

**LUMDING-MLG-ELECTRICAL/N F RLY
TENDER DOCUMENT**

Tender No: EL-GH-855

Closing Date/Time: 10/11/2020 15:00

SR DEE GHY acting for and on behalf of The President of India invites E-Tenders against Tender No **EL-GH-855** Closing Date/Time 10/11/2020 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

Name of Work	At GHY:- Provision of integrated type Grid connected 213 KWp Solar Power panels by covering the Vehicle Parking area of GHY Railway Station utilizing EnHM fund		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	10/11/2020 15:00	Date Time Of Uploading Tender	13/10/2020 16:54
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	23716574.00	Tendering Section	TENDER
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money /Bid Security (Rs.)	268600.00	Validity of Offer (Days)	45
Tender Doc. Cost (Rs.)	10000.00	Period of Completion	180 Days
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	27/10/2020	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-At GHY:- Provision of integrated type Grid connected 213 KWp Solar Power panels by covering the Vehicle Parking area of GHY Railway Station utilizing EnHM fund.							23716574.00	
1	Please see Item Breakup for details.				23716574.00	AT Par	23716574.00	
	Description:- please see item break up for details							

3. ITEM BREAKUP

Schedule	Schedule A-At GHY:- Provision of integrated type Grid connected 213 KWp Solar Power panels by covering the Vehicle Parking area of GHY Railway Station utilizing EnHM fund.					
Item- 1	please see item break up for details					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Design, supply, installation, testing and commissioning of 213 KWp solar power panel consisting of the following: a) Supply of 370Wp SPV Module IEC Certified Monocrystalline Cell; IEC: 61215/IS14286, Each PV module must use a RF identification tag (RFID); Qty: 575 Nos. b) On grid solar PCU/Inverter (three phase unit) of capacity 50 KVA; Qty: suitable Nos. c) ACDB, PCDB, DC protection unit, AC protection unit, earthing, Lighting Arrestor, wires/cables, connectors and all other accessories. d) Panel mounting structure e) Modbus with short GSM antenna + AC to DC power supply & DIN rail mountable arrangement & all other equipments meant for Solar Remote Monitoring with 2 Years Standard Warranty. f) Operation & maintenance of 05 (Five)years including replacement of all parts cover under the guarantee, providing tools & tackles required for maintenance purpose along with required spare parts etc shall be the part of the contract for period of 05 (five) years from date of commissioning (as per MNRE guidelines)	Job	1.00	10637500.00	10637500.00

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2	2	Supply, installation, testing and commissioning of steel structure (made of ISMB steel, steel grade: FE-415) for vehicle parking shed with a minimum of 15 Feet ground clearance, painted with one coat of Red-oxide paint and two coats of aluminum paint) including erection of columns, thrust and all other required civil work/mechanical work of foundation for mounting of solar panels and shed for ACDB panels, and any other items or accessories such as galvanized nuts & bolts, weather proof gasket etc required for successful commissioning of Power Plant on "Single Responsibility" basis as per instructions of Railway Site Engineer.	Kg	45751.00	260.00	11895260.00
3	3	Supply, erection of earthing set by 80 mm diameter GI pipe medium gauge 4 Mts. long including construction of earth pit and earth continuity by 50x6 mm GI strip, GI nuts and bolts etc as per direction at site Engineer in - charge of railway.	Numbers	2.00	3846.00	7692.00
4	4	Excavation of cable trench 1.0 mts. below the GL with laying of armored cable and refilling the same by supply of Brick, Sand and Soil after digging the earth as per direction of Engineer at site & connection of armored Cable by supply and fixing of crimping lugs etc. as per Sr.DEE/GHY's Drg.No. SDEE/GH/20 dtd .08.05.2009	Metre	170.00	165.00	28050.00
5	5	Supply & commissioning of 120(OD) mm diameter Double wall corrugated PN-6.0 Kgf/cm2 HDPE pipe partly through over ground & partly through underground including provision of necessary socket etc. as per direction of site engineer in-charge of Railway.	Metre	170.00	208.00	35360.00
6	6	Horizontal boring of Railway across the embankment /Road at a depth of minimum 2 Mts. below GL as per Technical specification no. Sr.DEE/GH/SPN/139 dtd.20.10.17 (power line crossing) Sl. No.1 (e) by contractor's own arrangement. (a)Horizontal boring of 200 mm diameter hole	Metre	100.00	8762.00	876200.00
7	7	Supply, laying, fitting, fixing of CI pipe 200 mm diameter heavy duty for protection of cable under track crossing/ under the road as per direction of site engineer in-charge of Railway	Metre	100.00	1558.00	155800.00
8	8	Carrying, Laying, commissioning of HT/LT XLPE Aluminum armored cable of size single core 400 sq. mm partly along the pole and partly through ground in cable trench with suitable fixing arrangement .Loading , unloading & carrying of cable to actual work site by contractor own arrangement as per instruction of Engineer in charge at site. (Cable will be supplied by Railway).	Metre	1150.00	36.00	41400.00
9	9	Design, supply, installation, testing and commissioning of feeder pillar consisting of 01 No. Microprocessor based 400Amps MCCB 4P 36KA, along with suitable enclosure outdoor type conforming to IP-65.	Set	1.00	39312.00	39312.00
					Total	23716574.00

