is corresponding to the cumulative applicability for 100% order value. In case, where ATO of the MSE bidder is less than what is required for 100% cumulative order value, then work may be awarded to such MSE bidder in proportion to the ATO. For exp: If ATO of MSE bidder is 56% of the cumulative ATO requirement of 100% order value, then maximum 56% work may be awarded to the MSE bidder. However, in such case CESL reserves the right to award appropriate quantity based on the existing requirement and such decision will be taken by CESL which will be binding on the bidder. CESL may take consent from the bidder for award of such quantity (which is over and above the quantity to be allotted to L-1 bidder as per pre-declared split ratio) before award.</p>
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Cannot be split as per tender conditions	25% of total experience as required for general bidders	85% of total ATO as required for general bidders	<p>(a) If MSE is L1, 100% order will be given to MSE.</p> <p>(b) If MSE is within the range of L1 + 15%, 100% order will be given to MSE subject to price matching with L1 bidder.</p> <p>(c) If MSE is not L1 and not in range of L1 + 15%, no work will be given to MSE.</p>
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4. Start-ups are also covered under 25% purchase preference from procurement basket of MSEs as defined in point (3) above, provided that participating Start-ups submit all the relevant documents pertaining to MSEs as defined in point (1) above and documents for start-ups as defined in point (2) above.

whereas, startup means an entity, incorporated or registered in India:

- Not prior to seven years, however for Biotechnology Startups not prior to ten years,
- With annual turnover not exceeding INR 25 crore in any preceding financial year, and
- Working towards innovation, development or improvement of products or processes or services, or if it is a scalable business model with a high potential of employment generation or wealth creation
- Provided that such entity is not formed by splitting up, or reconstruction, of a business already in existence. Provided also that an entity shall cease to be a Startup if its turnover for the previous financial years has exceeded INR 25 crore or it has completed 7 years and for biotechnology startups 10 years from the date of incorporation/ registration.

Note: For Start-up firms, Gazette Notifications dated: 17-Feb-2016, G.S.R. 180 (E), and subsequently issued notifications will be considered.

NOTES: -

- In case where tender quantity can be split and MSE bidder is already getting order more than 25% of the tender value, no additional purchase preference is required to be given in that tender.
- In case MSE bidder is already getting order for less than 25% of the tender quantity, purchase preference to this and other MSE vendor (together) shall be given only up to the differential quantity to make total as 25% to MSE vendor subject to L1+15% and price matching.
- Public Procurement policy is meant for procurement of goods produced and services rendered by Micro and Small Enterprises. The preference to MSEs is not applicable for works contracts where supply of goods not produced by MSEs is also involved.
- The eligibility of MSE bidders for any other benefits/relaxations for MSE bidders indicated in Tender documents shall be as indicated in the above "Tender conditions for Benefits/Preference for Micro & Small Enterprises (MSEs)."
- If bidder submits EMD/bid security fees and also MSE certificate along with the offer, then the bidder will be treated as general bidder and no relaxation will be given to such bidders pertaining to MSE's.
- The registration certificate must be valid as on bid closing date of the tender. Bidder shall ensure validity of certificate in case bid closing date is extended. The MSEs who have applied for registration or renewal of registration with any of the above agencies/bodies, but have not obtained the valid certificate till the end date of bid submission, are not eligible for any exemption/preference and will not be considered. Such offers will be treated as offers received without EMD and out rightly rejected.
- Traders, resellers, distributors and agents will not be considered for availing benefits under PP Policy 2012 for MSEs.

2.5 Power of Attorney

Power of Attorney as attachment 3 in first envelope: A power of attorney duly authorized by a notary public, indicating that the person(s) signing the bid has/have the authority to sign the bid and thus the bid is binding upon the bidder during the full period of its validity in accordance with ITB clause 2.10.

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2.6 Certificate Regarding Acceptance of Important Conditions

Certificate Regarding Acceptance of Important Conditions as attachment 4 is to be submitted in first envelope.

No deviation, other than mentioned in Deviation statement, is permitted by the CESL, to the provisions of the bidding documents listed in ITB sub-clause 4.6. The Bidders are advised that while making their bid proposals and quoting prices, these conditions may appropriately be taken into consideration. Bidders are required to furnish a certificate indicating their compliance to the provisions relating to the clauses listed in ITB sub-clause 4.6 in Attachment 4. Attachment 4 for acceptance of important conditions duly signed and stamped by the bidder is to be furnished in a separate sealed first envelope/Online. Any bid not accompanied by such certificate in a separate sealed first envelope/such certificate Online shall be rejected by the CESL and returned to the Bidder without being opened.

2.7 Deviations,

Deviations, if any, from the terms and conditions of bidding documents or technical specifications shall be listed only in Attachment 5 to the bid. The Bidder shall also provide the additional price, if any, for withdrawal of the deviations. However, the attention of the bidders is drawn to the provisions of ITB sub-clause 4.6 regarding the rejection of bids that are not substantially responsive to the requirements of the bidding documents.

Bidders may further note that except for the deviations listed in Attachment 5, the bid shall be deemed to comply with all the requirement in the bidding documents and the bidders shall be required to comply with all such requirements of bidding documents and technical specifications without any extra cost to the CESL irrespective of any mention to the contrary, anywhere else in the bid, failing which the bid security of the bidder may be forfeited.

At the time of award of contract, if so desired by the CESL, the bidder shall withdraw these deviations listed in Attachment-5 at the cost of withdrawal stated by him in his bid. In case the bidder does not withdraw the deviations proposed by him, if any, at the cost of withdrawal stated in the bid, his bid will be rejected and bid security forfeited.

2.8 Bid prices

Unless otherwise specified in the technical specifications, bidders shall quote for the entire facilities on a “single responsibility” basis such that the total bid price covers all the contractor’s obligations mentioned in or to be reasonably inferred from the bidding documents in respect of the design, manufacture, including procurement and subcontracting (if any), delivery, construction, installation, survey cost, monitoring and verification cost and completion of the facilities including supply of mandatory spares or spares to be supplied during warranty (if any). This includes all requirements under the contractor’s responsibilities for testing, pre -commissioning and commissioning of the facilities and, where so required by the bidding documents, the acquisition of all permits, approvals and licenses, etc.; the operation, maintenance and training services and such other items and services as may be specified in the bidding documents, all in accordance with the requirements of the General Conditions of Contract and Technical Specification.

Bidders are required to quote the price for the commercial, contractual and technical obligations outlined in the bidding documents. If a Bidder wishes to make a deviation to the provisions of the bidding documents, such deviations shall be listed in Attachment 5 of its bid. The bidder shall also provide the additional price, if any, for withdrawal of the deviations, pursuant to ITB sub-clause 2.7.

Bidders shall give a breakdown of the prices in the manner and detail called for in the price schedules.

2.9 Price Basis

Price basis of the price quoted shall be on F.O.R (Free on Road) destination basis for site. Price mentioned in the quotation must be firm. Hence prices in Letter of Award shall be firm and not subject to escalation till the execution of the complete order and its subsequent amendments accepted by the bidder even though the completion / execution of the order may take longer time than the delivery period specified and accepted in the Letter of Award.

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Statutory variation in applicable taxes & duties (other than excise duty) shall only be on account of Employer in case bidder has shown the rates of present taxes in their bid and other prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account. Even in case prices asked in Bid price Schedule are quoted as inclusive of taxes, tax rates shall be shown separately. Bidders shall quote all prices in Indian Rupees only.

2.10 Period of Validity of Bid

Bids shall remain valid for a period of 90 days after the closing date prescribed by the CESL for the receipt of bids. A bid valid for a shorter period may be rejected by the CESL as being non responsive. In exceptional circumstances, the CESL may solicit the bidder's consent to an extension of the bid validity period. The request and response thereto shall be made in writing thro' letters/ e-mails. If the bidder accepts to prolong the period of validity, the bid security/EMD shall also be suitably extended. A bidder may refuse the request for Bid Validity Extension without forfeiting its bid security. A bidder granting the request will not be required nor permitted to modify its bid.

2.11 Format and Signing of Bid

The original copy of the bid, consisting of the documents listed in ITB sub-clause 1.1 shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the contract. The authorization shall be indicated by written power of attorney accompanying the bid and submitted as Attachment 3 to the bid under ITB sub-clause 2.5. All pages of the bid, except for un-amended printed literature, shall be initialed by the person or persons signing the bid.

Any interlineations, erasures or overwriting shall only be valid if they are initialed by the signatory to the bid.

2.12 Contents of the RfP/Bid

The Bidder or consortium of bidders is expected to examine all instructions, forms, terms & conditions and scope of work in the RfP/bid documents. Failure to furnish all information required or submission of an RfP/bid document not substantially responsive to the RfP/bid document in every respect will be at the bidder's risk and may result in the rejection of the RfP/bid.

2.13 Conflict of Interest

CESL's policy requires that a bidder participating in a procurement/contract process under CESL financed projects shall not have a conflict of interest. All bidders found to have a conflict of interest shall be ineligible for award of contract.

A. Bidder may be considered to have a conflict of interest in a bidding process if:

- it, or any of its affiliates, has been engaged by CESL to provide consulting services for the preparation or implementation of a project, and participates in a bidding to provide goods, works, or non-consulting services resulting from or directly related to such consulting services. Or
- it submits more than one bid in a bidding process, either individually or as a partner in a joint venture, except for permitted alternative bids. This will result in the disqualification of all bids in which the bidder is involved. However, this does not limit the inclusion of a firm as a subcontractor in more than one bid and the participation of a bidder as a subcontractor in another bid in certain types of procurement/contract, if permitted by the CESL's bidding documents; or
- it (including its personnel or sub-contractors) has a business or family relationship with a member of a CESL's staff (or of the project implementing staff, or of a recipient of a part of the loan) who: are directly or indirectly involved in the preparation of the bidding documents or specifications of the contract, and/or the bid evaluation process of such contract; or would be involved in the implementation or supervision of such contract unless the authority inviting tenders shall be informed of the fact/ such relationship at the time of submission of the tender and the conflict stemming from such relationship has been resolved in a manner acceptable to the CESL throughout the procurement process and execution of the contract. CESL may in its discretion reject the tender or rescind the contract.; or
- it does not comply with any other conditions that may be specified in the Company's Standard Bidding Documents relevant to the specific procurement process.

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2.14 Disclaimer

CESL and/or its officers, employees disclaim all liability from any loss or damage, whether foreseeable or not, suffered by any person acting on or refraining from acting because of any information including statements, information, forecasts, estimates or projections contained in this document or conduct ancillary to it whether or not the loss or damage arises in connection with any omission, negligence, default, lack of care or misrepresentation on the part of CESL and/or any of its officers, employees.

2.15 Authorized Signatory (Bidder or Consortium of bidders)

The bidder or consortium of bidders as used in the RfP/ bid document shall mean the one who has signed the bid/RfP document forms. The bidder or consortium of bidders should be the duly authorized representative of the bidder/consortium of bidders, for which a certificate of authority/power of attorney will be submitted along with the offer. This should clearly define the authority provided to the authorized representative. Complete offer, all certificates and documents (including reply to any clarifications sought and any subsequent correspondences) shall be furnished and signed on all pages by the authorized representative.

The power of attorney or authorization, or any other document consisting of adequate proof of the ability of the signatory to bind the bidder or consortium of bidders shall be annexed to the bid as attachment 3 in envelope 1. CESL may reject outright any proposal not supported by adequate proof of the signatory's authority.

2.16 Consortium related conditions

The bidder shall have the option to submit the proposal either alone or along with other partner companies. Prerequisites for bidder have been specified in qualifying requirement and other parts of the tender document. The lead partner shall be the sole point of contact for all purposes of the Contract. The lead partner will have the prime and sole responsibility for the execution of the scope of work. Any information/clarification submitted to the lead partner by CESL will mean that the same has been conveyed to all partners. However, the partner companies should not be involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this contract. The bidder or any of the partner companies should not have been black-listed by any Central / State Government or Public Sector Undertakings. If at any stage of tendering process or during the currency of the contract, any suppression / falsification of such information is brought to the knowledge, CESL shall have the right to reject the proposal or terminate the contract, as the case may be, without any compensation to the tenderer & forfeiture of bid security/EMD/CPG.

2.17 Contact details of the Bidder or Consortium of bidders

Bidder or Consortium of bidders who wants to receive CESL's response to queries should give their contact details to CESL. The Bidder or Consortium of bidders should send their contact details in writing at the CESL's contact address.

2.18 Inspection / Checking / Testing

All materials / Equipment manufactured by the bidder/consortium of bidders against the Letter of Award shall be subject to inspection, check and/or test by the CESL or his authorized representative at all stages and place, before, during and after the manufacture. All these tests shall be carried out in the as per technical specifications and bidder shall submit the relevant test reports. If upon delivery the material / equipment does not meet the specification, the materials / equipment shall be rejected and returned to the bidder for repairs / modification etc. or for replacement. In such cases all expenses including the to-and-fro freight, repacking charges, any other costs etc. shall be to the account of the bidder.

2.19 Removal of Rejected Goods and Replacement

If upon delivery, whether inspected and approved earlier or otherwise, the material/equipment is not in conformity with the specification, the same shall be rejected by CESL or duly authorized representative and notification to this effect will be issued to the bidder normally within 7 days from the date of receipt of the material at the work/site/office.

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The bidder shall arrange removal of the rejected items within 15 days from the date of notification. In the event, the bidder fails to lift the materials within the said 15 days, CESL shall be at liberty to dispose off such rejected items in any manner as it may deemed fit. All expenses incurred on storage, disposal etc. shall be recoverable from the bidder.

2.20 Access to Bidders Premises

CESL and/or its authorized representative shall be provided access to bidder and/or his sub- bidder's premises, at any time during the pendency of the Order, for expediting, inspection, checking, etc. of work, if it is felt by CESL.

2.21 Taxes, Levies and Duties

Prices of items shall be quoted as per instruction contained in SCC. However, in general, prices shall be inclusive of sales tax, transportation, insurance, levies, service tax and any other duties payable including entry tax/octroy etc, (wherever applicable) on FOR destination/site basis. All taxes and duties shall be clearly indicated. Bidder is to arrange on its own to deliver the material at site. No road permit is provided by CESL.

For hiring of consultant/consultancy work also service tax shall be quoted exclusive of basic price. However, rates of such taxes consider while preparing the offer should invariably be mention in the offer so that any variation in taxes (except excise duty) can be paid as actual.

2.22 Terms of Payment

The payment will be made by CESL to the bidder in accordance with the terms and conditions specified in section 4 of special conditions of contract of tender document/agreed upon during negotiation and reproduced in Letter of Award.

2.23 Delivery Schedule

Time will be the essence of order and no variation shall be permitted in the delivery time/delivery schedule mentioned in the order unless agreed by CESL without levy of LD. Tentative time schedule is enclosed in the RfP/ bid document. Delivery of the equipment/material described shall be deemed to constitute acceptance of this order and terms and conditions by the bidder at the price specified.

2.24 Source of Supply

The bidder shall ensure that the indigenous capacity is utilized to the fullest extent possible in execution of this order. Where the imports are unavoidable, all such items shall be imported by the bidder in time against his own import license without affecting the contractual delivery schedule.

2.25 Patent Indemnity

Royalties and fees for patents covering material/equipment or processes used in executing the work shall be to the account of the bidder. The bidder shall satisfy all demands that may be made at any time for such royalties and fees and he alone shall be liable for damages, infringement and shall keep CESL indemnified in that regard in the event of any equipment/ material or part there of supplied by the bidder is involved in any suit or other proceedings held to constitute infringement and its used is enjoyed, the bidder shall, at his own expenses, either procure for CESL the right to continue the use of such equipment/material replace it with a non-infringing material / equipment or modify it so it become non- infringing.

Tenderer shall agree to indemnify the CESL or/and hold it/them harmless from against all claims, liability, loss, damage or expense including counsel fees arising from or by reasons of an action or claimed trade mark patent or copyright infringement or any litigation based thereon with respect to any part of the quoted items and such obligation shall survive acceptance of and payment for the items.

2.26. Force Majeure

Bidder shall not be considered in default if delay in delivery occurs due to causes beyond his control such as acts of God, natural calamities, civil wars, strikes, fire, frost, floods, riot. Only those causes which have duration of more than 7 days shall be considered cause of force/ calendar majeure. A notification to this effect duly certified

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by local chamber of commerce/ statutory authorities shall be given by the bidder to CESL by registered/speed post letter. In the event of delay due to such causes, the delivery schedule will be extended for a length of time equal to the period of force majeure or at the option of CESL, the order may be cancelled. Such cancellation, would be without any liability whatsoever on the part of CESL. In the event of such cancellation, the bidder shall refund any amount advanced or paid to the bidder by CESL and deliver back any materials issued to him by the Purchaser and release facilities, if any provided by the Purchaser.

2.27 Limitation of Liability

Except in cases of criminal negligence or willful misconduct, the Implementing Partner shall not be liable to the CESL, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Implementing Partner to pay liquidated damages to the CESL and the aggregate liability of the Implementing Partner to the CESL, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to any obligation of the Implementing Partner to indemnify the CESL with respect to patent infringement or as specified in SCC.

2.28 Statutory Compliance/ Certification regarding Cyber Security Products

A certificate (in the format at Attachment-13 of Section-6) is to be submitted by the bidders that the items offered meet the definition of domestically manufactured/produced Cyber Security Products as per MeitY notification vide File no. 1(10)/2017-CLES dt. 02.07.18. The above certificate shall be on Company's letterhead and signed by Statutory Auditor or Cost Auditor of the Company

C. Submission of Bids

3.1 Sealing and Marking of Bids

The Bidder shall seal the original copy of the bid in envelope duly marking the envelopes as "ORIGINAL BID". All envelopes must be super-scribed with name of work, RfP No., envelope no., content of envelope and date and bid opening date. The envelopes shall then be sealed in an outer envelope which should also be super scribed with name of work, RfP/ bid document no./package no. and date and bid opening date.

3.2 Deadline for submission of bids

Bids must be received by the CESL at the address specified as under and the bids will be opened at the same address as per timings stated in IFB and as repeated below.

Deepak Mittal (Supply Chain Management),
Convergence Energy Efficiency Limited,
C/o Floor 4th, Core 5
Scope Complex, Lodhi Road,
New Delhi-110003
Email: dmittal@eesl.co.in

Date of submission of bids: As mentioned in Section I

Date of bid opening: As mentioned in Section I

Bids must be received at the address specified above but no later than the time and date stated as above. In the event of the specified date for submission of bids being declared a holiday for the CESL, the bids will be received up to the appointed time on the next working day.

The CESL may, at its discretion, extend this deadline for submission of bids by amending the bidding documents in accordance with ITB Sub-Clause 1.3, in which case all rights and obligations of CESL and bidders will thereafter be subject to the deadline as extended.

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No bid may be withdrawn in the interval between the bid submission deadline and the expiration of the bid validity period specified in ITB Clause 2.10. Withdrawal of a bid during this interval may result in the bidder's forfeiture of its bid security, pursuant to ITB Sub-Clause 2.4.

3.3 Late Bids:

Any bid received by the CESL after the bid submission deadline prescribed by the CESL, pursuant to ITB Clause 3.1& 3.2, will be rejected and returned in unopened condition.

D. Bid Opening and Evaluation

4.1 Bid Opening Process

The CESL will open all bids in the presence of bidders' representatives who choose to attend the opening at the time, on the date and at the place specified in the NIT. Bidders' representatives shall sign a format as proof of their attendance. In the event of the specified date for the opening of bids being declared a holiday for the CESL, the bids will be opened at the appointed time on the next working day.

Bidders' names, bid prices, discounts, the presence or absence of requisite bid security and other such details as the CESL, at its discretion, may consider appropriate, will be announced at the opening. Late bids pursuant to ITB clause 3.2, and/or bids not accompanied by the "Certificate regarding acceptance of important conditions" as per Attachment-4 in a separate sealed envelope pursuant to ITB sub-clause 2.6, and/or bids not accompanied by requisite bid security in a separate sealed envelope pursuant to ITB clause 2.4, will be rejected and returned unopened to the bidder.

Bids that are not opened and read out at bid opening will not be considered for further evaluation, regardless of the circumstances.

The CESL will prepare minutes of the bid opening.

4.2 Clarification on Bids

During bid evaluation, the CESL may, at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the price or substance of the bid shall be sought, offered or permitted. The address for communication will be same as ITB clause 1.2.

4.3 Preliminary Examination of Bids.

The CESL will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

4.4. Arithmetical errors rectification process

Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between sub totals and the total price, the unit or subtotal price shall prevail, and the total price shall be corrected. If there is a discrepancy between words and figures, the amount in words will prevail. If the Bidder does not accept the correction of errors, its bid will be rejected and the bid security will be forfeited in accordance with ITB Sub-Clause 2.4.

The CESL may waive any minor informality, nonconformity or irregularity in a bid that does not constitute a material deviation, whether or not identified by the bidder in Attachment 4 to its bid, and that does not prejudice or affect the relative ranking of any bidder as a result of the technical and commercial evaluation, pursuant to ITB clauses 4.7 and 4.8.

4.5. Preliminary Evaluation

Prior to the detailed evaluation, the CESL will determine whether each bid is of acceptable quality, is generally complete and is substantially responsive to the bidding documents. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the bidding

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documents without material deviations, objections, conditionality's or reservations. A material deviation, objection, conditionality or reservation is one (i) that affects in any substantial way the scope, quality or performance of the contract; (ii) that limits in any substantial way, inconsistent with the bidding documents, the CESL's rights or the successful bidder's obligations under the contract; or (iii) whose rectification would unfairly affect the competitive position of other bidders who are presenting substantially responsive bids.

4.6. Acceptance of Important Condition

No deviation, whatsoever, is permitted by the CESL to the provisions relating to the following clauses (Important Conditions). Party is to submit the following as attachment 4 in envelope 1:

Governing Laws	-	Clause 7 of ITB
Settlement of Disputes	-	Clause 17 of ITB
Terms of payment	-	Clause 1.0 of SCC
Performance Security	-	Clause 5.9 of ITB
Taxes and Duties	-	Clause 8 of ITB
Completion Time Guarantee	-	Clause 9 of ITB
Defects Liability	-	Clause 10 of ITB
Functional Guarantee	-	Clause 11 of ITB
Patent Indemnity	-	Clause 2.25 of ITB
Limitations of Liability	-	Clause 2.27 of ITB
Statutory Compliance/ Certification regarding Cyber Security Products	-	Clause 2.28 of ITB
Project information, Estimation, Assumptions and conditions for Evaluation	-	As per Tables in price bid

Bidders are required to furnish a certificate as per Attachment 4, indicating their compliance to the provisions of the above clauses in a separate sealed envelope. In case the certificate as per Attachment-4 duly signed and stamped by the bidder, is not furnished along with the bid in a separate sealed envelope, the bid shall be rejected and returned to the bidder without being opened

At the time of award of contract, if so desired by the CESL the bidder shall withdraw the deviations listed in attachment 5 at the cost of withdrawal stated by him, in his bid. In case the bidder does not withdraw the deviations proposed by him in attachment 5 to his bid, if any; at the cost of withdrawal stated in his bid, his bid will be rejected and security will be forfeited.

The CESL's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence. If a bid is not substantially responsive, it will be rejected by the CESL, and may not subsequently be made responsive by the bidder by correction of the nonconformity.

4.7. Technical Evaluation

The CESL will carry out a detailed evaluation of the bids previously determined to be substantially responsive in order to determine whether the technical aspects are in accordance with the requirements set forth in the bidding

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documents. In order to reach such a determination, the CESL will examine and compare the technical aspects of the bids on the basis of the information supplied by the bidders, taking into account the following factors:

- a) Overall completeness and compliance with the technical specifications and drawings; deviations from the technical specifications as identified in Attachment 5 to the bid; suitability of the facilities offered in relation to the environmental and climatic conditions prevailing at the site; and quality, function and operation of any process control concept included in the bid. The bid that does not meet minimum acceptable standards of completeness, consistency and detail will be rejected for non- responsiveness.
- b) Achievement of specified performance criteria by the facilities as per scope of work
- c) Type, quantity and long-term availability warranty spare parts and also mandatory and recommended spare parts and maintenance services
- d) Any other relevant factors, if any, listed in the tender document, or that the CESL deems necessary or prudent to take into consideration.

4.8. Commercial Evaluation

The comparison shall be of the FOR site price of domestically manufactured plant and equipment including type test charges, if any and mandatory spares, warranty spares plus applicable sales tax & duties as well duties and taxes paid/payable on components and raw materials incorporated or to be incorporated in the plant and equipment including mandatory spares/warranty spares plus the cost of loading, unloading, local transportation, insurance covers, installation and commissioning, civil work other services required under the contract including service tax and surcharge, if any plus any survey cost, monitoring and verification cost, distribution cost, scrap disposal cost, annual maintenance cost, any services as per scope of work, administrative charges and statutory agencies cost including service tax and surcharge, if any. The CESL's comparison will also include the costs resulting from application of the evaluation procedures described in ITB sub-clause 4.9. However, the price of recommended spare parts or optional spares or services, if asked in the bid, shall not be considered for evaluation of bids.

The CESL's evaluation of a bid will take into account, in addition to the bid prices indicated in price schedules in section 4 along with the corrections pursuant to ITB sub-clause 4.3, the following costs and factors that will be added to each bidder's bid price in the evaluation using pricing information available to the CESL, in the manner and to the extent indicated in ITB sub-clause 4.9 and in the technical specifications:

- a) The cost of all quantifiable deviations and omissions from the contractual and commercial conditions and the technical specifications as identified in Attachment 5 to the Bid.
- b) Compliance with the time schedule called for and evidenced as needed in a milestone schedule provided in the bid.
- c) The functional guarantees of the facilities offered as per scope of work.
- d) The extra cost of work, services, facilities etc, required to be provided by the CESL of third parties.

4.9. Evaluations of Deviations:

Pursuant to ITB Sub-Clause 4.8, the following evaluation methods will be followed:

- a) Technical and Commercial Deviations

The evaluation shall be based on the evaluated cost of fulfilling the contract in compliance with all commercial, contractual and technical obligations under this bidding document. In arriving at the evaluated cost, the price for withdrawal of deviations shown in Attachment 5 to the bid will be used if necessary. If such a price is not given in Attachment-5, the CESL will make its own assessment of the cost of such a deviation for the purpose of ensuring fair comparison of bids.

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b) Time schedule (program of performance)

The plant and equipment covered by this bidding are required to be transported/ shipped and installed, and the facilities are to be completed within the period as mentioned below.

Completion of all facilities/work: As per year/months in SSC.

The above date will be the effective date specified in the contract agreement. Bidders are required to base their prices on the time schedule or, where no time schedule is given, on the completion date(s) given above. No credit will be given for earlier completion.

The master network and the key milestone dates will be discussed with the successful bidder and agreed upon in pre-award discussion before issuance of Letter of Award. Engineering drawing and data submission schedule shall also be discussed and finalized before the issuance of Letter of Award.

After the Letter of Award, the contractor shall plan the sequence of work manufacture, supply, installation to meet the above stated dates of successful completion of facilities and shall ensure all work, manufacture, shop testing, inspection and shipment of the equipment in accordance with the required sequence.

c) Functional Guarantees of the facilities

Bidders shall state the functional guarantees (e.g. performance, efficiency, consumption) of the proposed facilities in response to the technical specifications. In case a minimum (or a maximum, as the case may be) level of functional guarantees is specified in the technical specifications for the bids to be considered responsive, bids offering plant and equipment with such functional guarantees less (or more) than the minimum (or maximum) specified shall be rejected.

d) Work, services, facilities etc., to be provided by the CESL

Where bids include the undertaking of work or the provision of services or facilities by the CESL in excess of the provisions allowed for in the bidding documents, the CESL shall assess the costs of such additional work, services and/or facilities during the duration of the contract. Such costs shall be added to the bid price for evaluation.

4.10. Illustrative Method of Evaluation

		Any Bidder (INR)
1.	Quoted bid price without taxes and duties (After considering arithmetical errors)	
i)	Ex works including Excise duty price including Type test Charges/Lab Test charges + inland transportation including inland Transit insurance etc. For equipment and spares	N1
ii)	Prices for dismantling and/or installation	N2
iii)	Prices for additional Warranty, if any	N3
iv)	Total Price	N(N1+N2+N3)
2.	Taxes and Duties	
i)	CST/VAT	T1
ii)	Service Tax	T2
iii)	Total	T(T1+T2)
3.	Cost Compensation	
i)	Technical Cost Compensation	TCC
ii)	Commercial Cost Compensation	CCC

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iii) Total

TCC+CCC

4. Adjustments for Functional Guarantees

X

5. Final Evaluated Bid Price

N+T+TCC+CCC+X

4.11. Contacting the Employer

Subject to ITB Clause 20, no Bidder shall contact the Employer on any matter relating to its bid, from the time of the opening of bids to the time the contract is awarded.

Information relating to the examination, evaluation and comparison of bids and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful bidder has been announced. Any effort by a Bidder to influence the Employer in the Employer's bid evaluation, bid comparison or contract award decisions may result in rejection of the Bidder's bid.

E. Award of Contract

5.1. Post qualification

In the absence of pre-qualification, the CESL will determine to its satisfaction whether the bidder selected as having submitted the lowest evaluated responsive bid/or bidder giving highest return to CESL, as the case may be, as mentioned in special condition of contract is qualified to satisfactorily perform the contract in terms of the qualifying requirements stipulated in IFB/NIT and section 3.

The determination will take into account the bidder's financial, technical and production capabilities, in particular its contract, work in hand, future commitments and current litigation. It will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder in RfP forms in section IV to the bid, as well as such other information as the CESL deems necessary and appropriate.

An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder's bid, in which event the CESL will proceed to the next lowest evaluated bid/next bid giving highest return to CESL to make a similar determination of that bidder's capabilities to perform satisfactorily.

The capabilities of the vendors and subcontractors proposed in section 3, if permitted, to the bid to be used by the lowest evaluated bidder or bidder giving highest return to CESL as per SCC will also be evaluated for acceptability. Their participation should be confirmed with a letter of intent between the parties, as needed. Should a vendor or subcontractor be determined to be unacceptable, the bid will not be rejected, but the Bidder will be required to substitute an acceptable vendor or subcontractor without any change to the bid price.

The Employer reserves the right to assess the capacity and capability of the bidder/ his collaborator to satisfactory execute the contract. Such assessment shall include but not be limited to the evaluation of adequacy of facilities, services, resources, design / engineering capability and financial capability

5.2. Award criteria

Subject to ITB Clause 5.5, the CESL will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and to be the lowest evaluated technically acceptable bid or bid offering highest return to CESL as the case may be as per tender documents and special conditions of contract, further provided that the Bidder is determined to be qualified to perform the contract satisfactorily.

Except for the deviations listed in Attachment-5, the bidder would be required to comply with all the requirements of bidding documents without any extra cost to CESL failing which his bid security will be forfeited. Further, the CESL may request the bidder to withdraw any or all of the deviations listed in Attachment – 5 to the winning bid, at the price shown for the deviation in Attachment 5 to the bid. In case the bidder does not withdraw the deviations proposed by him, if any, at the cost of withdrawal stated in the bid, his bid will be rejected and bid security forfeited.

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The mode of contracting with the Successful Bidder will be as per stipulation briefly indicated below:

- (i) First Contract: For supply of plant and equipment.
- (ii) Second Contract: For providing all services i.e. inland transportation for delivery at site, inland transit insurance, unloading, storage, handling at site, installation (including civil. Structural steel work & allied work, if applicable) insurance covers other than inland transit insurance, erection, testing & commissioning, conducting Guarantee tests in respect of all the Goods supplied under the 'First Contract' and all other
- (iii) Services as specified in the Contract Documents.

The above Contracts will contain a cross-fall breach clause specifying that breach of one Contract will constitute breach of the other Contract which will confer a right on the Employer to terminate the other Contract also at the risk and the cost of the Contractor

5.3. Quantity Variation

The CESL reserves the right to vary the quantity of any of the spares and maintenance equipment upto +/- 20% and/or delete any items of spares altogether at the time of Award of Contract. Successful bidder, on whom award is made, is to supply this quantity variation at same price and terms and conditions of contract.

5.4. Additions / Alterations / Modifications

CESL reserves the right to make minor additions/alterations/modifications to the quantity of the items to the extent of +/- 20% in the Letter of Award. The bidder shall supply such quantities also at the same rate as originally agreed to and incorporated in the Letter of Award. However CESL may increase this quantity, if required.

5.5. CESL's right to accept any bid and to reject any or all bids

The CESL reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of contract, without thereby assigning any reason thereof and incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the CESL's action.

5.6. Letter of Intent / Letter of Award

Prior to the expiration of the period of bid validity, the CESL will notify the successful bidder in writing by issuing Letter of Intent or Letter of Award either through telefax/ scanned e-mail or through registered/speed post/couriered letter, that its bid has been accepted. The letter of award will constitute the formation of the contract. In case, bidder does not return the duplicate copy of LOA with duly signed and acceptance within 10 days, then the LOA will be deemed to be accepted by the successful bidder, on whom award is made.

The bidder shall return duplicate copy of the LoI/LoA/contract and the other enclosed documents duly signed as a token of acceptance, within 15 days from the date of receipt of this order. Bidder is to make two original copies of contract containing Contract agreement at top, and then Letter of award, techno commercial offer, copy of price bid and copy of all tender documents are to be placed. Three more copies of the contract to be submitted by the bidder in addition to two original at bidder's own cost. Total five copies of contract including two originals copies are to be submitted. This is to be done on instructions of Contract deptt.

Upon the successful bidder's furnishing of the performance security pursuant to ITB Clause 5.9, the CESL will promptly notify each unsuccessful bidder and will discharge its bid security.

5.7. Cancellation

CESL reserves the rights to cancel the order in the part or in full by giving one week advance notice thereby if-

- The bidder fails to comply with any of the terms of the order.

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- The bidder becomes bankrupt or goes in to liquidation.
- The bidder makes general assignment for the benefit of the creditors and any receiver is appointed for the property owned by the bidder.

5.8. Modifications

This order constitutes an entire agreement between the parties hereto. Any modifications to this Order shall become binding only upon the same being confirmed in writing duly signed by both the parties.

Signing the Contract Agreement

At the same time as the CESL notifies the successful Bidder that its bid has been accepted, the CESL will send the bidder the contract agreement provided in the bidding documents, incorporating all agreements between the parties.

Within twenty-one (21) days of receipt of the contract agreement, the successful bidder shall sign and date the contract agreement and return it to the CESL. Contract agreement will contain agreement on stamp paper, bid documents and bidder's offer etc.

5.9. Performance security

Within twenty-eight (28) days after receipt of the letter of award, the successful bidder shall furnish the performance security for ten percent (10%) of the contract price or as specified in tender documents and in the form provided in the section "Forms and Procedures" of the bidding documents or in another form acceptable to the CESL.

In case Joint Deed(s) of Undertaking by the Contractor along with his associate(s)/collaborator(s) form part of the Contract, then, unconditional Bank Guarantee(s) from such associate(s)/collaborator(s) for amount(s) specified in Bid

Failure of the successful Bidder to comply with the requirements of ITB Clause 5.7 or Clause 5.8 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the CESL may make the award to the next lowest evaluated bidder or call for new bids.

5.10. Corrupt or Fraudulent practices:

The CESL requires that bidders observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the CESL defines, for the purposes of this provision, the terms set forth below as follows:

- a. i) "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
- ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the CESL, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the CESL of the benefits of free and open competition;
- b) will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
- c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a contract of the CESL.

5.11 Ineligibility for Future Tenders

Notwithstanding the provisions specified in ITB sub clause 2.4 and ITB sub clause 5.7 and 5.8, if a bidder after having been issued and letter of award, either does not sign the contract agreement pursuant to ITB clause 5.7 or

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does not submit an acceptable performance security pursuant to ITB clause 5.9, such bidder may be considered ineligible for participating in future tenders of CESL for a period as may be decided by the CESL.

Successful bidder is to submit interchangeability certificate for its product supplied for replacement during warranty and maintenance period and even when it is purchased from open market. In case due to change in technology, the supplied product is not available during warranty/ maintenance period than the improved version of product can be used in warranty/ maintenance period with same or improved technical parameters or the combination thereof after written communication of Engineer in Charge at same cost& terms and conditions. Successful Bidder, on whom letter of award has been placed, has also to confirm that the prices of improved version of product is not lesser than the original product or its parts in comparison.

Note: Special Terms and Conditions will prevail upon the instruction to Bidders.

6.0 Liquidated Damages

In case of any delay in the execution of the order beyond the stipulated time schedule including any extension permitted in writing, CESL reserves the right to recover from the bidder a sum equivalent to 0.5% of the value of the delayed equipment installation/unexecuted portion of work for each week of delay and part thereof subject to a maximum of 5% of the total value of the contract.

Alternatively, CESL reserves the right to purchase and distribute equipment/ material from elsewhere at the sole risk at the cost of successful bidder/contractor and recover all such extra cost incurred by CESL in procuring the material from resources available including EMD/Bid Security/encashment of Bank Guarantee or any other sources etc. Further, if any extra cost is incurred by CESL due to delay in work completion by the party beyond the completion time as per P.O./L.O.A., the same shall also be recovered from party's invoice/EMD/BGs etc.

Alternatively, CESL may cancel the order completely or partly without prejudice to his right under the alternatives mentioned above.

7.0 Governing Law

The Contract shall be governed by and interpreted in accordance with laws in force in India. The Courts of Delhi shall have exclusive jurisdiction in all matters arising under the Contract.

8.0 Tax and Duties

- 8.1 Except as otherwise specifically provided in the Contract, the Implementing Partner shall bear and pay all taxes, duties, levies and charges assessed on the Implementing Partner, its Sub Implementing Partners or their employees by all municipal, state or national government authorities in connection with the Facilities in and outside of the country where the Site is located.
- 8.2 Notwithstanding above Sub-Clause 8.1 above, the CESL shall bear and promptly reimburse all customs and import duties, if imposed in future, on the Plant and Equipment including Type Test and mandatory spares supplied from abroad and specified in Price Schedule (and on spare parts to be supplied from abroad and specified in Schedule, when awarded) and that are to be incorporated into the Facilities, by the law of the country where the Site is located. However, if the plant and equipment are shipped in Shipper's containers, then the custom duty levied on the cost of empty containers shall be borne and paid/ reimbursed by the Implementing Partner. The CESL shall also bear and pay/ reimburse to the Implementing Partner/Assignee of Foreign Implementing Partner (if applicable) Sales Tax (but not the surcharge in lieu of Sales Tax), Local Tax including Entry Tax / Octroi (if applicable) in respect of direct transactions between the CESL and the Implementing Partner, if imposed on the Plant and Equipment including Type Test and Mandatory Spares manufactured within the CESL's country and specified in Price (and also on locally supplied spares quoted when awarded) to be incorporated in the Facilities, by the law of country where the site is located. For this purpose, the Ex-works price if quoted in foreign currency and so incorporated in the contract, shall be converted to Indian Rupees as per the TT buying exchange rates established by State Bank of India prevailing on the actual date of Ex-works (India) dispatch.

All taxes, duties and levies on works contract, if any, shall be to the Implementing Partner's account and no separate claim in this regard will be entertained by the CESL.

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- 8.3 If any tax exemptions, reductions, allowances or privileges is available to the Implementing Partner in the country where the Site is located, the CESL shall use its best endeavors to enable the Implementing Partner to benefit from any such tax savings to the maximum allowable extent.
- 8.4 For the purpose of the Contract, it is agreed that the Contract Price specified in Contract Price and Terms of Payment of the Contract Agreement is based on the taxes, duties, levies and charges prevailing at the date seven (7) days prior to the last date of bid submission in the country where the Site is located (hereinafter called "Tax" in this Sub-Clause 8.4). If any rates of Tax are increased or de-creased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of Contract, which was or will be assessed on the Implementing Partner in connection with performance of the Contract, an equitable adjustment of the Contract Price shall be made to fully take into account any such change by addition to the Contract Price or deduction there-from. However, these adjustments would be restricted to direct transactions between the CESL and the Contractor/assignee of Foreign Implementing Partner (if applicable). These adjustments shall not be applicable on procurement of raw materials, intermediary components etc. by the Implementing Partner/assignee and also not applicable on the bought out items dispatched directly from sub-vendor's works to site.

9.0 Completion Time Guarantee:

If the Successful bidder, on whom award is made/Implementing Partner/Consultant fails to attain Completion of the Facilities or any part thereof within the Time for Completion or any extension thereof under ITB Clause 2.23, the Successful bidder, on whom award is made/Implementing Partner/Consultant shall pay to the CESL liquidated damages in the amount computed at the rates specified in the SCC. The aggregate amount of such liquidated damages shall in no event exceed the amount specified as "Maximum" in the SCC. Once the "Maximum" is reached, the CESL may consider termination of the Contract.

Such payment shall completely satisfy the Successful bidder, on whom award is made/Implementing Partner/Consultant obligation to attain Completion of the Facilities or the relevant part thereof within the Time for Completion or any extension thereof under ITB Clause 2.23. The Implementing Partner shall have no further liability whatsoever to the CESL in respect thereof.

However, the payment of liquidated damages shall not in any way relieve the Successful bidder, on whom award is made/Implementing Partner/Consultant from any of its obligations to complete the Facilities or from any other obligations and liabilities of the Implementing Partner under the Contract.

10.0 Defect Liability

10.1 The Successful bidder, on whom award is made/Implementing Partner/Consultant warrants that the Facilities or any part thereof shall be free from defects in the design, engineering, materials and workmanship of the Plant and Equipment supplied and of the work executed, wherever applicable.

10.2 The Defect Liability Period shall be eighteen (18) months from the date of Completion of the Facilities (or any part thereof) or twelve (12) months from the date of Operational Acceptance of the Facilities (or any part thereof), whichever first occurs, unless specified otherwise in the SCC.

If during the Defect Liability Period any defect should be found in the design, engineering, materials and workmanship of the Plant and Equipment supplied or of the work executed by the Implementing Partner, the Implementing Partner shall promptly, in consultation and agreement with the CESL regarding appropriate remedying of the defects, and at its cost, repair, replace or otherwise make good (as the Implementing Partner shall, at its discretion, determine) such defect as well as any damage to the Facilities caused by such defect. The Implementing Partner shall not be responsible for the repair, replacement or making good of any defector of any damage to the Facilities arising out of or resulting from any of the following causes:

- improper operation or maintenance of the Facilities by the CESL
- operation of the Facilities outside specifications provided in the Contract.

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- Normal wear and tear.

10.3 The CESL shall give the Successful bidder, on whom award is made/Implementing Partner a notice stating the nature of any such defect together with all available evidence thereof, promptly following the discovery thereof. The CESL shall afford all reasonable opportunity for the Implementing Partner to inspect any such defect.

10.4 The CESL shall afford the Implementing Partner all necessary access to the Facilities and the Site to enable the Implementing Partner to perform its obligations.

The Implementing Partner may, with the consent of the CESL, remove from the Site any Plant and Equipment or any part of the Facilities that are defective if the nature of the defect, and/or any damage to the Facilities caused by the defect, is such that repairs cannot be expeditiously carried out at the Site.

10.5 If the repair, replacement or making good is of such a character that it may affect the efficiency of the Facilities or any part thereof, the CESL may give to the Implementing Partner a notice requiring that tests of the defective part of the Facilities shall be made by the Implementing Partner immediately upon completion of such remedial work, whereupon the Implementing Partner shall carry out such tests.

If such part fails the tests, the Implementing Partner shall carry out further repair, replacement or making good (as the case may be) until that part of the Facilities passes such tests. The tests in character shall in any case be not less than what has already been agreed by the CESL and the Implementing Partner for the original equipment/part of the Facilities.

10.6 If the Implementing Partner fails to commence the work necessary to remedy such defect or any damage to the Facilities caused by such defect within a reasonable time (which shall in no event be considered to be less than fifteen (15) days), the CESL may, following notice to the Implementing Partner, proceed to do such work, and the reasonable costs incurred by the CESL in connection therewith shall be paid to the CESL by the Implementing Partner or may be deducted by the CESL from any monies due to the Implementing Partner or claimed under the Performance Security.

10.7 If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the CESL because of any of the aforesaid reasons. Upon correction of the defects in the Facilities or any part thereof by repair/replacement, such repair/replacement shall have the Defect Liability Period extended by a period of twelve (12) month from the time such replacement/ repair of the Facilities or any part thereof.

10.8 In addition, the Implementing Partner shall also provide an extended warranty for any such component of the Facilities and during the period of time as may be specified in the SCC. Such obligation shall be in addition to the defect liability specified under ITB Clause 10.2 or as specified in SCC.

11.0 Functional Guarantees

11.1 The Implementing Partner guarantees that during the Guarantee Test, the Facilities and all parts thereof shall attain the Functional Guarantees as specified in the Contract Agreement, subject to and upon the conditions therein specified.

