



Bharat Heavy Electricals Limited
(A Government of India Undertaking)
Electronics Division
Mysore Road, Bangalore - 560 026

TENDER DOCUMENT FOR

Erection and commissioning works (BOS)

For

**22MW (AC) Floating Solar Photovoltaic Grid-
connected Power plant for NTPC**

at

Rajiv Gandhi Combined Cycle Power Project

Kayamkulam

in

Kerala

RFQ No.: EDN:PVENG:FSPV:NTPCK22MW:BOS

Date: 23.05.2020

ISSUED BY:

PUNAM MISHRA

SR. MANAGER

SC&PV-ENGG.

BHEL-EDN, BANGALORE

NIT ISSUED BY:
Punam Mishra
Sr. Manager-SC&PV (Engg.)

Seal and sign of Bidder



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❖ **PART-I OF THIS TENDER DOCUMENTS CONTAIN:**

1. Notice Inviting Tender
2. Technical-cum-commercial bid **(to be filled-up by tenderer and to be submitted with all required documents asked).**
3. Pre- Qualification Criteria
4. Instructions to Tenderer along with Enclosures
5. Special Condition of Contract along with its annexures
6. Unpriced Price Bid
7. BHEL General Conditions of Contract 2019 ("**For items billed to Nodal"- wherever state Karnataka is mentioned in GCC it has to be read as Kerala and for Items billed to EDN state Karnataka only to be referred.**")
8. Scope of Work Cum Technical Specification

❖ **PART-II: PRICE BID:**

1. Bill of quantity (BOQ) cum rate Schedule for scope of work

❖ **SUBMISSION OF OFFER:**

1. BHEL is seeking the offer from all bidders in two-part bid system in soft copies and same can be sent to our company email ID **finpvse1@bhel.in** [finpvse1(at the rate)bhel(dot)in] by two emails.
 - The bids shall be submitted to only the said email ID and **no copy shall be marked to anybody else**, to protect the secrecy of the bid. Any risk associated with violation of this instruction shall be entirely on the bidder.
 - The documents shall be accepted in **PDF** format only and the maximum allowed size of the document is **8 MB** only. The documents should not be password protected.
 - ONE email subject header indicating " Bidder name (Principal)–NTPCK22MW:BOS- Technical bid" consisting of technical offer, PQC documents, commercial terms and conditions. If the size of email is bigger than allowed limit, kindly send email in parts clearly indicating in the subject header as part- 1,2,3.....of Total no. of mails.
 - To reduce the size of Technical offers by bidder, Bidder has to fill and submit **Annexure-J** for deviation sheet against sealed and signed copies of technical and commercial terms of NIT. All other documents required in technical cum commercial bid format shall be submitted along with technical bid.
 - Another email subject indicating "Bidder name (Principal)–NTPCK22MW:BOS- Price bid" where in the price bid to be submitted as an attachment (format available in the tender document).



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- In case both the offers (Technical cum commercial and Price bid) are received in a single mail, offer may be treated as single part bid and both technical cum commercial and price bid be opened. Hence, bidders to exercise caution and send the two offers (technical cum commercial and price bid) in separate mails.
- **EMD SUBMISSION:** In case total amount of EMD is being submitted through SBI Collect, then electronic receipt of SBI collect to be submitted along with technical bid. In case the EMD shall be submitted in other forms (viz. BG/FDR etc.) as allowed in tender enquiry, the **scanned copy of the EMD document shall be mandatorily submitted** with technical bid and original EMD shall be sent to following address through speed post/courier/other available means:

Office of AGM (SC&PV- PCG, M)
SC & PV- ENGG., 5th Floor New Engineering Building
Bharat Heavy Electricals Limited
Electronics Division Mysore Road, Bangalore -560 026

Offers without EMD shall be liable for rejection. The date of EMD document shall be not later than the Bid submission due date and the original EMD should reach us before price bid opening/RA. In case, it would not have reached before price bid opening/RA, the offer shall be rejected.

2. Email is password protective and will be opened by tender opening committee of BHEL on due date and time indicated in NIT.
- 3. Note: Please ensure submission of offer before the due date and time. No other mode of submission is permitted. Late offers will be rejected.**
4. All other terms and conditions will be as per tender conditions indicated in NIT.
5. Offer submission is bidder's responsibility, any issue arising while submitting the offer may be brought to the notice of BHEL well before tender due date and time so that BHEL has sufficient time to take suitable action, if any.
6. Firms banned by BHEL are not eligible to participate in the tender. The offer submitted by such a firms will not be opened for evaluation and no communication in this regard will be entertained. The list of firms is available on web site www.bhel.com.