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading

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1	The tenderer must have received contractual payments in the previous three financial years and the current financial year up to the date of inviting of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet. Note for (B): Client certificate from other than Govt Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India	No	No	Allowed (Mandatory)
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Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or One similar work each costing not less than the amount equal to 60% of advertised value of the tender. (i) In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender. Note for (i): Separate completed works of minimum required values for each component shall also be considered for fulfillment of technical eligibility criteria. (b) (ii) In such cases, what constitutes a component in a composite work shall be clearly pre- defined with estimated tender cost of it, as part of the tender documents without any ambiguity. (b) (iii) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 (a) (ii) of Part-II of GCC or through subcontractor fulfilling the requirements as per clause 7 of Part-II of GCC or jointly i.e., partly himself and remaining through subcontractor, with prior approval of Chief Engineer in writing. However, if required in tender documents by way of Special Conditions, a formal agreement duly notarised, legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer for considering subletting of that scope of work towards fulfilment of technical eligibility. In case after award of contract or during execution of work it becomes necessary for contractor to change subcontractor, the same shall be done with subcontractor(s) fulfilling the requirements as per clause 7 of Part-II of GCC, with prior approval of Chief Engineer in writing.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Definition of Similar Nature of Work "Supply, installation, testing & commissioning of Solar based same work having executed minimum 30% rating (i.e 64KWp) of individual maximum rated item in the tender with total capacity having executed shall be 30%(i.e 64KWp) in single similar work of total rating tendered".	No	No	Allowed (Mandatory)

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	1) All the tenderers/contractors are advised to make payments for the cost of tender document and earnest money for this instant tender in the form of ONLINE payment modes only available on IREPS portal, i.e. net banking, debit card, credit card etc. Manual payments through Demand Draft, Bankers cheque, Deposit receipts, FDR etc. are not acceptable. 2) Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of earnest money deposit. 3) 100% Govt. owned PSUs shall be exempted from payment of earnest money deposit detailed as above. 4) Labour Cooperative Societies shall deposit only 50% of above earnest money deposit detailed above. Tenderer should submit their bank account no., name of the bank and bank specific code no. in separate sheet , Current valid GST registration no. and PAN CARD	No	No	Allowed (Mandatory)
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Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tenderer must have to submit valid Electrical Contractor license ,possessing valid Electrical Contractor's license as per Indian Electricity Rules and also submit letter of confirmation of employment of Electrical Supervisor along with current & valid Electrical Supervisor License for the respective category of works	No	No	Allowed (Mandatory)

Submission of Document Verification Certificate

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please submit a certificate in the prescribed format (please download the format from the link given below) for verification / confirmation of the documents submitted for compliance of eligibility / qualifying criteria. Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. (Click here to download the Format of Self Certificatio)	No	No	Allowed (Mandatory)

5. COMPLIANCE

Check Lst

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Whether cost of tender document deposited.	No	No	Not Allowed
2	Whether cost of earnest money deposited	No	No	Not Allowed
3	Whether the bank account no., name of the bank and bank specific code no. in separate sheet submitted.	No	No	Not Allowed
4	Whether document relevant to PAN Card, GST submitted in separate sheet.	No	No	Not Allowed
5	Whether valid electrical contractor license and valid supervisor's license submitted.	No	No	Not Allowed
6	Whether document relevant to 1)Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' certificate submitted in case of exemption from payment of earnest money deposit. 2) 100% Govt. owned PSUs certificate submitted in case of exemption from payment of earnest money deposit. 3) Labour Cooperative Societies certificate submitted in case of deposition of only 50% of earnest money	No	No	Not Allowed