11.2 If, for reasons attributable to the Implementing Partner, the guaranteed level of the Functional Guarantees specified in the Contract Agreement are not met either in whole or in part, the Implementing Partner shall, within a mutually agreed time, at its cost and expense make such changes, modifications and/or additions to the Plant or any part thereof as may be necessary to meet such Guarantees. The Implementing Partner shall notify the CESL upon completion of the necessary changes, modifications and/or additions, and shall seek the CESL's consent to repeat the Guarantee Test. If the specified Functional Guarantees are not established even during the repeat of the Guarantee Test, the CESL may at its option, either

- Reject the Equipment and recover the payments already made, or
- Terminate the Contract and recover the payments already made, or
- Accept the equipment after levy of liquidated damages in accordance with the provisions specified in the Contract Agreement.

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12.0 Inspections and Tests

- 12.1. Inspection of Goods: The Employer or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Employer. (SCC and the Technical Specifications shall specify what inspections and tests the Employer requires and where they are to be conducted). The Employer shall notify the Contractor in writing in a timely manner of the identity of any representatives retained for these purposes.
- 12.2 The inspections and tests may be conducted on the premises of the Contractor or its subcontractor(s), at point of delivery and/or at the Goods final destination. If conducted on the premises of the Contractor or its subcontractor(s), all reasonable Works and assistance, including access to drawings and production data shall be furnished to the inspectors at no cost to the Employer.
- 12.3 Should any inspected or tested Goods fail to conform to the specifications, the Employer may reject and the Contractor shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Employer.
- 12.4 The Employer's right to inspect, test and, where necessary, reject the Goods after the arrival at Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Employer or its Representative prior to the Goods shipment.
- 12.5 Nothing in GCC Clause 6 shall in any way release the Contractor from any warranty or other obligations under this Contract.
- 12.5 Manuals and Drawings
- 12.6 Before the Goods and Services are taken over by the Employer, the Contractor shall supply operation and maintenance manuals together with drawings of the goods and equipment. These shall be in such detail as will enable the Employer to operate, maintain, adjust and repair all parts of the equipment as stated in the specifications.
- 12.7 The manuals and drawings shall be in the English ruling language and in such form and numbers as stated in the contract.
- 12.8 Unless and otherwise agreed, the goods and equipment shall not be considered to be completed for the purpose of taking over until such manuals and drawings have been supplied to the Employer.
- 12.9 It shall be the obligation of the Contractor to train and familiarize the designated person by the Employer in regard to the operation manual and drawings.

13.0 Insurance

The Goods supplied under the Contract shall be fully insured in Indian Rupees against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. For delivery of goods at site, the insurance shall be obtained by the Contractor, for an amount not less than the Contract Price of the goods from “warehouse to warehouse” (final destinations) on “All Risks” basis including War risks and strikes.

14.0 Transportation, Demurrage Wharfage, Etc.

Contractor is required under the Contract to transport the Goods to place of destination defined as Site. Transport to such place of destination in India including insurance, as shall be specified in the Contract, shall be arranged by the Contractor, and the related cost shall be included in the Contract Price.

Successful bidder, on whom letter of award is placed, is to ensure all safety guidelines, rules and regulations, labour laws etc. Successful bidder indemnify CESL for any accident, injury met by its labour, employee or any other person working for him. Any compensation sought by its labour, employee or any other person working for him shall be paid by successful bidder as per settlement solely. CESL has no role to play in this matter

15.0 Warranty

- 15.1 The Contractor warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Contractor further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Employer's Specifications) or from any act or omission of the Contractor, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

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- 15.2 This warranty of all the Works shall remain valid for 2 year after the Commissioning. The Contractor shall, in addition, comply with the performance and/or guarantees specified under the Contract. If for reasons attributable to the Contractor, these guarantees are not attained in whole or in part, the Contractor shall:
- 15.3 make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC Clause 2; OR
- 15.4 pay liquidated damages to the Employer with respect to the failure to meet the contractual guarantees.
- 15.5 The Employer shall notify the Contractor in writing of any claims arising under this warranty.
- 15.6 Upon receipt of such notice, the Contractor shall, within the period of 15 days and with all reasonable speed, repair or replace the defective Goods or parts thereof, free of cost at the ultimate destination. The Contractor shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the Employer for the replaced parts/goods thereafter. In the event of any correction of defects or replacement of defective material during the Warranty period, the Warranty for the corrected or replaced material shall be extended to a further period.
- 15.7 If the Contractor, having been notified, fails to remedy the defect(s) within 15 days, the Employer may proceed to take such remedial action as may be necessary, at the Contractor's risk and expense and without prejudice to any other rights which the Employer may have against the Contractor under the Contract. The performance guarantee and liquidated damaged be entitled to be recovered without prejudice to other rights of the Employer.

16.0. Termination for Default

- 16.1 The Employer may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Contractor, terminate the Contract in whole or part:
- 16.2 if the Contractor fails to deliver any or all of the Goods and complete the Work within the period(s) specified in the Contractor within any extension thereof granted by the Employer pursuant to GCC Clause 20; or
- 16.3 if the Contractor fails to perform any other obligation(s)/duties under the Contract.
- 16.4 If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- 16.5 In the event the Employer terminates the Contract in whole or in part, pursuant to GCC Clause 22.1, the Employer may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Contractor shall be liable to the Employer for any excess costs for such similar Goods or Services. However, the Contractor shall continue the performance of the Contract to the extent not terminated.

17.0. Settlement of Disputes

17.1 Adjudicator

- 17.1.1 If any dispute of any kind whatsoever shall arise between the CESL and the Implementing Partner in connection with or arising out of the Contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the Facilities—whether during the progress of the Facilities or after their completion and whether before or after the termination, abandonment or breach of the Contract—the parties shall seek to resolve any such dispute or difference by mutual consultation. If the parties fail to resolve such a dispute or difference by mutual consultation, then the dispute shall be referred in writing by either party to the Adjudicator, with a copy to the other party.
- 17.1.2 The Adjudicator shall give its decision in writing to both parties within twenty-eight (28) days of a dispute being referred to it. If the Adjudicator has done so, and no notice of intention to commence arbitration has been given by either the CESL or the Implementing Partner within fifty-six (56) days of

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such reference, the decision shall become final and binding upon the CESL and the Implementing Partner. Any decision that has become final and binding shall be implemented by the parties forthwith.

- 17.1.3 Should the Adjudicator resign or die, or should the CESL and the Implementing Partner agree that the Adjudicator is not fulfilling its functions in accordance with the provisions of the Contract; another retired Judge of High Court/Supreme Court of India shall be jointly appointed by the CESL and the Implementing Partner as adjudicator under the Contract. Failing agreement between the two within twenty eight (28) days, the new retired judge of High Court/Supreme Court of India shall be appointed as the Adjudicator under the Contract at the request of either party by the Appointing Authority specified in the SCC. The adjudicator shall be paid fee plus reasonable expenditures incurred in the execution of its duties as adjudicator under the contract. This cost shall be divided equally between the CESL and the Implementing Partner.

17.2 Arbitration

- 17.2.1 If either the CESL or the Implementing Partner is dissatisfied with the Adjudicator's decision, or if the Adjudicator fails to give a decision within twenty-eight (28) days of a dispute being referred to it, then either the CESL or the Implementing Partner may, within fifty-six (56) days of such reference, give notice to the other party, with a copy for information to the Adjudicator, of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.
- 17.2.2 Any dispute in respect of which a notice of intention to commence arbitration has been given, in accordance with Sub-Clause 17.2.1, shall be finally settled by arbitration. Arbitration may be commenced prior to or after completion of the Facilities.
- 17.2.3 Any dispute submitted by a party to arbitration shall be heard by an arbitration panel composed of three arbitrators, in accordance with the provisions set forth below.
- 17.2.4 The CESL and the Implementing Partner shall each appoint one arbitrator, and these two arbitrators shall jointly appoint a third arbitrator, who shall chair the arbitration panel. If the two arbitrators do not succeed in appointing a third arbitrator within twenty-eight (28) days after the latter of the two arbitrators has been appointed, the third arbitrator shall, at the request of either party, be appointed by the Appointing Authority for arbitrator designated in the SCC.
- 17.2.5 If one party fails to appoint its arbitrator within forty-two (42) days after the other party has named its arbitrator, the party which has named an arbitrator may request the Appointing Authority to appoint the second arbitrator.
- 17.2.6 If for any reason an arbitrator is unable to perform its function, the mandate of the Arbitrator shall terminate in accordance with the provisions of applicable laws as mentioned in ITB Clause 7 (Governing Law) and a substitute shall be appointed in the same manner as the original arbitrator.
- 17.2.7 Arbitration proceedings shall be conducted (i) in accordance with the rules of procedure designated in the SCC, (ii) in the place designated in the SCC, and (iii) in the language in which this Contract has been executed.
- 17.2.8 The decision of a majority of the arbitrators (or of the third arbitrator chairing the arbitration, if there is no such majority) shall be final and binding and shall be enforceable in any court of competent jurisdiction as decree of the court. The parties thereby waive any objections to or claims of immunity from such enforcement.
- 17.2.9 The arbitrator(s) shall give reasoned award.
- 17.3 Notwithstanding any reference to the Adjudicator or arbitration herein,
- the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree

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- the CESL shall pay the Implementing Partner any monies due to the Implementing Partner.

18.0 MSME Bidder

Are you registered as MICRO, SMALL or MEDIUM Enterprise under MSMED Act 2006?

If YES,

A) Please indicate relevant category with copy of documentary proof issued by the concerned authorities:

B) Does your firm fall under MSE's owned by SC/ST Entrepreneurs. If so, enclose a copy of documentary evidence:

IN ADDITION TO ABOVE FOLLOWING WILL ALSO BE APPLICABLE FOR CONSULTANCY/PROJECT MANAGEMENT CONTRACT SERVICES.

19.0 THIRD-PARTY CONSULTANCY SERVICES

The Employer (CESL) is obliged, at its own expense, to make the necessary provision for the performance of those services by third parties commissioned by it, as described in Special Conditions of Contract

20.0 SCOPE OF SERVICES

- 20.1 The Consultant shall deliver the Services in full and on time.
- 20.2 The Services to be performed by the Consultant encompass all the part services described and explained in Special Conditions of Contract, Terms of Reference plus Tender Documents and The Consultant's bid. Furthermore, the Consultant must deliver all the standard and special services as defined intender RfP.
- 20.3 The Consultant shall work together with third parties wherever commissioned by the Employer. The Employer is not responsible for these third parties or their performance, when the work is assigned to consultant to co-ordinate with them. In addition, the Consultant must comprehensively coordinate their services with its own services, as far as possible.

20.1 STANDARD AND SPECIAL SERVICES

- 20.1.1 In addition to the Services specified explicitly in the Contract, the Consultant shall also perform all other services, if necessary, that are not listed under the contractual services, but are customarily required in order to properly discharge the contractual obligations ("standard services"). The standard services shall be fully compensated through the Agreed Remuneration in the contract.
- 20.1.2 "Special Services" are services that are not included under the contractual or standard services, but must necessarily be delivered by the Consultant in order to properly perform its duties under the Contract, because the external circumstances of service delivery have changed unexpectedly, or because the Employer has suspended the Services *Force Majeure* or because the Employer, with the prior consent of CESL, requires services that were not included in the invitation to tender but are necessary. No extra cost is payable to fulfill the standard and / or special services.

20.2 DUE DILIGENCE

- 20.2.1 Except where otherwise stipulated in this Contract, or otherwise legally stipulated within the country or within another legal system (including the legal system in the Consultant's jurisdiction) by provisions that impose higher demands than this Contract, when performing its obligations under this Contract the Consultant shall exercise due diligence and provide the Services in compliance with professional practice and to the recognized quality standards, in accordance with current scientific and generally accepted engineering standards. The Consultant must document its work, the progress of the Project and the decisions it takes in an appropriate form that is acceptable to the Employer, bearing in mind the requirements of tender/RfP/Letter of Award.

20.3 REPORTING

- 20.3.1 The Consultant shall inform the Employer promptly of all extraordinary circumstances that arise *during the performance of the services and of all matters* requiring CESL approval. The consultant is to make reports as defined in scope of work and submit the same as per timelines defined in the contract.

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- 20.4 STAFFING
- 20.4.1 The Consultant shall employ the staff specified in bid [Staffing Schedule] to implement performance of the Services. The list of designated key staff and any changes to it shall require the prior written approval of the Employer.
- 20.4.2 The Employer may require the Consultant to terminate the contract of, or replace, any staff member who fails to meet the requirements as per contract. Any such demand must be submitted in writing to the Consultant stating the reasons for it.
- 20.4.3 If staff employed by the Consultant need to be replaced, the Consultant shall ensure that the staff member in question is replaced promptly by an individual who possesses at least equivalent qualifications.
- 20.4.4 If any one of the Consultant's staff falls ill for more than one month and this jeopardizes the performance of this Contract by the Consultant, the Consultant shall replace this staff member with another staff member who possesses at least equivalent qualifications.
- 20.4.5 Staff shall only be replaced after prior approval by the Employer, such approval not to be unreasonably withheld. The exchange, replacement, or planned dispensation of replacement (as exception to existing rules) of key staff specified by name shall require the prior approval of CESL.
- 20.4.6 If the Consultant must terminate the contract of, or replace, any staff during the Contract period, the costs thus accrued shall be borne by the Consultant, except where staff are removed or replaced at the Employer's request. In this case, the Employer shall meet the costs of replacing the staff member, unless the staff member in question does not meet the requirements.
- 20.5 CONTACT PERSON OF THE CONSULTANT
- 20.5.1 The Consultant shall appoint for the exercise of all rights and obligations arising from this Contract a natural person as its contact person for the Employer under this Contract.
- 20.5.2 The Consultant shall specify and provide respective contact data to the Employer - for an individual at the Consultant's place of business who can be reached at any time in cases of emergency or crisis as well as a deputy of the Consultant. The Consultant shall notify the Employer without delay of any change of elected person or their contact data.

21.0 INDEPENDENCE OF THE CONSULTANT

- 21.1 The Consultant undertakes that neither the Consultant nor any enterprise associated with the Consultant shall bid for the Project as manufacturer, supplier, or building contractor. This prohibition also applies to any bidding for any further consulting services, insofar as such consulting services might lead to a restriction of competition or a conflict of interests. Any violation of this stipulation may lead to the immediate cancellation of this Contract and require the reimbursement of any and all costs incurred by the Employer up to the time of such violation as well as compensation for any and all losses and damages incurred by the Employer as a result of such cancellation.

22.0 COMMENCEMENT AND COMPLETION

- 22.1.1 The Consultant shall begin performing the Services on the prescribed date on which execution of the Contract shall take place, but not earlier than and without undue delay after the Contract has come into force. The Consultant shall deliver the Services in accordance with the time schedule in the bid [Time Schedule for the Performance of the Services defined in SCC], and shall complete the Services within the Completion Period, subject to any further extensions to this Contract accorded by employer.
- 22.1.2 In relation to optional services (if any), the Consultant shall commence delivery of the optional services not earlier than upon receipt of notification from the Employer,
- 22.1.3 Any change to the time schedule [*Time Schedule for the Performance of the Services*] due to a reasonable request by either party shall be mutually agreed upon in writing.

23.0 FORCE MAJEURE

In addition to Force Majeure defined in clause 2.26, following will also be applicable for consultancy work.

- 23.1 In the event of Force Majeure, the contractual obligations, as far as affected by such event, shall be suspended for as long as performance remains impossible due to the Force Majeure, provided that one party to the Contract receives notification of the Force Majeure event from the other party within two weeks after its

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occurrence and both the parties agree for that to be a force majeure. Any and all liability of the Consultant for damages arising due to its absence caused by the Force Majeure is excluded.

23.2 In the event of Force Majeure, the Consultant shall be entitled to an extension of the Contract equal to the delay caused by such Force Majeure. If the performance of the Services is rendered permanently impossible by the Force Majeure, both parties to this Contract shall be entitled to terminate the Contract on mutual agreement basis only.

23.3 In case of suspension or termination of the Contract due to Force Majeure, the Services performed up to the time of the Force Majeure and all necessary expenditure (which is evidenced) of the Consultant arising from the discontinuing of the Services shall be invoiced on the basis of contractual prices subject to employer agreement with the work. Neither party shall make any further claims.

24.0 SUSPENSIONS OR TERMINATION

24.1 The Employer may fully or partially suspend the Services or terminate this Contract after serving written notice of at least 30 days. In this event, the Consultant must immediately take all measures necessary to ensure that the Services are discontinued and the expenditure minimized. The Consultant shall hand over all reports, drafts and documents to be drawn up by the date in question to the Employer. In case of termination Force majeure shall apply mutatis mutandis.

24.2 If the Consultant fails to meet its contractual obligations without sufficient reason; in accordance with the Contract; or on time, the Employer may serve a notice upon the Consultant and request it to duly perform its Services. If the Consultant fails to remedy the performance deficit within a period of 21 days of having been called upon to do so by the Employer, the Employer shall be entitled, after this period has elapsed, to terminate the Contract by written notice.

24.3 If the termination of the Contract is due to a default on the part of the Consultant, the Consultant shall be entitled to demand the Agreed Remuneration for the Services performed until the date of termination but not yet remunerated. The Employer shall be entitled to demand compensation for the direct damages caused by the default.

25.0 REMUNERATION OF THE CONSULTANT

The Consultant shall receive the remuneration agreed in the Special Conditions and bid price schedule for performing the Services owed under this Contract, subject to the conditions listed therein and the conditions below.

26.0 TERMS OF PAYMENT

Except where otherwise agreed in the Special Conditions, the Employer shall pay the Consultant's remuneration as follows:

- (a) Advance payment, due within 30 days of award of Contract upon presentation of an invoice against equivalent advance bank guarantee, if mentioned in SCC.
- (b) Payments based on deliverables as per tender/SCC or as agreed upon in amendments.
- (c) The final payment shall be made after the Services have been performed in full and confirmation had been provided by the Employer to that Consultant.

27.0 METHOD OF PAYMENT

Payment shall be made according to the conditions set out in the Special Conditions or as agreed upon.

28.0 INSURANCE AGAINST LIABILITY AND DAMAGES

The Consultant is advised to take out insurance for the period of the Contract, on the terms specified in the Special Conditions, including, but not limited to, the following:

- a) Professional liability insurance;
- b) Personal liability insurance;
- c) Equipment insurance covering loss of or physical damage to all equipment acquired, used, provided or paid for by the Employer within the context of this Contract; and
- d) Motor vehicle third party liability insurance and motor vehicle comprehensive insurance for the vehicles acquired in connection with this Contract.

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CESL will not be responsible in case any accident/ mis-happenings with consultant employee or contract person and for any equipment damage or theft occurs and in no case CESL shall pay for it.

In case of any contradiction in ITB and SCC, then SCC will prevail.

LIST OF ACRONYMS

EMD: Earnest Money Deposit
EoI: Expression of Interest
SCC: Special Conditions of Contract
INR: Indian Rupees
IST: Indian Standard Time
LED: Light Emitting Diodes
LoI: Letter of Intent
LoA: Letter of Acceptance
MoU: Memorandum of Understanding
MoP: Ministry of Power
RECL: Rural Electrification Corporation Ltd
CESL: Energy Efficiency Services Ltd
CESL : Convergence Energy Services Ltd
O&M: Operation & Maintenance
RfP: Request for Proposal
R&M: Repair & Maintenance
SD: Security Deposit
CPG: Contract Performance Guarantee
FTL: Fluorescent Tube Light
SVL: Sodium Vapor Lamp
PMA: Project Management Agency

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SECTION-3

GENERAL CONDITIONS OF CONTRACT (GCC)



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A. Contract and Interpretation

1. Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

“Contract” means the Contract Agreement entered into between the CESL and the Implementing Partner, together with the Contract Documents referred to therein; they shall constitute the Contract, and the term “the Contract” shall in all such documents be construed accordingly.

“Contract Documents” means the documents listed in Article. 1.1 (Contract Documents) of the Form of Contract Agreement (including any amendments thereto).

“GCC” means the General Conditions of Contract hereof.

“SCC” means the Special Conditions of Contract.

“Day” means calendar day of the Gregorian calendar.

“Month” means calendar month of the Gregorian calendar.

“Employer” means CESL, New Delhi/Noida and includes the legal successors or permitted assigns of the CESL.

“Project Manager” means the person appointed by the CESL in the manner provided in GCC Sub-Clause 17.1 (Project Manager) hereof and named as such in the SCC to perform the duties delegated by the CESL.

“Contractor or Implementing Partner” means the person(s) whose bid to perform the Contract has been accepted by the CESL and is named as such in the Contract Agreement, and includes the legal successors or permitted assigns of the Implementing Partner.

“Contractor or Implementing Partner’s Representative” means any person nominated by the Implementing Partner and approved by the CESL in the manner provided in GCC Sub-Clause 17.2 (Implementing Partner’s Representative and Construction Manager) hereof to perform the duties delegated by the Implementing Partner.

“Sub Contractor or Sub Implementing Partner,” including vendors, means any person to whom execution of any part of the Facilities, including preparation of any design or supply of any Plant and Equipment, is subcontracted directly or indirectly by the Implementing Partner, and includes its legal successors or permitted assigns.

“Adjudicator” means the person or persons named as such in the SCC to make a decision on or to settle any dispute or difference between the CESL and the Implementing Partner referred to him or her by the parties pursuant to GCC Sub-Clause 6.1 (Adjudicator) hereof.

“Contract Price” means the sum specified in Article 2.1 (Contract Price) of the Contract Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.

“Facilities” means the Plant and Equipment to be supplied and installed, as well as all the Installation Services to be carried out by the Implementing Partner under the Contract.

“Plant and Equipment” means permanent plant, equipment, machinery, apparatus, articles and things of all kinds to be provided and incorporated in the Facilities by the Implementing Partner under the Contract (including the spare parts to be supplied by the Implementing Partner under GCC Sub-Clause 7.3 here-of), but does not include Implementing Partner’s Equipment.

“Installation Services” means all those services ancillary to the supply of the Plant and Equipment for the Facilities, to be provided by the Implementing Partner under the Contract; e.g., transportation and provision of marine or other similar insurance, inspection, expediting, Site preparation works (including the provision and use



of Implementing Partner's Equipment and the supply of all construction materials required), installation, testing, pre-commissioning, commissioning, operations, maintenance, the provision of operations and maintenance manuals, training of CESL's Personnel etc.

"Contractor or Implementing Partner's Equipment" means all plant, facilities, equipment, machinery, tools, apparatus, appliances or things of every kind required in or for installation, completion and maintenance of Facilities that are to be provided by the Implementing Partner, but does not include Plant and Equipment, or other things intended to form or forming part of the Facilities.

"Site" means the land and other places upon which the Facilities are to be installed, and such other land or places as may be specified in the Contract as forming part of the Site.

"Effective Date" means the date from which the Time for Completion shall be determined as stated in Article 3 (Effective Date for Determining Time for Completion) of the Form of Contract Agreement.

"Time for Completion" means the time within which Completion of the Facilities as a whole (or of a part of the Facilities where a separate Time for Completion of such part has been prescribed) is to be attained in accordance with the stipulations in the SCC and the relevant provisions of the Contract.

"Completion" means that the Facilities (or a specific part thereof where specific parts are specified in the SCC) have been completed operationally and structurally and put in a tight and clean condition, and that all work in respect of Pre-commissioning of the Facilities or such specific part thereof has been completed; and Commissioning has been attained as per Technical Specifications.

"Pre-commissioning" means the testing, checking and other requirement specified in the Technical Specifications that are to be carried out by the Implementing Partner in preparation for Commissioning as provided in GCC Clause 24 (Completion) hereof.

Commissioning" means trial/intial operation of the Facilities or any part thereof by the Implementing Partner, which operation is to be carried out by the Contractor as provided in GCC Sub-Clause 25.1 (Commissioning) hereof, for the purpose of carrying out Guarantee Test(s).

"Guarantee Test(s)" means the test(s) specified in the Technical Specifications to be carried out to ascertain whether the Facilities or a specified part thereof is able to attain the Functional Guarantees specified in the Technical Specifications in accordance with the provisions of GCC Sub Clause 25.2 (Guarantee Test) hereof.

Operational Acceptance" means the acceptance by the CESL of the Facilities (or any part of the Facilities where the Contract provides for acceptance of the Facilities in parts), which certifies the Implementing Partner's fulfilment of the Contract in respect of Functional Guarantees of the Facilities (or the relevant part thereof) in accordance with the provisions of GCC Clause 28 (Functional Guarantees) hereof and shall include deemed acceptance in accordance with GCC Clause 25 (Commissioning and Operational Acceptance) hereof.

Defect LiabilityPeriod" means the period of validity of the warranties given by the Implementing Partner commencing at Completion of the Facilities or a part thereof, during which the Implementing Partner is responsible for defects with respect to the Facilities (or the relevant part thereof) as provided in GCC Clause 27 (Defect Liability) hereof.

2. Contract Documents

2.1 Subject to Article 1.2 (Order of Precedence) of the Contract Agreement all documents forming part of the Contract (and all parts thereof) are intended to be correlative, complementary and mutually explanatory. The Contract shall be read as a whole.

2.2 The Contract will be signed in three originals and the Implementing Partner shall be provided with one signed original and the rest will be retained by the CESL.

2.3 The Implementing Partner shall provide free of cost to the CESL all the engineering data, drawing and descriptive materials submitted with the bid, in at least five (5) copies to form a part of the Contract immediately after Notification of Award/ letter of Award.

2.4 Subsequent to signing of the Contract, the Implementing Partner at his own cost shall provide the CESL



with at least five(05) true copies of Contract Agreement within thirty (30) days after signing of the Contract.

3. Interpretation

3.1 Language

3.1.1 Unless the Implementing Partner is a national of the CESL's country and the CESL and the Implementing Partner agree to use the local language, all Contract Documents, all correspondence and communications to be given, and all other documentation to be prepared and supplied under the Contract shall be written in English, and the Contract shall be construed and interpreted in accordance with that language.

3.1.2 If any of the Contract Documents, correspondence or communications are prepared in any language other than the governing language under GCC Sub-Clause 3.1.1 above, the English translation of such documents, correspondence or communications shall prevail in matters of interpretation.

3.2 Singular and Plural

The singular shall include the plural and the plural the singular, except where the context otherwise requires.

3.3 Headings

The headings and marginal notes in the General Conditions of Contract are included for ease of reference, and shall neither constitute a part of the Contract nor affect its interpretation.

3.4 Persons

Words importing persons or parties shall include firms, corporations and government entities.

3.5 Inco terms

Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties there under shall be as prescribed by Incoterms.

Inco terms means international rules for interpreting trade terms published by the International Chamber of Commerce (latest edition), 38 Cours Albert 1er, 75008 Paris, France.

3.6 Construction of the Contract

3.6.1 The Contracts to be entered into between the CESL and the successful bidder shall be as under :

i) First Contract: For Ex-works (India) supply of plant and equipment and accessories by bidder including mandatory spares and spares to be supplied during warranty

ii) Second Contract: for providing all services i.e. loading, inland/air/shipment transportation for delivery at site, inland/air/shipment transit insurance, unloading, storage, handling at site, installation, insurance covers other than inland transit insurance, testing, commissioning and conducting Guarantee tests in respect of all the equipments supplied under the 'First Contract' and all other services including civil works, if any, as specified in the Contract Documents including sales tax and duties as asked in price bid in section IV. It will also cover cost for Repair and Maintenance and equipments and/or additional warranty, where ever asked for ,supplied under the 'First Contract' and all other services including civil works, if any, as specified in the Contract Documents. All items in second contract must be quoted including service tax.

iii) Third Contract: For providing all services including Awareness programme for public/stake holders/workshops/printing brochure and other materials, Survey cost, Monitoring and verification cost, scrap disposal cost, arrangement of office at both sites and Statuary agencies cost including service tax.

All the above Contracts will contain a cross-fall breach clause specifying that breach of one Contract will constitute breach of the other Contracts which will confer a right on the Employer to terminate the other Contracts also at the risk and the cost of the contractor /Implementing Partner for the Project, for which awards have been made.

In case, value of second contract viz transportation, insurance is lower or the supply cost includes transportation, insurance etc than three contract may be merged in two contract.

Arbitration: 1. Appointing authority for adjudicator: MD, CESL



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2. The place of arbitration shall be: New Delhi

Prices are to be quoted as Firm during currency of contract. No price adjustment is allowed.

General:

1. In case of investment partner, A project manager is to be deputed from their side for co-coordinating activities.
2. Word Implementing Partner for any Project used in General Conditions of contract includes persons of Investment partner, executing and implementing agencies etc
3. Notification of award means Letter of Intent and Letter of award

3.6.2 The award of separate Contracts shall not in any way dilute the responsibility of the Implementing Partner for the successful completion of the Facilities as per Contract Documents and a breach in one Contract shall automatically be construed as a breach of the other Contract(s) which will confer a right on the CESL to terminate the other Contract(s) also at the risk and the cost of the Implementing Partner.

3.7 Entire Agreement

Subject to GCC Sub-Clause 16.4 hereof, the Contract constitutes the entire agreement between the CESL and Implementing Partner with respect to the subject matter of Contract and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.

3.8 Amendment

No amendment or other variation of the Contract shall be effective unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party here to.

3.9 Independent Contractor or Implementing Partner

The Implementing Partner shall be an independent Implementing Partner performing the Contract. The Contract does not create any agency, partnership, joint venture or other joint relationship between the parties here to.

Subject to the provisions of the Contract, the Contractor or Implementing Partner shall be solely responsible for the manner in which the Contract is performed. All employees, representatives or Sub Contractor or Sub Implementing Partners engaged by the Implementing Partner in connection with the performance of the Contract shall be under the complete control of the Implementing Partner and shall not be deemed to be employees of the CESL, and nothing contained in the Contract or in any subcontract awarded by the Implementing Partner shall be construed to create any contractual relationship between any such employees, representatives or Sub Contractor or Sub Implementing Partners and the CESL.

3.10 Joint Venture or Consortium

If the Implementing Partner is a joint venture or consortium of two or more firms, all such firms shall be jointly and severally bound to the CESL for the fulfilment of the provisions of the Contract and shall designate one of such firms to act as a leader with authority to bind the joint venture or consortium. The composition or the constitution of the joint venture or consortium shall not be altered without the prior consent of the CESL.

3.11 Non-Waiver

3.11.1 Subject to GCC Sub-Clause 3.11.2 below, no relaxation, forbearance, delay or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect or restrict the rights of that party under the Contract, nor shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.



3.11.2 Any waiver of a party's rights, powers or remedies under the Contract must be in writing, must be dated and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

3.12 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

3.13 Country of Origin

"Origin" means the place where the materials, equipment and other supplies for the Facilities are mined, grown, produced or manufactured, and from which the services are provided.

4. Notices

4.1 Unless otherwise stated in the Contract, all notices to be given under the Contract shall be in writing, and shall be sent by personal delivery, airmail post, special courier, cable, telegraph, telex, facsimile or Electronic Data Interchange (EDI) to the address of the relevant party set out in the Contract Coordination Procedure to be finalised pursuant to GCC Sub-Clause 17.2.3.1, with the following provisions.

4.1.1 Any notice sent by cable, telegraph, facsimile or shall be confirmed within two (2) days after despatch by notice sent by airmail/ post or special courier, except as otherwise specified in the Contract.

4.1.2 Any notice sent by airmail post or special courier shall be deemed (in the absence of evidence of earlier receipt) to have been delivered ten (10) days after despatch. In proving the fact of despatch, it shall be sufficient to show that the envelope containing such notice was properly addressed, stamped and conveyed to the postal authorities or courier service for transmission by airmail or special courier.

4.1.3 Any notice delivered personally or sent by telegraph, facsimile shall be deemed to have been delivered on date of its despatch.

4.1.4 Either party may change its postal, cable, telex, facsimile or EDI address or addressee for receipt of such notices by ten (10) days' notice to the other party in writing.

4.2 Notices shall be deemed to include any approvals, consents, instruction orders and certificates to be given under the Contract.

5. Governing Law

5.1 The Contract shall be governed by and interpreted in accordance with laws in force in India. The Courts of Delhi shall have exclusive jurisdiction in all matters arising under the Contract.

6. Settlement of Disputes

6.1 Adjudicator

6.1.1 If any dispute of any kind whatsoever shall arise between the CESL and the Implementing Partner in connection with or arising out of the Contract, including without prejudice to the generality of the foregoing, any question regarding its existence, validity or termination, or the execution of the Facilities—whether during the progress of the Facilities or after their completion and whether before or after the termination, abandonment or breach of the Contract—the parties shall seek to resolve any such dispute or difference by mutual consultation. If the parties fail to resolve such a dispute or difference by mutual consultation, then the dispute shall be referred in writing by either party to the Adjudicator, with a copy to the other party.

6.1.2 The Adjudicator shall give its decision in writing to both parties within twenty-eight (28) days of a dispute being referred to it. If the Adjudicator has done so, and no notice of intention to commence arbitration has been given by either the CESL or the Implementing Partner within fifty-six (56) days of such reference, the decision shall become final and binding upon the CESL and the Implementing Partner. Any decision that has become final and binding shall be implemented by the parties forthwith.

6.1.3 Should the Adjudicator resign or die, or should the CESL and the Implementing Partner agree that the Adjudicator is not fulfilling its functions in accordance with the provisions of the Contract; another retired Judge of High Court/Supreme Court of India shall be jointly appointed by the CESL and the Implementing Partner as adjudicator under the Contract. Failing agreement between the two within twenty eight (28) days, the new retired judge of High Court/Supreme Court of India shall be appointed as the Adjudicator under the Contract



at the request of either party by the Appointing Authority specified in the SCC. The adjudicator shall be paid fee plus reasonable expenditures incurred in the execution of its duties as adjudicator under the contract. This cost shall be divided equally between the CESL and the Implementing Partner.

6.2 Arbitration

6.2.1 If either the CESL or the Implementing Partner is dissatisfied with the Adjudicator's decision, or if the Adjudicator fails to give a decision within twenty-eight (28) days of a dispute being referred to it, then either the CESL or the Implementing Partner may, within fifty-six (56) days of such reference, give notice to the other party, with a copy for information to the Adjudicator, of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

6.2.2 Any dispute in respect of which a notice of intention to commence arbitration has been given, in accordance with GCC Sub-Clause 6.2.1, shall be finally settled by arbitration. Arbitration may be commenced prior to or after completion of the Facilities.

In case the Contractor is a Public Sector Enterprise or a Government Department

6.2.3 In case the Contractor is a Public Sector Enterprise or a Government Department, the dispute shall be referred for resolution in Permanent Machinery for Arbitration(PMA) of the Department of Public Enterprise, Government of India. Such dispute or difference shall be referred by either party for Arbitration to the sole Arbitrator in the Department of Public Enterprises to be nominated by the Secretary to the Government of India in-charge of the Department of Public Enterprises. The award of the Arbitrator shall be binding upon the parties to the dispute, provided, however, any party aggrieved by such award may make a further reference for setting aside or revision of the award to the Law Secretary, Department of Legal Affairs, Ministry of Law & Justice, Government of India. Upon such reference the dispute shall be decided by the Law Secretary or the Special Secretary/Additional Secretary, when so authorized by the Law Secretary, whose decision shall bind the Parties finally and conclusively. The Parties to the dispute will share equally the cost of arbitration as intimated by the Arbitrator.

In case the Contractor is not a Public Sector Enterprise or a Government Department

6.2.4 In all other cases, any dispute submitted by a party to arbitration shall be heard by an arbitration panel composed of three arbitrators, in accordance with the provisions set forth below.

6.2.5 The Employer and the Contractor shall each appoint one arbitrator, and these two arbitrators shall jointly appoint a third arbitrator, who shall chair the arbitration panel. If the two arbitrators do not succeed in appointing a third arbitrator within twenty-eight (28) days after the latter of the two arbitrators has been appointed, the third arbitrator shall, at the request of either party, be appointed by the Appointing Authority for arbitrator designated in the SCC.

6.2.6 If one party fails to appoint its arbitrator within forty-two (42) days after the other party has named its arbitrator, the party which has named an arbitrator may request the Appointing Authority to appoint the second arbitrator.

6.2.7 If for any reason an arbitrator is unable to perform its function, the mandate of the Arbitrator shall terminate in accordance with the provisions of applicable laws as mentioned in GCC Clause 5(Governing Law) and a substitute shall be appointed in the same manner as the original arbitrator.

6.2.8 Arbitration proceedings shall be conducted in accordance with The Arbitration and Conciliation Act, 1996 and its subsequent thereof. The venue of arbitration shall be New Delhi.

6.2.9 The decision of a majority of the arbitrators (or of the third arbitrator chairing the arbitration panel, if there is no such majority) shall be final and binding and shall be enforceable in any court of competent jurisdiction as decree of the court. The parties thereby waive any objections to or claims of immunity from such enforcement.

6.2.10 The arbitrator(s) shall give reasoned award.

Notwithstanding any reference to the Adjudicator or arbitration herein,



the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree

the Employer shall pay the Contractor any monies due to the Contractor.

B. Subject Matter of Contract

7. Scope of Facilities

7.1 Unless otherwise expressly limited in the Technical Specifications, the Implementing Partner's obligations cover the provision of all Plant and Equipment and the performance of all Installation Services required for the design, the manufacture (including procurement, quality assurance, construction, installation, associated civil works, Recommissioning and delivery) of the Plant and Equipment and the installation, completion, commissioning and performance testing of the Facilities in accordance with the plans, procedures, specifications, drawings, codes and any other documents as specified in the Technical Specifications. Such specifications include, but are not limited to, the provision of supervision and engineering services; the supply of labour, materials, equipment, spare parts (as specified in GCC Sub-Clause 7.3 below) and accessories; Implementing Partner's Equipment; construction utilities and supplies; temporary materials, structures and facilities; transportation (including, without limitation, unloading and hauling to, from and at the Site); and storage, except for those supplies, works and services that will be provided or performed by the CESL, as set forth in Appendix 6 (Scope of Works and Supply by the CESL) to the Contract Agreement.

7.2 The Contractor or Implementing Partner shall, unless specifically excluded in the Contract, perform all such work and/or supply all such items and materials not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Completion of the Facilities as if such work and/or items and materials were expressly mentioned in the Contract.

7.3 In addition to the supply of Mandatory Spare Parts if asked and warranty spares included in the Contract, the Implementing Partner agrees to supply spare parts required for the operation and maintenance of the Facilities. However, the identity, specifications and quantities of such spare parts and the terms and conditions relating to the supply thereof are to be agreed between the CESL and the Implementing Partner, and the price of such if asked spare parts shall be that given in Price Schedule which shall be added to the Contract Price. The price of such spare parts shall include the purchase price there for and other costs and expenses (including the Implementing Partner's fees) relating to the supply of spare parts. The prices of spares covered under the Price Schedule shall be kept valid for a period as specified in SCC.

7.3.1 The Contractor / Implementing Partner agrees that the spare parts recommended by him for 3 years operation and quoted in price Schedule shall be supplied by him at the same terms and conditions as are otherwise applicable to this Contract. Further, the Implementing Partner also agrees to supply spare parts required for the operation and maintenance of the Facilities as per provision of subsequent paragraphs of this Sub-Clause.

7.3.1.1 All the spares for the equipment under the Contract will strictly conform to the Specification and other relevant documents and will be identical to the corresponding main equipment/components supplied under the Contract and shall be fully interchangeable.

7.3.1.2 All the mandatory spares covered under the Contract shall be produced along with the main equipment as a continuous operation and the delivery of the spares will be effected along with the main equipment in a phased manner and the delivery would be completed by the respective dates for the various categories of equipment as per the agreed network. In case of recommended spares the above will be applicable provided the orders for the recommended spares have been placed with the Implementing Partner prior to commencement of manufacture of the main equipment.

7.3.1.3 The Implementing Partner will provide the CESL with the manufacturing drawings, catalogues, assembly drawings and any other document required by the CESL so as to enable the CESL to identify the recommended



spares. Such details will be furnished to the CESL as soon as they are prepared but in any case not later than six months prior to commencement of manufacture of the corresponding main equipment.

7.3.1.4 To enable the CESL to finalise the requirement of recommended spares which are ordered subsequent to placement of order for main equipment/plant, in addition to necessary technical details, catalogue and such other information brought-out herein above, the Implementing Partner will also provide a justification in support of reasonableness of the quoted prices of spares which will, inter-alia, include documentary evidence that the prices quoted by the Implementing Partner to the CESL are not higher than those charged by him from other customers in the same period.

7.3.1.5 In addition to the spares recommended by the Implementing Partner, if the CESL further identifies certain items of spares, the Implementing Partner will submit the prices and delivery quotation for such spares within thirty (30) days of receipt of such request with a validity period of six (6) months for consideration by the CESL and placement of order for additional spares if the CESL so desires.

7.3.1.6 The quality plan and the inspection requirement finalised for the main equipment will also be applicable to the corresponding spares.

7.3.1.7 The Contractor or Implementing Partner will provide the CESL with all the addresses and particulars of his sub-suppliers while placing the order on vendors for items/components/equipment covered under the Contract and will further ensure with his vendors that the CESL, if so desires, will have the right to place order for spares directly on them on mutually agreed terms based on offers of such vendors.

7.3.1.8 The Contractor or Implementing Partner shall guarantee the long term availability of spares to the CESL for the full life of the equipment covered under the Contract. The Implementing Partner shall guarantee that before going out of production of spare parts of the equipment covered under the Contract, he shall give the CESL at least 2 years advance notice so that the latter may order his bulk requirement of spares, if it so desires. The same provision will also be applicable to Sub-Implementing Partners. Further, in case of discontinuance of manufacture of any spares by the Contractor and/or his Sub- Contractor or Implementing Partner, Implementing Partner will provide the CESL, two years in advance, with full manufacturing drawings, material specification and technical information including information on alternative equivalent makes required by the CESL for the purpose of manufacture/procurement of such items.

7.3.1.9 The prices of all future requirements of item of spares beyond 3 years operational requirement will be derived from the corresponding ex-works price at which the order for such spares have been placed by CESL as a part of mandatory spares or recommended spares, or from the rates of mandatory spares or recommended spares as quoted by/ negotiated with the Implementing Partner. Ex-works order price of future spares shall be computed in accordance with the price adjustment provisions covered under the main Contract excepting that the base indices will be counted from the scheduled date of Commissioning of the last equipment under the main project and there will be no ceiling on the amount of variation in the prices. The above option for procuring future recommended spares by the CESL shall remain valid for the period of 5 years from the date of Commissioning of the equipment.

7.3.1.10 The Implementing Partner will indicate in advance the delivery period of the items of spares, which the CESL may procure in accordance with above sub-clause. In case of emergency requirements of spares, the Contractor would make every effort to expedite the manufacture and delivery of such spares on the basis of mutually agreed time schedule.

7.3.1.11 In case the Implementing Partner fails to supply the mandatory, recommended or long term spares in the terms stipulated above, the CESL shall be entitled to purchase the same from the alternate sources at the risk and the cost of the Implementing Partner and recover from the Implementing Partner, the excess amount paid by the CESL over the rates worked on the above basis. In the event of such risk purchase by the CESL, the purchases will be as per the Works and Procurement Policy of the EESL prevalent at the time of such purchases and the CESL at his option may include a representative from the Implementing Partner in finalising the purchases.

7.3.1.11 It is expressly understood that the final settlement between the parties in terms of relevant clauses of the Contract Documents shall not relieve the Implementing Partner of any of his obligations under the provision of long term availability of spares and such provisions shall continue to be enforced till the expiry of 5 years period reckoned from the scheduled date of Commissioning of the Plant and Equipment unless other-wise discharged



expressly in writing by the CESL. Further, the provisions pertaining to long term availability of spares shall be extended beyond 5 years applicability period mentioned hereinabove if so desired by the CESL and at the mutually acceptable escalation formula.

7.3.1.13 The Implementing Partner shall warrant that all spares supplied will be new and in accordance with the Contract Documents and will be free from de-fects in design, material and workmanship and shall further guarantee as under:

- (i) For 3 years operational spares (both mandatory and recommended)
 - a) For any item of spares ordered or to be ordered by the CESL for 3 years operational requirement of the plant which are manufactured as a continuous operation together with the corresponding main equipment/component, the Defect Liability Period will be twelve (12) months from the scheduled date of commercial operation of main equipment/ plant under the Contract. 'Commercial Operation' shall mean the conditions of operation in which the complete equipment covered under the Contract is officially declared by the CESL to be available for continuous operation at different loads up to and including rated capacity. Such declaration by the CESL, however, shall not relieve or prejudice the Implementing Partner any of his obligations under the Contract. In case of any failure in the original component/equipment's due to faulty designs, materials and workmanship, the corresponding spare parts, if any, supplied will be replaced without any extra cost to the CESL unless a joint examination and analysis by the CESL and the Implementing Partner of such spare parts prove that the defect found in the original part that failed, can safely be assumed not to be present in spare parts. Such replaced spare parts will have the same Defect Liability as applicable to the replacement made for the defective original part/component provided that such replacement for the original equipment and the spare replaced are again manufactured together. The discarded spare parts will become the property of the Implementing Partner as soon as they have been replaced by the Implementing Partner.
 - b) For the item of spares ordered or to be ordered by the CESL for 3 years operational requirement of the plant, which with the written approval of the CESL, are not manufactured as a continuous operation will be warranted for 7000 hrs of trouble free operation if used within a period of eighteen (18) months reckoned from the date of delivery at site. However, if such spare parts are put to use after eighteen (18) months of the delivery at Site then the guarantee of such spares will stand valid till the expiry of thirty six (36) months from the scheduled date of Commissioning of equipment/plant covered under the contract or 7000 hrs of trouble free operation after such spares are put in service, whichever is earlier.
 - c) For long term requirement

For item of spares that may be ordered by the CESL to cover requirements beyond 3 years of Initial Operation of the plant, the warranty will be till the expiry of 7000 hrs of trouble free operation if used within a period of eighteen (18) months from the date of delivery at site. For item of spares that may be used after eighteen (18) months from the date of delivery at site, the warranty period will be 12 months from the date they are put to use or 7000 hrs of trouble free operation, whichever is earlier. In any case the defect liability of spares will expire at the end of forty eight (48) months from the date of their receipt at site.