❖ **CONTACTS FOR CLARIFICATIONS:**

Sr. No.	Name of BHEL Representative	Contact No.	E-mail ID
1	Vijay K Choudhary	080-26998046 / 9415041583	vijayk.choudhary@bhel.in
2	Punam Mishra	080-26998991	punammishra@bhel.in
3	Saravana Bhavan	080-26998095/ 9095041612	ravana@bhel.in
4	Vipindas C P	080-26998389	vipindas.cp@bhel.in

NIT ISSUED BY:
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NOTICE INVITING TENDER

Tender Enquiry No. /RFQ No.:EDN:PVENG:FSPV:NTPCK22MW:BOS

Date: 23.05.2020

BHEL-EDN Bangalore invites sealed bid in two part bid system (Part-I: Techno-commercial Bid; Part II: Price Bid) for following work from experienced and financially sound bidder who fulfil the qualifying criteria contained in the enclosed tender document:

1. **Description of work:** Erection and commissioning works (BOS) for 22MW (AC) Floating Solar Photovoltaic Grid-connected Power plant for NTPC at Kayamkulam.
2. **Estimated Cost:** Rs. 10.34 Crores Plus Applicable GST
3. **EMD Amount:** Rs. 20,34,000/- (**Mandatory for MSME also**)
4. **Security Deposit:** Applicable as per GCC Clause 1.9.
5. **Tender Monitoring Authority (IEM):** Mr. A C Verma, IPS (Retd.) & Mr. V B Singh, IPS (Retd.)
6. **Due Date and Time for Submission of Bid: 05.06.2020 (1:00 PM)**
7. **Due Date and Time for Opening of Techno-Commercial Bid: 05.06.2020 (1:30 PM)**
8. **BHEL** reserve the right to accept or reject any of the bid/all bids or cancel/withdraw invitation for bid without assigning any reason whatsoever and in such case no bidder/intending bidders shall have any claim arising out of such action by BHEL.
9. The offers of the bidders who are on the banned list as also the offers of bidders, who engage the services of the banned firms, shall be rejected.

Note:

1. The contractors should understand the scope of work before submitting their bids.
2. For relevant details please visit our website "www.bhel.com". All subsequent corrigendum/amendment shall be published only on website and not in press. Hence, bidders are advised to always be in touch with our said website until the tender is finally opened.
3. The Bidder along with its associate/ collaborators/ sub-contractor / sub vendors /consultants /services providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website www.bhel.com and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.



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TECHNICAL-CUM-COMMERCIAL BID

(To be furnished by the Bidders)

Sl. No.	Description	Please Fill	
1	Name of the Firm (Bidder)		
2	Address of the Firm (Registered Office)		
3	Name of Contact Person		
4	Contact Numbers		
5	Email ID		
DOCUMENTS TO BE SUBMITTED BY BIDDER			
Sl. No.	Description	Status	Remarks
1	Earnest Money Deposit (EMD)	Submitted/ Not submitted	
2	Techno-Commercial Deviation Sheet	Submitted/ Not submitted	Signed and stamped Copy of annexure-J as a token of acceptance of all terms and conditions of the tender
3	Un-Priced bid (Price bid format without prices)	Submitted/ Not submitted	Bidder to sign and seal and give the concurrence of understanding the unpriced price bid. Bidder should not write anything other than his sign and seal on the Unpriced price bid. This unpriced bid to be submitted with the techno-Commercial bid.
4	Documents against pre-qualifying Criteria of Tender Documents	Submitted/ Not submitted	Signed and stamped copies of all documents as asked under qualifying criteria of the tender to be enclosed
5	Authorization for signing Tender Documents	Submitted/ Not submitted	Valid copy of power of attorney / authorized signatory to be enclosed as a proof of authorized representative of the firm
6	Signed and stamped copies of all Annexures to NIT	Submitted/ Not submitted	Duly filled, signed and stamped Copies of all Annexures, as applicable to be submitted
7	PF Code Number	Submitted/	Copy of the Certificate to be enclosed