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

General Instructions

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1	(i)The Tenderer is hereby advised to study the tender document in www.ireps.gov.in portal carefully and may also ascertain the nature quantum of work and working condition before submission of his offer. ii) The submission of the tender will be deemed to imply that this memorandum and all documents enclosed have been studied and understood and that the Tenderer is aware of the full scope of the work to be done.	No	No	Not Allowed
2	Drawings for the Work: The Drawing for the work can be seen in the office of the Sr. Divisional Electrical Engineer, NF Railway , Guwahati and / or Chief Electrical Engineer, NF Railway at any time during the office hours. The drawings are only for the guidance of Tenderer(s). Detailed working drawings (if required) based generally on the drawing mentioned above, will be given by the Engineer or his representative from time to time. 3. The Tenderer(s) shall quote his / their rates as a percentage above or below the Schedule of Rates of NF Railway as applicable to Guwahati (Lumding) Division except where he/they are required to quote item rates and must tender for all the items shown in the Schedule of approximate quantities attached. The quantities shown in the attached Schedule are given as a guide and are approximate only and are subject to variation according to the needs of the Railway. The Railway does not guarantee work under each item of the Schedule. The tenderer(s) shall quote rates / rebates only at specified place in Tender Form supplied by Railway. Any revision of rates / rebates submitted (quoted) through a separate letter whether enclosed with the bid (Tender Form) or submitted separately or mentioned elsewhere in the document other than specified place shall be summarily ignored and will not be considered. 4.Tenders containing erasures and / or alterations of tender documents are liable to be rejected. Any correction made by tender(s) in his/their entries must be attested by him / them. 5.The works are required to be completed within a period of 180 days from the date of issue of acceptance letter. 6.Earnest Money: (a) The tender must be accompanied by a sum of 2,68,600.00 as Earnest Money deposited in cash through e-payment gateway or as mentioned in tender documents, failing which the tender shall not be considered. Any firm recognized by Department of Industrial Policy and Promotion (DIPP) as 'Startups' shall be exempted from payment of Earnest Money on submission of Registration Certificate issued by appropriate authority. (b)The Tenderer(s) shall keep the offer open for a minimum period of 45 days from the date of opening of the Tender. It is understood that the tender documents have been issued to the Tenderer(s) and the Tenderer(s), is / are permitted to tender in consideration of the stipulation on his / their part that after submitting his / their tender subject to the period being extended further, if required by mutual agreement from time to time, he will not resile from his offer or modify the terms and conditions thereof in a manner not acceptable to the Sr. Divisional Electrical Engineer of N.F. Railway, Guwahati . Should the tenderer fail to observe or comply with the foregoing stipulation, the amount deposited as Earnest Money for the due performance of the above stipulation, shall be forfeited to the Railway. (c) If his tender is accepted the earnest money mentioned in sub clause (a) above will be retained as part security for the due and faithful fulfilment of the contract in terms of Clause 16 of the Standard General Conditions of Contract. The Earnest Money of other Tenderers shall, save as herein before provided, be returned to them, but the Railway shall not be responsible for any loss or depreciation to the Earnest Money that may happen thereto while in their possession, nor be liable to pay interest thereon.	No	No	Not Allowed