- (ii) The Defect Liability of spares covered in para (b) & (c) above, that are not used within 18 months from the respective date of the delivery at Site will, however, be subject to condition that all such spares being stored/maintained/preserved in accordance with Implementing Partner's standard recommended practice, if any, and the same has been furnished to the CESL.



8. Time for Commencement and Completion

8.1 The Implementing Partner shall commence work on the Facilities from the date of Notification of Award and without prejudice to GCC Sub-Clause 26.2 hereof, the Implementing Partner shall thereafter proceed with the Facilities in accordance with the time schedule specified in Appendix 4 (Time Schedule) to the Contract Agreement or / and as mentioned in special conditions of contract.

8.2 The Implementing Partner shall attain Completion of the Facilities (or of a part where a separate time for Completion of such part is specified in the Contract) within the time stated in the SCC or within such extended time to which the Implementing Partner shall be entitled under GCC Clause 40 (Extension of Time for Completion) hereof.

9. Contractor or Implementing Partner's Responsibilities

9.1 The Contractor or Implementing Partner shall design, manufacture (including associated purchases and/or subcontracting), install and complete the Facilities with due care and diligence in accordance with the Contract.

9.2 The Contractor or Implementing Partner confirms that it has entered into this Contract on the basis of a proper examination of the data relating to the Facilities (including any data as to boring tests) provided by the CESL, and on the basis of information that the Contractor or Implementing Partner could have obtained from a visual inspection of the Site (if access thereto was available) and of other data readily available to it relating to the Facilities as at the date twenty-eight (28) days prior to bid submission. The Implementing Partner acknowledges that any failure to acquaint itself with all such data and information shall not relieve its responsibility for properly estimating the difficulty or cost of successfully performing the Facilities.

9.3 The Implementing Partner shall acquire in its name all permits, approvals and/or licenses from all local, state or national government authorities or public service undertakings in the country where the Site is located that are necessary for the performance of the Contract, including, without limitation, visas for the Contractor or Implementing Partner's and Sub Contractor or Implementing Partner's personnel and entry permits for all imported Implementing Partner's Equipment. The Implementing Partner shall acquire all other permits, approvals and/or licenses that are not the responsibility of the CESL under GCC Sub-Clause 10.3 hereof and that are necessary for the performance of the Contract.

9.4 The Implementing Partner shall comply with all laws in force in the country where the Facilities are installed and where the Installation Services are carried out. The laws will include all national, provincial, municipal or other laws that affect the performance of the Contract and bind upon the Implementing Partner. The Implementing Partner shall indemnify and hold harmless the CESL from and against any and all liabilities, damages, claims, fines, penalties and expenses of whatever nature arising or resulting from the violation of such laws by the Contractor or Implementing Partner or its personnel, including the Contractor or Sub Implementing Partners and their personnel, but without prejudice to GCC Sub Clause 10.1 hereof.

9.5 Any Plant, Material and Services that will be incorporated in or be required for the Facilities and other supplies shall have their origin as specified under GCC Clause 3.13 (Country of Origin).

10. CESL's Responsibilities

10.1 The CESL shall ensure the accuracy of all information and/or data to be supplied by the CESL as described in Appendix 6 (Scope of Works and Supply by the CESL) to the Contract, except when otherwise expressly stated in the Contract.

10.2 The CESL shall be responsible for acquiring and providing legal and physical possession of the Site and access thereto, and for providing possession of and access to all other areas reasonably required for the proper execution of the Contract, including all requisite rights of way, as specified in Appendix 6 (Scope of Works and Supply by the CESL) to the Contract Agreement. The CESL shall give full possession of and accord all rights of access thereto on or before the date(s) specified in Appendix 6.

10.3 The CESL shall acquire and pay for all permits, approvals and/or licenses from all local, state or national government authorities or public service undertakings in the country where the Site is located which such authorities or undertakings require the CESL to obtain them in the CESL's name, are necessary for the execution of the Contract (they include those required for the performance by both the Implementing Partner and the CESL of their respective obligations under the Contract), including those specified in Appendix 6 (Scope of Works and Supply by the CESL) to the Contract Agreement.

10.4 If requested by the Implementing Partner, the CESL shall use its best endeavours to assist the Implementing Partner in obtaining in a timely and expeditious manner all permits, approvals and/or licenses necessary for the



execution of the Contract from all local, state or national government authorities or public service undertakings that such authorities or undertakings require the Contractor or Implementing Partner or Subcontractor or Implementing Partners or the personnel of the Contractor or Implementing Partner or Sub Contractor or Implementing Partners, as the case may be, to obtain.

10.5 Unless otherwise specified in the Contract or agreed upon by the CESL and the Implementing Partner, the CESL shall provide sufficient, properly qualified operating and maintenance personnel; shall supply and make available all raw materials, utilities, lubricants, chemicals, catalysts other materials and facilities ; and shall perform all work and services of whatsoever nature, to enable the Implementing Partner to properly carry out Pre commissioning, Commissioning and Guarantee Tests, all in accordance with the provisions of Appendix 6 (Scope of Works and Supply by the CESL) to the Contract Agreement at or before the time specified in the program furnished by the Contractor or Implementing Partner under GCC Sub- Clause 18.2 (Program of Performance) hereof and in the manner there-upon specified or as otherwise agreed upon by the CESL and the Contractor or Implementing Partner.

10.6 The CESL shall be responsible for the continued operation of the Facilities after Completion, in accordance with GCC Sub-Clause 24.8, and shall be responsible for facilitating the Guarantee Test(s) for the Facilities, in accordance with GCC Sub-Clause 25.2.

10.7 All costs and expenses involved in the performance of the obligations under this GCC Clause 10 shall be the responsibility of the CESL save those to be incurred by the Implementing Partner with respect to the performance of Guarantee Tests, in accordance with GCC Sub-Clause 25.2.

C. Payment

11. Contract Price

11.1 The Contract Price shall be as specified in Article 2 (Contract Price and Terms of Payment) of the Form of Contract Agreement.

11.2 The Contract Price shall be adjusted in accordance with provisions of Appendix-2 (Price Adjustment) to the Contract Agreement, if applicable. It will be mentioned in SCC.

11.3 Subject to GCC Sub-Clauses 9.2, 10.1 and 35 (Unforeseen Conditions) hereof, the Implementing Partner shall be deemed to have satisfied itself as to the hereof, correctness and sufficiency of the Contract Price, which shall, expect as otherwise provided for in the Contract, cover all its obligations under the Contract.

12. Terms of Payment

12.1 The Contract price shall be paid as specified in Appendix 1 (Terms and Procedures of Payment) to the Contract Agreement. The procedures to be followed in making application for and processing payments shall be those outlined in the same Appendix 1.

12.2 No payment made by the CESL herein shall be deemed to constitute acceptance by the CESL of the Facilities or any part(s) thereof.

12.3 The currency or currencies in which payments are made to the Implementing Partner under this Contract shall be specified in Appendix 1 (Terms and Procedures of Payment) to the Contract Agreement, subject to the general principle that payments will be made in the currency or currencies in which the Contract Price has been stated in the Contract.

13. Securities

13.1 Issuance of Securities

The Implementing Partner shall provide the securities specified below in favour of the CESL at the times, and in the amount, manner and form specified below.

13.2 Advance Payment Security

13.2.1 The Implementing Partner shall, within twenty-eight (28) days of the notification of contract award, provide a security in an amount equal to the advance payment calculated in accordance with Appendix 1 (Terms and Procedures of Payment) to the Contract Agreement, and in the currency or currencies of the contract, with a initial validity of up to ninety (90) days beyond the schedule date of Completion of the Facilities in accordance with GCC Clause 24. However, in case of delay in completion of facilities under the package, the validity of the security shall be extended by the period of such delay.



13.2.2 The security shall be in the form of an unconditional bank guarantee as per the proforma provided in Section VII (Forms and Procedures)- Form of Advance Payment Security. The Advance payment Security shall be reduced prorate every three (3) months after First Running Account Bill/Stage Payment under the Contract based on the value of equipment/facilities received. The cumulative amount of reduction at any point of time shall not exceed seventy five percent (75%) of the advance corresponding to cumulative value of the respective equipment Facilities supplied and received as per a certificate issued by the Project Manager and the balance of 25% released after ninety (90) days beyond the Completion of those Facilities. It should be clearly understood that reduction in the value of security for advance shall not in any way dilute the Implementing Partner's responsibility and liabilities under the Contract including in respect of the Facilities for which the reduction in the value of security is allowed.

13.3 Contract Performance Security

13.3.1 The Implementing Partner shall, within twenty-eight (28) days of the Notification of Award, provide securities for the due performance of the Contract for ten percent (10%) of the Contract Price of all the Contracts, with a initial validity upto ninety (90) days beyond the end of scheduled Defect Liability Period of the last equipment covered under the package. If the CESL accepts to enters into 'Second Contract' and/or 'Third Contract' with the Assignee of a foreign Implementing Partner, pursuant to GCC Sub-Clause 3.6, the said Assignee, in addition to the Contract Performance Securities to be provided by the foreign Implementing Partner for ten percent (10%) of the value of all the Contracts i.e. First Contract, Second Contract and Third Contract, shall provide within twenty eight (28) days of the Notification of Award, separate Contract Performance Security(ies) equivalent to ten percent (10%) of the value of Contract(s) entered into with the Assignee, for the due performance of Contract, with a initial validity up to ninety (90) days beyond the end of Scheduled Defect Liability period of the last equipment covered under the package. However, in case of delay in completion of the defect liability period, the validity of all the contract performance securities shall be extended by the period of such delay.

13.3.2 The performance security shall be denominated in the currency or currencies of the Contract, or in a freely convertible currency acceptable to the CESL, and shall be in the form of unconditional bank guarantee provided in Section-VII (Forms and Procedures)-Form of Performance Security of the bidding documents.

13.3.3 Unless otherwise stipulated in SCC, the security shall be reduced pro rata to the Contract Price of a part of the Facilities for which a separate time for Completion is provided, twenty one (21) months after Completion of the Facilities or where relevant part thereof, or fifteen (15) months after Operational Acceptance of the Facilities (or the relevant part thereof), whichever occurs first; provided, however, that if the Defects Liability Period has been extended on any part of the Facilities pursuant to GCC Sub-Clause 27.8 hereof, the Implementing Partner shall issue an additional security in an amount proportionate to the Contract Price of that part. The security shall be returned to the Implementing Partner immediately after its expiration, provided, however, that if the Implementing Partner, pursuant to GCC Sub-Clause 27.10, is liable for an extended warranty obligation, the performance security shall be extended for the period and up to the amount agreed upon or as specified in the SCC.

14. Taxes and Duties

14.1 Except as otherwise specifically provided in the Contract, the Implementing Partner shall bear and pay all taxes, duties, levies and charges assessed on the Implementing Partner, its Sub Implementing Partners or their employees by all municipal, state or national government authorities in connection with the Facilities in and outside of the country where the Site is located.

14.2 Notwithstanding GCC Sub-Clauses 14.1 above, the CESL shall bear and promptly reimburse all customs and import duties, if imposed in future, on the Plant and Equipment including Type Test and mandatory spares supplied from abroad and specified in Price Schedule (and on spare parts to be supplied from abroad and specified in Schedule, when awarded) and that are to be incorporated into the Facilities, by the law of the country where the Site is located. However, if the plant and equipment are shipped in Shipper's containers, then the custom duty levied on the cost of empty containers shall be borne and paid/reimbursed by the Implementing Partner. The CESL shall also bear and pay/reimburse to the Implementing Partner/Assignee of Foreign Implementing Partner (if applicable) Sales Tax (but not the surcharge in lieu of Sales Tax), Local Tax including Entry Tax / Octroi (if applicable) in respect of direct transactions between the CESL and the Implementing Partner, if imposed on the Plant and Equipment including Type Test and Mandatory Spares manufactured within the CESL's country and specified in Price (and also on locally supplied spares quoted when awarded) to be incorporated in the Facilities, by the law of country where the site is located. For this purpose, the Ex-works price if quoted in foreign currency and so incorporated in the contract, shall be converted to Indian Rupees as per the TT buying exchange rates established by State Bank of India prevailing on the actual date of Ex-works (India) despatch.



All taxes, duties and levies on works contract, if any, shall be to the Implementing Partner's account and no separate claim in this regard will be entertained by the CESL.

14.3 If any tax exemptions, reductions, allowances or privileges is available to the Implementing Partner in the country where the Site is located, the CESL shall use its best endeavours to enable the Implementing Partner to benefit from any such tax savings to the maximum allowable extent.

14.4 For the purpose of the Contract, it is agreed that the Contract Price specified in Article 2 (Contract Price and Terms of Payment) of the Contract Agreement is based on the taxes, duties, levies and charges prevailing at the date seven (7) days prior to the last date of bid submission in the country where the Site is located (hereinafter called "Tax" in this GCC Sub-Clause 14.4). If any rates of Tax are increased or de-creased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs in the course of the performance of Contract, which was or will be assessed on the Implementing Partner in connection with performance of the Contract, an equitable adjustment of the Contract Price shall be made to fully take into account any such change by addition to the Contract Price or deduction there-from, as the case may be, in accordance with GCC Clause 36 (Change in Laws and Regulations) hereof. However, these adjustments would be restricted to direct transactions between the CESL and the Contractor/assignee of Foreign Implementing Partner (if applicable). These adjustments shall not be applicable on procurement of raw materials, intermediary components etc. by the Implementing Partner/assignee and also not applicable on the bought out items despatched directly from sub-vendor's works to site.

D. Intellectual Property

15. Copyright

15.1 The copyright in all drawings, documents and other materials containing data and information furnished to the CESL by the Implementing Partner hereinafter shall remain vested in the Implementing Partner or, if they are furnished to the CESL directly or through the Implementing Partner by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party. The CESL shall however be free to reproduce all drawings, documents and other material furnished to the CESL for the purpose of the contract including, if required, for operation and maintenance of the facilities.

16. Confidential Information

16.1 The CESL and the Implementing Partner shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following termination of the Contract. Notwithstanding the above, the Contractor or Implementing Partner may furnish to its SubContractor or Implementing Partner(s) such documents, data and other information it receives from the CESL to the extent required for the Sub Contractor or Implementing Partner(s) to perform its work under the Contract, in which event the Implementing Partner shall obtain from such SubContractor or Implementing Partner(s) an undertaking of confidentiality similar to that imposed on the Implementing Partner under this GCC Clause 16.

16.2 The CESL shall not use such documents, data and other information received from the Implementing Partner for any purpose other than the operation and maintenance of the Facilities. Similarly, the Implementing Partner shall not use such documents, data and other information received from the CESL for any purpose other than the design, procurement of Plant and Equipment, construction or such other work and services as are required for the performance of the Contract.

16.3 The obligation of a party under GCC Sub-Clauses 16.1 and 16.2 above, however, shall not apply to that information which

- (a) now or hereafter enters the public domain through no fault of that party.
- (b) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party hereto
- (c) Otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

16.4 The above provisions of this GCC Clause 16 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Facilities or any part



thereof.

16.5 The provisions of this GCC Clause 16 shall survive termination, for what-ever reason, of the Contract.

E. Work Execution

17. Representatives

17.1 Project Manager

If the Project Manager is not named in the Contract, then within fourteen (14) days of the Effective Date, the CESL shall appoint and notify the Implementing Partner in writing of the name of the Project Manager. The CESL may from time to time appoint some other person as the Project Manager in place of the person previously so appointed, and shall give a notice of the name of such other person to the Implementing Partner without delay. The CESL shall take reasonable care to see that no such appointment is made at such a time or in such a manner as to impede the progress of work on the Facilities. The Project Manager shall represent and act for the CESL at all times during the currency of the Contract. All notices, instructions, orders, certificates, approvals and all other communications under the Contract shall be given by the Project Manager, except as herein otherwise provided.

All notices, instructions, information and other communications given by the Implementing Partner to the CESL under the Contract shall be given to the Project Manager, except as herein otherwise provided.

17.2 Contractor's representative & Construction Manager

17.2.1 If the Implementing Partner's Representative is not named in the Contract, then within fourteen (14) days of the Effective Date, the Implementing Partner shall appoint the Implementing Partner's Representative and shall request the CESL in writing to approve the person so appointed. If the CESL makes no objection to the appointment within fourteen (14) days, the Implementing Partner's Representative shall be deemed to have been approved. If the CESL objects to the appointment within fourteen (14) days giving the reason therefor, then the Implementing Partner shall appoint a replacement within fourteen (14) days of such objection, and the foregoing provisions of this GCC Sub-Clause 17.2.1 shall apply thereto.

17.2.2 The Implementing Partner's Representative shall represent and act for the Implementing Partner at all times during the currency of the Contract and shall give to the Project Manager all the Implementing Partner's notices, instructions, information and all other communications under the Contract.

All notices, instructions, information and all other communications given by the CESL or the Project Manager to the Implementing Partner under the Contract shall be given to the Implementing Partner's Representative or, in its absence, its deputy, except as herein otherwise provided.

The Implementing Partner shall not revoke the appointment of the Implementing Partner's Representative without the CESL's prior written con-sent, which shall not be unreasonably withheld. If the CESL consents thereto, the Implementing Partner shall appoint some other per-son as the Implementing Partner's Representative, pursuant to the procedure set out in GCC Sub-Clause 17.2.1

17.2.3 The Implementing Partner's Representative may, subject to the approval of the CESL (which shall not be unreasonably withheld), at any time delegate to any person any of the powers, functions and authorities vested in him or her. Any such delegation may be revoked at any time. Any such delegation or revocation shall be subject to a prior notice signed by the Implementing Partner's Representa-tive, and shall specify the powers, functions and authorities thereby delegated or revoked. No such delegation or revocation shall take effect unless and until a copy thereof has been delivered to the CESL and the Project Manager.

Any act or exercise by any person of powers, functions and authorities so delegated to him or her in accordance with this GCC Sub-Clause 17.2.3 shall be deemed to be an act or exercise by the Implementing Partner's Representative.

17.2.3.1 Notwithstanding anything stated in GCC Sub-clause 17.1 and 17.2.1 above, for the purpose of execution of contract, the CESL and the Implementing Partner shall finalise and agree to a Contract Co-ordination Procedure and all the communication under the Contract shall be in accordance with such Contract Co-ordination Procedure.

17.2.4 From the commencement of installation of the Facilities at the Site until Operational Acceptance, the



Implementing Partner's Representative shall appoint a suitable person as the construction manager (hereinafter referred to as "the Construction Manager"). The Construction Manager shall supervise all work done at the Site by the Implementing Partner and shall be present at the Site throughout normal working hours except when on leave, sick or absent for reasons connected with the proper performance of the Contract. When-ever the Construction Manager is absent from the Site, a suitable person shall be appointed to act as his or her deputy.

17.2.5 The CESL may by notice to the Implementing Partner object to any representative or person employed by the Implementing Partner in the execution of the Contract who, in the reasonable opinion of the CESL, may behave inappropriately, may be incompetent or negligent, or may commit a serious breach of the Site regulations provided under GCC Sub-Clause 22.3. The CESL shall provide evidence of the same, whereupon the Implementing Partner shall remove such person from the Facilities.

17.2.6 If any representative or person employed by the Implementing Partner is removed in accordance with GCC Sub-Clause 17.2.5, the Contractor shall, where required, promptly appoint a replacement.

18. Work Program

18.1 Contractor or Implementing Partner's Organization

The Implementing Partner shall supply to the CESL and the Project Manager a chart showing the proposed organization to be established by the Implementing Partner for carrying out work on the Facilities. The chart shall include the identities of the key personnel together with the curricula vitae of such key personnel to be employed within twenty-one (21) days of the Effective Date. The Implementing Partner shall promptly inform the CESL and the Project Manager in writing of any revision or alteration of such an organization chart.

18.2 Program of Performance

Within twenty-eight (28) days after the date of notification of award of Contract, the Implementing Partner shall prepare and submit to the Project Manager a detailed program of performance of the Contract, made in the form of PERT Network and showing the sequence in which it proposes to design, manufacture, transport, assemble, install and pre-commission the Facilities, as well as the date by which the Implementing Partner reasonably requires that the CESL shall have fulfilled its obligations under the Contract so as to enable the Implementing Partner to execute the Contract in accordance with the program and to achieve Completion and Acceptance of the Facilities in accordance with the Contract. The program so submitted by the Implementing Partner shall accord with the Time Schedule included in Appendix 4 (Time Schedule) to the Contract Agreement and any other dates and periods specified in the Contract. The Implementing Partner shall update and revise the program as and when appropriate or when required by the Project Manager, but without modification in the Time for Completion given in the SCC and any extension granted in accordance with GCC Clause 40, and shall submit all such revisions to the Project Manager.

18.3 Progress Report

The Contractor or Implementing Partner shall monitor progress of all the activities specified in the program referred to in GCC Sub-Clause 18.2 (Program of Performance) above, and supply a progress report to the Project Manager every month.

The progress report shall be in a form acceptable to the Project Manager and shall also indicate: (a) percentage completion achieved compared with the planned percentage completion for each activity; and (b) where any activity is behind the program, giving comments and likely consequences and stating the corrective action being taken.

18.4 Progress of Performance

If at any time the Implementing Partner's actual progress falls behind the program referred to in GCC Sub-Clause 18.2 (Program of Performance), or it becomes apparent that it will so fall behind, the Implementing Partner shall, at the request of the CESL or the Project Manager, prepare and submit to the Project Manager a revised program, taking into account the prevailing circumstances, and shall notify the Project Manager of the steps being taken to expedite progress so as to attain Completion of the Facilities within the Time for Completion under GCC Sub-Clause 8.2 (Time for Commencement and Completion), any extension thereof entitled under GCC Sub-Clause 40.1 (Extension of Time for Completion), or any extended period as may otherwise be agreed upon between the CESL and the Implementing Partner.

18.5 Work Procedures

The Contract shall be executed in accordance with the Contract Documents and the procedures given in the section on Forms and Procedures of the Contract Documents.

If agreed between the CESL and the Implementing Partner, the Implementing Partner may execute the Contract in accordance with its own standard project execution plans and procedures to the extent that they do not conflict with



the provisions contained in the Contract.

18.6 Maintenance of Records of Weekly Progress Review meeting at Site

The Contractor shall be required to attend all weekly site progress review meetings organised by the 'Project Manager' or his authorised representative. The deliberations in the meetings shall inter alia include the weekly program, progress of work (including details of manpower, tools & plants deployed by the Contractor vis-a-vis agreed schedule), inputs to be provided by Employer, delays, if any and recovery program, specific hindrances to work and work instructions by Employer. The minutes of the weekly meetings shall be recorded in triplicate in a numbered register available with the Project Manager or his authorised representative. These representative and the Contractor and one copy of the signed records shall be handed over to the Contractor.

19. Subcontracting

19.1 Appendix 5 (List of Approved Sub-Implementing Partners) to the Contract Agreement specifies major items of supply or services and a list of approved Sub-Implementing Partners against each item, including vendors. Insofar as no Sub-Implementing Partners are listed against any such item, the Implementing Partner shall prepare a list of Sub-Implementing Partners for such item for inclusion in such list. The Implementing Partner may from time to time propose any addition to or deletion from any such list. The Implementing Partner shall submit any such list or any modification thereto to the CESL for its approval in sufficient time so as not to impede the progress of work on the Facilities. Such approval by the CESL for any of the Sub-Implementing Partners shall not relieve the Implementing Partner from any of its obligations, duties or responsibilities under the Contract.

19.2 The Implementing Partner shall select and employ its Sub-Implementing Partners for such major items from those listed in the lists referred to in GCC Sub-Clause 19.1.

19.3 For items or parts of the Facilities not specified in Appendix 5 (List of Approved Sub-Implementing Partners) to the Contract Agreement, the Implementing Partner may employ such Sub-Implementing Partners as it may select, at its discretion.

20. Design and Engineering

20.1 Specifications and Drawings

20.1.1 The Implementing Partner shall execute the basic and detailed design and the engineering work in compliance with the provisions of the Contract, or where not so specified, in accordance with good engineering practice.

The Implementing Partner shall be responsible for any discrepancies, errors or omissions in the specifications, drawings and other technical documents that it has prepared, whether such specifications, drawings and other documents have been approved by the Project Manager or not, provided that such discrepancies, errors or omissions are not because of inaccurate information furnished in writing to the Implementing Partner by or on behalf of the CESL.

20.1.2 The Implementing Partner shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designated by or on behalf of the CESL, by giving a notice of such disclaimer to the Project Manager.

20.2 Codes and Standards

Wherever references are made in the Contract to codes and standards in accordance with which the Contract shall be executed, the edition or the revised version of such codes and standards current at the date twenty-eight (28) days prior to date of bid submission shall apply unless otherwise specified. During Contract execution, any changes in such codes and standards shall be applied after approval by the CESL and shall be treated in accordance with GCC Clause 39 (Changes Originating from Implementing Partner).

20.3 Approval/Review of Technical Documents by Project Manager, where ever applicable

20.3.1 The Implementing Partner shall prepare (or cause its Sub-Implementing Partners to prepare) and furnish to the Project Manager the documents listed in Appendix 7 (List of Documents for Approval or Review) to the Contract Agreement for its approval or review as specified and as in accordance with the requirements of GCC Sub-Clause 18.2 (Program of Performance).

Any part of the Facilities covered by or related to the documents to be approved by the Project Manager shall be



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executed only after the Project Manager's approval thereof.

GCC Sub-Clauses 20.3.2 through 20.3.7 shall apply to those documents requiring the Project Manager's approval, but not to those furnished to the Project Manager for its review only.

20.3.2 Within twenty one (21) days after receipt by the Project Manager of any document requiring the Project Manager's approval in accordance with GCC Sub-Clause 20.3.1, the Project Manager shall either return one copy thereof to the Implementing Partner with its approval endorsed thereon or shall notify the Implementing Partner in writing of its disapproval thereof and the reasons therefor and the modifications that the Project Manager proposes.

20.3.3 The Project Manager shall not disapprove any document, except on the grounds that the document does not comply with some specified provision of the Contract or that it is contrary to good engineering practice.

20.3.4 If the Project Manager disapproves the document, the Implementing Partner shall modify the document and resubmit it for the Project Manager's approval in accordance with GCC Sub-Clause 20.3.2. If the Project Manager approves the document subject to modification(s), the Implementing Partner shall make the required modification(s), and upon resubmission with the required modifications the document shall be deemed to have been approved.

The procedure for submission of the documents by the Implementing Partner and their approval by the Project Manager shall be discussed and finalised with the Implementing Partner.

20.3.5 If any dispute or difference occurs between the CESL and the Implementing Partner in connection with or arising out of the disapproval by the Project Manager of any document and/or any modification(s) thereto that cannot be settled between the parties within a reasonable period, then such dispute or difference may be referred to an Adjudicator for determination in accordance with GCC Sub-Clause 6.1 (Adjudicator) hereof. If such dispute or difference is referred to an Adjudicator, the Project Manager shall give instructions as to whether and if so, how, performance of the Contract is to proceed. The Implementing Partner shall proceed with the Contract in accordance with the Project Manager's instructions, provided that if the Adjudicator upholds the Implementing Partner's view on the dispute and if the CESL has not given notice under GCC Sub-Clause 6.1.2 hereof, then the Implementing Partner shall be reimbursed by the CESL for any additional costs incurred by reason of such instructions and shall be relieved of such responsibility or liability in connection with the dispute and the execution of the instructions as the Adjudicator shall decide, and the Time for Completion shall be extended accordingly.

20.3.6 The Project Manager's approval, with or without modification of the document furnished by the Implementing Partner, shall not relieve the Implementing Partner of any responsibility or liability imposed upon it by any provisions of the Contract except to the extent that any subsequent failure results from modifications required by the Project Manager.

20.3.7 The Implementing Partner shall not depart from any approved document unless the Implementing Partner has first submitted to the Project Manager an amended document and obtained the Project Manager's approval thereof, pursuant to the provisions of this GCC Sub-Clause 20.3.

If the Project Manager requests any change in any already approved document and/or in any document based thereon, the provisions of GCC Clause 39 (Change in the Facilities) shall apply to such request.

21. Procurement

21.1 Plant and Equipment

Subject to GCC Sub-Clause 14.2, the Implementing Partner shall manufacture or procure and transport all the Plant and Equipment in an expeditious and orderly manner to the Site.

21.2 CESL-Supplied Plant, Equipment, and Materials

If Appendix 6 (Scope of Works and Supply by the CESL) to the Contract Agreement provides that the CESL shall furnish any specific items of machinery, equipment or materials to the Implementing Partner, the following provisions shall apply:

21.2.1 The CESL shall, at its own risk and expense, transport each item to the place on or near the Site as agreed upon by the parties and make such item available to the Implementing Partner at the time specified in the program furnished by the Implementing Partner, pursuant to GCC Sub-Clause 18.2 (Program of Performance), unless otherwise mutually agreed.



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21.2.2 Upon receipt of such item, the Implementing Partner shall inspect the same visually and notify the Project Manager of any detected shortage, defect or default. The CESL shall immediately remedy any shortage, defect or default, or the Implementing Partner shall, if practicable and possible, at the request of the CESL, remedy such shortage, defect or default at the CESL's cost and expense. After inspection, such item shall fall under the care, custody and control of the Implementing Partner. The provision of this GCC Sub-Clause 21.2.2 shall apply to any item supplied to remedy any such shortage or defect or to substitute for any defective item, or shall apply to defective items that have been repaired.

21.2.3 The foregoing responsibilities of the Implementing Partner and its obligations of care, custody and control shall not relieve the CESL of liability for any undetected shortage, defect or default, nor place the Implementing Partner under any liability for any such shortage, defect or default whether under GCC Clause 27 (Defect Liability) or under any other provision of Contract.

21.3 Transportation

21.3.1 The Implementing Partner shall at its own risk and expense transport all the Plant and Equipment and the Implementing Partner's Equipment to the Site by the mode of transport that the Implementing Partner judges most suitable under all the circumstances.

Packing Material

The Contractor shall ensure that all the plant and equipment are suitably packed and protected to prevent damage or deterioration during its transportation to site, handling and storage at site till the time of its installation. The ownership of all such packing material (except empty shipper's containers on which the customs duty has been paid by the Contractor) shall stand transferred to the Employer upon dispatch of the plant and equipment and endorsement of dispatch documents in favour of the Employer.

21.3.2 Unless otherwise provided in the Contract, the Implementing Partner shall be entitled to select any safe mode of transport operated by any person to carry the Plant and Equipment and the Implementing Partner's Equipment.

21.3.3 Upon despatch of each shipment of the Plant and Equipment and the Implementing Partner's Equipment, the Implementing Partner shall notify the CESL by telex, cable, facsimile or Electronic Data Interchange (EDI) of the description of the Plant and Equipment and of the Implementing Partner's Equipment, the point and means of dispatch, and the estimated time and point of arrival in the country where the Site is located, if applicable, and at the Site. The Implementing Partner shall furnish the CESL with relevant shipping documents to be agreed upon between the parties.

21.3.4 The Implementing Partner shall be responsible for obtaining, if necessary, approvals from the authorities for transportation of the Plant and Equipment and the Implementing Partner's Equipment to the Site. The CESL shall use its best endeavors in a timely and expeditious manner to assist the Implementing Partner in obtaining such approvals, if requested by the Implementing Partner. The Implementing Partner shall indemnify and hold harmless the CESL from and against any claim for damage to roads, bridges or any other traffic facilities that may be caused by the transport of the Plant and Equipment and the Implementing Partner's Equipment to the Site.

21.4 Customs Clearance

The Implementing Partner shall, at its own expense, handle all imported Plant and Equipment and Implementing Partner's Equipment at the point(s) of import and shall handle any formalities for customs clearance, subject to the CESL's obligations under GCC Sub-Clause 14.2, provided that if applicable laws or regulations require any application or act to be made by or in the name of the CESL, the CESL shall take all necessary steps to comply with such laws or regulations. In the event of delays in customs clearance due to fault of the CESL, the Implementing Partner shall be entitled to an extension in the Time for Completion, pursuant to GCC Clause 40.

22. Installation

22.1 Setting Out/Supervision/Labour

22.1.1 Bench Mark: The Implementing Partner shall be responsible for the true and proper setting-out of the Facilities in relation to bench marks, reference marks and lines provided to it in writing by or on behalf of the CESL.

If, at any time during the progress of installation of the Facilities, any error shall appear in the position, level or alignment of the Facilities, the Implementing Partner shall forthwith notify the Project Manager of such error and, at



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its own expense, immediately rectify such error to the reasonable satisfaction of the Project Manager. If such error is based on incorrect data provided in writing by or on behalf of the CESL, the expense of rectifying the same shall be borne by the CESL.

22.1.2 Implementing Partner's Supervision: The Implementing Partner shall give or provide all necessary superintendence during the installation of the Facilities, and the Construction Manager or its deputy shall be constantly on the Site to provide full-time superintendence of the installation. The Implementing Partner shall provide and employ only technical personnel who are skilled and experienced in their respective callings and supervisory staff who are competent to adequately supervise the work at hand.

22.1.3 Labour:

- (a) The Implementing Partner shall provide and employ on the Site in the installation of the Facilities such skilled, semi-skilled and unskilled labor as is necessary for the proper and timely execution of the Contract. The Implementing Partner is encouraged to use local labor that has the necessary skills.
- (b) Unless otherwise provided in the Contract, the Implementing Partner shall be responsible for the recruitment, transportation, accommodation and catering of all labor, local or expatriate, required for the execution of the Contract and for all payments in connection therewith.
- (c) The Implementing Partner shall be responsible for obtaining all necessary permit(s) and/or visa(s) from the appropriate authorities for the entry of all labor and personnel to be employed on the Site into the country where the Site is located.
- (d) The Implementing Partner shall at its own expense provide the means of repatriation to all of its and its SubImplementing Partner's personnel employed on the Contract at the Site to their various home countries. It shall also provide suitable temporary maintenance of all such persons from the cessation of their employment on the Contract to the date programmed for their departure. In the event that the Implementing Partner defaults in providing such means of transportation and temporary maintenance, the CESL may provide the same to such personnel and recover the cost of doing so from the Implementing Partner.
- (e) The Implementing Partner shall at all times during the progress of the Contract use its best endeavors to prevent any unlawful, riotous or disorderly conduct or behavior by or amongst its employees and the labor of its SubImplementing Partners.
- (f) The Implementing Partner shall, in all dealings with its labor and the labor of its SubImplementing Partners currently employed on or connected with the Contract, pay due regard to all recognized festivals, official holidays, religious or other customs and all local laws and regulations pertaining to the employment of labor.

22.2 Contractor, Implementing Partner's Equipment

22.2.1 All Contractors or Implementing Partners' Equipment brought by the Implementing Partner onto the Site shall be deemed to be intended to be used exclusively for the execution of the Contract. The Implementing Partner shall not remove the same from the Site without the Project Manager's consent that such Implementing Partner's Equipment is no longer required for the execution of the Contract.

22.2.2 Unless otherwise specified in the Contract, upon completion of the Facilities, the Implementing Partner shall remove from the Site all Equipment brought by the Implementing Partner onto the Site and any surplus materials remaining thereon.

22.2.3 The CESL will, if requested, use its best endeavours to assist the Implementing Partner in obtaining any local, state or national government permission required by the Implementing Partner for the export of the Implementing Partner's Equipment imported by the Implementing Partner for use in the execution of the Contract that is no longer required for the execution of the Contract.

22.3 Site Regulations and Safety



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The CESL and the Implementing Partner shall establish Site regulations setting out the rules to be observed in the execution of the Contract at the Site and shall comply therewith. The Implementing Partner shall prepare and submit to the CESL, with a copy to the Project Manager, proposed Site regulations for the CESL's approval, which approval shall not be unreasonably withheld.

Such Site regulations shall include, but shall not be limited to, rules in respect of security, safety of the Facilities, gate control, sanitation, medical care, and fire prevention.

22.4 Opportunities for Other Implementing Partners

22.4.1 The Implementing Partner shall, upon written request from the CESL or the Project Manager, give all reasonable opportunities for carrying out the work to any other Implementing Partners employed by the CESL on or near the Site.

22.4.2 If the Implementing Partner, upon written request from the CESL or the Project Manager, makes available to other Implementing Partners any roads or ways the maintenance for which the Implementing Partner is responsible, permits the use by such other Implementing Partners of the Implementing Partner's Equipment, or provides any other service of whatsoever nature for such other Implementing Partners, the CESL shall fully compensate the Implementing Partner for any loss or damage caused or occasioned by such other Implementing Partners in respect of any such use or service, and shall pay to the Implementing Partner reasonable remuneration for the use of such equipment or the provision of such services.

22.4.3 The Implementing Partner shall also so arrange to perform its work as to minimize, to the extent possible, interference with the work of other Implementing Partners. The Project Manager shall determine the resolution of any difference or conflict that may arise between the Implementing Partner and other Implementing Partners and the workers of the CESL in regard to their work.

22.4.4 The Implementing Partner shall notify the Project Manager promptly of any defects in the other Implementing Partners' work that come to its notice, and that could affect the Implementing Partner's work. The Project Manager shall determine the corrective measures, if any, required to rectify the situation after inspection of the Facilities. Decisions made by the Project Manager shall be binding on the Implementing Partner.

22.5 Emergency Work

If, by reason of an emergency arising in connection with and during the execution of the Contract, any protective or remedial work is necessary as a matter of urgency to prevent damage to the Facilities, the Implementing Partner shall immediately carry out such work.

If the Implementing Partner is unable or unwilling to do such work immediately, the CESL may do or cause such work to be done as the CESL may determine is necessary in order to prevent damage to the Facilities. In such event the CESL shall, as soon as practicable after the occurrence of any such emergency, notify the Implementing Partner in writing of such emergency, the work done and the reasons therefor. If the work done or caused to be done by the CESL is work that the Implementing Partner was liable to do at its own expense under the Contract, the reasonable costs incurred by the CESL in connection therewith shall be paid by the Implementing Partner to the CESL. Otherwise, the cost of such remedial work shall be borne by the CESL.

22.6 Site Clearance

22.6.1 Site Clearance in Course of Performance: In the course of carrying out the Contract, the Implementing Partner shall keep the Site reasonably free from all unnecessary obstruction, store or remove any surplus materials, clear away any wreckage, rubbish or temporary works from the Site, and remove any Implementing Partner's Equipment no longer required for execution of the Contract.

22.6.2 Clearance of Site after Completion: After Completion of all parts of the Facilities, the Implementing Partner shall clear away and remove all wreckage, rubbish and debris of any kind from the Site, and shall leave the Site and Facilities clean and safe.

Disposal of Scrap

The Contractor shall with the agreement of the Employer promptly remove from the site any 'Scrap' generated during



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performance of any activities at site in pursuance of the Contract. The term 'Scrap' shall refer to scrap / waste / remnants arising out of the fabrication of structural steel work and piping work at the project site in the course of execution of the contract and shall also include any wastage of cables during the termination process while installing the cables.

The ownership of such Scrap shall vest with the Contractor except in cases where the items have been issued by the Employer from its stores for their installation only without any adjustment to the Contract Price. The removal of scrap shall be subject to the Contractor producing the necessary clearance from the relevant authorities (Custom, Excise etc.), if required by the law, in respect of disposal of the scrap. The liability for the payment of the applicable taxes/duties shall be that of the Contractor. Harmful scrap shall be disposed as per environmental statutory or other guidelines at contractor or implementing partner own cost.

The Contractor shall also indemnify to keep the Employer harmless from any act of omission or negligence on the part of the Contractor in following the statutory requirements with regard to removal/disposal of scrap. The Indemnity Bond shall be furnished by Contractor as per proforma enclosed in Section-VII (Forms and Procedure) as Form No. 14. Further, in case the laws require the Employer to take prior permission of the relevant Authorities before handing over the scrap to the Contractor, the same shall be obtained by the Contractor on behalf of the Employer.

However scrap generated in say replacement of pumps (i.e. old pumps as scrap) or any other scrap which is owned by CESL as per contract agreement, the same shall be disposed by CESL and CESL will get the payment. Contractor or Implementing Partner will co-ordinate with CESL and the agency picking up the scrap, for scrap disposal.

22.7 Watching and Lighting

The Implementing Partner shall provide and maintain at its own expense all lighting, fencing, and watching when and where necessary for the proper execution and the protection of the Facilities, or for the safety of the owners and occupiers of adjacent property and for the safety of the public.

22.8 Work at Night and on Holidays

22.8.1 Unless otherwise provided in the Contract, no work shall be carried out during the night and on public holidays of the country where the Site is located without prior written consent of the CESL, except where work is necessary or required to ensure safety of the Facilities or for the protection of life, or to prevent loss or damage to property, when the Implementing Partner shall immediately advise the Project Manager, provided that provisions of this GCC Sub-Clause 22.8.1 shall not apply to any work which is customarily carried out by rotary or double-shifts.

22.8.2 Notwithstanding GCC Sub-Clauses 22.8.1 or 22.1.3, if and when the Implementing Partner considers it necessary to carry out work at night or on public holidays so as to meet the Time for Completion and requests the CESL's consent thereto, the CESL shall not unreasonably withhold such consent.

23. Test and Inspection

23.1 The Implementing Partner shall at its own expense carry out at the place of manufacture and/or on the Site all such tests and/or inspections of the Plant and Equipment and any part of the Facilities as are specified in the Contract.

23.2 The CESL and the Project Manager or their designated representatives shall be entitled to attend the aforesaid test and/or inspection, provided that the CESL shall bear all costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.

23.3 Whenever the Implementing Partner is ready to carry out any such test and/or inspection, the Implementing Partner shall give a reasonable advance notice of such test and/or inspection and of the place and time thereof to the Project Manager. The Implementing Partner shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the CESL and the Project Manager (or their designated representatives) to attend the test and/or inspection.

23.4 The Implementing Partner shall provide the Project Manager with a certified report of the results of any such test and/or inspection.

If the CESL or Project Manager (or their designated representatives) fails to attend the test and/or inspection, or if it is agreed between the parties that such persons shall not do so, then the Implementing Partner may proceed



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with the test and/or inspection in the absence of such persons, and may provide the Project Manager with a certified report of the results thereof.

23.5 The Project Manager may require the Implementing Partner to carry out any test and/or inspection not required by the Contract, provided that the Implementing Partner's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of work on the Facilities and/or the Implementing Partner's performance of its other obligations under the Contract, due allowance will be made in respect of the Time for Completion and the other obligations so affected.

23.6 If any Plant and Equipment or any part of the Facilities fails to pass any test and/or inspection, the Implementing Partner shall either rectify or replace such Plant and Equipment or part of the Facilities and shall repeat the test and/or inspection upon giving a notice under GCC Sub-Clause 23.3.

23.7 If any dispute or difference of opinion shall arise between the parties in connection with or arising out of the test and/or inspection of the Plant and Equipment or part of the Facilities that cannot be settled between the parties within a reasonable period of time, it may be referred to the Adjudicator for determination in accordance with GCC Sub-Clause 6.1 (Adjudicator).

23.8 The Implementing Partner shall afford the CESL and the Project Manager, at the CESL's expense, access at any reasonable time to any place where the Plant and Equipment are being manufactured or the Facilities are being installed, in order to inspect the progress and the manner of manufacture or installation, provided that the Project Manager shall give the Implementing Partner a reasonable prior notice.

23.9 The Implementing Partner agrees that neither the execution of a test and/or inspection of Plant and Equipment or any part of the Facilities, nor the attendance by the CESL or the Project Manager, nor the issue of any test certificate pursuant to GCC Sub-Clause 23.4, shall release the Implementing Partner from any other responsibilities under the Contract.

23.10 No part of the Facilities or foundations shall be covered up on the Site without the Implementing Partner carrying out any test and/or inspection required under the Contract. The Implementing Partner shall give a reasonable notice to the Project Manager whenever any such part of the Facilities or foundations are ready or about to be ready for test and/or inspection; such test and/or inspection and notice thereof shall be subject to the requirements of the Contract.

23.11 The Implementing Partner shall uncover any part of the Facilities or foundations, or shall make openings in or through the same as the Project Manager may from time to time require at the Site, and shall reinstate and make good such part or parts.

If any part of the Facilities or foundations have been covered up at the Site after compliance with the requirement of GCC Sub-Clause 23.10 and are found to be executed in accordance with the Contract, the expenses of uncovering, making openings in or through, reinstating, and making good the same shall be borne by the CESL, and the Time for Completion shall be reasonably adjusted to the extent that the Implementing Partner has thereby been delayed or impeded in the performance of any of its obligations under the Contract.