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		Not submitted	
8	ESI Code Number	Submitted/ Not submitted	Copy of the Certificate to be enclosed
9	PAN Number	Submitted/ Not submitted	Copy of the PAN Card to be enclosed
10	Income Tax Return (of last 3 yrs)	Submitted/ Not submitted	Copy of the ITR to be enclosed
11	GSTN No. & State Code	Submitted/ Not submitted	Copy of the Certificate to be enclosed
12	List of machineries/equipment available with bidder	Submitted/ Not submitted	A list of machineries/equipment available with bidder to be submitted
13	Electronic Funds Transfer (EFT) form	Submitted/ Not submitted	Fill the EFT form enclosed with tender and submit it in original
14	Integrity Pact	Submitted/ Not submitted	Duly filled Integrity pact to be submitted as per format attached
15	Constitution of Firm	_____	Individual/Sole Proprietorship Concern/Partnership Firm / Public Ltd. Company/Pvt. Ltd. (Proof to be submitted)

ACCEPTANCE OF BIDDER

Sr. No.	Description	Status	To be filled by Bidder
1	Validity of Offer (90 days from the date of tender Opening)	Accepted/ Not Accepted	
2	Accept to pay statutory payments like ESI, PF, BOCW, etc., as per terms and conditions of BHEL and Govt. guideline's	Accepted/ Not Accepted	
3	Penalty as per BHEL General conditions of contract 2019 clause 2.7.9	Accepted/ Not Accepted	
4	BHEL reserves right to conduct reverse auction.	Accepted/ Not Accepted	
5	In order to complete the project in the specified months schedule, bidder to deploy separate Four gangs/teams (or) more as per site requirement for each individual activities along with tools and machineries.	Accepted/ Not Accepted	
6	Scope of Work cum technical specification as per PS-439-1334 Rev. 00	Understood and accepted/ Not accepted	
7	Acceptance to execute the order in Total	Accepted/ Not Accepted	

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8	BHEL Payment terms acceptance as specified in Special Conditions of Contract	Accepted/ Not Accepted	
9	The bidder should encourage to use local labor that has the necessary skills as per the requirement of work.	Accepted/ Not Accepted	
10	Before engaging the labour in to work, Contractor should get the NOC from labours' native police station as well as NOC from local police station (If applicable). Contractor is required to comply with NTPC's CLIMS system for identification and movement of labour in their work site.	Accepted/ Not Accepted	
11	Completion period of work awarded: 5 (five) Months from date of placement of order/handing over of site.	Accepted/ Not Accepted	

Note: The above techno-commercial bid shall be duly filled properly and required documents, as asked shall be attached by bidder.



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PRE-QUALIFICATION CRITERIA

1. Bidders should have executed works of similar nature of works during last Ten (10) years as per below, as on the date of opening of Technical Bid.

One similar work of value not less than **4 crores** (Excluding all taxes).

OR

Two similar works of value each not less than **2.5 crores** (Excluding all taxes)

OR

Three similar works of value each not less than **1.5 crores** (Excluding all taxes)

Note:

I. The term "Similar works" means works experience of any of the following categories:

❖ Bidder to have any kind of experience in the execution of Land mounted or Roof top Solar plants for 5 MW or above.

OR

❖ Bidder should have successfully executed work order for execution of Floating Solar plants for 200kw or above.

OR

❖ Bidder should have work experience in field of reservoir/lake/river water activity or any water works such as dredging /silt removal/construction /cable or pipe laying works or works in the water reservoirs of thermal plants.

II. For the above activities the term '**executed**' means the bidder should have achieved the criteria specified above even if the total contract has not been completed or closed.

Copy of orders and performance report/completion certificate/tax invoice copies or delivery challans/other relevant documents of successful execution of the order is to be submitted.

2. Average annual financial turn over during the last 3 years, ending 31st March of the previous financial year, should be **Rs 3.10 crores**. Audited Profit & loss account and balance sheet to be submitted for last 3 financial years. CA Certificate for turnover to be submitted along with Balance sheet.

BHEL reserves the right to verify the documents submitted by the contractor. During verification, if it is found fake/forged/manipulated, suitable penal action shall be taken against bidder as per extent guidelines of BHEL for suspension of business dealing.

Suspension of business dealings with Suppliers/Contractors shall be dealt as per the guidelines available on BHEL website www.bhel.com.

In case the Tenderers not fulfilling the above conditions, the offer is liable for rejection.