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3	(d) In case Contractor submits the Term Deposit Receipt/Bank Guarantee Bond towards full Security Deposit, the Railway shall return the Earnest Money so retained to the Contractor. 7.Rights of the Railway to deal with Tender: The authority for the acceptance of the tender will rest with the Railway. It shall not be obligatory on the said authority to accept the lowest tender or any other tender, and tenderer(s) shall neither demand any explanation for the cause of rejection of his/ their tender nor the Railway to assign reasons for declining to consider or reject any particular tender or tenders. 8.If the tenderer(s) deliberately gives / give wrong information in his / their tender or creates / create circumstances for the acceptance of his / their tender, the Railway reserves the right to reject such tender at any stage. 9.If the tenderer(s) expire(s) after the submission of his / their tender or after the acceptance of his / their offer, the Railway shall deem such tender cancelled. If a partner of a firm expires after the submission of their tender or after the acceptance of their tender, the Railway shall deem such tender as cancelled, unless the firm retain its character.	No	No	Not Allowed
4	10.Eligibility Criteria: 10.1 Technical Eligibility Criteria: (a)The tenderer must have successfully completed any of the following during last 07(seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or One similar work each costing not less than the amount equal to 60% of advertised value of the tender. (b) (i) In case of composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender. Note for b (i): Separate completed works of minimum required values for each component shall also be considered for fulfillment of technical eligibility criteria. (b) (ii) In such cases, what constitutes a component in a composite work shall be clearly predefined with estimated tender cost of it, as part of the tender documents without any ambiguity. (b) (iii) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 (a) (ii) of Part-II of GCC or through subcontractor fulfilling the requirements as per clause 7 of Part-II of GCC or jointly i.e., partly himself and remaining through subcontractor, with prior approval of Chief Engineer in writing. However, if required in tender documents by way of Special Conditions, a formal agreement duly notarised, legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer for considering subletting of that scope of work towards fulfilment of technical eligibility. In case after award of contract or during execution of work it becomes necessary for contractor to change subcontractor, the same shall be done with subcontractor(s) fulfilling the requirements as per clause 7 of Part-II of GCC, with prior approval of Chief Engineer in writing.	No	No	Not Allowed

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5	Note for Item 10.1: Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organisation, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered atleast 5 years prior to the date of opening of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates. In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate. 10.2. Financial Eligibility Criteria: The tenderer must have received contractual payments in the previous three financial years and the current financial year up to the date of inviting of tender, at least 150% of the advertised value of the tender. The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet. Note for 10.2: Client certificate from other than Govt Organization should be duly supported by Form 16A/26AS generated through TRACES of Income Tax Department of India.	No	No	Not Allowed
6	11.Tenderer Credentials: Documents testifying tenderer previous experience and financial status should be produced along with the tender. Tenderer(s) who is / are not borne on the approved list of the Contractors of NF Railway shall submit along with his / their tender: (i)Certificates and testimonials regarding contracting experience for the type of job for which tender is invited with list of works carried out in the past. (ii)Certificates which may be an attested Certificate from the client, Audited Balance Sheet duly certified by the Chartered Accountant etc regarding contractual payments received in the past. (iii)The list of personnel/organization on hand and proposed to be engaged for the tendered work. Similarly list of Plant & Machinery available on hand and proposed to be inducted and hired for the tendered work. (iv)A copy of certificate stating that they are not liable to be disqualified and all their statements/documents submitted alongwith bid are true and factual. Standard format of the certificate to be submitted by the bidder is enclosed as Annexure-V. Non submission of a copy of certificate by the bidder shall result in summarily rejection of his/their bid. It shall be mandatorily incumbent upon the tenderer to identify, state and submit the supporting documents duly self attested by which they/he are/is qualifying the Qualifying Criteria mentioned in the Tender Document. (v)The Railway reserves the right to verify all statements, information and documents submitted by the bidder in his tender offer, and the bidder shall, when so required by the Railway, make available all such information, evidence and documents as may be necessary for such verification. Any such verification or lack of such verification, by the Railway shall not relieve the bidder of its obligations or liabilities hereunder nor will it affect any rights of the Railway thereunder. (vi)(a) In case of any information submitted by tenderer is found to be false forged or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender Earnest Money Deposit besides banning of business for a period of upto five years. (b) In case of any information submitted by tenderer is found to be false forged or incorrect after the award of contract, the contract shall be terminated. Earnest Money Deposit (EMD), Performance Guarantee and Security Deposit available with the railway shall be forfeited. In addition, other dues of the contractor, if any, under this contract shall be forfeited and agency shall be banned for doing business for a period of upto five years. 12. Non-compliance with any of the conditions set forth therein above is liable to result in the tender being rejected. 13.Execution of Contract Documents: The successful Tenderer(s) shall be required to execute an agreement with the President of India acting through the Sr. Divisional Electrical Engineer, NF Railway, Guwahati for carrying out the work according to Standard General Conditions of Contract, Special Conditions / Specifications annexed to the tender and Standard Specifications (Works and Materials) of Railway as amended/corrected upto latest correction slips, mentioned in tender form (First Sheet).	No	No	Not Allowed