24. Completion of the Facilities

24.1 As soon as the Facilities or any part thereof has, in the opinion of the Implementing Partner, been completed operationally and structurally and put in a tight and clean condition as specified in the Technical Specifications, excluding minor items not materially affecting the operation or safety of the Facilities, the Implementing Partner shall so notify the CESL in writing.

24.2 Within seven (7) days after receipt of the notice from the Implementing Partner under GCC Sub-Clause 24.1, the CESL shall supply the operating and maintenance personnel specified in Appendix 6 (Scope of Work and Supply by the CESL) to the Contract Agreement, required for Precommissioning of the Facilities or any part thereof.

Unless otherwise specified in the Technical Specifications, the CESL shall also provide, within the said seven (7) day period, the raw materials, utilities, lubricants, chemicals, catalysts, facilities, services and other matters required for Precommissioning of the Facilities or any part thereof.

24.3 As soon as reasonably practicable after the operating and maintenance personnel have been supplied by the CESL and the raw materials, utilities, lubricants, chemicals, catalysts, facilities, services and other matters, if so specified in Appendix 6 (Scope of Work and Supply by the CESL) / Technical Specifications, have been provided



by the CESL in accordance with GCC Sub-Clause 24.2, the Implementing Partner shall commence Precommissioning of the Facilities or the relevant part thereof in preparation for Commissioning.

24.4 As soon as all works in respect of Precommissioning are completed and, in the opinion of the Implementing Partner, the Facilities or any part thereof is ready for Commissioning, the Implementing Partner shall commence Commissioning as per procedures stipulated in Technical Specifications, and as soon as Commissioning is satisfactorily completed, the Implementing Partner shall so notify the Project Manager in writing.

24.5 The Project Manager shall, within fourteen (14) days after receipt of the Implementing Partner's notice under GCC Sub-Clause 24.4, either issue a Completion Certificate in the form specified in the Forms and Procedures section in the bidding documents, stating that the Facilities or that part thereof have reached Completion as at the date of the Implementing Partner's notice under GCC Sub-Clause 24.4, or notify the Implementing Partner in writing of any defects and/or deficiencies.

If the Project Manager notifies the Implementing Partner of any defects and/or deficiencies, the Implementing Partner shall then correct such defects and/or deficiencies, and shall repeat the procedure described in GCC Sub Clause 24.4.

If the Project Manager is satisfied that the Facilities or that part thereof have reached Completion, the Project Manager shall, within seven (7) days after receipt of the Implementing Partner's repeated notice, issue a Completion Certificate stating that the Facilities or that part thereof have reached Completion as at the date of the Implementing Partner's repeated notice.

If the Project Manager is not so satisfied, then it shall notify the Implementing Partner in writing of any defects and/or deficiencies within seven (7) days after receipt of the Implementing Partner's repeated notice, and the above procedure shall be repeated.

24.6 If the Project Manager fails to issue the Completion Certificate and fails to inform the Implementing Partner of any defects and/or deficiencies within fourteen (14) days after receipt of the Implementing Partner's notice under GCC Sub-Clause 24.4 or within seven (7) days after receipt of the Implementing Partner's repeated notice under GCC Sub-Clause 24.5, or if the CESL makes use of the Facilities or part thereof, then the Facilities or that part thereof shall be deemed to have reached Completion as of the date of the Implementing Partner's notice or repeated notice, or as of the CESL's use of the Facilities, as the case may be.

24.7 As soon as possible after Completion, the Implementing Partner shall complete all outstanding minor items so that the Facilities are fully in accordance with the requirements of the Contract, failing which the CESL will undertake such completion and deduct the costs thereof from any monies owing to the Implementing Partner.

24.8 Upon Completion, the CESL shall be responsible for the care and custody of the Facilities or the relevant part thereof, together with the risk of loss or damage thereto, and shall thereafter take over the Facilities or the relevant part thereof.

25. Commissioning, Guarantee Test and Operational Acceptance

25.1 Commissioning

25.1.1 Commissioning of the Facilities or any part thereof shall be completed by the Implementing Partner as per procedures detailed in the Technical Specifications.

The CESL shall, unless otherwise specified in Appendix 6 (Scope of Works and Supply by the CESL)/ Technical Specifications, supply the operating and maintenance personnel and all raw materials, utilities, lubricants, chemicals, catalysts, facilities, services and other matters required for Commissioning of the Facilities.

25.2 Guarantee Test (where ever applicable)

25.2.1 The Guarantee Test (and repeats thereof) shall be conducted by the Implementing Partner after Commissioning of the Facilities or the relevant part thereof to ascertain whether the Facilities or the relevant part can attain the Functional Guarantees specified in the Contract Documents. The Implementing Partner's and Project Manager's advisory personnel shall attend the Guarantee Test. The CESL shall promptly provide the Implementing Partner with such



information as the Implementing Partner may reasonably require in relation to the conduct and results of the Guarantee Test (and any repeats thereof).

25.2.2 If for reasons not attributable to the Implementing Partner, the Guarantee Test of the Facilities or the relevant part thereof cannot be successfully completed within the period from the date of Completion specified in the SCC or any other period agreed upon by the CESL and the Implementing Partner, the Implementing Partner shall be deemed to have fulfilled its obligations with respect to the Functional Guarantees, and GCC Sub-Clauses 28.2 and 28.3 shall not apply.

25.3 Operational Acceptance

25.3.1 Subject to GCC Sub-Clause 25.4 (Partial Acceptance) below, Operational Acceptance shall occur in respect of the Facilities or any part thereof when

- (a) the Guarantee Test has been successfully completed and the Functional Guarantees are met; or
- (b) the Guarantee Test has not been successfully completed or has not been carried out for reasons not attributable to the Implementing Partner within the period from the date of Completion specified in the SCC or any other agreed upon period as specified in GCC Sub-Clause 25.2.2 above, but successful Completion of the Facilities has been achieved; or
- (C) the Implementing Partner has paid the liquidated damages specified in GCC Sub-Clause 28.3 hereof; and
- (d) any minor items mentioned in GCC Sub-Clause 24.7 hereof relevant to the Facilities or that part thereof have been completed.

25.3.2 At any time after any of the events set out in GCC Sub-Clause 25.3.1 have occurred, the Implementing Partner may give a notice to the Project Manager requesting the issue of an Operational Acceptance Certificate in the form provided in the Bidding Documents or in another form acceptable to the CESL in respect of the Facilities or the part thereof specified in such notice as at the date of such notice.

25.3.3 The Project Manager shall, after consultation with the CESL, and within forty five (45) days after receipt of the Implementing Partner's notice, issue an Operational Acceptance Certificate.

25.3.4 If within forty five (45) days after receipt of the Implementing Partner's notice, the Project Manager fails to issue the Operational Acceptance Certificate or fails to inform the Implementing Partner in writing of the justifiable reasons why the Project Manager has not issued the Operational Acceptance Certificate, the Facilities or the relevant part thereof shall be deemed to have been accepted as at the date of the Implementing Partner's said notice.

25.4 Partial Acceptance

25.4.1 If the Contract specifies that Completion and Commissioning shall be carried out in respect of parts of the Facilities, the provisions relating to Completion and Commissioning including the Guarantee Test shall apply to each such part of the Facilities individually, and the Operational Acceptance Certificate shall be issued accordingly for each such part of the Facilities.

25.4.2 If a part of the Facilities comprises facilities such as buildings, for which no Commissioning or Guarantee Test is required, then the Project Manager shall issue the Operational Acceptance Certificate for such facility when it attains Completion, provided that the Implementing Partner shall thereafter complete any outstanding minor items that are listed in the Operational Acceptance Certificate.

F. Guarantees and Liabilities

26. Completion Time Guarantee

26.1 The Implementing Partner guarantees that it shall attain Completion of the Facilities (or a part for which a separate time for completion is specified in the SCC) within the Time for Completion specified in the SCC pursuant to GCC Sub-Clause 8.2, or within such extended time to which the Implementing Partner shall be entitled under GCC Clause 40 (Extension of Time for Completion) hereof.

26.2 If the Implementing Partner fails to attain Completion of the Facilities or any part thereof within the Time for Completion or any extension thereof under GCC Clause 40 (Extension of Time for Completion), the Implementing



Partner shall pay to the CESL liquidated damages in the amount computed at the rates specified in the SCC. The aggregate amount of such liquidated damages shall in no event exceed the amount specified as "Maximum" in the SCC. Once the "Maximum" is reached, the CESL may consider termination of the Contract, pursuant to GCC Sub-Clause 42.2.2.

Such payment shall completely satisfy the Implementing Partner's obligation to attain Completion of the Facilities or the relevant part thereof within the Time for Completion or any extension thereof under GCC Clause 40 (Extension of Time for Completion). The Implementing Partner shall have no further liability whatsoever to the CESL in respect thereof.

However, the payment of liquidated damages shall not in any way relieve the Implementing Partner from any of its obligations to complete the Facilities or from any other obligations and liabilities of the Implementing Partner under the Contract.

Save for liquidated damages payable under this GCC Sub-Clause 26.2, the failure by the Implementing Partner to attain any milestone or other act, matter or thing by any date specified in Appendix 4 (Time Schedule) to the Contract Agreement and/or other program of work prepared pursuant to GCC Clause 18 (Program of Performance) shall not render the Implementing Partner liable for any loss or damage thereby suffered by the CESL.

27. Defect Liability

27.1 The Implementing Partner warrants that the Facilities or any part thereof shall be free from defects in the design, engineering, materials and workmanship of the Plant and Equipment supplied and of the work executed.

27.2 The Defect Liability Period shall be eighteen (18) months from the date of Completion of the Facilities (or any part thereof) or twelve (12) months from the date of Operational Acceptance of the Facilities (or any part thereof), whichever first occurs, unless specified otherwise in the SCC.

If during the Defect Liability Period any defect should be found in the design, engineering, materials and workmanship of the Plant and Equipment supplied or of the work executed by the Implementing Partner, the Implementing Partner shall promptly, in consultation and agreement with the CESL regarding appropriate remedying of the defects, and at its cost, repair, replace or otherwise make good (as the Implementing Partner shall, at its discretion, determine) such defect as well as any damage to the Facilities caused by such defect. The Implementing Partner shall not be responsible for the repair, replacement or making good of any defect or of any damage to the Facilities arising out of or resulting from any of the following causes:

- (a) improper operation or maintenance of the Facilities by the CESL
- (b) operation of the Facilities outside specifications provided in the Contract.
- (c) Normal wear and tear.

27.3 The Implementing Partner's obligations under this GCC Clause 27 shall not apply to

- (a) any materials that are supplied by the CESL under GCC Sub-Clause 21.2 (CESL-Supplied Plant, Equipment and Materials), are normally consumed in operation, or have a normal life shorter than the Defect Liability Period stated herein.
- (b) any designs, specifications or other data designed, supplied or specified by or on behalf of the CESL or any matters for which the Implementing Partner has disclaimed responsibility herein.
- (c) any other materials supplied or any other work executed by or on behalf of the CESL, except for the work executed by the CESL under GCC Sub-Clause 27.7.

27.4 The CESL shall give the Implementing Partner a notice stating the nature of any such defect together with all available evidence thereof, promptly following the discovery thereof. The CESL shall afford all reasonable opportunity for the Implementing Partner to inspect any such defect.

27.5 The CESL shall afford the Implementing Partner all necessary access to the Facilities and the Site to enable the Implementing Partner to perform its obligations under this GCC Clause 27.

The Implementing Partner may, with the consent of the CESL, remove from the Site any Plant and Equipment or any



part of the Facilities that are defective if the nature of the defect, and/or any damage to the Facilities caused by the defect, is such that repairs cannot be expeditiously carried out at the Site.

27.6 If the repair, replacement or making good is of such a character that it may affect the efficiency of the Facilities or any part thereof, the CESL may give to the Implementing Partner a notice requiring that tests of the defective part of the Facilities shall be made by the Implementing Partner immediately upon completion of such remedial work, whereupon the Implementing Partner shall carry out such tests.

If such part fails the tests, the Implementing Partner shall carry out further repair, replacement or making good (as the case may be) until that part of the Facilities passes such tests. The tests in character shall in any case be not less than what has already been agreed by the CESL and the Implementing Partner for the original equipment/part of the Facilities.

27.7 If the Implementing Partner fails to commence the work necessary to remedy such defect or any damage to the Facilities caused by such defect within a reasonable time (which shall in no event be considered to be less than fifteen (15) days), the CESL may, following notice to the Implementing Partner, proceed to do such work, and the reasonable costs incurred by the CESL in connection therewith shall be paid to the CESL by the Implementing Partner or may be deducted by the CESL from any monies due to the Implementing Partner or claimed under the Performance Security.

27.8 If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the CESL because of any of the aforesaid reasons. Upon correction of the defects in the Facilities or any part thereof by repair/ replacement, such repair/replacement shall have the Defect Liability Period extended by a period of twelve (12) month from the time such replacement/ repair of the Facilities or any part thereof.

27.9 Except as provided in GCC Clauses 27 and 33 (Loss of or Damage to Property / Accident or Injury to Workers/Indemnification), the Implementing Partner shall be under no liability whatsoever and howsoever arising, and whether under the Contract or at law, in respect of defects in the Facilities or any part thereof, the Plant and Equipment, design or engineering or work executed that appear after Completion of the Facilities or any part thereof, except where such defects are the result of the gross negligence, fraud, criminal or wilful action of the Implementing Partner.

27.10 In addition, the Implementing Partner shall also provide an extended warranty for any such component of the Facilities and during the period of time as may be specified in the SCC. Such obligation shall be in addition to the defect liability specified under GCC Sub-Clause 27.2.

28. Functional Guarantees

28.1 The Implementing Partner guarantees that during the Guarantee Test, the Facilities and all parts thereof shall attain the Functional Guarantees specified in Appendix 8 (Functional Guarantees) to the Contract Agreement, subject to and upon the conditions therein specified.

28.2 If, for reasons attributable to the Implementing Partner, the guaranteed level of the Functional Guarantees specified in Appendix 8 (Functional Guarantees) to the Contract Agreement are not met either in whole or in part, the Implementing Partner shall, within a mutually agreed time, at its cost and expense make such changes, modifications and/or additions to the Plant or any part thereof as may be necessary to meet such Guarantees. The Implementing Partner shall notify the CESL upon completion of the necessary changes, modifications and/or additions, and shall seek the CESL's consent to repeat the Guarantee Test. If the specified Functional Guarantees are not established even during the repeat of the Guarantee Test, the CESL may at its option, either

- (a) Reject the Equipment and recover the payments already made, or
- (b) Terminate the Contract pursuant to GCC Sub-Clause 42.2.2 and recover the payments already made, or
- (c) Accept the equipment after levy of liquidated damages in accordance with the provisions specified in Appendix-8 (Functional Guarantees) to the Contract Agreement.

28.3 In case the CESL exercises its option to accept the equipment after levy of liquidated damages, the payment of liquidated damages under GCC Sub-Clause 28.2, up to the limitation of liability specified in the Appendix-8 (Functional Guarantees) to the Contract Agreement, shall completely satisfy the Implementing Partner's guarantees



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under GCC Sub-Clause 28.2, and the Implementing Partner shall have no further liability whatsoever to the CESL in respect thereof. Upon the payment of such liquidated damages by the Implementing Partner, the Project Manager shall issue the Operational Acceptance Certificate for the Facilities or any part thereof in respect of which the liquidated damages have been so paid.

29. Patent Indemnity

29.1 The Implementing Partner shall, subject to the CESL's compliance with GCC Sub-Clause 29.2, indemnify and hold harmless the CESL and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, which the CESL may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright or other intellectual property right registered or otherwise existing at the date of the Contract by reason of: (a) the installation of the Facilities by the Implementing Partner or the use of the Facilities in the country where the Site is located; and (b) the sale of the products produced by the Facilities in any country.

Such indemnity shall not cover any use of the Facilities or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, any infringement resulting from the use of the Facilities or any part thereof, or any products produced thereby in association or combination with any other equipment, plant or materials not supplied by the Implementing Partner, pursuant to the Contract Agreement.

29.2 If any proceedings are brought or any claim is made against the CESL arising out of the matters referred to in GCC Sub-Clause 29.1, the CESL shall promptly give the Implementing Partner a notice thereof, and the Implementing Partner may at its own expense and in the CESL's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

If the Implementing Partner fails to notify the CESL within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the CESL shall be free to conduct the same on its own behalf. Unless the Implementing Partner has so failed to notify the CESL within the twenty-eight (28) day period, the CESL shall make no admission that may be prejudicial to the defense of any such proceedings or claim.

The CESL shall, at the Implementing Partner's request, afford all available assistance to the Implementing Partner in conducting such proceedings or claim, and shall be reimbursed by the Implementing Partner for all reasonable expenses incurred in so doing.

29.3 The CESL shall indemnify and hold harmless the Implementing Partner and its employees, officers and Sub-Implementing Partners from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, which the Implementing Partner may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the CESL.

30. Limitation of Liability

30.1 Except in cases of criminal negligence or wilful misconduct,

- (a) the Implementing Partner shall not be liable to the CESL, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Implementing Partner to pay liquidated damages to the CESL and
- (b) the aggregate liability of the Implementing Partner to the CESL, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to any obligation of the Implementing Partner to indemnify the CESL with respect to patent infringement or as specified in SCC.

G. Risk Distribution

31. Transfer of Ownership

31.1 Ownership of the Plant and Equipment (including spare parts) procured in the country where the Site is located shall be transferred to the CESL when the Plant and Equipment are reached at site.



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31.2 Ownership of the Implementing Partner's Equipment used by the Implementing Partner and its SubImplementing Partners in connection with the Contract shall remain with the Implementing Partner or its SubImplementing Partners.

31.3 Ownership of any Plant and Equipment in excess of the requirements for the Facilities shall revert to the Implementing Partner upon Completion of the Facilities or at such earlier time when the CESL and the Implementing Partner agree that the Plant and Equipment in question are no longer required for the Facilities, provided quantity of any Plant and Equipment specifically stipulated in the Contract shall be the property of the CESL whether or not incorporated in the Facilities.

31.4 Disposal of surplus material

Ownership of any Plant and Equipment in excess of the requirements for the Facilities (i.e. surplus material) shall revert to the Contractor upon Completion of the Facilities and Guarantee Test or at such earlier time when the Employer and the Contractor agree that the Plant and Equipment in question are no longer required for the Facilities, provided quantity of any Plant and Equipment specifically stipulated in the Contract shall be the property of the Employer whether or not incorporated in the Facilities. The Contractor shall remove from the site such surplus material brought by him in pursuance of the Contract, subject to the Contractor producing the necessary clearance from the relevant authorities (Customs, Excise etc.), if required by law, in respect of re-export or disposal of the surplus material locally. The liability for the payment of the applicable taxes/ duties, if any, on the surplus material so re-exported and/or disposed locally shall be that of the Contractor.

The Contractor shall also indemnify to keep the Employer harmless from any act of omission or negligence on the part of the Contractor in following the statutory requirements with regard to removal / disposal of surplus material. The Indemnity Bond shall be furnished by contractor as per proforma enclosed in Section-VII (Forms and Procedure) as Form No. 14. Further, in case the laws require the Employer to take prior permission of the relevant Authorities before handing over the surplus material to the Contractor, the same shall be obtained by the Contractor on behalf of the Employer.

31.5 Notwithstanding the transfer of ownership of the Plant and Equipment, the responsibility for care and custody thereof together with the risk, of loss or damage thereto shall remain with the Implementing Partner pursuant to GCC Clause 32 (Care of Facilities) hereof until Completion of the Facilities or the part thereof in which such Plant and Equipment are incorporated.

31.5 In case of two/three Contracts entered into between the CESL and the Implementing Partner as per GCC Sub-Clause 3.6 or where the CESL hands over his equipment to the Implementing Partner for executing the Contract, then the Implementing Partner shall at the time of taking delivery of the Equipment through Bill of Lading or other despatch documents furnish Trust Receipt for Plant, Equipment and Materials and also execute an Indemnity Bond in favour of the CESL in the form acceptable to CESL for keeping the equipment in safe custody and to utilise the same exclusively for the purpose of the said Contract. Proforma for the Trust Receipt and Indemnity bond. The CESL shall also issue a separate Authorisation Letter to the Implementing Partner to enable him to take physical delivery of plant, equipment and materials from the CESL.

32 Care of Facilities

32.1 The Implementing Partner shall be responsible for the care and custody of the Facilities or any part thereof until the date of Completion of the Facilities pursuant to GCC Clause 24 (Completion of the Facilities) or, where the Contract provides for Completion of the Facilities in parts, until the date of Completion of the relevant part, and shall make good at its own cost any loss or damage that may occur to the Facilities or the relevant part thereof from any cause whatsoever during such period. The Implementing Partner shall also be responsible for any loss or damage to the Facilities caused by the Implementing Partner or its SubImplementing Partners in the course of any work carried out, pursuant to GCC Clause 27 (Defect Liability). Notwithstanding the foregoing, the Implementing Partner shall not be liable for any loss or damage to the Facilities or that part thereof caused by reason of any of the matters specified or referred to in paragraphs (a), (b) and (c) of GCC Sub-Clauses 32.2 and 38.1.

32.2 If any loss or damage occurs to the Facilities or any part thereof or to the Implementing Partner's temporary facilities by reason of

- (a) (insofar as they relate to the country where the Site is located) nuclear reaction, nuclear radiation,



radioactive contamination, pressure wave caused by aircraft or other aerial objects, or any other occurrences that an experienced Implementing Partner could not reasonably foresee, or if reasonably foreseeable could not reasonably make provision for or insure against, insofar as such risks are not normally insurable on the insurance market and are mentioned in the general exclusions of the policy of insurance, including War Risks and Political Risks, taken out under GCC Clause 34 (Insurance) hereof.

- (b) any use or occupation by the CESL or any third party (other than a SubImplementing Partner) authorized by the CESL of any part of the Facilities.
- (c) any use of or reliance upon any design, data or specification provided or designated by or on behalf of the CESL, or any such matter for which the Implementing Partner has disclaimed responsibility herein,

the CESL shall pay to the Implementing Partner all sums payable in respect of the Facilities executed, notwithstanding that the same be lost, destroyed or damaged, and will pay to the Implementing Partner the replacement value of all temporary facilities and all parts thereof lost, destroyed or damaged. If the CESL requests the Implementing Partner in writing to make good any loss or damage to the Facilities thereby occasioned, the Implementing Partner shall make good the same at the cost of the CESL in accordance with GCC Clause 39 (Change in the Facilities). If the CESL does not request the Implementing Partner in writing to make good any loss or damage to the Facilities thereby occasioned, the CESL shall either request a change in accordance with GCC Clause 39 (Change in the Facilities), excluding the performance of that part of the Facilities thereby lost, destroyed or damaged, or, where the loss or damage affects a substantial part of the Facilities, the CESL shall terminate the Contract pursuant to GCC Sub-Clause 42.1 (Termination for CESL's Convenience) hereof, except that the Implementing Partner shall have no entitlement to profit under paragraph (e) of GCC Sub-Clause 42.1.3 in respect of any unexecuted Facilities as at the date of termination.

32.3 The Implementing Partner shall be liable for any loss of or damage to any Implementing Partner's Equipment, or any other property of the Implementing Partner used or intended to be used for purposes of the Facilities, except (i) as mentioned in GCC Sub-Clause 32.2 (with respect to the Implementing Partner's temporary facilities), and (ii) where such loss or damage arises by reason of any of the matters specified in GCC Sub-Clauses 32.2(b) and (c) and 38.1.

32.3 With respect to any loss or damage caused to the Facilities or any part thereof or to the Implementing Partner's Equipment by reason of any of the matters specified in GCC Sub-Clause 38.1, the provisions of GCC Sub-Clause 38.3 shall apply.

33 Loss of or Damage to Property; Accident or Injury to workers; Indemnification

33.1 Subject to GCC Sub - Clause 33.3, the Implementing Partner shall indemnify and hold harmless the CESL and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, in respect of the death or injury of any person or loss of or damage to any property (other than the Facilities whether accepted or not), arising in connection with the supply and installation of the Facilities and by reason of the negligence of the Implementing Partner or its SubImplementing Partners, or their employees, officers or agents, except any injury, death or property damage caused by the negligence of the CESL, its Implementing Partners, employees, officers or agents.

33.2 If any proceedings are brought or any claim is made against the CESL that might subject the Implementing Partner to liability under GCC Sub-Clause 33.1, the CESL shall promptly give the Implementing Partner a notice thereof and the Implementing Partner may at its own expense and in the CESL's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

If the Implementing Partner fails to notify the CESL within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the CESL shall be free to conduct the same on its own behalf. Unless the Implementing Partner has so failed to notify the CESL within the twenty-eight (28) day period, the CESL shall make no admission that may be prejudicial to the defense of any such proceedings or claim.

The CESL shall, at the Implementing Partner's request, afford all available assistance to the Implementing Partner in conducting such proceedings or claim, and shall be reimbursed by the Implementing Partner for all reasonable expenses incurred in so doing.

33.3 The CESL shall indemnify and hold harmless the Implementing Partner and its employees, officers and SubImplementing Partners from any liability for loss of or damage to property of the CESL, other than the Facilities not yet taken over, that is caused by fire, explosion or any other perils, in excess of the amount recoverable from insurances procured under GCC Clause 34 (Insurances), provided that such fire, explosion or other perils were not caused by any act or failure of the Implementing Partner.



33.4 The party entitled to the benefit of an indemnity under this GCC Clause 33 shall take all reasonable measures to mitigate any loss or damage which has occurred. If the party fails to take such measures, the other party's liabilities shall be correspondingly reduced.

34 Insurance

34.1 To the extent specified in Appendix 3 (Insurance Requirements) to the Contract Agreement, the Implementing Partner shall at its expense take out and maintain in effect, or cause to be taken out and maintained in effect, during the performance of the Contract, the insurances set forth below in the sums and with the deductibles and other conditions specified in the said Appendix. The identity of the insurers and the form of the policies shall be subject to the approval of the CESL, who should not Unreasonably withhold such approval.

(a) Cargo Insurance During Transport

Covering loss or damage occurring while in transit from the Implementing Partner's or SubImplementing Partner's works or stores until arrival at the Site, to the Plant and Equipment (including spare parts therefor) and to the Implementing Partner's Equipment.

(b) Installation All Risks Insurance

Covering physical loss or damage to the Facilities at the Site, occurring prior to Completion of the Facilities, with an extended maintenance coverage for the Implementing Partner's liability in respect of any loss or damage occurring during the Defect Liability Period while the Implementing Partner is on the Site for the purpose of performing its obligations during the Defect Liability Period.

(c) Third Party Liability Insurance

Covering bodily injury or death suffered by third parties (including the CESL's personnel) and loss of or damage to property occurring in connection with the supply and installation of the Facilities.

(d) Automobile Liability Insurance

Covering use of all vehicles used by the Implementing Partner or its SubImplementing Partners (whether or not owned by them) in connection with the execution of the Contract.

(e) Workers' Compensation

In accordance with the statutory requirements applicable in any country where the Contract or any part thereof is executed.

(f) CESL's Liability

In accordance with the statutory requirements applicable in any country where the Contract or any part thereof is executed.

(g) Other Insurances

Such other insurances as may be specifically agreed upon by the parties hereto as listed in the said Appendix 3.

34.2 The CESL shall be named as co-insured under all insurance policies taken out by the Implementing Partner pursuant to GCC Sub-Clause 34.1, except for the Third Party Liability, Workers' Compensation and CESL's Liability Insurances, and the Implementing Partner's SubImplementing Partners shall be named as co-insured's under all insurance policies taken out by the Implementing Partner pursuant to GCC Sub-Clause 34.1 except for the Cargo Insurance During Transport, Workers' Compensation and CESL's Liability Insurances. All insurers' rights of subrogation against such co-insured's for losses or claims arising out of the performance of the Contract shall be waived under such policies.

34.3 The Implementing Partner shall, in accordance with the provisions of Appendix 3 (Insurance Requirements) to the Contract Agreement, deliver to the CESL certificates of insurance (or copies of the insurance policies) as evidence that the required policies are in full force and effect. The certificates shall provide that no less than twenty-one (21) days' notice shall be given to the CESL by insurers prior to cancellation or material modification of a policy.

34.4 The Implementing Partner shall ensure that, where applicable, its SubImplementing Partner(s) shall take out and maintain in effect adequate insurance policies for their personnel and vehicles and for work executed by them under the Contract, unless such SubImplementing Partners are covered by the policies taken out by the Implementing Partner.



34.5 The CESL shall at its expense take out and maintain in effect during the performance of the Contract those insurances specified in Appendix 3 (Insurance Requirements) to the Contract Agreement.

34.6 If the Implementing Partner fails to take out and/or maintain in effect the insurances referred to in GCC Sub-Clause 34.1, the CESL may take out and maintain in effect any such insurances and may from time to time deduct from any amount due the Implementing Partner under the Contract any premium that the CESL shall have paid to the insurer, or may otherwise recover such amount as a debt due from the Implementing Partner. If the CESL fails to take out and/or maintain in effect the insurances referred to in GCC 34.5, the Implementing Partner may take out and maintain in effect any such insurances and may from time to time deduct from any amount due the CESL under the Contract any premium that the Implementing Partner shall have paid to the insurer, or may otherwise recover such amount as a debt due from the CESL. If the Implementing Partner fails to or is unable to take out and maintain in effect any such insurances, the Implementing Partner shall nevertheless have no liability or responsibility towards the CESL, and the Implementing Partner shall have full recourse against the CESL for any and all liabilities of the CESL herein.

34.7 Unless otherwise provided in the Contract, the Implementing Partner shall prepare and conduct all and any claims made under the policies effected by it pursuant to this GCC Clause 34, and all monies payable by any insurers shall be paid to the Implementing Partner as per the procedure outlined in GCC Sub-Clause 34.8 below. The CESL shall give to the Implementing Partner all such reasonable assistance as may be required by the Implementing Partner. With respect to insurance claims in which the CESL's interest is involved, the Implementing Partner shall not give any release or make any compromise with the insurer without the prior written consent of the CESL. With respect to insurance claims in which the Implementing Partner's interest is involved, the CESL shall not give any release or make any compromise with the insurer without the prior written consent of the Implementing Partner.

34.8 (i) wherever total damages/loss of equipment/material, would occur, the Implementing Partner will be entitled to payment of all payments received from the underwriters except the following amounts:

- (a) The amount paid to the Implementing Partner under the Contract in respect of equipment/material damaged/lost (excluding the pro-rata initial advance) but including the entire amount of escalation, if any, already paid to the Contractor.
- (b) Custom Duties and other taxes and duties which have already been paid by the CESL.

In the event the claim money settled, is less than the total of the amount in a & b above, then the entire claim money settled will be retained by the CESL and the Implementing Partner will forth-with pay the CESL the short fall amount between the claim money and the total of amounts as per a & b mentioned above. Subsequent payments, if any, due under the Contract shall be regulated by the relevant terms of payment.

(II) In case of damage to any equipment/material during any stage, the Implementing Partner upon rectification of the damaged equipment to the satisfaction of the CESL shall be paid to the extent of full claims settled by the underwriters.

35 Unforeseen Conditions

35.1 If, during the execution of the Contract, the Implementing Partner shall encounter on the Site any physical conditions (other than climatic conditions) or artificial obstructions that could not have been reasonably foreseen prior to the date of the Contract Agreement by an experienced Implementing Partner on the basis of reasonable examination of the data relating to the Facilities (including any data as to boring tests) provided by the CESL, and on the basis of information that it could have obtained from a visual inspection of the Site (if access thereto was available) or other data readily available to it relating to the Facilities, and if the Implementing Partner determines that it will in consequence of such conditions or obstructions incur additional cost and expense or require additional time to perform its obligations under the Contract that would not have been required if such physical conditions or artificial obstructions had not been encountered, the Implementing Partner shall promptly, and before performing additional work or using additional Plant and Equipment or Implementing Partner's Equipment, notify the Project Manager in writing of

- a) the physical conditions or artificial obstructions on the Site that could not have been reasonably foreseen.



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- b) the additional work and/or Plant and Equipment and/or Implementing Partner's Equipment required, including the steps which the Implementing Partner will or proposes to take to overcome such conditions or obstructions.
- c) the extent of the anticipated delay.
- d) the additional cost and expense that the Implementing Partner is likely to incur.

On receiving any notice from the Implementing Partner under this GCC Sub-Clause 35.1, the Project Manager shall promptly consult with the CESL and Implementing Partner and decide upon the actions to be taken to overcome the physical conditions or artificial obstructions encountered. Following such consultations, the Project Manager shall instruct the Implementing Partner, with a copy to the CESL, of the actions to be taken.

35.2 Any reasonable additional cost and expense incurred by the Implementing Partner in following the instructions from the Project Manager to overcome such physical conditions or artificial obstructions referred to in GCC Sub-Clause 35.1 shall be paid by the CESL to the Implementing Partner as an addition to the Contract Price.

35.3 If the Implementing Partner is delayed or impeded in the performance of the Contract because of any such physical conditions or artificial obstructions referred to in GCC Sub-Clause 35.1, the Time for Completion shall be extended in accordance with GCC Clause 40 (Extension of Time for Completion).

36 Change in Laws and Regulations

36.1 If, after the date seven (7) days prior to the date of Bid submission, in the country where the Site is located, any law, regulation, ordinance, order or by-law having the force of law is enacted, promulgated, abrogated or changed (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the costs and expenses of the Implementing Partner and/or the Time for Completion, the Contract Price shall be correspondingly increased or decreased, and/or the Time for Completion shall be reasonably adjusted to the extent that the Implementing Partner has thereby been affected in the performance of any of its obligations under the Contract. However, these adjustments would be restricted to direct transactions between the CESL and the Implementing Partner/Assignee of Foreign Implementing Partner (if applicable). These adjustments shall not be applicable on procurement of raw materials, intermediary components etc. by the Implementing Partner/Assignee of Foreign Implementing Partner and shall also not be applicable on bought out items despatched directly from sub-vendor works to site. Further, no adjustment of the Contract Price and/or payment or reimbursement of taxes, duties or levies shall be made on account of variation in or withdrawal of Deemed Export benefits. Notwithstanding the foregoing, such additional or reduced costs shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with the Appendix 2 to the Contract Agreement.

37 Force Majeure

37.1 "Force Majeure" shall mean any event beyond the reasonable control of the CESL or of the Implementing Partner, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected.

37.2 If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances thereof within fourteen (14) days after the occurrence of such event.

37.3 The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed. The Time for Completion shall be extended in accordance with GCC Clause 40 (Extension of Time for Completion).

37.4 The party or parties affected by the event of Force Majeure shall use reasonable efforts to mitigate the effect thereof upon its or their performance of the Contract and to fulfil its or their obligations under the Contract, but without prejudice to either party's right to terminate the Contract under GCC Sub-Clauses 37.6 and 38.5.

37.5 No delay or non performance by either party hereto caused by the occurrence of any event of Force Majeure shall

- a) constitute a default or breach of the Contract
- b) (subject to GCC Sub-Clauses 32.2, 38.3 and 38.4) give rise to any claim for damages or additional cost or



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expense occasioned thereby

If and to the extent that such delay or non performance is caused by the occurrence of an event of Force Majeure.

37.6 If the performance of the Contract is substantially prevented, hindered or delayed for a single period of more than sixty (60) days or an aggregate period of more than one hundred and twenty (120) days on account of one or more events of Force Majeure during the currency of the Contract, the parties will attempt to develop a mutually satisfactory solution, failing which the dispute shall be resolved in accordance with GCC Clause 6.

37.7 Notwithstanding GCC Sub-Clause 37.5, Force Majeure shall not apply to any obligation of the CESL to make payments to the Implementing Partner herein.

38 War Risks

38.1 "War Risks" shall mean any of the following events occurring or existing in or near the country (or countries) where the Site is located:

- a) war, hostilities or warlike operations (whether a state of war is declared or not), invasion, act of foreign enemy and civil war
- b) rebellion, revolution, insurrection, mutiny, usurpation of civil or military government, conspiracy, riot, civil commotion and terrorist acts, and
- c) any explosion or impact of any mine, bomb, shell, grenade or other projectile, missile, munitions or explosive of war.

38.2 Notwithstanding anything contained in the Contract, the Implementing Partner shall have no liability whatsoever for or with respect to

- a) destruction of or damage to Facilities, Plant & Equipment, or any part thereof
- b) destruction of or damage to property of the CESL or any third party
- c) injury or loss of life

if such destruction, damage, injury or loss of life is caused by any War Risks, and the CESL shall indemnify and hold the Implementing Partner harmless from and against any and all claims, liabilities, actions, lawsuits, damages, costs, charges or expenses arising in consequence of or in connection with the same.

38.3 If the Facilities or any Plant and Equipment or Implementing Partner's Equipment or any other property of the Implementing Partner used or intended to be used for the purposes of the Facilities shall sustain destruction or damage by reason of any War Risks, the CESL shall pay the Implementing Partner for

- a) any part of the Facilities or the Plant and Equipment so destroyed or damaged (to the extent not already paid for by the CESL)
- b) replacing or making good any Implementing Partner's Equipment or other property of the Implementing Partner so destroyed or damaged so far as may be required by the CESL, and as may be necessary for completion of the Facilities,
- c) replacing or making good any such destruction or damage to the Facilities or the Plant and Equipment or any part thereof.

If the CESL does not require the Implementing Partner to replace or make good any such destruction or damage to the Facilities, the CESL shall either request a change in accordance with GCC Clause 39 (Change in the Facilities), excluding the performance of that part of the Facilities thereby destroyed or damaged or, where the loss, destruction or damage affects a substantial part of the Facilities, shall terminate the Contract, pursuant to GCC Sub-Clause 42.1 (Termination for CESL's Convenience).

38.4 Notwithstanding anything contained in the Contract, the CESL shall pay the Implementing Partner for any increased costs or incidentals to the execution of the Contract that are in any way attributable to, consequent on, resulting from, or in any way connected with any War Risks, provided that the Implementing Partner shall as soon as



practicable notify the CESL in writing of any such increased cost.

38.5 If during the performance of the Contract any War Risks shall occur that financially or otherwise materially affect the execution of the Contract by the Implementing Partner, the Implementing Partner shall use its reasonable efforts to execute the Contract with due and proper consideration given to the safety of its and its SubImplementing Partners' personnel engaged in the work on the Facilities, provided, however, that if the execution of the work on the Facilities becomes impossible or is substantially prevented for a single period of more than sixty (60) days or an aggregate period of more than one hundred and twenty (120) days on account of any War Risks, the parties will attempt to develop a mutually satisfactory solution, failing which the dispute will be resolved in accordance with GCC Clause 6.

38.6 In the event of termination pursuant to GCC Sub-Clauses 38.3, the rights and obligations of the CESL and the Implementing Partner shall be specified in GCC Sub-Clauses 42.1.2 and 42.1.3, except that the Implementing Partner shall have no entitlement to profit under paragraph (e) of GCC Sub-Clause 42.1.3 in respect of any unexecuted Facilities as of the date of termination.

H. Change in Contract Element

39.1 Changes in the Facilities

39.1.1 The CESL shall have the right to propose, and subsequently require, that the Project Manager order the Implementing Partner from time to time during the performance of the Contract to make any change, modification, addition or deletion to, in or from the Facilities (hereinafter called "Change"), provided that such Change falls within the general scope of the Facilities and does not constitute unrelated work and that it is technically practicable, taking into account both the state of advancement of the Facilities and the technical compatibility of the Change envisaged with the nature of the Facilities as specified in the Contract .

39.1.2 The Implementing Partner may from time to time during its performance of the Contract propose to the CESL (with a copy to the Project Manager) any Change that the Implementing Partner considers necessary or desirable to improve the quality, efficiency or safety of the Facilities. The CESL may at its discretion approve or reject any Change proposed by the Implementing Partner.

39.1.3 Notwithstanding GCC Sub-Clauses 39.1.1 and 39.1.2, no change made necessary because of any default of the Implementing Partner in the performance of its obligations under the Contract shall be deemed to be a Change, and such change shall not result in any adjustment of the Contract Price or the Time for Completion.

39.1.4 The procedure on how to proceed with and execute Changes is specified in GCC Sub-Clauses 39.2 and 39.3.

39.2 Changes Originating from CESL

If the CESL proposes a Change pursuant to GCC Sub-Clause 39.1.1, it shall send to the Implementing Partner a "Request for Change Proposal," requiring the Implementing Partner to prepare and furnish to the Project Manager as soon as reasonably practicable a "Change Proposal," which shall include the following:

- a) brief description of the Change
- b) effect on the Time for Completion
- c) estimated cost of the Change
- d) effect on Functional Guarantees (if any)
- e) effect on any other provisions of the Contract.

39.2.2 The pricing of any Change shall, as far as practicable, be calculated in accordance with the rates and prices included in the Contract. If the rates and prices of any change are in the Contract, the parties thereto shall agree on specific rates for the valuation of the Change.

39.2.3 If before or during the preparation of the Change Proposal it becomes apparent that the aggregate effect of compliance therewith and with all other Change Orders that have already become binding upon the Implementing Partner under this GCC Clause 39 would be to increase or decrease the Contract Price as originally set forth in Article 2 (Contract Price) of the Contract Agreement by more than fifteen (15) percent, the Implementing Partner may give a written notice of objection thereto prior to furnishing the Change Proposal as aforesaid. If the CESL accepts the Implementing Partner's objection, the CESL and the Implementing Partner shall agree on specific rates for valuation of the change.

39.2.4 Upon receipt of the Change Proposal, the CESL and the Implementing Partner shall mutually agree upon all matters therein contained including agreement on rates if such rates are not available in the Contract or if the limit of



15% set forth in Clause 39.2.3 has been exceeded. Within fourteen (14) days after such agreement, the CESL shall, if it intends to proceed with the Change, issue the Implementing Partner with a Change Order.

If the CESL is unable to reach a decision within fourteen (14) days, it shall notify the Implementing Partner with details of when the Implementing Partner can expect a decision.

If the CESL decides not to proceed with the Change for whatever reason, it shall, within the said period of fourteen (14) days, notify the Implementing Partner accordingly.

39.2.5 If the CESL and the Implementing Partner cannot reach agreement on the price for the Change, an equitable adjustment to the Time for Completion, or any other matters identified in the Change Proposal, the CESL may nevertheless instruct the Implementing Partner to proceed with the Change by issue of a "Pending Agreement Change Order."

Upon receipt of a Pending Agreement Change Order, the Implementing Partner shall immediately proceed with effecting the Changes covered by such Order. The parties shall thereafter attempt to reach agreement on the outstanding issues under the Change Proposal.

39.3 Changes Originating from Implementing Partner

39.3.1 If the Implementing Partner proposes a Change pursuant to GCC Sub-Clause 39.1.2, the Implementing Partner shall submit to the Project Manager a written "Application for Change Proposal," giving reasons for the proposed Change and including the information specified in GCC Sub-Clause 39.2.1.

Upon receipt of the Application for Change Proposal, the parties shall follow the procedures outlined in GCC Sub-Clauses 39.2.4 and 39.2.5

40. Extension of Time for Completion

40.1 The Time(s) for Completion specified in the SCC shall be extended if the Implementing Partner is delayed or impeded in the performance of any of its obligations under the Contract by reason of any of the following:

- a) any Change in the Facilities as provided in GCC Clause 39 (Change in the Facilities)
- b) any occurrence of Force Majeure as provided in GCC Clause 37 (Force Majeure), unforeseen conditions as provided in GCC Clause 35 (Unforeseen Conditions), or other occurrence of any of the matters specified or referred to in paragraphs (a), (b) and (c) of GCC Sub-Clause 32.2
- c) any suspension order given by the CESL under GCC Clause 41 (Suspension) hereof or reduction in the rate of progress pursuant to GCC Sub-Clause 41.2 or
- d) any changes in laws and regulations as provided in GCC Clause 36 (Change in Laws and Regulations) or
- e) any default or breach of the Contract by the CESL, specifically including failure to supply the items listed in Appendix 6 (Scope of Works and Supply by the CESL) to the Contract Agreement, or any activity, act or omission of any other Implementing Partners employed by the CESL or
- f) any other matter specifically mentioned in the Contract;

by such period as shall be fair and reasonable in all the circumstances and as shall fairly reflect the delay or impediment sustained by the Implementing Partner.

40.2 Except where otherwise specifically provided in the Contract, the Implementing Partner shall submit to the Project Manager a notice of a claim for an extension of the Time for Completion, together with particulars of the event or circumstance justifying such extension as soon as reasonably practicable after the commencement of such event or circumstance. As soon as reasonably practicable after receipt of such notice and supporting particulars of the claim, the CESL and the Implementing Partner shall agree upon the period of such extension. In the event that the Implementing Partner does not accept the CESL's estimate of a fair and reasonable time extension, the Implementing Partner shall be entitled to refer the matter to the Adjudicator, pursuant to GCC Sub-Clause 6.1 (Adjudicator).

40.3 The Implementing Partner shall at all times use its reasonable efforts to minimize any delay in the performance



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of its obligations under the Contract.