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INSTRUCTIONS TO TENDERER

1. All entries in tender documents should be in one ink (preferably blue ink). Erasing and overwriting is not permitted. All corrections should be duly signed by tenderer concerned.
2. Tenderers shall fill in all the required particulars in the blank space provided for this purpose in the tender documents and also sign in each and every page of the tender documents attached before submitting tender.
3. Unit rate/percentage above or below estimate should be quoted in figures as well as in words in Indian Currency only i.e. Rupees and Paisa with reference to each item and for the items shown in the rate schedule. These rates shall be for the finished work at site. The rate shall include all taxes and duties payable on account of Octroi, Sales Tax, tax on work contract etc., and also expenses towards PF and ESI contributions and all other expenses related to work.
4. In case the rate quoted in figures differs from those quoted in words, the lower of the rates quoted will be taken as the tendered rate and shall be binding on the tenderer.
5. In Price bid bidders are advised to quote their best prices (% over the estimate +/-) as no further price bids will be accepted in case BHEL decides to open price bids instead of reverse auction.
6. Bidders to submit the unpriced copy of the price schedule for compliance to the terms and quantities indicated in the price schedule along with the technical bid duly stamped according their acceptance. (Mandatory requirement).
7. The tenderer shall note that, No Claim for variation of rates, on the ground that existing statutory levies have been increased / decreased or those new statutory levies have come into effect after tender, or on any other ground, will be entertained.
8. The rate quoted in the tender shall remain valid for a period of 'THREE MONTHS' from the date of opening tender.
9. Tenderer shall not increase quoted rates, once the tenderer has submitted offers/quotation/price and during execution of contract in case tender is accepted.
10. Successful bidder should execute the work strictly in accordance with Tender schedule quoted rates as accepted by BHEL.
11. The rates quoted should be exclusive of all taxes arising on the transaction. Tax shall be indicated separately as applicable.
12. Before tendering, the tenderer is advised to inspect the site of work and its environments and be well acquainted with the actual working and other prevailing conditions, position of material and labor. They should be well versed with BHEL Conditions of Contract, instruction to the tenderers, technical specification, schedule of works and all other documents which form part of the agreement to be entered into subsequent to award of work.



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13. The tenderer should be specially note that it is tenderers responsibility to provide any items which is not specifically mentioned in the specifications and scope, but which is necessary to complete the work and tenderers shall make his own arrangements for the transport of personnel and equipment to the site and for the stay and boarding facilities of their team at site during the course of work. Bidder shall ensure safety of the operating team and personnel at site during the execution of work.
 14. Details and quantities of each item of work shown in the bill of quantities attached here to only approximate. They are given as a guide for the purpose of tendering only and are liable for variation and alteration at the discretion of the competent authority. The work under each item as executed shall be measured and price at the corresponding rates to be quoted by the Contractor in the bill of quantities attached hereto.
 15. In the event of the tender being submitted by a firm the tender must be signed separately and legibly by each partner or member of the firm or in their absence, by the person holding the power of Attorney on behalf of firm concerned. In the later case, a copy of the power of Attorney duly attested by the Gazetted Officer must accompany the tender.
 16. The BHARAT HEAVY ELECTRICALS LIMITED reserve the right to reject any or all the tenders received or accept any tender or part thereof without assigning reason thereof. In the case of acceptance of a part of tender, the time for completion may also be reduced to the extent considered necessary by the accepting authority.
 17. Conditional and Unsigned tenders, tenders which are incomplete or otherwise considered defective, tenders which are not in accordance with the tender conditions laid down by the accepting officer and tenders not submitted in the prescribed forms are liable to be rejected.
 18. The Contractors responsibility under this contract shall commence from date of receipt of the order or acceptance of tender.
 19. Tenders submitted by speed post or courier service shall be posted with due consideration of any delay in postal delivery. Tenders received after the due date and time of opening tenders are liable to be rejected.
 20. Scope of works of tenderers includes deployment of manpower, equipments etc. to carry out the given work and submission of test reports drawing etc. as per condition of contract, Technical specification and schedule of works. BHEL shall not provide any equipment/ manpower / material for the work.
 21. Any covering letter and comments of the tenderer should be submitted along with the offer.
 22. Should a tenderer or a contractor has a relative or in the case of firm or company, any of its shareholders relative is employed in Bharat Heavy Electricals Limited, the authority inviting tenders shall be informed of this fact at the time of submission of the tender, failing which tender may be disqualified or if such fact subsequently comes to light.
 23. Contractor shall insure all his labourers and material. Any claim by his Employees for damages shall be settled by the Contractor even if action is against BHEL or to reimburse the legal expenses incurred by BHEL.