41 Suspension

41.1 The CESL/ Project Manager may, by notice to the Implementing Partner, order the Implementing Partner to suspend performance of any or all of its obligations under the Contract. Such notice shall specify the obligation of which performance is to be suspended, the effective date of the suspension and the reasons therefore. The Implementing Partner shall thereupon suspend performance of such obligation (except those obligations necessary for the care or preservation of the Facilities) until ordered in writing to resume such performance by the Project Manager/ CESL.

If, by virtue of a suspension order given by the Project Manager/ CESL other than by reason of the Implementing Partner's default or breach of the Contract, the Implementing Partner's performance of any of its obligations is suspended for an aggregate period of more than ninety (90) days, then at any time thereafter and provided that at that time such performance is still suspended, the Implementing Partner may give a notice to the Project Manager requiring that the CESL shall, within twenty-eight (28) days of receipt of the notice, order the resumption of such performance or request and subsequently order a change in accordance with GCC Clause 39 (Change in the Facilities), excluding the performance of the suspended obligations from the Contract.

If the CESL fails to do so within such period, the Implementing Partner may, by a further notice to the Project Manager, elect to treat the suspension, where it affects a part only of the Facilities, as a deletion of such part in accordance with GCC Clause 39 (Change in the Facilities) or, where it affects the whole of the Facilities, as termination of the Contract under GCC Sub-Clause 42.1 (Termination for CESL's Convenience).

41.2 If

- a) the CESL has failed to pay the Implementing Partner any sum due under the Contract within the specified period, has failed to approve any invoice or supporting documents without just cause pursuant to Appendix 1 (Terms and Procedures of Payment) to the Contract Agreement, or commits a substantial breach of the Contract, the Implementing Partner may give a notice to the CESL that requires payment of such sum, requires approval of such invoice or supporting documents, or specifies the breach and requires the CESL to remedy the same, as the case may be. If the CESL fails to pay such sum, fails to approve such invoice or supporting documents or give its reasons for withholding such approval, or fails to remedy the breach or take steps to remedy the breach within fourteen (14) days after receipt of the Implementing Partner's notice or
- b) the Implementing Partner is unable to carry out any of its obligations under the Contract for any reason attributable to the CESL, including but not limited to the CESL's failure to provide possession of or access to the Site or other areas in accordance with GCC Sub-Clause 10.2, or failure to obtain any governmental permit necessary for the execution and/or completion of the Facilities; then the Implementing Partner may by fourteen (14) days' notice to the CESL suspend performance of all or any of its obligations under the Contract, or reduce the rate of progress.

41.3 If the Implementing Partner's performance of its obligations is suspended or the rate of progress is reduced pursuant to this GCC Clause 41, then the Time for Completion shall be extended in accordance with GCC Sub-Clause 40.1, and any and all additional costs or expenses incurred by the Implementing Partner as a result of such suspension or reduction shall be paid by the CESL to the Implementing Partner in addition to the Contract Price, except in the case of suspension order or reduction in the rate of progress by reason of the Implementing Partner's default or breach of the Contract.

41.4 During the period of suspension, the Implementing Partner shall not remove from the Site any Plant and Equipment, any part of the Facilities or any Implementing Partner's Equipment, without the prior written consent of the CESL.

42 Termination

42.1 Termination for CESL's Convenience

42.1.1 The CESL may at any time terminate the Contract for any reason by giving the Implementing Partner a notice of termination that refers to this GCC Sub-Clause 42.1.

42.1.2 Upon receipt of the notice of termination under GCC Sub-Clause 42.1.1, the Implementing Partner shall either



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Serial No : 1318300

immediately or upon the date specified in the notice of termination

- (a) cease all further work, except for such work as the CESL may specify in the notice of termination for the sole purpose of protecting that part of the Facilities already executed, or any work required to leave the Site in a clean and safe condition
- (b) terminate all subcontracts, except those to be assigned to the CESL pursuant to paragraph (d)(ii) below
- (c) remove all Implementing Partner's Equipment from the Site, repatriate the Implementing Partner's and its SubImplementing Partners' personnel from the Site, remove from the Site any wreckage, rubbish and debris of any kind, and leave the whole of the Site in a clean and safe condition.
- (d) In addition, the Implementing Partner, subject to the payment specified in GCC Sub-Clause 42.1.3, shall
 - (i) Deliver to the CESL the parts of the Facilities executed by the Implementing Partner up to the date of termination
 - (ii) to the extent legally possible, assign to the CESL all right, title and benefit of the Implementing Partner to the Facilities and to the Plant and Equipment as at the date of termination, and, as may be required by the CESL, in any subcontracts concluded between the Implementing Partner and its SubImplementing Partners
 - (iii) deliver to the CESL all non-proprietary drawings, specifications and other documents prepared by the Implementing Partner or its SubImplementing Partners as at the date of termination in connection with the Facilities.

42.1.3 In the event of termination of the Contract under GCC Sub-Clause 42.1.1, the CESL shall pay to the Implementing Partner the following amounts:

- (a) the Contract Price, properly attributable to the parts of the Facilities executed by the Implementing Partner as of the date of termination
- (b) the costs reasonably incurred by the Implementing Partner in the removal of the Implementing Partner's Equipment from the Site and in the repatriation of the Implementing Partner's and its SubImplementing Partners' personnel.
- (c) any amounts to be paid by the Implementing Partner to its SubImplementing Partners in connection with the termination of any subcontracts, including any cancellation charges.
- (d) costs incurred by the Implementing Partner in protecting the Facilities and leaving the Site in a clean and safe condition pursuant to paragraph (a) of GCC Sub-Clause 42.1.2
- (e) the cost of satisfying all other obligations, commitments and claims that the Implementing Partner may in good faith have undertaken with third parties in connection with the Contract and that are not covered by paragraphs (a) through (d) above.

42.2 Termination for Contractor or Implementing Partner's Default

42.2.1 The CESL, without prejudice to any other rights or remedies it may possess, may terminate the Contract forthwith in the following circumstances by giving a notice of termination and its reasons therefor to the Implementing Partner, referring to this GCC Sub-Clause 42.2:

- (a) if the Implementing Partner becomes bankrupt or insolvent, has a receiving order issued against it, compounds with its creditors, or, if the Implementing Partner is a corporation, a resolution is passed or order is made for its winding up (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), a receiver is appointed over any part of its undertaking or assets, or if the Implementing Partner takes or suffers any other analogous action in consequence of debt.



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- (b) if the Implementing Partner assigns or transfers the Contract or any right or interest therein in violation of the provision of GCC Clause 43 (Assignment).
- (c) if the Implementing Partner, in the judgement of the CESL has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this Sub-Clause:

"corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

"fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the CESL and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the CESL of the benefits of free and open competition.

42.2.2 If the Implementing Partner

- (a) has abandoned or repudiated the Contract
- (b) has without valid reason failed to commence work on the Facilities promptly or has suspended (other than pursuant to GCC Sub-Clause 41.2) the progress of Contract performance for more than twenty-eight (28) days after receiving a written instruction from the CESL to proceed
- (c) persistently fails to execute the Contract in accordance with the Contract or persistently neglects to carry out its obligations under the Contract without just cause
- (d) refuses or is unable to provide sufficient materials, services or labor to execute and complete the Facilities in the manner specified in the program furnished under GCC Clause 18 (Program of Performance) at rates of progress that give reasonable assurance to the CESL that the Implementing Partner can attain Completion of the Facilities by the Time for Completion as extended

then the CESL may, without prejudice to any other rights it may possess under the Contract, give a notice to the Implementing Partner stating the nature of the default and requiring the Implementing Partner to remedy the same. If the Implementing Partner fails to remedy or to take steps to remedy the same within fourteen (14) days of its receipt of such notice, then the CESL may terminate the Contract forthwith by giving a notice of termination to the Implementing Partner that refers to this GCC Sub-Clause 42.2.

42.2.3 Upon receipt of the notice of termination under GCC Sub-Clauses 42.2.1 or 42.2.2, the Implementing Partner shall, either immediately or upon such date as is specified in the notice of termination,

cease all further work, except for such work as the CESL may specify in the notice of termination for the sole purpose of protecting that part of the Facilities already executed, or any work required to leave the Site in a clean and safe condition

- (a) terminate all subcontracts, except those to be assigned to the CESL pursuant to paragraph (d) below
- (b) deliver to the CESL the parts of the Facilities executed by the Implementing Partner up to the date of termination.
- (c) to the extent legally possible, assign to the CESL all right, title and benefit of the Implementing Partner to the Works. and to the Plant and Equipment as at the date of termination, and, as may be required by the CESL, in any subcontracts concluded between the Implementing Partner and its SubImplementing Partners.
- (d) deliver to the CESL all drawings, specifications and other documents prepared by the Implementing Partner or its SubImplementing Partners as at the date of termination in connection with the Facilities.

42.2.4 The CESL may enter upon the Site, expel the Implementing Partner, and complete the Facilities itself or by employing any third party. The CESL may, to the exclusion of any right of the Implementing Partner over the same, take over and use with the payment of a fair rental rate to the Implementing Partner, with all the maintenance costs



to the account of the CESL and with an indemnification by the CESL for all liability including damage or injury to persons arising out of the CESL's use of such equipment, any Implementing Partner's Equipment owned by the Implementing Partner and on the Site in connection with the Facilities for such reasonable period as the CESL considers expedient for the supply and installation of the Facilities.

Upon completion of the Facilities or at such earlier date as the CESL thinks appropriate, the CESL shall give notice to the Implementing Partner that such Implementing Partner's Equipment will be returned to the Implementing Partner at or near the Site and shall return such Implementing Partner's Equipment to the Implementing Partner in accordance with such notice. The Implementing Partner shall thereafter without delay and at its cost remove or arrange removal of the same from the Site.

42.2.5 Subject to GCC Sub-Clause 42.2.6, the Implementing Partner shall be entitled to be paid the Contract Price attributable to the Facilities executed as at the date of termination, the value of any unused or partially used Plant and Equipment on the Site, and the costs, if any, incurred in protecting the Facilities and in leaving the Site in a clean and safe condition pursuant to paragraph (a) of GCC Sub-Clause 42.2.3. Any sums due to the CESL from the Implementing Partner accruing prior to the date of termination shall be deducted from the amount to be paid to the Implementing Partner under this Contract.

42.2.6 If the CESL completes the Facilities, the cost of completing the Facilities by the CESL shall be determined.

If the sum that the Implementing Partner is entitled to be paid, pursuant to GCC Sub-Clause 42.2.5, plus the reasonable costs incurred by the CESL in completing the Facilities, exceeds the Contract Price, the Implementing Partner shall be liable for such excess.

If such excess is greater than the sums due to the Implementing Partner under GCC Sub-Clause 42.2.5, the Implementing Partner shall pay the balance to the CESL, and if such excess is less than the sums due to the Implementing Partner under GCC Sub-Clause 42.2.5, the CESL shall pay the balance to the Implementing Partner.

The CESL and the Implementing Partner shall agree, in writing, on the computation described above and the manner in which any sums shall be paid.

42.3 Termination by Contractor or Implementing Partner

42.3.1 If

(a) the CESL has failed to pay the Implementing Partner any sum due under the Contract within the specified period, has failed to approve any invoice or supporting documents without just cause pursuant to Appendix 1 (Terms and Procedures of Payment) of the Contract Agreement, or commits a substantial breach of the Contract, the Implementing Partner may give a notice to the CESL that requires payment of such sum, requires approval of such invoice or supporting documents, or specifies the breach and requires the CESL to remedy the same, as the case may be. If the CESL fails to pay such sum, fails to approve such invoice or supporting documents or give its reasons for withholding such approval, fails to remedy the breach or take steps to remedy the breach within fourteen (14) days after receipt of the Implementing Partner's notice, or

(b) the Implementing Partner is unable to carry out any of its obligations under the Contract for any reason attributable to the CESL, including but not limited to the CESL's failure to provide possession of or access to the Site or other areas or failure to obtain any governmental permit necessary for the execution and/or completion of the Facilities which the CESL is required to obtain as per provision of the Contract or as per relevant applicable laws of the country, then the Implementing Partner may give a notice to the CESL thereof, and if the CESL has failed to pay the outstanding sum, to approve the invoice or supporting documents, to give its reasons for withholding such approval, or to remedy the breach within twenty-eight (28) days of such notice, or if the Implementing Partner is still unable to carry out any of its obligations under the Contract for any reason attributable to the CESL within twenty-eight (28) days of the said notice, the Implementing Partner may by a further notice to the CESL referring to this GCC Sub-Clause 42.3.1, forthwith terminate the Contract.

42.3.2 The Implementing Partner may terminate the Contract forthwith by giving a notice to the CESL to that effect, referring to this GCC Sub-Clause 42.3.2, if the CESL becomes bankrupt or insolvent, has a receiving order issued against it, compounds with its creditors, or, being a corporation, if a resolution is passed or order is made for its



winding up (other than a voluntary liquidation for the purposes of amalgamation or reconstruction), a receiver is appointed over any part of its undertaking or assets, or if the CESL takes or suffers any other analogous action in consequence of debt.

42.3.3 If the Contract is terminated under GCC Sub-Clauses 42.3.1 or 42.3.2, then the Implementing Partner shall immediately

(a) cease all further work, except for such work as may be necessary for the purpose of protecting that part of the Facilities already executed, or any work required to leave the Site in a clean and safe condition

(b) terminate all subcontracts, except those to be assigned to the CESL pursuant to paragraph (d)(ii)

(c) remove all Implementing Partner's Equipment from the Site and repatriate the Implementing Partner's and its SubImplementing Partner's personnel from the Site

(d) In addition, the Implementing Partner, subject to the payment specified in GCC Sub-Clause 42.3.4, shall

(i) deliver to the CESL the parts of the Facilities executed by the Implementing Partner up to the date of termination

(ii) to the extent legally possible, assign to the CESL all right, title and benefit of the Implementing Partner to the Facilities and to the Plant and Equipment as of the date of termination, and, as may be required by the CESL, in any subcontracts concluded between the Implementing Partner and its SubImplementing Partners

(iii) deliver to the CESL all drawings, specifications and other documents prepared by the Implementing Partner or its SubImplementing Partners as of the date of termination in connection with the Facilities.

42.3.4 If the Contract is terminated under GCC Sub-Clauses 42.3.1 or 42.3.2, the CESL shall pay to the Implementing Partner all payments specified in GCC Sub-Clause 42.1.3, and reasonable compensation for all loss or damage sustained by the Implementing Partner arising out of, in connection with or in consequence of such termination.

42.3.5 Termination by the Implementing Partner pursuant to this GCC Sub-Clause 42.3 is without prejudice to any other rights or remedies of the Implementing Partner that may be exercised in lieu of or in addition to rights conferred by GCC Sub-Clause 42.3.

42.4 In this GCC Clause 42, the expression "Facilities executed" shall include all work executed, Installation Services provided, any or all Plant and Equipment acquired (or subject to a legally binding obligation to purchase by the Implementing Partner and used or intended to be used for the purpose of the Facilities, up to and including the date of termination.

42.5 In this GCC Clause 42, in calculating any monies due from the CESL to the Implementing Partner, account shall be taken of any sum previously paid by the CESL to the Implementing Partner under the Contract, including any advance payment paid pursuant to Appendix 1 (Terms and Procedures of Payment) to the Contract Agreement.

43. Assignment

43.1 The Implementing Partner shall not, without the express prior written consent of the CESL, assign to any third party the Contract or any part thereof, or any right, benefit, obligation or interest therein or thereunder, except that the Implementing Partner shall be entitled to assign either absolutely or by way of charge any monies due and payable to it or that may become due and payable to it under the Contract.

44. Bankruptcy

If the Contractor shall become bankrupt or have a receiving order made against him or compound with his creditors, or being a corporation commence to be wound up, not being a voluntary winding up for the purpose only of amalgamation / reconstruction, or carry on its business under a receiver for the benefit of its creditors or any of them, the Owner will be at liberty :

to terminate the contract forthwith by notice in writing to the liquidator or receiver or to any person in whom the



contract may become vested & to act in the manner provided in GCC clause 42 entitled "Termination" as though the last mentioned notice has been the notice referred to in such clause and the equipment and materials have been taken out of the contractor's hands.

to give such liquidator, receiver or other person, the option of carrying out the contract subject to his providing a guarantee, for the due and faithful performance of the contract up to an amount to be determined by the Owner.

45. Contractor Performance & Feedback and Evaluation System

The Employer has in place an established 'Contractor Performance & Feedback System' against which the contractors performance during the execution of contract shall be evaluated on a continuous basis at regular intervals. In case the performance of the contractor is found unsatisfactory on any of the following four parameters, the contractor shall be considered ineligible for participating in future tenders for a period as may be decided by the Employer.

Financial Status

Project Execution & Project Management Capability

Engineering & QA Capability

Claims & Disputes.

46. Fraud Prevention Policy

The contractor along with their associate/collaborator/sub-contractors/sub-vendors/ consultants/service providers shall strictly adhere to the Fraud Prevention Policy of EESL displayed on its tender website www.eeslindia.org

The Contractor alongwith their associate/collaborator/sub-contractors/sub-vendors/ consultants/service providers shall observe the highest standard of ethics and shall not indulge or allow anybody else working in their organisation to indulge in fraudulent activities during execution of the contract. The contractor shall immediately apprise the Employer about any fraud or suspected fraud as soon as it comes to their notice.



Signature :-
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Serial No : 1318300

SECTION-4

Scope of Work/Supplies, Qualifying Requirements, Terms & Conditions, Technical Specifications & Special Conditions of Contract

NOTE: *THE TERMS & CONDITIONS STIPULATED HEREIN (I.E., IN SECTION-4) WILL SUPERSEDE ANY CONTRADICTORY/SIMILAR/OVERLAPPING TERMS & CONDITIONS IN ANY OTHER SECTION/PART OF THE TENDER.*

PART-A: General Information

Name of the Work: Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India.

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW SPGS/202102046 Dated:- 23-02-2021

BIDS ARE TO BE SUBMITTED AS FOLLOWS:

(Please note that, CESL has switched the tender system into e-tendering. Bidders will submit their bid accordingly).

Envelope 1, 2 and 3 will appear online in dynamic form. No Manual/Hard Copy of documents need to be submitted for these envelopes apart from below mentioned documents.

Envelope 1 (Pre-Qualifying documents) should contain following:

1. Bid document fee in the form of RTGS/NEFT/Banker's Cheque/ Demand Draft drawn in favor of "Convergence Energy Services Limited" payable at New Delhi. **(To be submitted in hard copy/ manually in the tender-box on and before Technical E-Bid Opening Date & Time. Scanned Copy to be uploaded at E-tendering portal.)**
2. Bid Security Declaration duly notarized on Rs. 100/- stamp paper as per **Attachment-2** of Section-6, Forms & Procedures. **(To be submitted in hard copy/ manually in the tender-box on and before Technical E-Bid Opening Date & Time. Scanned Copy to be uploaded at E-tendering portal.)**
3. Letter of the bidder submitting the bid in the form as stipulated in the bid document i.e., as per Bid Form as **Attachment-1** of Section-6, Forms & Procedures. **(Scanned Copy to be uploaded at E-tendering portal.)**
4. Notarized Power of attorney to sign the bid on Stamp Paper as **Attachment-3** of Section-6, Forms & Procedure. Bidders to use their own format. **(Scanned Copy to be uploaded at E-tendering portal.)**
5. Certificate regarding acceptance of important terms and conditions as per ITB clause 4.6 as **Attachment-4** of Section-6, Forms & Procedure. **(Scanned Copy to be uploaded at e-tendering portal)**
6. Form of acceptance of CESL's fraud prevention policy and declaration as per **Attachment- 7** of Section-6, Forms & Procedure. **(Scanned Copy to be uploaded at E-tendering portal.)**
7. NEFT/RTGS Bank details as per **Attachment-10** of Section-6, Forms and Procedure. **(Scanned Copy to be uploaded at E-tendering portal.)**
8. Self-Declaration for not been blacklisted by Central/State/UT Government or any Public sector entities duly signed and stamped at company's Letter Head. **(Scanned Copy to be uploaded at E-tendering portal.)** Bidder shall clearly mention tender reference number and date of signing the self-declaration.
9. Duly Filled **Compliance Matrix/ CHECK – LIST FOR BIDDERS** as per **Attachment-12** of Section - 6, Forms & Procedure **(Scanned Copy to be uploaded at E-tendering portal.)**
10. Self-Declaration duly signed and stamped at company's Letter Head for not being under debar list/undergoing debarment period on account of breach of the code of integrity under Rule 175(1)(i)(h) of the General Financial rules for giving false declarations of local content. (Scanned Copy to be uploaded at E-tendering portal. Bidder shall clearly mention tender reference number and date of signing the self-declaration **(Scanned Copy to be uploaded at E-tendering portal.)**
11. Self-Declaration regarding "Restrictions on procurement from a Bidder of a country which shares a land border with India" as per **Attachment-13** of Section-6, Forms & Procedure **(Scanned Copy to be uploaded while submitting application online on E-tendering portal.)**

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12. Consortium Agreement (if applicable) on Rs. 100 stamp paper duly signed and notarized. Bidder to use their own format. **(Scanned Copy to be uploaded at E-tendering portal).**
13. Certificate regarding Declaration of Local Content as per **Attachment-14** of Section-6, Forms & Procedure **(Scanned Copy to be uploaded at E-tendering portal).**
14. Declaration for Letter of Undertaking for a Quoted Lots per **Attachment-11** of Section - 6, Forms & Procedure **(Scanned Copy to be uploaded at E-tendering portal).**
15. Declaration of Letter of Undertaking by the bidder for opted payment term as per Attachment-15 of Section-6, Forms & Procedure **(Scanned Copy to be uploaded at E-tendering portal).**

Envelope 2 (Techno-commercial Proposal) should contain following (Scanned Copy to be uploaded at E-tendering portal):

1. Deviation Statement as per the format at Attachment-5 of Section-6.
NOTE: CESL reserves the right to consider or disregard deviations, and reject bids in case of non-compliance. Bids containing material deviations from or reservation to the terms and conditions and specifications mentioned in the Tender will be treated as non-responsive and will not be considered further.
2. Techno-commercial bid as indicated in bid document, i.e., documentary evidences regarding bidder's qualifications to perform the Contract, as required per the Qualifying Requirements and Bid Evaluation Criteria.
3. Bidder should have valid GST Registration & PAN No.
4. One complete set of RfP documents and subsequent amendments (if any), duly signed and stamped on each page.

Envelope-III should contain Price Bid (to be filled-up online)

Since the bids are to be submitted through E-tendering mode, the prices are to be filled on e-tender portal only and bidders are requested **not to submit the price bid in hard copy at CESL along with the documents. The same will not be entertained.**

- i. Price Bid Sheet Format is prescribed in the Tender document – only for illustration purpose **(prices are to be filled on E-tender portal only).**

Opening & Further Processing of the Bids

Initially, Envelope – I containing documents as stated above will be opened electronically. Envelope-II will be opened on the same day of only those bidders who have submitted Bid Security Declaration and requisite documents in Envelope-I.

Envelope-III (Price Bid) shall be opened subsequently subject to acceptance of Techno-Commercial Bid. Opening date will be intimated to all those bidders, who are found technically & commercially acceptable to CESL.

Price-Bid of the technically disqualified bidders will not be opened.

Since the bids are to be submitted through E-tendering mode, the prices are to be filled on e-tender portal only and bidders are requested not to submit the price bid in hard copy at CESL along with the documents. **The same will not be entertained. Any loss of information on account of this shall be sole responsibility of bidder.**

Price Bid Sheet Format (Annexure-I) is prescribed in the Tender document – only for illustration purpose **(prices are to be filled on E-tender portal only).**

The opened Price Bids shall be evaluated as per the criteria set out in the Tender and the award(s) of Contract shall be recommended accordingly.

Note: - Unorganized/Un-labelled Bids are liable to be rejected. Bidder to enclose an index of pages with proper nomenclature for each document enclosed and inserted page number on the documents to be submitted online at E-tendering portal.

For and on behalf of
Convergence Energy Services Limited

Signature :-
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User ID : mahendra.singh
Serial No. : 1318300

NTT Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW
SPCS/202102046 Dated:- 23-02-2021

SECTION-4
(Technical & SCC)

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PART-B: Definitions

Following abbreviations and terms used in the document will carry the meaning and interpretations as described below:

“CEA” shall mean Central Electricity Authority

“COD” shall mean the “Commercial Operations Date” of the Solar Power Generating System

DC Capacity shall mean the total solar PV array capacity of the solar PV modules installed in a project

“DISCOM” means Power Distribution Company of the state, responsible for distribution of Electrical power in the region and associated activities.

“IEC” means International Electro-technical Commission.

“ILAC” International Laboratory Accreditation Cooperation.

“Interconnection point” means point of interface of solar power plant facility with distribution system at which the Solar Energy is delivered to the PROCURER’s System and such interface point is 22 kV or 11 kV side of the nearest MSEDCL sub-station.

"kWh" means Kilo-Watt-hour.

“LVRT” means Low-voltage ride through.

“HVRT” means High-voltage ride through.

"MWp" means Mega-Watt Peak.

“MPPT or Maximum Power Point Tracking” shall mean algorithm that is used for extracting maximum available power from PV module under certain conditions.

“MSEDCL” means Maharashtra State Electricity Distribution Company Limited or MAHAVITRAN.

“MSPGCL” means Maharashtra State Power Generation Company Limited or MAHAGENCO

“NTP” means Notice to Proceed.

“OEM” Original Equipment Manufacturer.

“O&M” means Comprehensive Operation and Maintenance of the Facilities.

“PPA” shall mean “Power Purchase Agreement” for sale of energy generated from the project

“PPE” means Personal Protective Equipment.

“RM” means length in running meters.

“Solar Inverter” shall mean inverters that convert electricity generated from solar PV panels from DC to AC.

“System Integrator” shall mean the agency who had carried out the Design, Engineering, Supply, Installation, Testing & Commissioning and O&M of Grid connected solar PV based Power Plants.

“TS” means Technical Specification

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PART-C: Scope of Work

PROJECT NAME

Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India.

1. PROJECT BACKGROUND

Convergence Energy Services Limited (CESL) is a newly established subsidiary of state-owned Energy Efficiency Services Limited (EESL), itself a joint venture of public sector companies under the Ministry of Power, Government of India. CESL is focused on delivering clean, affordable and reliable energy.

2. Project Scope and Technology Selection

2.1. Introduction

Under this programme, CESL will establish decentralized solar PV based power plants/Solar Power Generating Systems (SPGS) with capacities ranging from approx. 2 MW to 10 MW (AC) on the open, unused lands at various locations in the State of Maharashtra. These locations/lands will be of MAHAGENCO and the energy generated from these project(s)/SPGS will be evacuated to the nearest MSEDCL substation. The project(s) should be in accordance to the technical specifications as mentioned in the **Specifications** part.

2.2. Proposed System

Site Description

- 2.2.1. The requisite developed land for implementation of proposed decentralized solar PV power plants at different locations/districts of Maharashtra will be provided by CESL to the successful bidder(s). However, bidders are required to submit the undertaking for carrying out land development works at MSEDCL SoR as given in appendix-4 of this document.
- 2.2.2. The successful bidder(s) will be required to implement the solar project and the necessary power evacuation infrastructure along with metering arrangement at the substation level (as per MSEDCL standards) i.e. interconnection/delivery point, to evacuate the power generated from the project(s) at 22 kV or 11 kV level of the nearest MSEDCL substation, at its own cost and in accordance to the provisions of this Rfp document.
- 2.2.3. All approvals, permits and clearances required for setting up of the project(s) (including connectivity) including those required from State Government and local bodies shall be in the scope of the bidder.
- 2.2.4. The Project to be selected under this Rfp provides for deployment of PV Technology. However, the selection of Project would be technology agnostic within PV technology and crystalline silicon with or without Trackers can be installed.
- 2.2.5. Operation and Maintenance of the project(s) for a period of 12 years.
- 2.2.6. The bidder shall construct, operate, and maintain the projects for project period at its cost and risk including the required interconnection facilities and in-close co-ordination with STU/MSEDCL's feasibility. The bidder shall seek approval of MSEDCL in respect of interconnection facility and shall undertake at its own cost maintenance of the interconnection facility.
- 2.2.7. The bidder shall be required to follow the applicable rules regarding project registration with the State Nodal Agency (SNA) in line with the provisions of the applicable policies/regulations of the State where the Projects are being located. It shall be the responsibility of the bidder to remain updated about the applicable charges payable to the SNA under the respective State Solar Policy.

NOTE: The details of the substations wherein the decentralised solar power plants are going to be established are attached in the 'Appendix-1'. CESL reserves the right, to effect variation in states/districts, quantity and capacity of solar power plants as mentioned above. However, if there is a

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change of location to another state, the differential transportation charges will be taken into consideration and paid to the contractor.

2.3. Project Scope

The scope of this RfP covers:

The Scope of Work under this package, includes site surveys, design & engineering, procurement & supply of equipment and materials, testing at manufacturers works, inspection, packing and forwarding, supply, receipt, unloading and storage at site, associated civil works, services, permits, licenses, installation and incidentals, insurance at all the stages, erection, testing and commissioning of Grid Interactive Decentralised Solar Power Generating System (s) (with capacities ranging from 2 MW~10 MW) and performance demonstration with associated equipment and materials up to 11 kV or 22 kV at nearest MSEDCL substations on turnkey basis in the State of Maharashtra, India and 12 (Twelve) years comprehensive operation and maintenance of the plant thereafter.

2.3.1. The equipment and materials for approx. 100 MW AC (cumulative) Grid Interactive Decentralised Solar Power Generating System (s) with associated system (typical) shall include but not be limited to the receipt, unloading, storage, erection, testing and commissioning of all supplied material for the following:

- i. Solar PV modules, Module mounting structures, fasteners, array foundation and module interconnection.
- ii. Array Junction boxes, distribution boxes and fuse boxes: MCBs, Surge Arrestors with string monitoring capabilities and with proper lugs, glands, ferrules, terminations and mounting structures.
- iii. DC and AC cables of appropriate sizes with adequate safety and insulation.
- iv. Power Conditioning Units (PCU)/Inverter (String or Central grid-tie) with SCADA compatibility, circuit breakers LT & HT Power Interfacing Panels, Plant Monitoring Desk, AC & DC Distribution boards.
- v. Step up transformers (Inverter Duty with suitable intermediate voltage but not less than 11 kV or 22 kV) in relevance with state grid code and inverter manufacturer requirements.
- vi. Suitable protection system.
- vii. LT Power and Control Cables including end terminations and other required accessories for both AC & DC power.
- viii. Internal 415V interconnection & indoor feeder panels to cater auxiliary needs of Plant.
- ix. 11 kV or 22 kV indoor/ outdoor panels having incoming and outgoing feeders with VCBs, CTs, PTs, Bus bars, cables terminals kits and Main Bus. Each bay shall consist of VCB, CT, Isolators with earth switch, LAs and PT's etc.
- x. Data acquisition system with remote monitoring facilities. Provision for specific data transfer to the State Load Dispatch Centre (SLDC) may be provided as per the DISCOMs/State requirement. Data shall also be provided to CESL's server (details will be shared with successful bidder(s) only).
- xi. Weather Monitoring shall include but not limited to the following:
 - Pyranometers- For horizontal and tilted plane
 - Ultrasonic Anemometer (for wind speed and direction)
 - Temperature Sensor- Ambient and Module surface
 - Power source to all the sensors
 - Data logger
- xii. Lightning arrestors for entire plant area.
- xiii. PVC pipes, cable conduits, cable trays and accessories/trenches.
- xiv. Earthing of the entire plant as per relevant standards.
- xv. Control room for Solar Power Generating Systems (SPGS).
- xvi. One Energy meter (ABT) with modem facility to communicate with any remote server. The meter shall be as per specification of MSEDCL or same class as installed

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- commercial/billing/ABT meters, to be connected with HT Panel which would collect daily Generation data and grid outage data.
- xvii. Testing, maintenance and monitoring of equipment(s). Spares & consumables, as required, for 12 years O&M period.
 - xviii. Necessary CCTV cameras at suitable locations in the plant area in order to capture any trespassing, theft & pilferage etc.
 - xix. Fire detection & protection system in the plant area. Adequate number & types of fire extinguishers. All safety gadgets during Construction and O&M period including but not limited to, anti-static rubber mats of appropriate grade, PPE, rubber gloves and shoes etc.
 - xx. Any hazardous material used during construction or used as part of the plant has to be taken back by the contractor for recycling or dumping purpose after its operating/working life, so that it may not affect the environment or any living being. Contractor shall comply with MPCB regulation.
 - xxi. Design of Grid Interactive Decentralised Solar Power Generating System (s) (with a the maximum capacity of 10 MW at a particular location) and its associated civil, structural, electrical & mechanical auxiliary systems includes preparation of single line diagrams and installation drawings, manuals, electrical layouts, erection key diagrams, electrical and physical clearance diagrams, design calculations for Earth- mat, Bus Bar & Spacers indoor and outdoor lighting/ illumination etc. design memorandum, GTP and GA drawings for the major equipment & facilities, design basis & calculation sheets, and other relevant drawings and documents required for engineering of all facilities within the fencing to be provided under this contract, are covered under contractor's scope of work. The contractor has to provide the project design document with all the necessary technical details including simulation reports.
 - xxii. Estimation and determination of the plant generation on daily basis in form of look ahead scheduling of power output.
 - xxiii. Any other equipment/material, not mentioned but essentially required to complete the decentralized Solar Power Generating Systems including power evacuation infrastructure in all respects.
 - xxiv. Contractor has to carry out the site survey of the open land allocated to the contractor and install the solar PV power plant of suitable capacity based on the shadow free area. However, a variation of (-20%) of the capacity may be allowed to be installed at any project site depending on the open/vacant / shadow free area available at the designated location(s).
 - xxv. Requisite testing facilities at site, safety requirements and provision for other things that may require for successful operation and maintenance of plant and equipment.
 - xxvi. In case, the contractor wishes to use higher quantity of solar PV modules on the DC side of any power plant, the contractor has to provide the complete design document justifying the necessary AC/DC ratio. It is up to the bidder to decide on AC/DC ratio based on minimum performance ratio (PR) and site specific losses. Bidder is required to ensure the site wise energy generation guarantee.
 - xxvii. Submission of weekly/monthly work progress report by the contractor.
 - xxviii. In case of absence of the standards for any of the equipment, the contractor may comply to the latest CEA/CERC/State Grid code.
 - xxix. The Right of Way (RoW) issues if any, shall be in the scope of Contractor. CESL/MAHAGENCO will support the bidder in early resolution of RoW issues.
 - xxx. Contractor will construct & erect complete evacuation line along with ABT meters from the switchyard of solar power project to the nearest MSEDCL substation. Energy meter (ABT) will be located at MSEDCL Substation. The RoW issues if any, shall be in the scope of Contractor, however, all coordination will be done by CESL.
 - xxxi. Construction of bays and installation of all necessary associated equipment and protection and metering system at interconnection point at MSEDCL substation(s).
 - xxxii. Contractor will carry out the O&M of the evacuation line and associated equipment, viz. Breakers, Isolators, Bays, CT, PT, ABT meter, Protection & metering etc. for the project period i.e. 12 years.
 - xxxiii. Construction of office cum control room or alternate 10 X 40 feet prefabricated portable cabin with washroom.
 - xxxiv. Construction of security cabin at strategic location inside the plant.
 - xxxv. Arrangement of Water and Electricity during construction and O&M period.

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xxxvi. Security of the system during construction and O&M period.

2.3.2. During the O&M period, the contractor shall,

- i. Keep the measured daily generation, import, auxiliary, fault log data at regular intervals and provide the same to CESL/MAHAGENCO/MSEDCL in electronic form compatible in excel format. The right to use the data shall remain with CESL/MAHAGENCO/MSEDCL. Generation data shall be provided in the form of continuous day around generation curve. The plant outage data (due to solar plant or MSEDCL grid) shall be maintained and submitted to CESL/MAHAGENCO/MSEDCL on monthly basis.
- ii. Maintain materials, spares, tools & tackles, logistics and accessories, which are necessary or usual for satisfactory and trouble-free operation and maintenance of the Solar Power Generating System(s).

2.3.3. The items of civil design and construction work shall include all works required for solar power generating system and should be performed specifically with respect to following but not limited to:

- i. Conducting Soil testing of the allocated plot area.
- ii. Conduction of contour survey and mapping of the whole plot area.
- iii. Construction of foundation for mounting structures for SPV panels, considering life of Plant & existing soil/ natural conditions.
- iv. Construction of foundation for transformers, switchgears, buildings (if any), equipment etc.
- v. Necessary arrangement for module cleaning shall be made available in SPV array yard.
- vi. Suitable Communication System.
- vii. Perimeter lighting: Fabrication, supply & erection along with required GI Poles, junction boxes, support, brackets, accessories & LED lights as required.
- viii. Supply of ferrules, lugs, glands, terminal blocks, galvanized sheet steel junction boxes with powder coating paint for internal fixtures, cable fixing clamps, nuts and bolts etc. of appropriate sizes as required in the plant.
- ix. Power Cables laying underground / over ground with proper cable tray arrangements
- x. Entire GI cable tray with proper support and accessories inside equipment room and control room and other locations as required.

2.3.4. The contractor shall carry out the site surveys and submit the report to CESL for the allotted site as per the time lines and formats discussed under Annexure-2 of this document. The report shall contain the details of the solar power generating system, proposed capacity of the decentralized Solar Power Generating System(s) etc. Please refer site survey report format under appendix-2 of this document.

2.3.5. The contractor shall arrange for Power Evacuation works as per the requirement on their own cost. The power evacuation works shall be as per specifications of MSEDCL..

2.3.6. All approvals as necessary for setting up of a Solar Power Plant including CEIG/CEA/MAHAGENCO/MSEDCL, connectivity etc. as per the latest regulations / guidelines for which CESL/MAHAGENCO will facilitate the bidder.

2.3.7. The Contractor shall arrange deployment of qualified and suitable manpower and required necessary tools, logistics, spares & consumables during construction, commissioning and O&M.

2.3.8. Complete responsibility of total Operation & Maintenance of Solar Power Generating Systems including all the infrastructure developed as a part of EPC Contract for 12 years from commissioning of the plant(s) shall be with the Contractor. Any cost(s) associated with the project for successful commissioning and O&M during the project period shall be borne by the contractor.

2.3.9. All approvals, equipment, item and works which are not specifically mentioned in this document but are required for successful completion of work including construction, commissioning, O&M of Solar

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PV Power Plant (s) in every respect and for safe and efficient construction & erection, operation and guaranteed performance are included in the scope of the Contractor.

2.3.10. Submission of following documents, drawings, data design, and engineering information to CESL/ MAHAGENCO/MSEDCL or its authorized representative for review and approval in hard copy and soft copy from time to time as per project schedule.

- i. Contour map of the complete land area.
- ii. General arrangement, array layout diagrams and assembly drawings of all major equipment.
- iii. Design basis criteria along with relevant standards (list of standards and respective clause description only).
- iv. Design calculations and sheets with expected power loss at each stage and backup sheets, if any. Lightning arrestor with area coverage also to be provided.
- v. Detailed technical specifications of all the equipment.
- vi. Schematic diagram for entire electrical system including single line diagrams (SLD)
- vii. GTP & G.A. drawings for all types of structures/ components, 11 kV or 22 kV switchgears & other interfacing panels.
- viii. Relay setting charts.
- ix. Quality assurance plans for manufacturing (MQP), Standard Operating Procedures (SOP) and field activities (FQP).
- x. Detailed site EHS plan, fire safety & evacuation plan and disaster management plan.
- xi. Detailed risk assessment and mitigation plan.
- xii. Test reports (for type, acceptance, and routine tests).
- xiii. O&M Instruction's manuals and its drawings.
- xiv. As-built drawings / documents and deviation list from good for construction (GFC).
- xv. O&M plans, schedules and operational manuals for all equipment etc.
- xvi. Daily progress update.
- xvii. Weekly site work progress report with catch-up plan(s), as necessary to monitor actual timelines of the project during construction period along with the real time snap shots during the time of construction.
- xviii. Monthly O&M reports after commissioning of the project.

2.3.11. Estimation of plant generation based on solar radiation and other climatic conditions prevailing at site

2.3.12. All drawings shall be fully corrected to agree with the actual "as built" site conditions and submitted to CESL/MAHAGENCO/MSEDCL after commissioning of the project for record purpose. All as-built drawings must include the Good for Construction deviation list.

2.3.13. The Contractor shall provide a detailed training plan for all operation, maintenance procedures, which shall after approval by CESL/MAHAGENCO/MSEDCL form the basis of the training program. The contractor shall also provide training to MAHAGENCO/MSEDCLs nominated staff.

2.3.14. The Contractor shall employ and coordinate the training of contractors' personnel who will be qualified and experienced to operate and monitor the facility and to coordinate operations of the facility with the grid system.

2.3.15. Establishing a system to maintain an inventory of spare parts, tools, equipment, consumables and other supplies required for the facility's hassle free operation.

2.3.16. Adequate and seamless insurance coverage during construction period and O&M period to cater all risks related to construction and O&M of Plant to indemnify the CESL/MAHAGENCO/MSEDCL.

2.3.17. Maintain at the facility accurate and up-to-date operating logs, records and monthly reports regarding the generation, Operation & Maintenance of facility. Contractor shall also submit monthly energy bills (export, import etc.) to CESL/MAHAGENCO/MSEDCL before 3rd of every month.

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- 2.3.18. Perform or contract for and oversee the performance of periodic overhauls or maintenance required for the facility in accordance with the recommendations of the original equipment manufacturer (OEM).
- 2.3.19. Procurement for spares parts, overhaul parts, tools, equipment, consumables, etc. required to operate and maintain the project in accordance with the prudent utility practices and having regarded to warranty recommendations during entire O&M period.
- 2.3.20. The contractor shall transfer (if any) and handover all the SPGS assets in good condition on completion of the 12-year period to CESL. CESL may carry out the technical due diligence for the site(s) before transfer and handover the project(s). CESL may ask the successful bidder for continuing the O&M work at project(s) until the O&M contractor is identified (for the interim period of the handing over process).
- 2.3.21. Maintain and keep all administrative offices, roads, tool room, stores room, equipment, clean, green and in workable conditions.

All the type test reports along with Material Dispatch Clearance Certificate (MDCC) and Material Safety Data Sheet (MSDS) for all applicable product & equipment and cables are to be submitted by the Contractor prior to the dispatch of the same. Contractor has to provide the type test report for all the equipment used under this contract. If the equipment is not type tested, the Contractor has to ensure conduction of such test and supply the type test report to the CESL/ MAHAGENCO/MSEDCL without any additional cost.

2.4. Required Documentation

Complete documentation shall be provided for the design, manufacturing/assembling, testing, installation, commissioning, start-up, operation, maintenance, repair and disposal of the Decentralised Solar Power Generating System components.

The bidder shall provide the following minimum documentation:

1. Project design document containing detailed engineering calculations, losses, drawings, simulation reports, performance guarantee etc.
2. Technical data sheets
3. Test reports and commissioning protocols
4. Installation, operation and maintenance manual

However, CESL at its own discretion may ask for any documentation related to scope of work mentioned hereunder, as and when required for any purpose.

2.5. Operation & Maintenance (O&M):

The contractor shall be entrusted to carry out the total O&M activities of the Solar Power Generating System(s) up to the interconnection point as per the scope of work for the 12 (Twelve year) years with immediate effect from the date of commissioning of plant(s).

- 2.5.1. The turnkey contractor shall be responsible for all the required activities for the successful construction, running, guaranteed energy generation & maintenance of the Solar Power Generating Systems covering:
- i. Deputation of qualified and experienced engineers Supervisors & Technicians.
 - ii. Successful running of Solar Power Plant for guaranteed energy generation.
 - iii. Co-ordination with MAHAGENCO/MSEDCL/other statutory organizations as per the requirement on behalf of CESL for Joint Metering Report (JMR), furnishing generations schedules as per requirement, revising schedules as necessary and complying with grid requirements updated time to time.
 - iv. Monitoring, controlling, troubleshooting maintaining of logs & records, registers.
 - v. Supply of all spares, consumables and fixing / application as required.

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- vi. Supply & use of spares, consumables, tools, logistics and skilled manpower throughout the maintenance period as per recommendations of the equipment manufacturers and requirement of the Plant & other associated infrastructure developed under the scope of EPC works.
- vii. Conducting periodical checking, testing, overhauling, preventive and corrective action.
- viii. Up keeping of all equipment, solar PV modules, inverters etc.
- ix. Arranging & updating any licenses/permits required for successful operation of plant (s).
- x. Submission of periodical reports to CESL/MAHAGENCO/MSEDCL on the energy generation & operating conditions of the power plant.
- xi. Furnishing generation data monthly to CESL/MAHAGENCO/MSEDCL by 3rd of every month.
- xii. Contractor shall be responsible for making all the payments towards renewal of all the permits/clearances etc. (if required) to the Government bodies /MAHAGENCO/MSEDCL/STU for smooth operation of the project.
- xiii. Periodic cleaning of solar modules as per the recommendations of OEM & existing site conditions.
- xiv. Repair & replacement of components of SPGS including all other associated infrastructure developed as a part of EPC Works which has gone faulty or worn-out components including those which has become inefficient.

2.5.2. Continuous monitoring of the performance of the Solar Power Generating Systems and regular maintenance of the whole system including Modules, PCU's, transformers, outdoor/indoor panels/ kiosks and other infrastructure developed as a part of EPC works in order to extract & maintain maximum energy output from the SPGS & serviceability from the associated infrastructure.

- i. Preventive and corrective maintenance of the complete Solar Power Plant and associated infrastructure developed as a Part of EPC work, including supply of spares, consumables, repair & replacement of wear and tear, overhauling, replacement of damaged modules, invertors, PCU's and insurance covering all risks (Fire & allied perils, earth quake, terrorists, burglary, power output warranty of solar PV modules and others) as required, for a period of 12 (Twelve) years from the date of start of O&M of the project.
- ii. The period of Operation and Maintenance will be deemed to commence from the date of commissioning of the project(s). CESL may extend the O&M period beyond the project duration at mutually agreed terms and conditions.
- iii. All the equipment required for Testing, Commissioning and O&M for the healthy operation of the SPGS must be calibrated, time to time, from the NABL accredited labs and the certificate of calibration must be provided prior to its deployment.

2.5.3. Operation and Performance Monitoring- Operation part consists of deputing necessary manpower required to operate the Solar Power Generating System (s) at the full capacity. Standard Operation procedures (SOPs) such as preparation to starting, running, routine operations with safety precautions, monitoring etc., shall be carried out as per the manufacturer's instructions & best engineering practices to have trouble free & optimum operation of the complete system with maximum possible energy generation.

2.5.4. Daily work of the operation and maintenance in the decentralised Solar Power Generating System (s) involves periodic cleaning of Modules, logging the voltage, current, power factor, power and energy output of the Plant at different levels along with fault/breakdown log. The operator shall also note down time/failures, interruption in supply and tripping of different relays, reason for such tripping, duration of such interruption etc. The operator shall record monthly energy output, down time (due to solar power plant and grid), fault logs & their Root Cause Analysis reports etc.

2.5.5. Maintenance

- i. The contractor shall carry out the periodical plant maintenance as given in the manufacturer's service manual and perform operations to achieve committed generation.

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- ii. Regular periodic checks of the modules, PCU's and other switchgears shall be carried out as a part of routine corrective & preventive maintenance. In order to meet the maintenance requirements stock of consumables are to be maintained as well as various spare as recommended by the manufacturer.
- iii. Maintenance of other major equipment involved in Solar Photovoltaic Power Generating System, appropriate measure are transformers, underground/ overhead cables, indoor/outdoor VCB/ SF6 kiosk, associated switchgears, other fixtures & components metering panel, fire protection system & other infrastructure developed as a part of scope of Work during development of Plant. Particular care shall be taken for outdoor equipment to prevent corrosion. Earth resistivity of plant as well as individual earth pit is to be measured and recorded every month. If the earth resistance is high, suitable action is to be taken to bring down the same to required level.
- iv. A maintenance record is to be submitted to operation/engineer-in-charge to record the regular maintenance work carried out as well as any breakdown maintenance along with the date of maintenance reasons for the breakdowns steps have taken to attend the breakdown duration of the breakdown including action taken to avoid the same in future.
- v. The schedules will be drawn such that some of the jobs other than breakdown, which may require comparatively long stoppage of the power plant, shall be carried out preferably during the non-sunny days/night. An information shall be provided to Engineer-in-charge for such operation prior to start.
- vi. The Contractor will attend to any breakdown jobs immediately for repair/replacement /adjustments and complete it at the earliest working round the clock. During breakdowns (not attributable to normal wear and tear) at O&M period, the Contractor shall immediately report the accidents, if any, to the Engineer In-charge showing the circumstances under which it happened and the extent of damage and or injury caused.
- vii. The Contractor shall comply with the provision of all relevant acts of Central or State Governments including but not limited to Payment of Wages Act 1936, Minimum Wages Act 1948, Liability Act 1938, Workmen's Compensation Act 1923, Industrial Dispute Act 1947, Maturity Benefit Act 1961, Mines Act 1952, Employees State Insurance Act 1948, Contract Labour (Regulations & Abolishment) Act 1970, Electricity Act 2003, Grid Code, Metering Code, MNRE guidelines or any modification thereof or any other law relating thereto and rules made there under or amended from time to time.
- viii. The contractor shall at his own expense provide all amenities to his workmen as per applicable laws and rules.
- ix. The Contractor shall ensure that all safety measures are taken at the site to avoid accidents to his or his sub-contractor or CESL/ MAHAGENCO/MSEDCL's Workmen.
- x. If negligence / mal-operation of the contractor's operator results in failure of equipment such equipment should be repaired replaced by contractor at free of cost.

2.5.6. Quality Spares & Consumables

In order to ensure longevity and safety of the core equipment and optimum performance of the system the contractor should use only genuine spares of high quality standards.

2.5.7. Testing Equipment, Tools and Tackles

The Contractor shall arrange for all the necessary testing equipment, tools and tackles for carrying out all the construction, operation and maintenance work covered under this contract. All the instruments are required to be calibrated from NABL accredited lab before put in use. The certificate of the same shall be submitted to CESL/MAHAGENCO/MSEDCL for verification.

2.5.8. CESL/MAHAGENCO's Scope of Work

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- CESL/MAHAGENCO will provide the support to contractor for grid connectivity & SLDC clearance. However, grid connectivity, commitment charges etc. shall be in the scope of bidder.
- CESL/MAHAGENCO will provide the developed land plot for establishing the decentralized solar PV power plant(s)
- CESL/MAHAGENCO will construct and maintain the approach road to the site and Periphery road along with Drainage system
- CESL/MAHAGENCO will construct fencing to the land plot

2.5.9. Transfer of Project –After the completion Period of Project, Contractor will hand over the project in operational working condition to CESL.

2.5.10. Connectivity with the Grid:

- The projects should be designed for delivery of energy at 11 / 22 kV level of substation of MSEDCL.
- All the necessary permissions from Electrical Inspector, SLDC etc., as may be required, shall be taken up by the Contractor for the purpose of interconnection of the solar power plant with the grid.
- Contractor will construct & erect complete evacuation line along with & ABT meters from the switchyard of solar power project to the nearest MSEDCL/MSETCL substation. Energy meter (ABT) will be located at substation end.
- The responsibility of getting the grid connectivity with MSEDCL shall entirely be of the Contractor. The Contractor shall submit documentary evidence for securing connectivity with grid from MSEDCL within 180 days from the date of issuance of NTP.
- The transmission of power up to the interconnection point and energy accounting infrastructure shall be the responsibility of the Contractor at his own cost. The maintenance of Transmission / Distribution system up to the interconnection point shall be responsibility of the Contractor.
- The arrangement of connectivity can be made by the Contractor through a dedicated line or sharing of a line. The dedicated line may be constructed by the Contractor or through any other agency. The entire cost of transmission including cost of construction of line, maintenance, losses etc. from the project up to the delivery point will be borne by the Contractor. The arrangement of connectivity can be made through sharing of a line, however sharing of line shall be at the discretion of the bidder provided there is a legally binding agreement between the bidder and the other parties sharing the same line for a period not less than 25 years and the bidder shall indemnify CESL for any loss arising out of failure of such shared line.
- The Contractor shall not be entitled to deemed generation in case of any delay in grant of connectivity.

2.5.11. Clearances required from the Central/State Government and other local bodies

The Bidders are required to obtain necessary clearances and permits as required for setting up the Solar Power Projects.

2.6. QUALIFYING REQUIREMENTS

The bidder has to fulfill the Qualifying Requirements as per ANNEXURE-III, and to submit the documents with necessary details pertaining to the same, as stipulated in the Annexure.

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PART-D: SPECIAL CONDITIONS OF CONTRACT

1. TERMS OF PAYMENT

Payment towards **Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India** shall be made in the following manner:

- 1.1. There are two type of payment terms viz. option 1 and option 2 in this project. Option 1 payment term includes a provision of 10% of the advanced payment against an advanced bank guarantee of same amount and option 2 payment does not include any provision for the advance payment. Bidder is required to carefully assess and choose the most suitable payment term, Bidder is required to submit an declaration for the opted payment term (refer section-4). The payment term will freeze as per the declaration provided by the bidder and shall remain same during the entire project duration. The terms of payment shall be as given below:
- 1.2. All the payments shall be subject to fulfillment of the following prerequisites:
- 1.2.1.Submission of Contract Performance Guarantee (CPG) as per CPG clause.
- 1.2.2.Acceptance of LOA and signing of Contract Agreement.

S. No	Activity	Sub Activity/Pre requisite	Payment Terms (% payment) (Option 1)	Payment Terms (% payment) (Option 2)	Criteria	Documentati on
1	Advance Against Successful Letter of Award	Acceptance of LoA and Signing of Contract Agreement	10 % of (Part A + Part B) as per price bid table i.e.10% of Supply Part + Inland Transportation Part	No advance payment	Within 30% days of Submission and verification of ABG of Equivalent Amount which shall be valid up to 90 days beyond the scheduled date of commissioning of last project covered under the lot. However, in case delay in commissioning of last project, the validity of this bank guarantee shall be extended by the period of such delay.	-

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2	Power Evacuation					
2.1	Land Development & Power Evacuation	Electrical equipment (11 KV Side) Pole Erection Accessories installation Conductor Stringing Bay Area Work Cubicle Metering	10 % of (Part A + Part B) as per price bid table i.e. Supply Part + Inland Transportation Part	10 % of (Part A + Part B) as per price bid table i.e. Supply Part + Inland Transportation Part	Within 30 days of receipt of invoice, duly verified by EIC-CESL authorized representative designated site(s).	1. Necessary Drawings 2. MRC of PE Material 3. LR Copies/ Insurance Copy (if applicable) 4. 11 KV Inspection Report
3	Supply					
3.1	Supply	MMS Structure PV Module Inverter & ACDB/AJB/DC DB AC/DC Cable HT Panel/Transformer Balance of System	40 % of (Part A + Part B) as per price bid table i.e. Supply Part + Inland Transportation Part	50 % of (Part A + Part B) as per price bid table i.e. Supply Part + Inland Transportation Part	Within 30 days of receipt of invoice and necessary documentation, duly verified by EIC-CESL authorized representative designated site(s).	1. MRC of Supply with all test reports of Structure, Panel, Inverter, Transformer, LT/HT Panels and BOS 2. FTR of Module 3. PDI report 4. LR Copies/ Insurance Copy
4	Installation					
4.1	Installation	MMS & Panel Erection Inverter & ACDB/AJB/DC DB Transformer LT/HT Panel BOS Erection	15% of (Part A + Part B) as per price bid table i.e. Supply Part + Inland Transportation Part + 40% of (Part C) as per price bid table i.e. Erection, Installation & Commissioning	15% of (Part A + Part B) as per price bid table i.e. Supply Part + Inland Transportation Part + 40% of (Part C) as per price bid table i.e. Erection, Installation & Commissioning	Within 30 days of receipt of invoice and necessary documentation, duly verified by EIC-CESL authorized representative designated site (s).	1. Installation Report from Field Engineer 2. Photograph Evidences 3. Inverter Level Supply (DC)
5	Commissioning					
5.1	Commissioning	CEIG Inspection 11 KV Charging HT Panel/Transformer Charging Inverter Charging	15% of (Part A + Part B) as per price bid table i.e. Supply Part + Inland	15% of (Part A + Part B) as per price bid table i.e. Supply Part + Inland	Within 30 days of receipt of invoice and necessary documentation	1. CEIG Report 2. Commissioning Certificate 3. Work

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5.2	System Stability Testing	JMR would be from Date of Commissioning	Transportation Part + 50% of (Part C) as per price bid table i.e. Erection, Installation & Commissioning	Transportation Part + 50% of (Part C) as per price bid table i.e. Erection, Installation & Commissioning	n, duly verified by EIC-CESL authorized representative designated site(s).	Completion Certificate 4. Field Quality Check Certificate 5. Training Certificate 6. Emergency & site security related Information
6	After One year of Commissioning					
6.1	O & M	O & M Schedule	Remaining 10% of (Part A+ Part B+ Part C) as per price bid table i.e. Supply, Inland Transportation Part and Erection, Installation & Commissioning part after one year of reliable operation	Remaining 10% of (Part A+ Part B+ Part C) as per price bid table i.e. Supply, Inland Transportation Part and Erection, Installation & Commissioning part after one year of reliable operation	Within 30 days of receipt of invoice and necessary documentation, duly verified by EIC-CESL authorized representative at designated site(s).	Demonstration of the energy generation by the project as per LoA/RfP from the date of commissioning of the project.

****Please note that the evaluation of this RfP is independent of the option wise payment term. The options are provided to bidder for their convenience during the project execution.**

Part – D : Payment During O&M Period

- Selected bidder(s) shall be paid O&M value (Part D) as per Price bid table for the 12 years on yearly basis, as per the awarded Contract Value of the awarded Package (First Year O&M will be free of cost).
- This amount will be released in equal instalments during the O&M period (% of total O&M value as per the below table) at the end of each quarter (for 12 years) of satisfactory service.

Year	% of O&M value released yearly during the period in equated manner
2	10%
3 – 12	9% (each)

Note: Prices quoted against cost of Operation and Maintenance (Part D of the price bid table) should not be less than 12% of the total project cost (i.e. Part A +Part B + Part C + Part D of the price bid). In case, cost of Part-D is less than 12% of total of Part A + Part B + Part C + Part D, then in LoA, the cost part D shall be fixed at 12% of total of Part A + Part B + Part C + Part D, and cost of Part A + Part B + Part C shall be reduced proportionately, keeping total of Part A + Part B + Part C + Part D equal to cost quoted in price bid. Detailed price bid table maybe referred for each Part mentioned above.

Notes:

- Price will remain firm till the execution of the contract.**

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- b) The payment will be made to the bidder within 30 days after submission of Invoices complete in all respect i.e. with all the required documents and compliance of relevant terms and conditions of the LoA duly accepted and certified by EIC.
- c) If invoice is incomplete in any respect or if there is any non-compliance with relevant terms and conditions of LoA, 30 days shall be counted from the date of submission of all necessary documents provided that relevant terms & conditions of LoA have been completed.
- d) Bidder may submit all the invoices once in a month.
- e) The incentive will be paid on annual basis for each completed years from the date of COD. Bidder may raise all invoices once for all plants for which one years is completing in that respective quarter. The payment will be due and paid within 45 days at the end of quarter in which one year in completed for respective plants.

2. Warranty

- a) PV modules used in grid connected small solar power plants by considering a linear degradation must be warranted for peak output wattage, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years. Bidder to submit and take the approval on the quality plan (including Visual, Dimensional, HV, IV, EL etc.) for solar PV modules from CESL. Bidder to ensure at least following testing of solar PV modules:
- b) VIS, STC, EL, PID and LID testing conducted on sufficient sample (AQL 1.0) of modules, THI-testing on running system conducted by an institute accredited in accordance with IEC 17025 by and internationally recognized accreditation body.
- c) Durability testing of modules, either manufacturer tests DHT 1500 and TCT 400 or higher on modules from relevant lines every quarter or factory inspection and POT and EGC testing conducted on sufficient sample (AQL 1.0) by an institute accredited in accordance with IEC 17025 by an internationally recognized accreditation body.
- d) Inspection and/or testing of the project material for quality control purpose will conducted on sufficient sample (AQL 1.0) for pass/fail criteria. Any batch of project material which fails during testing and/or inspection shall not be used for any of the project site(s). Contractor shall arrange the new batch of project material within 15 days for testing and/or inspection by CESL. All the expenses incurred for arranging the new batch of material shall be borne by the contractor.
- e) CESL/MAHAGENCO/MSEDCL officials reserves the right to carry out the Pre Dispatch Inspection of solar PV modules and other components at manufacturer facility (ies) before dispatch to site/s. At least 15 days' notice to be given by bidder to CESL for carrying out the PDI.
- f) The Inverters/PCUs installed in the solar power plant must have a warranty for the project period.
- g) The mechanical structures, electrical works and overall workmanship of the grid connected Solar Power Plant must be warranted for a period of 25 years from the date of Commissioning/Commercial Operation Date.
- h) The Contractor must ensure that the goods supplied under the contract are new, unused and of most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.
- i) During the period of Warranty / Guarantee the Contractor shall remain liable to replace any defective parts, that becomes defective in the Plant, of its own manufacture or that of its sub-Contractors, under the conditions provided for by the Contract under and arising solely from faulty design, materials, workmanship or any reason attributable to works carried out by the contractor, provided such defective parts are not repairable at Site. After any replacement, the defective parts shall be returned to the Contractors works at the expense of the Contractor unless otherwise arranged.
- j) During the Operation & Maintenance, the Contractor shall be responsible for any defects in the work due to faulty workmanship or due to use of sub-standard materials in the work. Any defects in the work during the O&M period shall therefore, be rectified by the Contractor without any extra cost to the CESL/MAHAGENCO/MSEDCL within a reasonable time as may be considered from the date of receipt of such intimation from the CESL/MAHAGENCO/MSEDCL failing which the CESL/MAHAGENCO/MSEDCL reserves the right to take up rectification work at the risk and cost of the Contractor.
- k) Warranty certificate issued by the manufactures shall be submitted and individual factory test report of manufactures shall also to be submitted along with invoice of the supply order after delivery. Every item should bear serial number provided during the manufacturing process. These serial numbers

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should be mentioned by manufacturer in all the following documents, while submission of bills after delivery of the order items:-

- Invoice
- Factory test report (In house test report generated during manufacturing)
- Warranty certificate

- l) If contractor does not rectify/supply the said problem after written notices than the defected equipment as per BOM noticed shall be rectified/purchased through CPG amount of contractor deposited in CESL.

3. Selection of Bidder

Selection of bidder will be done on the technically acceptable lowest evaluated cost basis of Price-Bid. Price bid should be unconditional, failing which the bid shall be summarily rejected. The price to be quoted as per the prescribed format of price bid. Price will remain firm till the execution of the contract.

4. Rejection of Materials

The CESL/MAHAGENCO/MSEDCL decision in regard to the quality of the material and workmanship will be final. The Contractor at its own cost and risk without any compensation shall immediately remove any material rejected by the CESL/MAHAGENCO/MSEDCL from the Site of work.

5. Labour Engagement

The Contractor shall be responsible to provide all wages and allied benefits to its labours engaged for execution of the project work and also to carry out Operation & Maintenance service. The Contractor shall remain liable to the authorities concerned for compliance of the respective existing rules and regulations of the government for this purpose and shall remain liable for any contravention thereof. The contractor is encouraged to use local manpower as per the local statutory (labour) requirement, if any.

6. Training of MAHAGENCO/MSEDCL Personnel

On successful commissioning of the Plant, the Bidder shall provide training on Plant operations and maintenance to a team (Engineers and Technician/ Operators) as nominated by CESL/MAHAGENCO/MSEDCL, within first three months of Operation of Plant.

7. Authorized Test Centres for test certificates

The Modules/transformers/ inverters/ cables and other Balance of system equipment deployed in the solar PV power Plant shall have valid test certificates for their qualification as per above specified IEC/ IS Standards by one of the NABL Accredited Test Centers in India. In case of module types/ equipment for which such Test facilities may not exist in India, test certificates from reputed ILAC Member body accredited Labs abroad (with proof of accreditation) will be acceptable.

8. Solar Power Generating System (s) Performance Guarantee

- a) The Plant performance will be evaluated through number of generated Energy generation in any year from each project as per clause 'Guaranteed Energy Generation' of Annexure-II.
- b) During O&M period, the Plant performance will be evaluated based on guaranteed energy generation. For guaranteed energy generation, please refer to clause 'Guaranteed Energy Generation' of Annexure-II.
- c) Bidders are expected to make their own study of solar radiation profile and other related parameters of the area & make sound commercial judgment about the guaranteed energy generation. It shall be the responsibility of the Bidder to assess the corresponding solar insolation values and related factors of solar Plant along with expected grid availability.

9. Taxes:-

Bidder shall quote for prices inclusive of GST If there is increase or decrease in the taxes and duties subsequent to supplier's offer within the contract delivery schedule of supply due to change in rate or introduction of new tax or deletion of existing tax or interpretation/ application of tax etc., CESL will reimburse the actual tax.

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In case bidder fails to achieve completion as per contract delivery schedule of supply or service, CESL will not be liable to compensate for any increase in taxes and duties due to change in rate or introduction of new tax or interpretation/application of tax etc. Whereas taxes at actual rate shall be paid in case of decrease in taxes and duties due to change in rate or deletion of existing tax or interpretation/application of tax etc., in the event of late delivery after the contract delivery period

10. Operation & Maintenance (O&M)

The Operation and Maintenance shall be comprehensive. The maintenance service provided shall ensure project functioning of the Solar PV system as a whole and Power Evacuation System to the extent covered in the Contract. All preventive / routine maintenance and breakdown / corrective maintenance required for ensuring maximum uptime shall have to be provided. Accordingly, the Comprehensive Operation & Maintenance shall have two distinct components as described below:

a) Preventive / Routine Maintenance:

This shall be done by the Contractor regularly and shall include activities such as cleaning and checking the health of the Solar PV system, cleaning of module surface, tightening of all electrical connections, and any other activity including the associated civil works, wear and tear that may be required for proper functioning of the Solar PV system as a whole. Necessary maintenance activities, Preventive and Routine for transformers and associated switch gears and transmission line also shall be included.

b) Breakdown / Corrective maintenance:

Whenever a fault/failure/breakdown/malfunctioning occurs, the Contractor has to attend to rectify the fault & the fault must be rectified within the 48 hours from the time of occurrence of fault, failing which LD will be applicable depending upon nature of fault/failure/defect/ breakdown/malfunctioning. The contractor must maintain all the records pertaining to such faults/failure/breakdown/malfunctioning and necessary measures taken. The date of Comprehensive Operation & Maintenance Contract period shall begin on the date of Successful demonstration of guaranteed energy generation i.e. operational acceptance. However, operation of the Power Plant means operation of system as per bid and workmanship in order to keep the project trouble free covering the guarantee period. The contractor must demonstrate the committed generation at the end of every year in accordance with commitment made in the Techno-Commercial Enclosures of the Bid.

c) Establishment in Maharashtra

Contractor shall have an office / establishment with all required facilities in Maharashtra. In case the contractor does not have an establishment (office) in Maharashtra, then the contractor needs to establish the same for executing and maintaining the solar power projects. The contractor has to submit the organogram chart clearly indicating the roles and responsibilities of all the staff and submit to CESL for approval.

d) New technology / upgradation

The contractor is responsible for replacement of equipment (if any) during the O&M period at free of cost. The contractor is free to use the commercially established new technology (ies)/ upgrade the existing equipment used in the solar power project during the O&M period. In such a case, the contractor to plan the activities in a manner without effecting the minimum energy generation guarantee from the project(s) as per this document.

11. Project Timelines

The project would be developed in two parts.

1. Part I: Site Surveys, submission of drawings for approval, Minutes of Meet, project design document.
2. Part II: Implementation of small solar power plants including O&M for 25 years.

Part I:

The Contractor shall submit the plan for carrying out site surveys within one week from the date of issuance of LoA. The contractor shall complete the site surveys of all the allotted locations within ten (10) days from

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the date of issuance of LoA. The contractor shall submit the final array layout, Electrical Single Line Diagram (SLD), site survey reports and project design document as per the timelines shown below:

S No	Activity	Milestone date
1	Submission of Site Survey Plan of all sites	LoA issuance date + 7 days
2	Site Survey by Contractor	LoA issuance date + 10 days
3	Signing of MoM, draft layout by MAHAGENCO/MSEDCL, CESL & Contractor	LoA issuance date + 10 days
4	Submission of Final Array layouts, SLD & Site survey reports by contractor to MAHAGENCO/MSEDCL Zonal/District office	LoA issuance date + 17 days

Contractor to strictly adhere to the time lines mentioned above. In case of any failure to meet the above timelines, a suitable action shall be taken against the contractor for any delay in completion of the Part 1, including the right to cancel or termination of contract at CESL's discretion.

Part II:

The date of handover of site (s) to the contractor for implementation of Decentralized Solar Power Generating System (SPGS) shall be treated as Zero date. The contractor shall submit the detailed execution plan (MS Projects/PERT/GANTT chart etc.) within one week (07 days) from the date of issuance of NTP. All the sites/lands under a lot will be handed over to the successful bidder within 1 month of issuance of LoA.

The time lines for Completion of the EPC Works is 180 days from the Zero date.

Note: However, extended timeline due to delay in handing over of land to the Contractor shall not have financial liability on CESL.

Timelines for Scope of work in Days

S. No.	Stage	Reference from D
1	Issue of LoA/NTP i.e, Site Handover (whichever is later)	Zero Date (D)
2	The contractor shall submit the detailed execution plan (MS Projects/PERT/GANTT chart etc.)	D+7 days
3	Commencement of civil, power evacuation and other allied works	D+ 75
4	Supply of major equipment like Solar PV modules, Modules Mounting Structures, Power Conditioning Units (PCU)/Inverter, Transformers, BoS etc.	D+ 120
5	Installation of all major equipment including MMS, Solar PV modules, Inverters / PCU, Transformers, Power Evacuation line etc.	D+ 135
6	Complete installation, testing and Pre-commissioning of Solar PV Power Plant/Solar Power Generating System along with power evacuation infrastructure	D+ 150
7	Commissioning of Plant (SPGS) along with Completion of Facilities in line with Technical/Functional/Performance Requirement stated under this Tender Document.	D+ 180

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12. Evaluation Criteria

- Evaluation will be done on the district wise lowest cost basis [(Unit Rate exclusive of GST (In Rs.)]
- Techno-commercially suitable bidders having the lowest price for a district as specified in price bid shall be considered as L-1.
- In case of tie between any no. of parties L1,L2,L3 and So on shall be determine based on the Av. ATO of the Bidder in last three Financial Years.
- It will be the sole discretion of CESL to award the quantity irrespective of the quantity mentioned by the bidder. CESL reserves the right to divert the awarded quantity of successful bidder if the bidder does not perform within first two weeks as per the schedule.
- **In addition to above mentioned points, the evaluation shall be carried out in accordance with evaluation methodology stipulated in Order No: P-45021/2/2017-PP (BE-II) dated: 16-Sept-2020 of Department of Promotion of Industry and Internal Trade.**
- The terms and conditions pertaining to MSEs shall be referred at clause 2.4 of section II of this tender and shall be applied accordingly [Refer to Important Note Given below].
- If any other unforeseen situation/s arise apart from those mentioned above, decision of CESL should be binding on the Bidders.
- If L-1 bidder has quoted for full quantity, it means that L-1 bidder is obligated to deliver the entire quantity as per the delivery schedule and agreed terms and conditions.
- It will, however, be the sole discretion of CESL to award the quantity irrespective of the quantity quoted for by the bidder and the band provided above. Further, it shall be ensured by CESL that L-1 gets awarded minimum 50% of the quantity, provided that minimum this much quantity is quoted by L-1 in their bid.

IMPORTANT NOTE:

The benefits to MSEs as mentioned in Section 2, shall be available only for Goods/Services produced & provided by MSEs.

Bidder shall carefully go through the revised criteria for classification of MSEs as per Gazette ID Number CG-DL-E-01062020-219680 dated: 01-06-2020 and notifications/orders issued by Ministry of MSME from time to time.

As per answer to FAQ no. 18 circulated vide Office Memorandum F. No. 22(1)/2012-MA dated 24.10.2016 "Policy is meant for procurement of goods produced and services rendered by MSEs. However, traders are excluded from the purview of Public Procurement Policy."

MSEs seeking exemption and benefits should enclose an attested/self-certified copy of registration certificate as a part of their bid in Envelope-I, giving details such as stores/services, validity (if applicable) etc. failing which they run the risk of their bid being passed over as ineligible for the benefits applicable to MSEs.

Bidder may refer to Notes Point (c) and (g) at Page 16 of Section-2 and shall carefully go through all the guidelines mentioned in Section-2 and ensure fulfilment of all the requirements for seeking exemptions and benefits applicable to MSEs.

In case of submission of Udyog Aadhar Memorandum/Udyam Registration to claim benefits applicable to MSEs, NIC (National Industrial Classification) code mentioned below shall be acceptable as a proof of the fact that the bidder is registered as MSE for the tendered item.

Sr. No	5 Digit NIC Code	Description
1	35105	Electric power generation using solar energy
2	26103	Manufacture of integrated circuits (analog, digital or hybrid)
3	42201	Construction and maintenance of power plants
4	42202	Construction/erection and maintenance of power, telecommunication and transmission lines

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13. **Compliance with all Statutory Regulations:**

- (i). Compliance of all the statutory requirements as may be required w.r.t the activities to be performed to execute the scope of work under the subject LOA including the requirements under Contract Labor Acts, safety of the workmen deployed, etc., shall be the responsibility of the successful bidder including all the expenditure incurred for the same. This includes all the requirements w.r.t the workmen under Sub-contractor(s) also. The successful bidder shall submit the documentation to CESL, on monthly basis, as required under the applicable statutory requirements.

Successful bidder, on whom letter of award is placed, is to ensure all safety guidelines, rules and regulations, labour laws etc. Successful bidder shall indemnify CESL for any accident, injury met by its labour, employee or any other person working for him. Any compensation sought by its labour, employee or any other person working for him shall be paid by successful bidder as per settlement solely. CESL has no role to play in this matter.

14. **Penalty & Serviceability Level Agreement (SLA)**

- a) Contractor shall make efforts to maintain 100 % serviceability of complete Plant including all other associated infrastructure developed by the Contractor during execution of project as its scope of work.
- b) Contractor shall produce monthly serviceability report for individual components of the plant & associated infrastructure to the CESL/DISCOM by 5th of next month.
- c) Contractor shall maintain a Complaint log book, which shall include the timing of logging of complaint including unique Complaint number, time of closure of complaint & its Root Cause Analysis.
- d) Such rectification work carried out by CESL/DISCOM does not exempts/relieves Contractor from its responsibility towards subsequent operation, maintenance, repair & replacement of such component/ infrastructure of the Plant or meeting the performance parameters of the Plant.
- e) O&M Routine & Manpower: Contractor shall provide Preventive / Routine Maintenance schedule based on Original Equipment manufacturer and good engineering practices.

In case of shortfall in guaranteed energy generation or any delay in the execution of the order beyond the stipulated time schedule decided including any extension permitted in writing, CESL reserves the right to recover from the Contractor for the loss incurred due to delay in commissioning or shortfall in guaranteed energy generation as indicated in the table below.

Alternatively, CESL reserves the right to purchase the material and completion of the works from elsewhere at the sole risk and cost of the successful bidder/ contractor and recover all such extra cost incurred by CESL in procuring the material from resources available including EMD/Bid security/ encashment of the bank guarantee or any other sources etc. and in case of shortfall of some resources bidder shall deposit the same with CESL forthwith. Further, if any extra cost is incurred by CESL due to delay in work completion by the party beyond the completion time as per PO/LOA, the same shall be recovered from the party's Invoice/EMD/BG etc. If recovery is made from CPG, in such cases, contractor is required to recoup the BG on immediate basis. CESL may adjust all amount recoverable from successful bidder from any amount payable to him.

Alternatively, CESL may cancel the order completely or partly without prejudice to its right under the alternatives mentioned above.

Penalty for delay in commissioning

In case the commissioning of project is delayed or the contractor is not able to meet the timelines as mentioned in clause no. 11 'Project Timelines' then the contractor shall pay the penalty at the rate mentioned below for the un-commissioned capacity:

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Delay Period	Penalty
Upto 30 days	1.15 x loss of generation in no. of unit for days of delay (calculated on pro rate basis as per Clause 10 of 'Specification') X Rs. / kWh (Per kWh rate in Rs. as per PPA between CESL & MAHAGENCO)
From 31-60 days	1.2 x loss of generation in no. of unit for period of delay (calculated on pro rate basis as per Clause 10 of 'Specification') X Rs. / kWh (Per kWh rate in Rs. as per PPA between CESL & MAHAGENCO)
From 61 & above days	1.25 x loss of generation in no. of unit for period of delay (calculated on pro rate basis as per Clause 10 of 'Specification') X Rs. / kWh (Per kWh rate in Rs. as per PPA between CESL & MAHAGENCO)

If contractor fails to commission the project beyond 90 days of COD as mentioned in 'Project Timelines' under clause no. 11 'Project Timelines', CESL reserves the right to terminate the contract and the contractor shall reimburse to CESL, the loss incurred.

Note: Contractor shall inform in writing to MSEDCL, MAHAGENCO and CESL by atleast 30 days in advance regarding the date of Commissioning/Commercial Operations Day of the respective site(s). However, the delay in synchronization and commissioning due to DISCOM may be excluded from penalty.

Penalty for deviation in Guaranteed Energy Generation

- d) The Contractor shall guarantee the energy generation from the project as per the 'Guaranteed Energy Generation' of Annexure-II.
- e) In case the contractor is not able to meet the guaranteed energy generation as per the 'Guaranteed Energy Generation' of Annexure-II then the contractor shall be liable to pay the penalty as per below mentioned formula:

Description	Calculation
Penalty	1.15 x No. of kWh shortfall in a year (calculated on pro rata basis as per Clause 10 of 'Specification') X Rs./kWh (As per PPA signed between CESL and MAHAGENCO)

The Penalty amount calculated may be adjusted from any amount payable by CESL to the contractor or CPG.

- f) In case the Project fails to generate any power continuously for 30 days any time during the O&M period, apart from the force majeure and grid outages as certified by competent authority from STU/CTU, it shall be considered as "an event of default". In the case of default the entire CPG will be encashed. In case the amount discovered in an event of default is more than the encashed CPG amount, then CESL reserves the right to recover the differential amount from other ongoing projects (if any) or by other means, as applicable from the bidder. The contractor has to rectify the solar power plant(s) without any extra cost to CESL/MAHAGENCO/MSEDCL. The contractor shall take necessary corrective measures to guarantee the minimum energy generation as per 'Guaranteed Energy Generation' of Annexure-II.

In case of partial or full encashment of CPG by CESL, the bidder shall recoup the CPG within 28 days.

15. INCENTIVE FOR EXCESS ENERGY GENERATION

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Serial No. : 1318300

- g) Contractor has to guarantee the minimum energy generation in any year as per 'Guaranteed Energy Generation' of Annexure-II. In case, the gross energy generated by the project is more than the minimum guaranteed energy generation, the contractor will be paid an incentive as per the below calculation:

Description	Calculation
Incentive	No. of excess kWh generated in a year (over and above the energy as per Clause 10 of 'Specifications') X Rs. One (1)/kWh (Inclusive of all taxes, duties, cesses, etc.)

The incentive amount shall be calculated at the end of the every O&M Year and paid to the Contractor in the next bill amount.

16. PART COMMISSIONING

Contractor is allowed commission the projects in multiples of 2000 kW capacities only. However, the contractor shall submit the final testing and commissioning reports for claiming the same.

17. Action by CESL if L1 backs out:

After opening of price bid, if L1 bidder backs out, the bidder will be put on holiday list of CESL for a period of one year. During this tenure, the bidder will be barred from participation in CESL tendering process. However, bidder has to continue the unexecuted work of the other prevailing work if any under the current running contracts. Simultaneously, the EMD submitted by such bidder against the subject tender will be forfeited. If bidder is exempted from submission of EMD, then the EMD amount will be adjusted from the payments due to the contractor against other running contracts. If there is no running contract of the bidder/ no payment dues of the bidder then CESL reserves the right to take any legal remedy as deemed fit to recover the penalty equivalent to EMD amount through legal means

18. ADJUDICATOR

Adjudicator under the contract shall be appointed by the Appointing Authority i.e. MD (CESL). If the bidder does not accept the Adjudicator proposed by CESL, it should so state in its bid form and make a counter proposal of an adjudicator. If on the day the contract agreement is signed, the CESL and contractor have not agreed on the appointment of adjudicator, the adjudicator shall be appointed, at the request of either party, by the appointing authority specified.

19. ARBITRATION

Arbitration shall be carried out as per Arbitration Act 1996 and its subsequent amendment. The Contract shall be governed by and interpreted in accordance with the laws in force in India. The courts of Delhi shall have exclusive jurisdiction in all matters arising under the contract.

20. CONTRACT PERFORMANCE GUARANTEE

Successful bidder is required to submit the lot wise **supply plus transportation plus installation & commissioning** performance security in the form of Demand Draft / Pay Order or Bank Guarantee for the 3% of the (total of Part A+ Part B+ Part C) i.e. 3% of **Supply+ Transportation+ Installation & commissioning cost** of the lot size within 28 days from the date of issuance of LoA. The **Supply+ Transportation+ Installation & commissioning** performance security must be valid to cover Delivery Period + Installation and Commissioning period of the projects under the lot. The **Supply+ Transportation+ Installation & commissioning** performance security will be valid for initial one year and will be extendable until all the projects under the lot are successfully commissioned. CESL reserves right to invoke Performance Security in case extended Performance Security /fresh Performance Security is not furnished at least 30 days prior to expiry of original Performance Security.

Once all the projects under a lot are commissioned, bidder will be required to submit lot wise **Operation and Maintenance** performance security in the form of Demand Draft / Pay Order or Bank Guarantee for the 3%

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of the (total of Part D) i.e. **3% of Operation and Maintenance cost** of the lot size within 28 days from the date of commissioning of the last project under the lot. Once the **Operation and Maintenance** performance security is submitted by the bidder, the **Supply+ Transportation+ Installation & commissioning** performance security will be returned to the bidder after successful verification of the **Operation and Maintenance** performance security. **Operation and Maintenance** performance security must be valid to cover operation and maintenance period of all the projects under the lot.

The Performance Security shall be denominated in INR.

The Performance Security must be valid to cover Delivery Period + Warrantee Period. In case Bidder provides Performance Security for shorter duration, it shall be for a minimum period of 3 years + 6 months claim period and CESL reserves right to invoke Performance Security in case extended Performance Security /fresh Performance Security is not furnished at least 90 days prior to expiry of original Performance Security.

Any delay in submission of CPG shall be deemed as accruing of financial benefit to the supplier and CESL may take necessary interest penalty recovery action (interest @ SBI's MCLR + 2 %) from the payments due to the supplier for the period of delay. However, this provision does not bind CESL in any way from proceeding against the supplier (including forfeiture of EMD, cancellation of the empanelment/LOA, etc.) for non-compliance towards non-submission of the CPG.

In case Bidder provides CPG for shorter duration, it shall be for a minimum period of 3.5 years and CESL reserves right to invoke CPG in case extended CPG/fresh CPG is not furnished at least 90 days prior to expiry of original CPG.

Bank guarantee shall be from any Nationalized Banks/other scheduled private banks as per list given in Section 4. CESL shall at his discretion have recourse to the said Bank Guarantee for the recovery of any or all amount due from the bidder in connection with the contract including of guarantee obligations.

Failure of the Successful Bidder to comply with the requirements of IFB/RfP shall constitute sufficient grounds for the annulment of the award and forfeiture of the Contract Performance Guarantee.

In case Bidder provides CPG for shorter duration, it shall be for a minimum period of 3.5 years and CESL reserves right to invoke CPG in case extended CPG/fresh CPG is not furnished at least 180 days prior to expiry of original CPG. In this regard further an undertaking has to be submitted by vendor that if vendor fails to provide second BG then CESL can impose the penalty and forfeit the Bank Guarantee.

This Bank Guarantee shall be effective only when BG issuance message is transmitted by the issuing bank through SFMS to ICICI Bank include unique identifier EESL543840944 in field 7037 of the SFMS cover messages with IFSC Code ICIC0000007.

BG advising message – IFN 760COV / IFN 767COV via SFMS	
Field Number	Particulars (to be mentioned in Row 1)
7037	EESL543840944

21. PRE-BID CONFERENCE

- The official representative of the Bidders may attend the pre-bid conference to be held on 01-03-2021 at 15:00 Hrs which will take place electronically, e-meeting link will be shared at a later stage.
- The purpose of the meeting will be to clarify any issues regarding the bid process.
- Record notes of the meeting including the text of the questions raised and responses given will be transmitted to all the bidders who were present at the meeting and will also be put on the web-site. The clarifications that could not be furnished during pre-bid conference will be separately communicated to all the purchasers of the RFP.

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- Non-attendance at the pre-bid meeting will not be a cause for rejection of a Bidder.
- Based on the discussion in pre bid meeting, CESL reserved the right for modification in RFP.
- Bidder(s) are requested to send the queries 3 days in advance from the date of pre bid to the contact points mentioned in Section 1 in the following format (**excel or word editable file**):

Name of Tender				
Tender No.				
Tender ID				
Bid Opening Date				
Bidder's Name				
Contact person from Bidder with address, e-mail and Contact No.				
Sr. No.	Section No.	Description as Per RFP	Queries/ Clarification of the bidder	Remarks
	Page No.			
	Para No/ Clause No.			
1.	Section No.			
	Page No.			
	Para No/ Clause No.			
2.	Section No.			
	Page No.			
	Para No/ Clause No.			
3.	Section No.			
	Page No.			
	Para No/ Clause No.			

22. Third Party Inspection Agency

- 22.1. A third party inspection agency ("Third Party Inspectors" or "TPI") may be appointed by CESL/MAHAGENCO/MSEDCL, at its sole discretion, to conduct any kind of inspection regarding but not limited to procurement, fabrication, installation, hook-up and commissioning during the execution of the Project. The Contractor shall provide necessary access and coordination to conduct such inspections. The extent of third party inspectors' involvement shall be finalized after mutual discussions between the Contractor and CESL/MAHAGENCO/MSEDCL.
- 22.2. CESL/MAHAGENCO/MSEDCL or its authorized representatives, reserve the right to inspect the project components, as per project schedule to ensure compliance of the quality of Components/ material as per the specification and data sheet, before dispatch to site. CESL/MAHAGENCO/MSEDCL at its own discretion will visit the premises for inspection with prior intimation to the Contractor. It is the responsibility of the contractor to inform CESL/MAHAGENCO/MSEDCL at least 14 days prior to the dispatch of the project equipment. All administrative expenses for CESL/MAHAGENCO/MSEDCL or its authorized representatives, will be borne by CESL/MAHAGENCO/MSEDCL for above inspections. However, all the expenses related to testing and inspection at manufacturer/ supplier premises or at project site shall be borne

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by the contractor only. In case contractor fails to show the compliance for the component under inspection as per Technical Specification & approved drawing /design & same is not approved for mass production or dispatch, in such cases Contractor shall bear the expenses towards visit of CESL/MAHAGENCO/MSEDCL's team for subsequent visit/s for inspection of same component.

23. INSURANCE

- 23.1. **Obtain the insurance policies:** Successful bidder/contractor shall obtain the policies.
- 23.2. **Insurance policy expenses:** Successful bidder/contractor shall bear all expenses in relation to obtaining policies, as described in this clause.
- 23.3. **Insurance Policy:** Successful bidder shall obtain the insurance policy as under:
- i. During the Contract period, i.e., during Construction, all insurance related expenses shall be borne by the Contractor. The goods supplied under the Contract shall be fully insured against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in such a manner that CESL/MAHAGENCO/MSEDCL shall not incur any financial loss, as long as the plant continues to remain under the custody of the Contractor.
 - ii. Adequate and seamless insurance coverage during construction period and O&M period to cater all risks related to construction and O&M of Plant to indemnify the CESL/MAHAGENCO/MSEDCL. The insurance during the construction and O&M period shall also cover the power output warranty of Solar PV modules. Insurance certificate of warehouse and / storage facility shall be submitted to CESL before the start of the erection and commissioning work.
 - iii. In case of any loss or damage or pilferage or theft or fire accident or combination of the said incidents etc. under the coverage of insurance, the Contractor shall lodge the claim as per rules of insurance. Any FIR required to be lodged to local Police Station shall be the responsibility of the Contractor.
 - iv. The Contractor shall arrange to supply/ rectify/ recover the materials even if the claim is unsettled for timely completion of the project. The final financial settlement with the insurance company shall rest upon the Contractor.
 - v. In case of any delay of the project attributable to the Contractor, the Contractor himself in consultation with CESL/MAHAGENCO/MSEDCL should take the extension of insurance. Any financial implications shall, however, be borne by the Contractor.
 - vi. The Contractor should arrange for providing insurance coverage to its workmen under Workmen's Compensation Act or similar Rules and Acts as applicable during execution of work for covering risk against any mishap to its workmen. The Contractor shall also undertake a Third Party Insurance. The CESL/MAHAGENCO/MSEDCL will not be responsible for any such loss or mishap.
 - vii. All other insurance like In – transit insurance (Marine/ Cargo/ others as applicable), Contractor All Risk, Erection All Risk, workmen compensation, third party liability, insurance against theft and acts of GOD and others as required for the Construction and O&M of the Plant and to indemnify the CESL/DISCOM/ equipment/ material and resources shall be borne by the Contractor. Fire insurance is to be arranged by the Contractor up to the years of O&M of the Contract.
 - viii. CESL/MAHAGENCO/MSEDCL shall be named as co – insured under all insurance policies taken out by the contractor pursuant to Clause no. 17 'Arbitration', except for the workmen compensation, third party liability and CESL/MAHAGENCO/MSEDCL's liability insurances. Also, Contractors' sub – contractor shall be named as co – insured under all insurances taken out by the contractor pursuant to clause no.17 'Arbitration except for Cargo insurance, workmen compensation insurance and CESL/MAHAGENCO/MSEDCL's liability insurance. All insurers' rights of subrogation against such co – insured for losses or claims arising out of the performance of the contract shall be waived under such policies.
 - ix. All the insurance cover taken for the construction and O&M period shall be seamless in nature.
 - x. The insurance are to be suitably taken for the activity/ act which is required to cover all the risks associated to the activity / act. The contractor shall be responsible to take suitable

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insurance till the completion of the O&M contract and indemnify the CESL/DISCOM from all associated risks whatsoever.

24. TRANSPORTATION, DEMURRAGE, WHARF AGE, ETC.

Contractor is required under the Contract to transport the Goods to place of destination defined as Site. Transport to such place of destination in India including insurance, as shall be specified in the Contract, shall be arranged by the Contractor, and the related cost shall be included in the Contract Price.

Successful bidder, on whom letter of award is placed, is to ensure all safety guidelines, rules and regulations, labour laws etc. Successful bidder indemnifies CESL for any accident, injury met by its labour, employee or any other person working for him. Any compensation sought by its labour, employee or any other person working for him shall be paid by successful bidder as per settlement solely. CESL has no role to play in this matter.

- Subsequent to an order being placed against your quotation, received in response to this 'enquiry', if it is found that the materials supplied are not of the right quality or not in accordance with our specifications (required by us) or received in damaged or broken conditions, not satisfactory owing to any reason of which we shall be the sole judge, we shall be entitled to reject the materials, cancel the contract and buy our requirement from the open market / other sources and recover the loss, if any, from the supplier reserving to ourselves the right to forfeit the security deposit, furnished by the supplier against the contract. The supplier will make his own arrangements to remove the rejected material within a fortnight of instruction to do so. Thereafter material will lie entirely at the supplier's risk and responsibility and storage charges, along with any other charges applicable, will be recoverable from the supplier.
- Successful bidder is to ensure interchangeability of its product supplied for replacement during warranty period and even when it is purchased from open market. In case due to change in technology, the supplied product is not available during warranty period than the improved version of product can be used in warranty period with same or improved technical parameters or the combination thereof after written communication of Engineer in Charge at same cost & terms and conditions. Successful Bidder, on whom letter of award has been placed, has also to confirm that the prices of improved version of product is not lesser than the original product or its parts in comparison.
- CESL reserve the right for quantity variation up to +/-20% irrespective of project capacity. Further CESL reserve the right to place a repeat order in case of urgency for part quantity in the Letter of Award for similar work on same prices, terms and conditions.
- CESL have the rights to accept or reject any bid or part without assigning any reason.

The bidder should not have been black-listed by Central Government or Central Public Sector Undertakings. If at any stage of tendering process or during the currency of the contract, any suppression / falsification of such information is brought to the knowledge, CESL shall have the right to reject the proposal or terminate the contract, as the case may be, without any compensation to the tenderer & forfeiture of bid security/EMD/CPG.

- Cost of tender Documents: **As mentioned in Section-1.**

The tender submission, tender closing and opening will be done electronically and online.

CESL will not be responsible for any delay, loss or non-receipt of Tender Document Cost sent by post/courier. The instrument should reach in original to CESL office before the Bid Opening date. Bids not accompanied with the requisite tender document cost may not be opened.

- To sign the contract agreement within 15 days of placement of LOA/Award letter.

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Serial No. : 1318300

NTT Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW
SPCS/202102046 Dated:- 23-02-2021

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- To furnish the required performance guarantee, in accordance with the tender document.

25. Period of Validity of Bid:

Bids shall remain valid for a period of 180 days after the closing date prescribed by the CESL for the receipt of bids. A bid valid for a shorter period may be rejected by the CESL as being non-responsive. In exceptional circumstances, the CESL may solicit the bidder's consent to an extension of the bid validity period. The request and response thereto shall be made in writing thro' letters/ e-mails. If the bidder accepts to prolong the period of validity, the bid security/EMD shall also be suitably extended. A bidder may refuse the request for Bid Validity Extension without forfeiting its bid security. A bidder granting the request will not be required nor permitted to modify its bid

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Serial No. : 1318300

ANNEXURE-I
Price-Bid (for Amravati)

THIS PRICE BID IS FOR REFERENCE PURPOSE ONLY. BIDDER SHOULD FILL THE PRICES ONLINE ONLY.

Name of the Work: Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India.

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 Dated: - 23-02-2021

S.No	Description	Unit of Measurement (UOM)	Qty	Base Price per Unit (in Rs.)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis (In Words)
		1.	2.	3.	4=3*2	5
	Part - A: Supply Works package (to site)					
A	Supply of SPGS including Solar PV modules Grid Tie Inverter, MMS, Transformers, AJB, Cables, LT/HT Switchgear, Connectors etc. (As per annexure-II) required for successful commissioning	Watt (W)	1			
	Part – B: Transportation					
B	Inland transportation Including loading, unloading and transfer to Site, insurance and other costs incidental to delivery	Watt (W)				
	Part - C: Erection, Installation and Commissioning Package					
C	Erection, Installation & Commissioning of SPGS project	Watt (W)	1			
	Part-D: Operation & Maintenance for 12 years					
D	Operation and Maintenance for Twelve Years	Watt (W)	1			
	Grand Total = A+B+C+D					

***Please note that Base Price Unit is inclusive of all duties & cess and exclusive of GST (In Rs.)**



NOTE:-

Prices quoted against cost of Operation and Maintenance (Part D of the price bid table) should not be less than 12% of the total project cost (i.e. Part A + Part B + Part C + Part D of the price bid). In case, cost of Part-D is less than 12% of total of Part A + Part B + Part C + Part D, then in LoA, the cost part D shall be fixed at 12% of total of Part A + Part B + Part C + Part D, and cost of Part A + Part B + Part C shall be reduced proportionately, keeping total of Part A + Part B + Part C + Part D equal to cost quoted in price bid. Detailed price bid table may be referred for each Part mentioned above.

Other terms and conditions

1. The Bidder shall indicate in the Price Bid, the unit prices in ₹ (INR) and total Bid prices of the Goods & Services in the prescribed format only. Bidders shall quote for the complete requirement of Goods and Services specified under the Contract on a single responsibility basis, failing which such Bids will not be taken into account for evaluation and will not be considered for award.
2. The bidder should compulsorily quote for all heads in the price-bid format for which separate analysis/ reasonable estimation of all heads should be done by the bidder before quoting the rates in the financial bid. Any contravention may lead to rejection of offer submitted.
3. If there is a discrepancy between words and figures, the amount written in words will prevail.
4. Any other item as required for commissioning the system for reliable and efficient operation to be provided within the quoted price.
5. Successful bidder should mandatorily registered himself under GST act in respective state, where the goods/services will be rendered.
6. The bidder shall submit PAN and Service Tax Registration Certificate in support of claim of service tax.
7. Please note that selection of the bidder will be done on the technically acceptable and L-1 (Lowest One) price basis. Bidder should quote for complete scope of work as defined above.
8. Prices will remain firm till the execution of the contract.
9. The bidder shall quote the price on FOR Destination basis

I/We have read all the terms and conditions of RfP/IFB/NIT and the annexures thereto and agree to accept and abide by the same in toto. The above quotation has been prepared after taking into account all the terms and conditions of RfP/IFB/NIT.

(SEAL)

Signature of Tenderer or

Their Authorized Representative: _____

Dated: _____

Name & Address of Tenderer: _____

Phone No: _____

Fax no.: _____

E-Mail: _____



Price-Bid (for Yavatmal)

THIS PRICE BID IS FOR REFERENCE PURPOSE ONLY. BIDDER SHOULD FILL THE PRICES ONLINE ONLY.

Name of the Work: Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India.

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 **Dated:** - 23-02-2021

S.No	Description	Unit of Measure ment (UOM)	Qty	Base Price per Unit (in Rs.)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis) (In Words)
		1.	2.	3.	4=3*2	5
	Part - A: Supply Works package (to site)					
A	Supply of SPGS including Solar PV modules Grid Tie Inverter, MMS, Transformers, AJB, Cables, LT/HT Switchgear, Connectors etc. (As per annexure-II) required for successful commissioning	Watt (W)	1			
	Part – B: Transportation					
B	Inland transportation Including loading, unloading and transfer to Site, insurance and other costs incidental to delivery	Watt (W)	1			
	Part - C: Erection, Installation and Commissioning Package					
C	Erection, Installation & Commissioning of SPGS project	Watt (W)	1			
	Part-D: Operation & Maintenance for 12 years					
D	Operation and Maintenance for Twelve Years	Watt (W)	1			
	Grand Total = A+B+C+D					

***Please note that Base Price Unit is inclusive of all duties & cess and exclusive of GST (In Rs.)**

NOTE:-

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW SPGS/202102046 Dated: - 23-02-2021	SECTION-4 (Technical & SCC)	Page 31 of 69
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SIGNATURE: MAHENDRA SINGH, C=IN, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318306



Prices quoted against cost of Operation and Maintenance (Part D of the price bid table) should not be less than 12% of the total project cost (i.e. Part A + Part B + Part C + Part D of the price bid). In case, cost of Part-D is less than 12% of total of Part A + Part B + Part C + Part D, then in LoA, the cost part D shall be fixed at 12% of total of Part A + Part B + Part C + Part D, and cost of Part A + Part B + Part C shall be reduced proportionately, keeping total of Part A + Part B + Part C + Part D equal to cost quoted in price bid. Detailed price bid table maybe referred for each Part mentioned above.

Other terms and conditions

1. The Bidder shall indicate in the Price Bid, the unit prices in ₹ (INR) and total Bid prices of the Goods & Services in the prescribed format only. Bidders shall quote for the complete requirement of Goods and Services specified under the Contract on a single responsibility basis, failing which such Bids will not be taken into account for evaluation and will not be considered for award.
2. The bidder should compulsorily quote for all heads in the price-bid format for which separate analysis/ reasonable estimation of all heads should be done by the bidder before quoting the rates in the financial bid. Any contravention may leads to rejection of offer submitted.
3. If there is a discrepancy between words and figures, the amount written in words will prevail.
4. Any other item as required for commissioning the system for reliable and efficient operation to be provided within the quoted price.
5. Successful bidder should mandatorily registered himself under GST act in respective state, where the goods/services will be rendered.
6. The bidder shall submit PAN and Service Tax Registration Certificate in support of claim of service tax.
7. Please note that selection of the bidder will be done on the technically acceptable and L-1 (Lowest One) price basis. Bidder should quote for complete scope of work as defined above.
8. Prices will remain firm till the execution of the contract.
9. The bidder shall quote the price on FOR Destination basis

I/We have read all the terms and conditions of RfP/IFB/NIT and the annexures thereto and agree to accept and abide by the same in toto. The above quotation has been prepared after taking into account all the terms and conditions of RfP/IFB/NIT.

(SEAL)

Signature of Tenderer or

Their Authorized Representative: _____

Dated: _____

Name & Address of Tenderer: _____

Phone No: _____

Fax no.: _____

E-Mail: _____



Price-Bid (for Washim)

THIS PRICE BID IS FOR REFERENCE PURPOSE ONLY. BIDDER SHOULD FILL THE PRICES ONLINE ONLY.

Name of the Work: Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India.

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 **Dated:** - 23-02-2021

S.No	Description	Unit of Measurement (UOM)	Qty	Base Price per Unit (in Rs.)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis) (In Words)
		1.	2.	3.	4=3*2	5
	Part - A: Supply Works package (to site)					
A	Supply of SPGS including Solar PV modules Grid Tie Inverter, MMS, Transformers, AJB, Cables, LT/HT Switchgear, Connectors etc. (As per annexure-II) required for successful commissioning	Watt (W)	1			
	Part – B:					
B	Inland transportation Including loading, unloading and transfer to Site, insurance and other costs incidental to delivery	Watt (W)	1			
	Part - C: Erection, Installation and Commissioning Package					
C	Erection, Installation & Commissioning of SPGS project	Watt (W)	1			
	Part-D: Operation & Maintenance for 12 years					
D	Operation and Maintenance for Twelve Years	Watt (W)	1			
	Grand Total = A+B+C+D					

***Please note that Base Price Unit is inclusive of all duties & cess and exclusive of GST (In Rs.)**

NOTE:-

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW SPGS/202102046 Dated:- 23-02-2021	SECTION-4 (Technical & SCC)	Page 33 of 69
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SIGNATURE OF MAHENDRA SINGH, CHIEF DELHI, CID-2.5.4.17-110003, OU=SUPPLY CHAIN MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300



Prices quoted against cost of Operation and Maintenance (Part D of the price bid table) should not be less than 12% of the total project cost (i.e. Part A + Part B + Part C + Part D of the price bid). In case, cost of Part-D is less than 12% of total of Part A + Part B + Part C + Part D, then in LoA, the cost part D shall be fixed at 12% of total of Part A + Part B + Part C + Part D, and cost of Part A + Part B + Part C shall be reduced proportionately, keeping total of Part A + Part B + Part C + Part D equal to cost quoted in price bid. Detailed price bid table maybe referred for each Part mentioned above.

Other terms and conditions

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4. Any other item as required for commissioning the system for reliable and efficient operation to be provided within the quoted price.
5. Successful bidder should mandatorily registered himself under GST act in respective state, where the goods/services will be rendered.
6. The bidder shall submit PAN and Service Tax Registration Certificate in support of claim of service tax.
7. Please note that selection of the bidder will be done on the technically acceptable and L-1 (Lowest One) price basis. Bidder should quote for complete scope of work as defined above.
8. Prices will remain firm till the execution of the contract.
9. The bidder shall quote the price on FOR Destination basis

I/We have read all the terms and conditions of RfP/IFB/NIT and the annexures thereto and agree to accept and abide by the same in toto. The above quotation has been prepared after taking into account all the terms and conditions of RfP/IFB/NIT.

(SEAL)

Signature of Tenderer or

Their Authorized Representative: _____

Dated:

Name & Address of Tenderer:

Phone No: _____

Fax no.: _____

E-Mail: _____



Price-Bid (for Chandrapur)

THIS PRICE BID IS FOR REFERENCE PURPOSE ONLY. BIDDER SHOULD FILL THE PRICES ONLINE ONLY.

Name of the Work: Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India.

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 Dated: - 23-02-2021

S.No	Description	Unit of Measure ment (UOM)	Qty	Base Price per Unit (in Rs.)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis) (In Words)
		1.	2.	3.	4=3*2	5
	Part - A: Supply Works package (to site)					
A	Supply of SPGS including Solar PV modules Grid Tie Inverter, MMS, Transformers, AJB, Cables, LT/HT Switchgear, Connectors etc. (As per annexure-II) required for successful commissioning	Watt (W)	1			
	Part – B:					
B	Inland transportation Including loading, unloading and transfer to Site, insurance and other costs incidental to delivery	Watt (W)				
	Part - C: Erection, Installation and Commissioning Package					
C	Erection, Installation & Commissioning of SPGS project	Watt (W)	1			
	Part-D: Operation & Maintenance for 12 years					
D	Operation and Maintenance for Twelve Years	Watt (W)	1			
	Grand Total = A+B+C+D					

***Please note that Base Price Unit is inclusive of all duties & cess and exclusive of GST (In Rs.)**

NOTE:-

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW SPGS/202102046 Dated: - 23-02-2021	SECTION-4 (Technical & SCC)	Page 35 of 69
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SIGNATURE OF MAHENDRA SINGH, CHIEF DELHI, CID-2.5.4.17-110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300



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(SEAL)

Signature of Tenderer or

Their Authorized Representative: _____

Dated:

Name & Address of Tenderer:

Phone No: _____

Fax no.: _____

E-Mail: _____

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW
SPGS/202102046 Dated:- 23-02-2021

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SIGNATURE OF MAHENDRA SINGH, ST-DELHI, CID-2.5.4.17-110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300



Price-Bid (for Wardha)

THIS PRICE BID IS FOR REFERENCE PURPOSE ONLY. BIDDER SHOULD FILL THE PRICES ONLINE ONLY.

Name of the Work: Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India.

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 **Dated:** - 23-02-2021

S.No	Description	Unit of Measure ment (UOM)	Qty	Base Price per Unit (in Rs.)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis) (In Words)
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	Part - A: Supply Works package (to site)					
A	Supply of SPGS including Solar PV modules Grid Tie Inverter, MMS, Transformers, AJB, Cables, LT/HT Switchgear, Connectors etc. (As per annexure-II) required for successful commissioning	Watt (W)	1			
	Part – B:					
B	Inland transportation Including loading, unloading and transfer to Site, insurance and other costs incidental to delivery	Watt (W)	1			
	Part - C: Erection, Installation and Commissioning Package					
C	Erection, Installation & Commissioning of SPGS project	Watt (W)	1			
	Part-D: Operation & Maintenance for 12 years					
D	Operation and Maintenance for Twelve Years	Watt (W)	1			
	Grand Total = A+B+C+D					

***Please note that Base Price Unit is inclusive of all duties & cess and exclusive of GST (In Rs.)**

NOTE:-

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW SPGS/202102046 Dated: - 23-02-2021	SECTION-4 (Technical & SCC)	Page 37 of 69
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SIGNATURE: MAHENDRA SINGH, Sr. DELHI, CID: 2.5.4.17-110003, OU=SUPPLY CHAIN MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300



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(SEAL)

Signature of Tenderer or

Their Authorized Representative: _____

Dated:

Name & Address of Tenderer:

Phone No: _____

Fax no.: _____

E-Mail: _____

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW
SPGS/202102046 Dated:- 23-02-2021

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69

SIGNATURE OF MAHENDRA SINGH, Sr. DELHI, CID: 2.5.4.17-110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300



Price-Bid (for Buldhana)

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NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 Dated: - 23-02-2021

S.No	Description	Unit of Measurement (UOM)	Qty	Base Price per Unit (in Rs.)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis) (In Words)
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	Part - A: Supply Works package (to site)					
A	Supply of SPGS including Solar PV modules Grid Tie Inverter, MMS, Transformers, AJB, Cables, LT/HT Switchgear, Connectors etc. (As per annexure-II) required for successful commissioning	Watt (W)	1			
	Part – B:					
B	Inland transportation Including loading, unloading and transfer to Site, insurance and other costs incidental to delivery	Watt (W)	1			
	Part - C: Erection, Installation and Commissioning Package					
C	Erection, Installation & Commissioning of SPGS project	Watt (W)	1			
	Part-D: Operation & Maintenance for 12 years					
D	Operation and Maintenance for Twelve Years	Watt (W)	1			
	Grand Total = A+B+C+D					

***Please note that Base Price Unit is inclusive of all duties & cess and exclusive of GST (In Rs.)**

NOTE:-

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW SPGS/202102046 Dated: - 23-02-2021	SECTION-4 (Technical & SCC)	Page 39 of 69
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SIGNATURE OF MAHENDRA SINGH, C=IN, DELHI, CID:2.5.4.17-110003, OU=SUPPLY CHAIN MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300



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(SEAL)

Signature of Tenderer or

Their Authorized Representative: _____

Dated:

Name & Address of Tenderer:

Phone No: _____

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NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW
SPGS/202102046 Dated: 23-02-2021

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69

SIGNATURE OF MAHENDRA SINGH, Sr. DELHI, CID: 2.5.4.17-110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300



Price-Bid (for Bhandara)

THIS PRICE BID IS FOR REFERENCE PURPOSE ONLY. BIDDER SHOULD FILL THE PRICES ONLINE ONLY.

Name of the Work: Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India.

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 Dated: - 23-02-2021

S.No	Description	Unit of Measure ment (UOM)	Qty	Base Price per Unit (in Rs.)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis)	Total Cost exclusive of GST (In Rs.) on F.O.R Destination Basis) (In Words)
		1.	2.	3.	4=3*2	5
	Part - A: Supply Works package (to site)					
A	Supply of SPGS including Solar PV modules Grid Tie Inverter, MMS, Transformers, AJB, Cables, LT/HT Switchgear, Connectors etc. (As per annexure-II) required for successful commissioning	Watt (W)	1			
	Part – B: Transportation					
B	Inland transportation Including loading, unloading and transfer to Site, insurance and other costs incidental to delivery	Watt (W)	1			
	Part - C: Erection, Installation and Commissioning Package					
C	Erection, Installation & Commissioning of SPGS project	Watt (W)	1			
	Part-D: Operation & Maintenance for 12 years					
D	Operation and Maintenance for Twelve Years	Watt (W)	1			
	Grand Total = A+B+C+D					

***Please note that Base Price Unit is inclusive of all duties & cess and exclusive of GST (In Rs.)**

NOTE:-

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW SPGS/202102046 Dated: - 23-02-2021	SECTION-4 (Technical & SCC)	Page 41 of 69
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SIGNATURE OF MAHENDRA SINGH, CHIEF DELHI, CID-2.5.4.17-110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
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NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW
SPGS/202102046 Dated: 23-02-2021

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Page 42 of
69

SIGNATURE OF MAHENDRA SINGH, Sr. DELHI, CID: 2.5.4.17-110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300



ANNEXURE- II

Minimum Technical Specifications of Solar Power Generating System(s) are as follow:

The main objective of the design philosophy is to construct the plant with in-built Quality and appropriate redundancy to achieve high availability and reliability with minimum maintenance efforts. In order to achieve this, the following principles shall be adopted while designing the system.

Adequate capacity of SPV modules, PCUs, Junction boxes etc. to ensure generation of power as per design estimates. This will be done by applying liberal de-rating factors for the array and recognizing the efficiency parameters of PCUs, transformers, conductor losses, system losses, site conditions etc. Strict compliance with approved and proven quality assurance (QA) systems and procedures during different stages of the project, starting from sizing, selection of make, shipment, storage (at site), during erection, testing and commissioning. System design shall have intelligent protection mechanism which may include very fast responsive microprocessor based relays etc., so that any disturbance from the grid will not cause any damage to the equipment of the Solar Power Plant.

Shadow free plant layout to ensure minimum losses in generation during the day time. Higher system voltage and lower current options to be followed to minimise ohmic losses. Selection of PCUs with proven reliability and minimum downtime. Ready availability of requisite spares.

Careful logging of operational data / historical information from the Data Monitoring Systems, and periodical analysis of the same to identify any abnormal or slowly deteriorating conditions.

Each component offered by the bidder shall be of established reliability. The minimum target reliability of each equipment shall be established by the bidder considering its mean time between failures and mean time to restore, such that the availability of complete system is assured. Bidder's recommendation of the spares shall be on the basis of established reliability.

Bidder shall design the plant and equipment in order to have sustained life of 25 years with minimum maintenance efforts.

1. Bill of Material:

The equipment and material for 2 to 10 MW Grid Interactive Solar Power Generating Systems (SPGS) with associate system (typical) shall include, but not limited to the following:

Item Details (along with make & specifications)	Unit
Solar PV modules	Nos.
Module Mounting Structures including fasteners and clamps	Set
Main Junction Boxes with monitoring capabilities	Lot
Solar module array to Junction box Interconnection cable (Cu), MC4 Connectors	RM
Junction box to Inverter Interconnection Cable (Cu/ Al)	RM
Connection accessories – lugs, ferrules, glands, terminations etc.	Lot
AC Cable (LT/ HT) of appropriate sizes	RM
Power Conditioning Units/ Inverters	Nos.
String level monitoring system (SCADA) and ancillaries	Set
Transformer(s)	Set
Circuit breakers, CT and PT set (at all voltage levels used)	Set



11 kV or 22 kV Indoor/ outdoor interfacing panels with CT, VCB, PT, Relays etc.	Set
11 kV or 22 kV XLPE Outgoing feeder cable and associated infrastructure	Set
AC & DC distribution panels/ boards, PDB, LDB etc.	Lot
Control and Relay Panel	Lot
Lightning Arresters of suitable ratings	Nos.
Earth mat for switch yard, DC field array and equipment	Lot
Control and power cables	Lot
Surge Protection devices and Fuses	Set
Earth cables, flats and earthing pits	Lot
Equipment and Control room with associated equipment	Lot
Rubber Mats for specific kV ratings and safety gadgets, PPE etc.	Lot
Fire extinguisher - Foam type, CO2 type, ABC type etc., as applicable	Lot
Sand Buckets	Lot
Discharge Rods	Lot
Cable for power evacuation with suitable support system.	Lot
Power efficient peripheral lighting arrangement for the Plant safety	Nos.
Fire – Alarm system and signboards	Lot
Danger sign plates, anti-climbing etc.	Lot

All the information shown here is indicative only and may vary as per design and planning by the Contractor. The Contractor must provide the BOM of the Plant as per the design during the time of bidding. Further, the detailed BOM shall be submitted for approval during execution period.

2. Technical specifications/parameter of Solar PV module and various other components for use in grid connected solar power plants

The Project selected under the RfP shall strictly adhere to the Central Electricity Authority (Technical Standards for Connectivity to the Grid) Regulations, 2007, as amended vide the Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2019, and subsequent amendments and clarifications.

All components of the PV plant shall be in accordance with technical specifications given in relevant IS/ IEC Standards. The design and commissioning also shall be as per latest IS/ IEC standards. The following are some of the technical measures required to ensure quality of the major components used in grid connected solar power Projects.

- (i) **SPV modules-** The SPV modules (340 Wp and above, fill factor of at least 75% and efficiency of at least 70%) used in the grid solar power projects must qualify to the latest edition of any of the following IEC PV module qualification test or equivalent BIS standards.
 - a. Crystalline Silicon Solar Cell Modules-IEC 61215
In addition, SPV modules must qualify to IEC 61730 for safety qualification testing at 1000 V DC or higher. The modules to be used in a highly corrosive atmosphere throughout their lifetime must qualify to IEC 61701.



- (ii) **Power conditioners/Inverters-** Contractor may deploy String or Central grid-tie string inverters. System will be designed at 1500 V. The Power Conditioners/Inverters of the SPV power plants must conform to the latest edition of IEC/ equivalent Indian Standards as specified below:

Efficiency Measurements	IEC 61683
Environmental Testing	IEC 60068-2/ IEC 62093
Electromagnetic Compatibility (EMC)	IEC 61000-6-2, IEC 61000-6-4 & other relevant parts of IEC 61000
Electrical Safety	IEC 62103/ 62109-1&2
Anti-Islanding Protection	IEEE1547/IEC 62116/ UL1741 or equivalent BIS Standards
LVRT compliance	As per latest CERC guidelines/regulations/order
Grid connectivity	Relevant CERC regulations (Including LVRT compliance) and Grid Code as amended and revised from time to time
Rated capacity	Nominal/rated output power of the inverter (if different power ratings are mentioned at different temperatures, then power rating at 50 deg. C shall be considered) in kW will be considered as inverter rated capacity.

- (i) **Cable and Connectors-** All the cables and connectors used for installation of solar field must be of solar grade which can withstand harsh environment conditions for 25 years from the COD/Commissioning and voltage as per latest IEC standards. (Note: IEC standard for DC cables for PV systems is under development. It is recommended that in the interim, the cables of 600-1800 V DC for outdoor installations should comply with the BS EN 50618:2014/2pfg 1169/08.2007 for service life expectancy of 25 years.
- (ii) **Other sub-systems/components-** Other subsystems/ components used in the SPV Power Plants (Cables, Connectors, Junction Boxes, Surge Protection Devices etc.) must also conform to the relevant international/national Standards for Electrical Safety/MAHAGENCO/MSEDCL standards besides that for Quality required for ensuring Expected Service Life and Weather Resistance.
- (iii) **Authorised test centres-** The PV modules/ Power Conditioners deployed in the Power Plants must have valid test certificates for their qualification as per above specified IEC/ BIS Standards by one of the NABL Accredited Test Centres in India. In case of module type/equipment for which test facilities may not exist in India at present, test certificate from reputed ILAC member body accredited labs abroad will be acceptable.
- (iv) **Warranty-** PV modules used in grid connected solar power plants must be warranted for peak output wattage, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years. The modules shall be warranted for at least 10 years for failures due to material defects and workmanship (to be extended till O&M period i.e. minimum 12 years). The mechanical structures, electrical works and overall workmanship of the grid solar power plants must be warranted for a minimum of 5 years (to be extended till O&M period i.e. minimum 12 years). The Inverters/ PCUs installed in the solar power plant must have a warranty for 5 years (to be extended till O&M period i.e. minimum 12 years).
- (v) **Identification and Traceability-** Each PV module used in any solar power Project must use a RF identification tag. The following information must be mentioned in the RFID used on each module (This can be inside or outside the laminate, but must be able to withstand harsh environmental conditions):
- Name of the manufacturer of PV Module
 - Name of the Manufacturer of Solar cells
 - Month and year of the manufacture (separately for solar cells and module)
 - Country of origin (separately for solar cells and module)



- e. I-V curve for the module at Standard Test Condition (1000 W/m², AM 1.5, 250C)
 - f. Wattage, Im, Vm and FF for the module
 - g. Unique Serial No. and Model No. of the module
 - h. Date and year of obtaining IEC PV module qualification certificate
 - i. Name of the test lab issuing IEC certificate
 - j. Other relevant information on traceability of solar cells and module as per ISO 9000
 - k. Contractors would be required to maintain accessibility to the list of Module IDs along with the above parametric data for each module
- (vi) **Performance monitoring-** All grid solar PV power projects must install necessary equipment to continuously measure solar radiation, ambient temperature, wind speed and other weather parameters and simultaneously measure the generation of DC power as well as AC power generated from the plant. They will be required to submit this data to CESL and MAHAGENCO/MSEDCL or any other designated agency on line and/or through a report on regular basis every month for the entire duration of project. In this regard bidder shall mandatorily also grant access to CESL and MAHAGENCO/MSEDCL or any other designated agency to the remote monitoring portal of the power plants on a 24x7 basis.

3. SCADA and Remote Monitoring System

- (i) The Plant shall be automatically operated and shall be controlled by microprocessor based control system SCADA and should be Open Platform Communications (OPC) compliant. There shall be simultaneous data logging, recording and display system for continuous monitoring of data for different parameters of different sub systems, power supply of the power Plant at DC side and AC side.
- (ii) An integrated SCADA shall be supplied which should be capable of communicating with all inverters and provide information of the entire Solar PV Grid interactive power Plant.
- (iii) The SCADA shall be string level monitoring compatible and shall have features of remote access to the real time data. SCADA shall have features for generating the day ahead schedule of generation based on historical data/ suitable logic. Also, system must be capable of sending the telemetry data to the local SLDC via GPRS/ GSM/ suitable mode.
- (iv) Computer-aided data acquisition unit shall be a separate & individual system comprising of different transducers to read the different variable parameters, A/D converter, multiplexer, de-multiplexer, interfacing hardware and software which will be robust & rugged suitable to operate in the control room environment.
- (v) Reliable sensors for solar insolation, temperature, and other weather and electrical parameters are to be supplied with the data logger unit.
- (vi) The Data Acquisition System should be housed in a desk made of steel sheet.
- (vii) All data shall be recorded chronologically date wise. The data file should be MS Excel/ CSV compatible. The data, if needed, can be accessible remotely through authorized access. The data logger shall have internal reliable battery backup and data storage capacity to record all sorts of data simultaneously round the clock. All data shall be stored in a common work sheet chronologically and representation of monitored data shall be in graphics mode or in tabulation form. All instantaneous data can be shown in the Computer Screen. Provision should be available for Remote Monitoring.
- (viii) SCADA shall measure and continuously record electrical parameters and provide following data (but not limited to) at a 5-15 minute interval.
- (ix) SCADA shall have feature to be integrated with the local system as well remotely via the web using either a standard modem or a GSM/WIFI modem. The Contractor shall provide compatible software and hardware so that data can be transmitted via. Standard modem.
In addition, Contractor shall also provide the live data (in required format) from various instrument such as Inverter, SMU, HT Panel, Weather Monitoring System (WMS), Temperature sensors etc. via APIs, FTP etc. at 5-15 minute interval, as and when required by CESL. This will be the Contractor's responsibility to apply and get the suitable connection for SCADA, office & control room on behalf of

the CESL/MAHAGENCO/MSEDCL & all the expenditures including payment of periodic bills of Internet provider shall be met by the Contractor.

- (x) SCADA shall be provided with reliable power supply along with backup supply for at least one hour to cater to outage of grid.
- (xi) The SCADA shall be compatible to the requirements for measuring and reporting the performance-ratio (PR) of the Plant.
- (xii) The Contractor shall provide all administrative rights/ privileges/passwords of the SCADA system to the CESL/MAHAGENCO/MSEDCL. The CESL/MAHAGENCO/MSEDCL have rights over the data generated in the Plant.

4. Guaranteed Energy Generation

- **Number of units generated per Annum**

For every 'KILO WATT (kW)' of solar PV modules installed by the contractor, the contractor shall guarantee the minimum energy generation (net energy exported to grid i.e. after deducting auxiliary consumption/import) as tabulated below. The guaranteed energy generation per annum at a particular site will be calculated based on pro rata basis based on the total installed plant capacity (kW). The guaranteed energy generation shall be calculated based on the energy reading recorded at the main billing meter at MSEDCL substation end.

Minimum no. of units generated by each system for 12 years is given below:

For a system capacity of 1 kW:

Energy Generation in kWh for 1st year	1,664
Energy Generation in kWh for 2nd year	1,658
Energy Generation in kWh for 3rd year	1,651
Energy Generation in kWh for 4th year	1,645
Energy Generation in kWh for 5th year	1,638
Energy Generation in kWh for 6th year	1,631
Energy Generation in kWh for 7th year	1,625
Energy Generation in kWh for 8th year	1,618
Energy Generation in kWh for 9th year	1,612
Energy Generation in kWh for 10th year	1,605
Energy Generation in kWh for 11th year	1,599
Energy Generation in kWh for 12th year	1,593

- The annual guaranteed energy generation is calculated for 12 months from the date of Commissioning/Commercial Operations Date (COD). The annual guaranteed energy generation from SPGS shall be calculated after deducting the auxiliary power consumption (including imports).
- The gross energy generation readings on monthly basis recorded from the billing meter (Main / Check). The energy bills submitted by the contractor to the CESL shall also clearly indicate the Gross Energy generated, imported by the plant.
- Contractor may deploy String or Central grid-tie string inverters

5. Generation compensation

i. Generation Compensation in offtake constraint due to transmission/Distribution network:

- o In any given year during the contract, if the availability of the distribution line/transmission line after inter-connection point for evacuation of power (during 8 am to 6 pm) falls below 98% i.e. the line unavailability is more than 2% i.e. 175.20 hours (2% x 365 days x 24 hours), and the power is not evacuated, for reasons not attributable to the bidder, then the generation loss shall be compensated by



CESL at the 75% of Purchase Per Unit Rate by MAHAGENCO from CESL so as to offset this loss as given below:

Duration of Grid Unavailability Provision for Generation Compensation

Grid unavailability in a contract year (only period from 8 am to 6 pm to be counted): Generation Loss = [(Average Generation per hour during the contract year) × (number of hours of grid unavailability beyond 175.20 hours i.e. 2% during the contract year)] Where, Average Generation per hour during the contract year (kWh) = Total generation in the contract year (kWh) ÷ Total hours of generation in the contract year Producer

ii. Generation compensation due to Backed Down:

In case of backing down situation, the bidder will be eligible for Minimum Generation Compensation from CESL after receipt of State Energy Account or any other relevant documents certified by MAHAGENCO/MSEDCL as under:

Duration of Back Down Minimum Generation Compensation

Hours of back down during monthly billing cycle Minimum Generation Compensation = 100% of (Average Generation per hour during the month) x (number of back down hours during the month) x Purchase Per Unit Rate by MAHAGENCO/MSEDCL
Where, Average Generation per hour during the month(kWh) = Total generation in the month(kWh)/Total hours of generation in the month.

- The contractor shall make the necessary arrangements to keep the record of Energy Generation, Plant Outages and Grid unavailability period via remote/manual monitoring. The loss of energy due to faults from the solar plant side shall not be considered for estimating the annual energy generation. The grid unavailability period shall be duly certified by the MAHAGENCO/MSEDCL and CESL officials. The grid unavailability report shall be submitted by contractor to MAHAGENCO/MSEDCL and CESL on a monthly basis with Joint Metering Reading (JMR).

The gross energy generation readings on monthly basis recorded from the billing meter (Main / Check). The energy bills submitted by the contractor to the CESL shall also clearly indicate the Gross Energy generated, imported by the plant.

6. Water Supply & Cleaning of Modules

- Contractor has to plan and install the effective module cleaning system as per the prevailing conditions at Site. The system may include the storage water tanks, pumps, laying of GI/HDPE/UPVC pipes, flexible pipes, taps/ valves, pressure gauges etc. as per the planning by the Contractor. Contractor has to submit the drawing/ plan for the proposed module cleaning system.
- All the pipes thus laid must be buried in ground at least 150 mm below FGL. Road crossings and drain crossings, the pipes must be passed through GI/ Hume pipes as applicable.
- In order to promote judicious and optimal utilization of water for cleaning of modules, bidder's are recommended to adopt robotic cleaning, foam cleaning (dry cleaning) etc. The use of robotic cleaning and anti-soiling coating technology on solar PV modules is among other emerging technologies e.g. hydrophobic, robotic cleaning etc.



ANNEXURE-III **QUALIFYING REQUIREMENTS**

In addition to the satisfactory fulfillment of requirements stipulated under section ITB, the following shall also apply:

Note: Apart from the criteria given below, past performance of bidder with CESL, i.e., related to quality, supply, performance, commissioning etc. shall be taken into consideration by CESL during bid evaluation.

Sr No. (A)	Criteria (B)	Documents to be submitted (C)	Particulars in brief of the Documents submitted by Bidder on Covering Letter (D)	Page No. (E)
1	<p>The bidder should be a firm registered/incorporated under Companies Act, 1956 or Companies Act, 2013, and further amendment (s)</p> <p>Consortium is allowed in this tender. (The consortium shall be allowed for meeting the financial criteria only. If the Implementing Partner is a consortium of two or more firms, all such firms shall be jointly and severally bound to the CESL for the fulfilment of the provisions of the Contract and shall designate one of such firms to act as a leader with authority to bind the consortium. The composition or the constitution of the consortium shall not be altered during the project period i.e. for 25 years.) In case of Consortium Lead Bidder must necessarily meet the above criteria.</p>	<p>Photocopy of Certificate of Incorporation issued by the Registrar of Companies</p> <p>AND</p> <p>Memorandum of Association, Article of Association needs to be attached along with the bid. The bidder should also highlight the relevant provision/article number which highlights the objects relating to the business fields mentioned in the previous column.</p>	<p>1. Nature of firm: under Companies Act.....</p> <p>2. Company Incorporation Certificate No. _____</p> <p>Date : _____,</p> <p>3. Article Number in AoA/MoA as per previous column.....</p>	Page No.....
2	<p>The bidder(s) shall be:</p> <p>(i) Manufacture of Solar PV Module</p> <p>OR</p> <p>(ii) Manufacturer of grid tie Solar Invertors</p> <p>OR</p> <p>(iii) System Integrator of Solar PV Power Plants /Developer of grid connected Solar PV</p>	<p>Factory registration under Indian Factories Act, 1948 or as applicable in bidder's country/ In case of System Integrator (SI), SI has to submit relevant documents (with undertaking on company letterhead) declaring/</p>	<p>1. Factory license Or</p> <p>1. Undertaking with related documents (for SI)</p>	



	<div>Power Plants/EPC Contractor</div> <div>In case of Consortium, Lead Bidder must necessarily meet the above criteria.</div>	highlighting the bidder as a SI																										
3	<div>Bidder should have successfully installed or commissioned or maintaining within the last three (03) years and that is similar to the proposed contract, where the cumulative capacity of the bidder's participation exceeds: -</div> <table><tr><th>Sr. No.</th><th>District</th><th>MW</th></tr><tr><td>1</td><td>Amravati</td><td>4.20</td></tr><tr><td>2</td><td>Yavatmal</td><td>4.5</td></tr><tr><td>3</td><td>Washim</td><td>2.4</td></tr><tr><td>4</td><td>Chandrapur</td><td>1.5</td></tr><tr><td>5</td><td>Wardha</td><td>3.6</td></tr><tr><td>6</td><td>Buldhana</td><td>0.6</td></tr><tr><td>7</td><td>Bhandara</td><td>2.4</td></tr></table> <div>In case, bidder applies for 2 lots, then combined experience in MW of both the lots will be considered for evaluation.</div> <div>The similarity of the Bidder's participation shall be based on: Design, Supply, Erection, Testing and Commissioning of grid connected solar PV power plants (solar power generating systems – SPGS) using multi crystalline technology.</div> <div>In case of Consortium Lead Bidder must necessarily meet the above criteria.</div>	Sr. No.	District	MW	1	Amravati	4.20	2	Yavatmal	4.5	3	Washim	2.4	4	Chandrapur	1.5	5	Wardha	3.6	6	Buldhana	0.6	7	Bhandara	2.4	<div>Copy of all the claimed Work/Purchase/Supply Orders/Contracts/LOAs</div> <div>AND</div> <div>Material Receipt Certificates/Work Completion Certificates/Payment Receipts/Client's Letter regarding release of Security Deposit/CPG on successful completion of Order are required to be submitted.</div>	<div>Tabular details comprising of Order No.; Order Date; Client's Name; Description of Project; Supply/Completion Period (with from-/to- dates); Ref. No. & Date of commissioning Certificates/ PO/Work Completion Certificates/other documents.</div>	
Sr. No.	District	MW																										
1	Amravati	4.20																										
2	Yavatmal	4.5																										
3	Washim	2.4																										
4	Chandrapur	1.5																										
5	Wardha	3.6																										
6	Buldhana	0.6																										
7	Bhandara	2.4																										
3	<div>Bidders should have Average Annual Turnover (ATO) of at least as following for immediately preceding last three financial years 2017-18, 2018-19 and 2019-20:</div> <table><tr><th>Sr. No.</th><th>District</th><th>ATO (in INR Cr.)</th></tr><tr><td>1</td><td>Amravati</td><td>15.37</td></tr><tr><td>2</td><td>Yavatmal</td><td>16.47</td></tr><tr><td>3</td><td>Washim</td><td>8.78</td></tr><tr><td>4</td><td>Chandrapur</td><td>5.49</td></tr><tr><td>5</td><td>Wardha</td><td>13.18</td></tr></table>	Sr. No.	District	ATO (in INR Cr.)	1	Amravati	15.37	2	Yavatmal	16.47	3	Washim	8.78	4	Chandrapur	5.49	5	Wardha	13.18	<div>Duly authorized copy of audited annual report is to be submitted by respondent along with CA certificate.</div>	<div>1. M/s _____</div> <div>2017-18 _____</div> <div>2018-19 _____</div> <div>2019-20 _____</div> <div>Or</div> <div>2016-17: _____</div>	<div>Page No....</div>						
Sr. No.	District	ATO (in INR Cr.)																										
1	Amravati	15.37																										
2	Yavatmal	16.47																										
3	Washim	8.78																										
4	Chandrapur	5.49																										
5	Wardha	13.18																										



	<table><tr><td>6</td><td>Buldhana</td><td>2.20</td></tr><tr><td>7</td><td>Bhandara</td><td>8.78</td></tr></table> <p>In case, bidder applies for 2 lots, then combined ATO of both the lots will be considered for evaluation.</p> <p>The bidder shall submit last 3 years' audited financial statements i.e. FY 2017-18, FY2018-19 & FY2019-20. Incase bidder is not able to provide the Audited Financial Statements for FY 2019-20 the unaudited financial statements duly signed by management to be provided Along With Statutory Auditor certificate verifying the Turnover , PAT & Net Worth in the prescribed format.</p> <p>Wherever the bidder is unable to furnish the audited financial statements for the FY 2019-20, the 3 consecutive years to be considered for evaluation will be FY 2016-17, FY 2017-18 & FY 2018-19.</p> <p>Turnover means operating income Profitability means: Profit after tax</p> <p>In case of Consortium Lead Bidder & consortium partner must meet the above criteria collectively.</p>	6	Buldhana	2.20	7	Bhandara	8.78		2017-18: 2018-19: 	
6	Buldhana	2.20								
7	Bhandara	8.78								
4	<p>The bidder should be profitable in last financial year 2019-2020. For financial years 2018-19, 2017-18 the respondent should be profitable in any one of the years.</p> <p>The bidder shall submit last 3 years' audited financial statements i.e. FY 2017-18, FY 2018-19 & FY2019-20. Incase bidder is not able to provide the Audited Financial Statements for FY 2019-20 the unaudited financial statements duly signed by management to be provided Along With Statutory Auditor certificate</p>	Duly authorized copy of audited annual report is to be submitted by respondent along with CA certificate.	M/s____ 2017-18 2018-19 2019-20_____ Or 2016-17: 2017-18: 2018-19: 	Page No.....						



	<p>verifying the Turnover , PAT & Net Worth in the prescribed format.</p> <p>Wherever the bidder is unable to furnish the audited financial statements for the FY 2019-20, the 3 consecutive years to be considered for evaluation will be FY 2016-17, FY 2017-18 & FY 2018-19.</p> <p>Turnover means operating income Profitability means: Profit after tax</p>			
5	<p>The Net worth of bidder as on the last day of preceding financial year (2019-20) shall not be less than 100% of the paid-up share capital.</p> <p>The bidder shall submit last 3 years' audited financial statements i.e. FY 2017-18, FY 2018-19 & FY2019-20. Incase bidder is not able to provide the Audited Financial Statements for FY 2019-20 the unaudited financial statements duly signed by management to be provided Along With Statutory Auditor certificate verifying the Turnover , PAT & Net Worth in the prescribed format.</p> <p>Wherever the bidder is unable to furnish the audited financial statements for the FY 2019-20, the 3 consecutive years to be considered for evaluation will be FY 2016-17, FY 2017-18 & FY 2018-19.</p> <p>Turnover means operating income Profitability means: Profit after tax</p>	Duly authorized copy of audited annual report is to be submitted along with a practicing CA's certificate.	<p>Net worth Details</p> <p>2019-20:_____</p> <p>Or</p> <p>2018-19</p> <p>_____</p>	

For Start-up firms as per Gazette Notifications dated: 17-Feb-2016, G.S.R. 180 (E) and MSMEs relaxation will be given in this tender as per Clause No. 2.4 of Section 2 of this tender.



Note:

All the required documents must be properly annexed and submitted as mentioned above with necessary details in brief in column D.

Bidder is allowed to participate in consortium with NSIC. In case of Consortium of NSIC, the lead members & consortium partners shall not separately participate as independent bidder or as members of any other consortium in this bidding process. All bids in contravention of this shall be rejected.

In case party is participating in consortium as highlighted in S.no 1, the lead members & consortium partners shall not separately participate as independent bidder or as members of any other consortium in this bidding process. All bids in contravention of this shall be rejected.

- In case of participation as NSIC, it is clarified as consortium of maximum three members are allowed including NSIC as lead member. In one tender, only bid from one NSIC Consortium will be accepted.

- “Holding Company “and “Subsidiary “shall have the meaning ascribed to them as per Companies Act, 1956 or , in vogue.

- In case bidder has been found to be defaulting on the delivery/installation eriod (in LoA issued) as per assessment (supply, installation etc.) will be liable to be rejected.

- In case the Bidder does not meet the requirement of clause above on its own, it can quote on the basis of experience of its Subsidiary (ies) and/or Holding Company and/or Subsidiary (ies) of its Holding Company. In such a case the consolidated experience of Bidder and/or its Subsidiary (ies) and/or Holding Company and/or Subsidiary (ies) of its Holding Company shall be considered, as applicable.

- Net worth means the sum total of the paid up share capital and free reserves. Free reserve means all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.

- In case a bidder does not satisfy the ATO criteria, stipulated on its own, the holding company would be required to meet the stipulated turnover requirements at above, provided that the net worth of such holding company as on the last day of the preceding financial year is at least equal to or more than the paid-up share capital of the holding company. In such an event, the bidder would be required to furnish along with its bid, a Letter of Undertaking from the holding company, supported by Board Resolution, as per the format enclosed in the bid documents (attachment-9 section-6 Forms & Procedures, pledging unconditional and irrevocable financial support for the execution of the Contract by the bidder in case of award. However, Bidder & Holding company, both in this case still has to meet the profitability criteria as highlighted at clause 4 above.

- Other income shall not be considered for arriving at annual turnover.

- The supporting documents in support of above Qualification Requirement should be submitted along with tender document, otherwise Techno-commercial offer submitted by the bidder is liable to be considered as non-responsive.

- All the required documents must be properly annexed and submitted as mentioned above with necessary details in brief.

NOTE:

- 1) The supporting documents in support of above Qualification Requirement should be submitted along with tender document, otherwise tender will rejected.



2) All the required documents must be properly annexed and submitted as mentioned above with necessary details in brief in column D.



Format 1

Information on Average Annual Turnover

{To be printed on the Letterhead of the bidder including full postal address, telephone, faxes and e-mail address}

Annual Turnover Data for the Last 3 Years

Year	Net Worth(in INR)	Amount (in INR)
2019-20		
2018-19		
2017-18		
Annual Average		

{This format should be certified by the practicing CA's of the Bidder}



Format 2

Information on Profitability

{To be printed on the Letterhead of the bidder including full postal address, telephone, faxes and e-mail address}

Profit before Tax Data for the last 3 years

Year	Amount (in INR)
2019-20	
2018-19	
2017-18	

{This format should be certified by the practicing CA of the Bidder}



Format 3**Records of similar work done during last 3 years**

Supporting documents for this Annexure shall be numbered as B1, B2, B3, etc.

Sr.No.	Name of Company, contact person, full address and contact number where street lights have been supplied during last 5 years	Date of work order (DD:MM:Y Y)	Value of work order (INR)	Annexure	For official use only
3.1	Name of Company:		Value of work Order:	B1: Copy of work order.	
	Address of Company:			B2: Certificate of satisfactory completion of work	
	Contact Person:			B3: Technical details of Supply/Executio n	



Appendix-1

List of project locations in Maharashtra

Sr no s	District name	Name of site	Name of substation	Distance from Substation, Km	Land availability, Hectare	Capacity approximate in MW
1	Amravati	Songaon, Tal. Chandur Railway	Chandur Railway	2.5	10	5
2		Sambhora, Tal. Chandur Railway	Chandur Bazar	8	12.03	6
3		Nimbhora de, Tal. Tiwasa	Warkhed	2.9	6	3
4	Yavatmal	Zadgoan, Tal. Ralegoan	Zadgaon	1	7.35	4
5		Sawar, Tal. Babhulgoan	Sawar	2	5	2
6		Dabha Khand-1, Tal. Balbhulgoan	Dabha	2	4.09	2
7		Ashti, Tal. Kalamb	Kotha	3	9.64	3
8		Vadgoan, Tal. Ralegoan	Wadaki	9.15	9.15	4
9	Washim	Pardi (Asara), Tal. Washim	Pimpalgaon	6	10	5
10		Rajgoan, Tal. Washim	Rajgaon	1.8	6	3
11	Chandrapur	Panchala, Tal. Rajura	Vihirgaon	3	6	3
12		Gangalwadi, Tal. Brahampuri	Gangalwadi	1.5	4.27	2
13	Wardha	Pandharkavda, Tal. Wardha	Anji	7	12	6
14		Pimpalkuta, Tal. Arvi	Pimpulkuta	1.5	8	4
15		Rasulabad, Tal. Arvi	Virul	9.5	4	2
16	Buldhana	Wadgoan (Tijan), Tal. Lonar	Sultanpur	2.75	4	2
17	Bhandara	Khairlanji, Tal. Mohadi	Jam	7.5	16	8

Note: CESL will notify additional sites to the successful bidder. CESL may add or delete project(s) at its sole discretion.

Appendix-2

Format for MoM, Proforma for site survey

Format for MoM during Site Survey

Minutes of Meeting held between DISCOM, M/s CESL and Contractor at _____ district for Small Solar Plant at _____ substation

Date: DD.MM.YYYY

A joint survey was conducted by CESL and/or DISCOM and Contractor for finalization of available area for small solar power plant. Drawings of solar array layout & structural drawings and following are the observations as tabulated below:

Sl No.	Description	Scope	Remarks
1	Tree cutting within the proposed/ marked area for solar installation	DISCOM	
2	Relocation of /Removal of existing HT lines from proposed/marked area for solar installation	DISCOM	
3	Provision of spare feeder/ bay extension for the solar power evacuation	DISCOM	
4	Provision for HT cable (with trenching) from solar plant HT panel to power evacuation point	DISCOM	
5	Fencing and approach road to solar plant	DISCOM	
6	Provision of solar material storage area		
7	Ground levelling and clearance	DISCOM	
8	DISCOM to confirm site handover date after completion of all above work	DISCOM	
9	Removal of all unused items in existing old control room and Availability of same for use of solar plant	DISCOM	
10	Submission of structure layout, SLD, etc. for approval to CESL/DISCOM	Site Survey +17 days	

**Contractor may add additional rows with time lines as per the scope of work by respective agencies*

Name	Designation	Signature



Proforma for Site Survey

Name of the Substation	
Rating of the Substation	
Date of Survey	



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7. Power House data	64
8. Distances.....	64
Control Room/	64
9. Drawings.....	64
Additional Points	64

1. General Data

Customer Name	
Survey Conducted By	
Contact/Nodal Official	
Designation	
E-Mail	
Telephone/Mobile	

2. Site Data

City			
Address			
Latitude and Longitude			
Nearest Railway Station			
Nearest Airport			
Location Type	<input type="checkbox"/> Residential	<input type="checkbox"/> Commercial	<input type="checkbox"/> Industrial
	<input type="checkbox"/> Defence	<input type="checkbox"/> Government	<input type="checkbox"/> Under-construction
Type of Area available	<input type="checkbox"/> Roof	<input checked="" type="checkbox"/> Ground	<input type="checkbox"/> Roof & Ground
Power Plant Type	<input type="checkbox"/> Off-grid	<input checked="" type="checkbox"/> Grid-tied	<input type="checkbox"/> Grid-interactive (Hybrid)



Type of Power Available	<input checked="" type="checkbox"/> Grid (Utility)	<input type="checkbox"/> Diesel Generator	<input type="checkbox"/> Wind
Inverter Availability	Room	<input type="checkbox"/> Available	<input type="checkbox"/> Not available

3. Climate Data

Parameters	Summer		Winter	
	Max	Min	Max	Min
Temperature				
Wind velocity				
Average rain fall per annum				

4. Land Data (for Ground installations)

Land area (sq. m) for setting up the solar plant	<input type="text"/>
Land Type	<input type="checkbox"/> Flat <input type="checkbox"/> Slope
Slope of Land	East / West / North / South facing
Approach road to site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Type of Soil	
Is available area shadow free?	<input type="checkbox"/> Yes <input type="checkbox"/> Partial Any obstructions nearby _____
Water availability	
Bore wells	Nos
Water supply	
Security at the plant	
Clearance of Land	
Is fencing available for complete project land	
Type of fencing	
Availability of periphery road	



5. Electrical data

Grid (Utility)	Voltage (kV) :	<input type="text"/>			
Frequency [Hz]:					
Availability of bay (Bay extension)					
Energy Details	Daily	Monthly	Yearly		
Energy Consumed (kWh)	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Min. Load	_____ kW _____ Amps				
Max. Load	_____ kW _____ Amps				
Average Load (kW)	_____ kW _____ Amps				
Minimum load During holidays or Weekends (kW)					
Tariff Paid (Rs.) (If any)					
Sanctioned Load (kW)	<input type="text"/>				
Duration of Power cuts at 11 kV (Avg) (interruptions only)	_____ Hours/month; _____ Hours/Year				
Incomer duration of Power cuts (interruptions only)	_____ Hours/Year				
Peak hour Duration		Peak hour time range			
No of Transformers					
Rating and Capacity of each Transformer					
Total Capacity of Transformers	MVA				

6. Control room

Size of the Control room	
Space availability for installation of new systems	

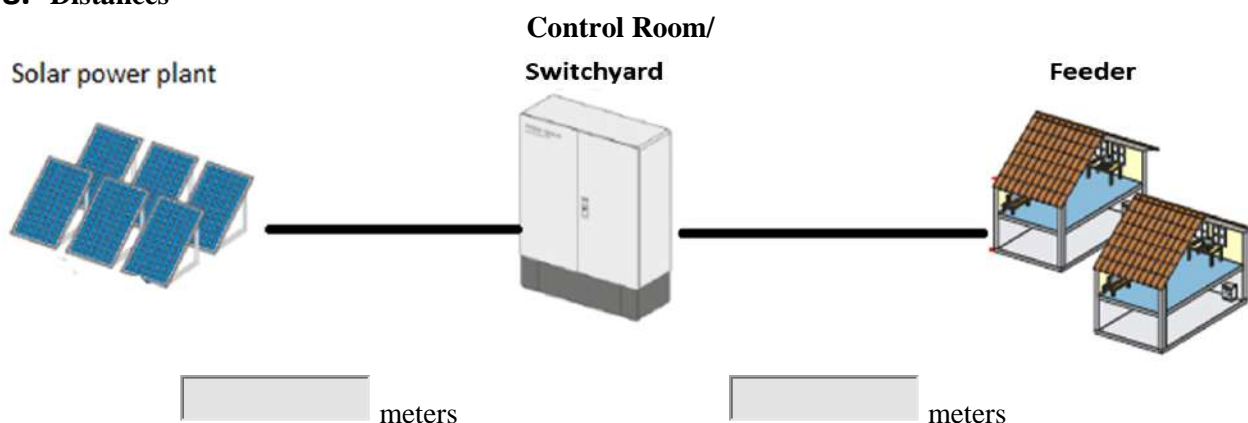


RMS / SLDC	
------------	--

7. Power House data

LT panel location	
Space availability in existing LT room	<input type="checkbox"/> Yes <input type="checkbox"/> No

8. Distances



9. Observations

Sl. No.	Particulars	rks
1	No of trees (and type, if any) in the proposed solar plant area	
2	No of LT and HT lines in the in the proposed solar plant area	
3	Availability of water (municipal, bore well etc)	
4	Any other land developmental activity required	

10. Drawings

Sl. No.	Drawing	hed
1	Master plant layout	
2	Single Line Diagram (SLD)	
3	Substation layout	

Dated:

Place:

Signature of CESL Representative

Signature of MAHAGENCO/MSEDCL Representative

Additional Points

1. Attach photographs of land or installation area facing east side
2. Give the details of obstruction for solar power plant
3. Provide photographs of Distribution board, in which power evacuation need to be done.

Appendix-3
Project Completion Report Format

S.No	Drawing Title	Location Name	Dwg. No.	Rev.	Submission Date	Dwg. Status (Approved or Not Approved)	Remarks (if any)	Size of Paper
1	CIVIL							
1.1	GA of Module Mounting Structure with Foundation Details							
2	General							
2.1	Modular Plant Layout along with Foundation Marking details.							
2.2	Shadow Analysis Report							
2.3	Lightning Arrestor Layout							
2.4	Earthing Layout							
3	Electrical							
3.1	Single Line Diagram- Supported by DC & AC Loss Calculation							
3.2	String Connection Layout							
3.3	GA & Wiring diagram of DCDB							
3.4	GA & Wiring diagram of ACDB							
3.5	DC & AC Cabling Layout along with Equipment Location, Conduit/ Cable Tray Layout.							
4	Other Documents/ Reports							
4.1	Staad Report with Design Certification from recognized Lab/Institution.							
4.2	PV Syst Report/Helio Scope report.							



4.3	Earthing Pit & Earthing Strip Size Calculation							
4.4	Technical Data Sheets(PV Module, Inverter, Metering Panel, SCADA, AC & DC Cable)							
4.5	Field Quality Plan							
4.6	BOQ for the Complete System Along With BOS							
4.7	BOQ of Structure Materials							

Note

1. The above list of drawings/document for each of the site is tentative. Any drawing/document required during detail engineering to complete the system, need to be submitted by the contractor further documents if required during the work process.
2. Field Quality Plan (FQP) to be submitted for approval before starting erection activities at site.
3. Test Certificates as per Standard for all major equipment required to be submitted before Erection of Plant.



Appendix-4

UNDERTAKING REGARDING WILLINGNESS TO CARRY OUT SITE DEVELOPMENT DEVELOPMENT ACTIVITIES

To,

Convergence Energy Services Limited.

(A wholly owned subsidiary of CESL)

5th&6thFloor,CORE-III,ScopeComplex,

Lodhi Road, New Delhi -110003.

Dear Sirs,

We hereby confirm and declare that we, M/s -----, is willing to carry out site development activities which, inter-alia, includes the following as per MSEDCL approved Schedule of Rates (SOR) at awarded sites (s):

1. Civil Works including land development, fencing works, drilling borewells/water supply arrangements and others .

For (Name of Bidder with seal)

Authorized Signatory

Address of Bidder

Date:

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW
SPGS/202102046 Dated:- 23-02-2021

SECTION-4
(Technical & SCC)

Page 67 of
69

SIGNATURE OF MAHENDRA SINGH, ST-DELHI, CID-2.5.4.17-110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300




Appendix-5**Tentative Format for Execution Plan**

S No	District	Name of SS	Final capacity (kWp)	Material Supply (mention date or received/delivered)				Civil work at sites (mention date)				Installation and Commissioning (mention date)					CESL Remarks
				Solar PV modules	MM S	Inverters	Transformers	Marking	Piling	Civil foundation	Control room	IMS rection	Solar PV Modules mounting	Wiring & Cabling/ Earthing etc	Peripheral, Lighting, LA & Misc. works	Testing/Trial Run/ Shall be ready for commissioning	



Signature of bidder
With stamp & Address

(*bidder has to mandatorily submit the declaration as above. The bid shall be evaluated on the basis of this declaration. Providing false information may lead to technically non-responsiveness of the bid)

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/100 MW SPGS/202102046 Dated: 23-02-2021	SECTION-4 (Technical & SCC)	Page 69 of 69
	<small>SOURCE: C=MAHENDRA SINGH, ST=DELHI, QID.2.5.4.17=110003, QU=SUPPLY CHAIN MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN User ID : mahendra.singh Serial No : 131B3D0</small>	

SECTION 5

1. Measurement and Verification (M&V)

Not Applicable for this tender

NIT/BID Document No.:- CESL/06/2020-
21/MH/MAHAGENCO/SPGS/202102046 **Dated:-** 23-02-2021

Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

SECTION - 5 (M & V)

Page 1 of 1



SECTION-6

Forms & Procedures

ATTACHMENT – 1

BID FORM

To,
Assistant Manager (SCM)
Convergence Energy Services (P)
Limited.
(A 100% EESL Owned Subsidiary)
Core-5, 4th Floor, SCOPE Complex,
Lodhi Road, New Delhi-110003

Subject: - Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and O&M of 100 MW (AC) of Solar Power Generating System (SPGS) ranging from 2 MW to 10 MW at various locations in the State of Maharashtra, India.”

NIT/Bid Document No.: CESL/06/2020-21/MH/MAHAGENCO/SPGS/202102046 Dated:- 23-02-2021

Dear Sir,

With Reference to your subject IFB/RfP, we are pleased to submit our bid for “.....” in a sealed cover as detailed below:

Envelope 1: Bid document fee/cost of tender documents [wherever applicable], Bid Security Declaration, Bid Form, Power of attorney, Certificate regarding acceptance of important terms and conditions, Form of acceptance of CESL fraud prevention policy.

Envelope 2: Price Bid

We confirm that we have quoted as per instructions and terms and conditions of tender documents. We have submitted all the four attachments as stated in “Instructions to Bidders”

We declare that the prices left blank in price schedule/price bid will be deemed to have been included in the prices of other items. We confirm that except as otherwise specifically provided, our bid prices include all applicable taxes including service tax, entry tax (if any), duties, levies, charges as may be assessed on us.

We further declare that additional conditions, variations, deviations, if any, found in the proposal other than those listed in Attachment-5 save those pertaining to any rebates offered, shall not be given effect to.

We undertake, if our bid is accepted, we shall commence the work immediately upon your Letter of Intent /Letter of Award to us, to achieve completion of work within the time specified in the bidding documents.

If our bid is accepted, we undertake to provide contract performance securities and securities for Deed(s) of Joint Undertaking (as applicable) in the form and amounts and within the times specified in the bidding documents.

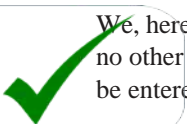
We agree to abide by this bid for a period 180 days from the date of opening of bids as stipulated in the bidding documents and it shall remain binding upon us and may be accepted by you at any time before the expiration of that period. Further, the prices of recommended spares, if asked for; contained in our bid shall re-main valid for the entire project period after placement of LoI/LoA.

Until a formal contract is prepared and executed between us, this bid, together with your written acceptance thereof in the form of your Letter of Intent/ Letter of Award shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any other bid you may receive.

We, hereby declare that only the persons or firms interested in this proposal as principals are named here and that no other persons or firms other than those mentioned herein have any interest in this proposal or in the contract to be entered into, if the award is made on us, that this proposal is made

Signature of _____
MANAGEMENT, CONVERGENCE ENERGY SERVICES LIMITED, E-11
User ID: mahendra.singh



without any connection with any other person, firm or party likewise submitting a proposal, is in all respects for and in good faith, without collusion or fraud.

Dated -----

NAME/S & AUTHORIZED SIGNATORIES

ADDRESS:

MOBILE NO.:

LAND LINE NO.:

Our correspondence details are:

1	Name of the bidder	
2	Address of the bidder	
3	Name of the contact person to whom all references shall be made regarding this tender	
4	Designation of the person to whom all references shall be made regarding this tender	
5	Address of the person to whom all references shall be made regarding this tender	
6	Telephone (with STD code)	
7	E-Mail of the contact person	
8	Fax No. (with STD code)	
9	GST No. of the bidder	



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

[Duly Notarized on Rs. 100/- Stamp Paper]

Bid Security Declaration

In reference to CESL Tender For “_____ [Subject of Tender]_____” published vide NIT/Bid Document No : _____ dated: _____, I, on behalf of _____ [Name of the bidder]_____ hereinafter referred to as “Bidder”,

- (a) understand that, according to tender conditions, bids must be supported by a Bid Security Declaration.
- (b) hereby submit a declaration that the bid submitted by the undersigned, on behalf of the Bidder, either sole or in JV or Company, shall not be withdrawn or modified during the period of bid validity as mentioned in the tender document.

I, on behalf of the Bidder, _____ [Name of the bidder]_____, also accept the fact that in case the bid is withdrawn or modified during the period of its validity or if _____ [Name of the bidder]_____ fail to sign the contract in case the work is awarded to us or fail to submit a performance security before the deadline defined in the tender document/letter of award, then _____ [Name of the bidder]_____ shall be suspended for participating in the tendering process of CESL, for a period of one (01) year from bid due date of above referred tender.

I, on behalf of the Bidder, _____ [Name of the bidder]_____, also understand that this Bid Securing Declaration shall cease to be valid if I am/we are not the successful Bidder, upon the earlier of

- (a) the receipt of your notification of the name of the successful Bidder; or
- (b) thirty days after the expiration of the validity of my/our Bid

Signed: _____ (insert signature of person whose name and capacity are shown)

in the capacity of: _____ (insert legal capacity of person signing the Bid Securing Declaration)

Name: _____ (insert complete name of person signing the Bid Securing Declaration)

Duly authorized to sign the bid for an on behalf of _____ [Name of the bidder]_____

Dated on _____ day of _____, 2021 (insert date of signing)

Corporate Seal (where appropriate)



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

ATTACHMENT - 3

Tender Document No/Package No:

Dated:

Package Details.....

POWER OF ATTORNEY

**BIDDER TO ATTACH THE POWER OF ATTORNEY IN THEIR OWN FORMAT on
100Rs Stamp Paper**



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, OID.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

ATTACHMENT - 4

Tender Document No/Package No:

Dated:

(CERTIFICATE REGARDING ACCEPTANCE OF IMPORTANT CONDITIONS)

Bidder's Name& Address

To,
Assistant Manager (SCM)
Convergence Energy Services (P) Limited.
(A 100% EESL Owned Subsidiary)
Core-5, 4th Floor, SCOPE Complex,
Lodhi Road, New Delhi-110003

Sub:

1.0 With reference to our bid proposal no.....dated.....**for**
..... / **Package**..... **no**
Dated....., we hereby confirm that we have read the following provisions of the following
clauses and further confirm that notwithstanding anything stated elsewhere to the contrary, the stipulation of
these clauses are acceptable to us and we have not taken any deviation to these clauses.

Governing Laws	-	Clause 7 of ITB
Settlement of Disputes	-	Clause 17 of ITB
Terms of payment	-	Clause 2.0 of SCC
Performance Security	-	Clause 5.9 of ITB
Taxes and Duties	-	Clause 8 of ITB
Completion Time Guarantee	-	Clause 9 of ITB
Defects Liability	-	Clause 10 of ITB
Functional Guarantee	-	Clause 11 of ITB
Patent Indemnity	-	Clause 2.25 of ITB
Limitations of Liability	-	Clause 2.27 of ITB
Project information, Estimation, bid Assumptions and conditions for Evaluation	-	As per Tables in price

We further confirm that any deviation to the above clauses found anywhere in our bid
proposal, implicit or explicit, shall stand unconditionally withdrawn, without any implication
to CESL.

Date:

Signature:

Place:

Printed Name:

Designation:

Common Seal

**Note: In the absence of this certificate, the bid shall be rejected and shall be returned unopened.
Bidder can take a print out of it and sign.**



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

ATTACHMENT - 5

NAME OF WORK:.....

BIDDING DOCUMENT NO.....

(Deviations Statement)

Bidder's Name and Address:

To,
Assistant Manager (SCM)
Convergence Energy Services (P) Limited.
(A 100% EESL Owned Subsidiary)
Core-5, 4th Floor, SCOPE Complex,
Lodhi Road, New Delhi-110003

Dear Sir,

The following are the deviations and variations from and exceptions to the terms, conditions and specification of the bidding documents for IFB/RfP No.
These deviations and variations are exhaustive. We are furnishing below the cost of withdrawal for the deviations and variations stated in this Attachment. We shall withdraw the deviations proposed by us in this Attachment at the cost of withdrawal indicated herein, failing which our bid may be rejected and bid security may be forfeited. We confirm that except for these deviations and variations, the entire work shall be performed as per your specifications and conditions of bidding documents. Further, we agree that additional conditions, variations, deviations if any, found in the proposal documents other than those stated in this Attachment, save those pertaining to any rebates offered, shall not be given effect to:

Section/ Part/ Chapter	Clause No.	Page No.	Statement of Deviations/ Variations	Cost of withdrawal
------------------------------	---------------	-------------	---	--------------------

A. COMMERCIAL DEVIATIONS:

B. TECHNICAL DEVIATIONS:

Date : (Signature).....

Place : (Printed Name).....

(Designation).....

(Common Seal)

Note: Continuations sheets of like size and format may be used as per Bidder's requirement.



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

(On Non – Judicial Stamp Paper of appropriate value and purchased in the name of executing Bank)

PROFORMA OF BANK GUARANTEE FOR CONTRACT PERFORMANCE

Ref.:
Bank Guarantee No.....
Date.....

To,

Convergence Efficiency Services Limited.
(A JV of PSUs of Ministry of Power, Govt. of India)
Core-3, 6th Floor,
SCOPE Complex,
Lodhi Road, New Delhi-110003

Dear Sirs,

In consideration of the CESL, (hereinafter referred to as the 'Owner,' which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assigns) having awarded to M/s with its Registered / Head Office at

..... (hereinafter referred to as the 'Contractor', which expression shall unless repugnant to the context or meaning thereof, include its successors, administrators and assigns), a Contract by issue of Owner's Letter of Award No datedand the same having been unequivocally accepted by the Contractor and the contractor (Scope of Contract) having agreed to provide a Contract Performance Guarantee for the faithful performance of the entire Contract equivalent to *% (percent) of the said value of the Contract to the Owner.

We (Name & address) having its Head Office at (hereinafter referred to as the 'Bank', which expression shall, unless repugnant to the context or meaning thereof, include its successors administrators, executors and assigns) do hereby guarantee and undertake to pay the Owner, on demand any all money payable by the Contractor to the extent ofas aforesaid at any time up to(days/months/year) without any demur, reservation, contest, recourse or protest and / or without any reference to the Contractor. Any such demand made by the Owner on the Bank shall be conclusive and binding notwithstanding any difference between the Owner and the Contractor or any dispute pending before any court, tribunal, Arbitrator or any other authority. The Bank undertakes not to revoke this guarantee during its currency without previous consent of the Owner and further agrees that the guarantee herein contained shall continue to be enforceable till the owner discharges this guarantee.

The owner shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee from time to time to extend the time for performance of the Contract by the Contractor. The owner shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they to enforce or to forbear to enforce any covenants, contained or implied, in the Contract between the owner and Contractor or any other course of or remedy or security available to the owner. The Bank shall not be released of its obligations under these presents by any exercise by the owner of its liberty with reference to the matters aforesaid on any of other indulgence shown by the owner or by any other matter or thing whatsoever which under law would, but for this provision, have the effect of relieving the Bank.

The Bank also agree that the Owner at its option shall be entitled to enforce this Guarantee against the Bank as a Principal debtor, in the first instance without proceeding against the Contractor and not withstanding any security or other guarantee that the owner may have in relation to the Contractor's liabilities.

Notwithstanding anything contained herein above our liability under this guarantee is restricted to.....and it shall remain in force up to and including**and shall be extended from time to time for such period (not exceeding one year), as may be desired by M/s.....on whose behalf this guarantee has been given.



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

Witness

Dated thisday of.....at.....

Witness

Signature

Name

Official Address

Signature

Bank's Rubber Stamp

Name

Designation with Bank Stamp

Attorney as per power of Attorney

No.....dated.....

Note: ** Validity of Bank Guarantee should be 90 days in excess of the period for which it is required.

BANK GUARANTEE CHECK LIST

1	Bank Guarantee No.	
2	Issuing Bank	
4	Nature of BG & No. of Pages	
5	Validity of BG	
6	Package Description	
7	Party & Contracts ref.	Name, Address, Tel, Fax, E—mail
8	Bank Reference	

CHECK LIST

S.No.	Details of Checks	YES / NO
a)	Is the BG on non-judicial Stamp Paper of appropriate value, as per Stamp Act ?	
b)	Whether date, purpose of purchase of stamp paper and name of the purchaser are indicated on the back of Stamp paper under the Signature of Stamp vendor? (The date of purchase of stamp paper should be not later than the date of execution of BG and the stamp paper should be purchased either in the name of the executing Bank or the party on whose behalf the BG has been issued. Also the Stamp Paper should not be older than six months from the date of execution of BG)	
c)	In case the BG has been executed on Letter Head of the Bank, whether adhesive Stamp of appropriate value has been affixed thereon?	
d)	Has the executing Officer of BG indicated the name, designation and Power of Attorney No./ Signing Power no. etc., on the BG?	
e)	Is each page of BG duly signed / initiated by executants and whether stamp of Bank is affixed thereon? Whether the last page is signed with full particulars including two witnesses under seal of Bank as required in the prescribed proforma?	
f)	Does the Bank Guarantees compare verbatim with the Proforma prescribed in the Bid Documents?	
g)	In case of any changes in contents of text, whether changes are of minor / clerical nature (which in no way limits the right of EESL in any manner)?	
h)	In case of deviations in text of BG, which materially affect the right of EESL, whether the changes have been agreed based on the opinion by Legal Department or BG I considered acceptable on the basis of opinion of law Department already available on the similar issue.	
i)	Are the factual details such as Bid Document No.NOA/LOA / Contact No., Contract Price, Percentage of Advance, Amount of BG and Validity of BG correctly mentioned in the BG?	
j)	Whether overwriting / cutting if any on the BG have been properly authenticated under signature and seal of executant?	
k)	Whether the BG has been issued by a Bank in line with the provisions of Bid /Contract documents?	



1)	In case BG has been issued by a Bank other than those specified of Bid / Contract Documents, is the BG confirmed by a Bank in India acceptable as per Bid / Contract documents?	
----	---	--

**LIST OF BANKS ACCEPTABLE FOR SUBMISSION OF BANK
GUARANTEES FOR ADVANCE PAYMENTS, PERFORMANCE
SECURITIES AND SECURITIES FOR DEED OF JOINT UNDERTAKING
SCHEDULED COMMERCIAL BANKS**

□ SBI and Associates

Sl.No.	Name of Banks	Sl. No.	Name of Banks
1.	State Bank of India	5.	State Bank of Mysore
2.	State Bank of Bikaner and Jaipur	6.	State Bank of Patiala
3.	State Bank of Hyderabad	7.	State Bank of Saurashtra
4.	State Bank of Indore	8.	State Bank of Travancore

□ Nationalised Banks

Sl.No.	Name of Banks	Sl. No.	Name of Banks
9.	Allahabad Bank	18.	Indian Overseas Bank
10.	Bank of India	19.	Oriental Bank of Commerce
11.	Bank of Maharashtra	20.	Punjab National Bank
12.	Canara Bank	21.	Punjab & Sind Bank
13.	Central Bank of India	22.	Syndicate Bank
14.	Corporation Bank	23.	Union Bank of India
15.	Dena Bank	24.	United Bank of India
16.	Indian Bank	25.	UCO Bank
17.	Vijaya Bank	26.	Bank of Baroda

C. Foreign Banks

Sl.No.	Name of Banks	Sl. No.	Name of Banks
27.	Bank of America NA	34.	Standard Chartered Bank
28.	The Bank of Tokyo-Mitsubishi UFJ Limited.	35.	Societe Generale
29.	BNP Paribas	36.	Barclays Bank
30.	Calyon Bank	37.	ABN Amro Bank N. V.
31.	Citi Bank N.A.	38.	Bank of Nova Scotia
32.	Deutsche Bank A. G.	39.	Development Bank of Singapore
33.	The Hong Kong and Shanghai Banking Corporation Ltd.		

D. SCHEDULED PRIVATE BANKS

Sl.No.	Name of Banks	Sl. No.	Name of Banks
40.	ING Vysya Bank Ltd.	43.	UTI Bank Ltd.
41.	ICICI Bank Ltd.	44.	YES Bank
42.	HDFC Bank Ltd.		

E. Other Public Sector Banks

Sl.No.	Name of Banks	Sl. No.	Name of Banks
45.	IDBI Ltd.		



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

FORM OF ACCEPTANCE OF FRAUD PREVENTION POLICY
(On the letter head)

To,
Assistant Manager (SCM)
Convergence Energy Services (P) Limited.
(A 100% EESL Owned Subsidiary)
Core-5, 4th Floor, SCOPE Complex,
Lodhi Road, New Delhi-110003

Sub: Letter of Acceptance of EESL Fraud Policy Ref: NIT/RFP No. NIT/BID Document No.:-

Dear Sir/Madam,

We have read the contents of the Fraud Prevention Policy of EESL and undertake that we along with our associate / collaborator / sub-contractors / sub-vendors / bidders/ service providers shall strictly abide by the provisions of the Fraud Prevention Policy of EESL.

Thanking You,

Yours faithfully,

Signature

Printed Name

Designation.....

Common Seal.....

Date:

Place:

FOR DETAILED POLICY, PLEASE VISIT OUR WEBSITE www.eeslindia.org



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

PROFORMA OF BANK GUARANTEE FOR ADVANCE PAYMENT

NOT APPLICABLE



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, OID.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 13183D0

PROFORMA OF LETTER OF UNDERTAKING**(TO BE FURNISHED ON NON-JUDICIAL STAMP PAPER OF APPROPRIATE VALUE)**

[To be executed by the Holding Company Supported by Board Resolution and submitted by the Bidder along with the Bid, in case financial support is being extended by the Holding Company to the Bidder for meeting the stipulated Financial Qualifying]

Ref.: NIT/Bid Document No.:

Our Reference NoDate:

Bidder's Name and Address:

To,
 Assistant Manager (SCM)
 Convergence Energy Services (P) Limited.
 (A 100% EESL Owned Subsidiary)
 Core-5, 4th Floor, SCOPE Complex,
 Lodhi Road, New Delhi-110003
 Dear Sir,

- 1.0 We, M/s..... (Name of the Holding Company) declare that we are the holding company of M/s..... (Name of the Bidder) and have controlling interest therein.

M/s..... (Name of the Bidder) proposes to submit the bid for the package (Name of the package) for (Name of the Project) under bid reference no..... dated and have sought financial strength and support from us for meeting the stipulated Financial Qualifying Requirement as per Clause Section 3 and its subsequent amendment.

- 2.0 We hereby undertake that we hereby pledge our unconditional & irrevocable financial support for the execution of the said package to M/s..... (Name of the Bidder), for the execution of the Contract, in case they are awarded the Contract for the said package at the end of the bidding process. We further agree that this undertaking shall be without prejudice to the various liabilities that M/s..... (Name of Bidder) would be required to undertake in terms of the Contract including the Performance Security as well as other obligations of M/s..... (Name of the Bidder).
- 3.0 This undertaking is irrevocable and unconditional, and shall remain in force till the successful execution and performance of the entire contract and/or till it is discharged by CESL.
- 4.0 We are herewith enclosing a copy of the Board Resolution in support of this undertaking.

Witness:**Yours faithfully,**

Signature :-
 Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
 MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
 User ID : mahendra.singh
 Serial No : 1318300

(1)

(2)

.....

(Signature of Authorized Signatory)

on behalf of the Holding Company

Name & Designation

Name of the Holding Company

(Seal of Holding Company)



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, OID.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

**REAL TIME GROSS SETTLEMENT (RTGS)/ NATIONAL ELECTRONIC
FUND TRANSFER (NEFT)**

From: M/s _____

Sub: RTGS/NEFT Payments

We are agree to accept admissible payments through electronic mode viz RTGS/NEFT. For this, we are providing the requisite information herein below. The RTGS/NEFT charges for the above facility may be deducted/Recovered from our admissible payment.

Name Of City	
Bank Code No.	
Branch Code No.	
Bank's Name	
Branch Address	
Branch Telephone/ Fax No.	
Supplier Account No.	
Type of Account	
IFSC Code for NEFT	
IFSC Code for RTGS	
Supplier's name as per Account	
Telephone No. of Supplier	
Supplier's E-mail ID	
GST No. of the supplier	

A cancelled cheque against above bank account number is also being enclosed.

Encl: As above:-

Confirmed by Banker
With Seal

Signature of supplier
With stamp & Address



Signature :-
 Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
 MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
 User ID : mahendra.singh
 Serial No : 1318300

ATTACHMENT –11

(Declaration for Quoted Districts. by the Bidder)

Ref. NIT/BID Document No.:-.....

Description: “.....

To,
Assistant Manager (SCM)
Convergence Energy Services (P) Limited.
(A 100% Owned Subsidiary)
Core-5, 4th Floor, SCOPE Complex,
Lodhi Road, New Delhi-110003

Sub.: **Declaration for the Quoted districts by bidder in the Tender**

Ref. above Tender, I/we (on behalf of M/s.....) hereby admit that I/we, have quoted for the following states.....in the above-referred Tender.

S.No.	District Name	Participated (Yes/No)
1	Amravati	
2	Yavatmal	
3	Washim	
4	Chandrapur	
5	Wardha	
6	Buldhana	
7	Bhandara	

Signature of bidder
With stamp & Address

(*bidder has to mandatorily submit the declaration as above. The bid shall be evaluated on the basis of this declaration. Providing false information may lead to technically non-responsiveness of the bid.)



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

Compliance Matrix/ CHECK – LIST FOR BIDDERS

Please ensure these major Terms & Conditions before submitting you bids in order to avoid REJECTION of your offer.

Sl	Details / Terms & Conditions	Applicable for	Yes / Attached	No	Reasons for non-compliance/ Remarks
1	EMD, If applicable	Indian Bidders			
2	EMD Exempted for being MSEs / Start-up	Indian Bidders			
	Relevant Certificate of MSEs / Start-up Certificate from DIPP is required to be submitted	Indian Bidders			
	In case of SC/ST entrepreneurs belonging to MSE, documentary proof submitted	Indian Bidders			
	In case of Women entrepreneurs belonging to MSE, documentary proof submitted	Indian Bidders			
	Declaration & Undertaking By Micro & Small Scale Enterprises / Start-up Companies	Indian Bidders			
3	Duly signed and company sealed copy of whole tender document	Indian Bidders			
4	Duly filled up and attached Technical (Unpriced) Bid & all applicable formats of Tender Document	Indian Bidders			
5	Separate sheet(s) for Deviation if any, from the tender conditions with seal and signature of authorized personnel	Indian Bidders			
6	GST Registration Certificate and PAN Card Copy.	Indian Bidders			



Signature :-
 Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
 MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
 User ID : mahendra.singh
 Serial No : 1318300

Compliance Matrix/Check-List for Bid Evaluation Criteria

[To be submitted on Letter Head]

Please ensure these major Terms & Conditions before submitting your bid in order to avoid REJECTION of your offer

Technical QR	Bidder qualification criteria for as per Tender terms and conditions. The relevant documentary evidence like work order copies, completion certificates etc. are required to be furnished along with technical bid substantiating the qualification towards relevant experience/technical criteria (Documentary proof to be attached along with the technical bid)			
Order/Award Nos	Order date and completion date	Order/Award Amount	Client Name	Description of Order/Award
Financial QR	Average Annual turnover of the bidder shall be as specified in tender documents in three preceding financial years. Copy of latest audited balance sheet, profit and loss account and copy of IT returns required to be furnished as asked in the tender.			
Financial Year	Annual Turnover	Net Worth	Profitability	
Other Mandatory Requirements				
Confirmation for Tender Terms and Conditions/EMD [Please tick (√) as applicable]				
1	Confirm that your bid is valid as per tender terms and conditions as on the last date of submission of the bid			
2	Confirm your compliance to TERMS AND CONDITIONS of bidding document			
Documentary evidence is attached for experience criteria as per QR is attached along with technical unpriced bid. Non-compliance to any of the QR will lead to outright rejection of the bid without any further reference to the bidders.				

The above mentioned points are major Terms & Conditions and are indicative in nature. Bidder shall carefully go through the detailed requirements, QR and other terms and conditions for better understanding and submit the bid accordingly.



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

Declaration regarding “Restrictions on procurement from a Bidder of a country which shares a land border with India”

(To be submitted on Applicant’s Letter Head)

To,
Assistant Manager (SCM)
Convergence Energy Services (P) Limited.
(A 100% EESL Owned Subsidiary)
Core-5, 4th Floor, SCOPE Complex,
Lodhi Road, New Delhi-110003

Dear Sir,

With reference to our bid proposal for participation in CESL tender NIT/Bid Document No : _____ dated : _____, I/we hereby confirm that, I/We have read the clause as mentioned in the tender document mentioned above regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries.

I/We certify that we/our Collaborator/JV Partner/Consortium member/Assignee are/is not from such a country or, if from such a country, have/has been registered with the Competent Authority and we will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent Authority.

We hereby certify that we fulfil all requirements in this regard and are eligible to be considered.

We further confirm that evidence of valid registration by the Competent Authority for us/our Collaborator/JV Partner/Consortium member/Assignee, as applicable, is enclosed as Annexure...

*Bidder to strike-off, if not applicable.

**Bidder to mention the Annexure no.

Date: _____

Place: _____

Seal of Organization & Signature

of Authorized Applicant



Signature :-
Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
User ID : mahendra.singh
Serial No : 1318300

CERTIFICATE REGARDING DECLARATION OF LOCAL CONTENT

[On the Letter Head]

To,
 Assistant Manager (SCM)
 Convergence Energy Services (P) Limited.
 (A 100% EESL Owned Subsidiary)
 Core-5, 4th Floor, SCOPE Complex,
 Lodhi Road, New Delhi-110003

Sub: Compliance of Minimum Local Content Requirement as mentioned in Ministry of Commerce and Industry Trade and order no. P-45021/2/2017-PP(BE-II) dated 16th Sept 2020

Ref: NIT/Bid Document No:

Dear Sir/Madam,

This is to certify that following is the local content percentage in the Smart meter and other components being offered/quoted against aforementioned tender by M/s

....., the same is in compliance with Ministry of Commerce and Industry order no: . **P-45021/2/2017-PP(BE-II) dated 16th Sept 2020** and the bidder shall strictly abide by all provisions of the subject notification.

Sr. No	Item(s)	Percentage of Local Content	Location(s) at which Local content addition is made
1			

Thanking You,

Yours faithfully,

Signature (Statutory Auditor/ Cost Auditor/
 Practising CA – As applicable)

..... Printed

Name.....

Seal.....

UDIN No

Date.....

Place.....



Signature :-
 Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
 MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
 User ID : mahendra.singh
 Serial No : 1318300

DECLARATION FOR OPTED PAYMENT TERM**(Declaration for opted payment term by the Bidder on Letter Head)**

Ref. NIT/Bid Document No.:.....
 {Description:.....)

To,
Convergence Energy Services Limited.
 (A wholly owned subsidiary of EESL)
 Core 3, Floor 2nd,
 Scope Complex, Lodhi Road
 New Delhi-110003

Sub.: Declaration for the opted payment term by the bidder in the Tendered Delivery Period.

Ref. above Tender, I/we (on behalf of M/s _____) hereby admit that I/we, have opted for the following payment term in the above-referred Tender:

S.No.	Payment term option	Opted (Yes/No)
1	Lot 1 (With 10% Advanced Bank Guarantee provision)	
2	Lot 2 (Without 10% Advanced Bank Guarantee provision)	

Signature of bidder
 With stamp & Address

*Bidder has to mandatorily submit the declaration as above and once declared, the opted payment term shall not be changed in the entire project duration.

**Please note that the evaluation of this RfP is independent of the payment term option. The options are provided to bidder for their convenience during the project execution.)



Signature :-
 Subject : CN=MAHENDRA SINGH, ST=DELHI, O=D.2.5.4.17=110003, OU=SUPPLY CHAIN
 MANAGEMENT, O=ENERGY EFFICIENCY SERVICES LIMITED, C=IN
 User ID : mahendra.singh
 Serial No : 1318300