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7	14. Documents to be submitted Along with Tender: (i) The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on behalf of a Partnership Firm / Company / Joint Venture (JV) / Registered Society / Registered Trust / HUF etc. The tenderer(s) shall enclose the attested copies of the constitution of their concern, and copy of PAN Card along with their tender. Tender Documents in such cases are to be signed by such persons as may be legally competent to sign them on behalf of the firm, company, association, trust or society, as the case may be. (ii) Following documents shall be submitted by the tenderer: (a)Sole Proprietorship Firm: (i)An undertaking that he is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which he was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract. (ii)All other documents in terms of explanatory notes in clause 10 above. (b)HUF: (i)A copy of notarized affidavit on Stamp Paper declaring that he who is submitting the tender on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF. (ii)An undertaking that the HUF is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which HUF was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract. (iii)All other documents in terms of explanatory notes in clause 10 above.	No	No	Not Allowed
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8	(c)Partnership Firm: (i)The tenderer shall submit documents as mentioned in clause 18 of the Tender Form (Second Sheet). (d)Joint Venture (JV): The tenderer shall submit documents as mentioned in Clause 17 of the Tender Form (Second Sheet). (e)Company registered under Companies Act 2013: (i) The copies of MOA (Memorandum of Association) / AOA (Articles of Association) of the company (ii) A copy of Certificate of Incorporation (iii)A copy of Authorization/Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company. (iv)An undertaking that the Company is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which the Company was / is a partner/member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract. (v) All other documents in terms of explanatory notes in clause 10 above. (f)LLP (Limited Liability Partnership): If the tender is submitted on behalf of a LLP registered under LLP Act-2008, the tenderer shall submit along with the tender: (i)A copy of LLP Agreement (ii)A copy of Certificate of Incorporation (iii)A copy of Power of Attorney/Authorization issued by the LLP in favour of the individual to sign the tender on behalf of the LLP and create liability against the LLP. (iv)An undertaking that the LLP is not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of JV in which the LLP was / is a member. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract. (v)All other documents in terms of explanatory notes in clause 10 above. (g)Registered Society & Registered Trust: The tenderer shall submit: (i)A copy of the Certificate of Registration (ii)A copy of Deed of Formation (iii)A copy of Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust. (iv)All other documents in terms of explanatory notes in clause 10 above. (iii)If it is NOT mentioned in the submitted tender that tender is being submitted on behalf of a Sole Proprietorship firm / Partnership firm / Joint Venture / Registered Company etc., then the tender shall be treated as having been submitted by the individual who has signed the tender. (iv)After opening of the tender, any document pertaining to the constitution of Sole Proprietorship Firm / Partnership Firm / Registered Company/ Registered Trust / Registered Society / HUF etc. shall be neither asked nor considered, if submitted. Further, no suo moto cognizance of any document available in public domain (i.e., on internet etc.) or in Railway's record/office files etc. will be taken for consideration of the tender, if no such mention is available in tender offer submitted. (v)A tender from JV / Partnership firm etc. shall be considered only where permissible as per the tender conditions.	No	No	Not Allowed
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9	(vi) The Railway will not be bound by any change in the composition of the firm made subsequent to the submission of tender. Railway may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Contractor. 15. The tenderer whether sole proprietor / a company or a partnership firm / joint venture (JV) / registered society / registered trust / HUF etc if they want to act through agent or individual partner(s), should submit along with the tender, a copy of power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person specifically authorizing him/them to submit the tender, sign the agreement, receive money, co-ordinate measurements through contractor's authorized engineer, witness measurements, sign measurement books, compromise, settle, relinquish any claim(s) preferred by the firm and sign "No Claim Certificate" and refer all or any disputes to arbitration. The above power of attorney shall be submitted even if such specific person is authorized for above purposes through partnership deed / Memorandum of Understanding / Article of Association or such other document, failing which tender is liable to be rejected. 16. Employment/Partnership etc. of Retired Railway Employees: (a)Should a tenderer i)be a retired Engineer of the gazetted rank or any other gazetted officer working before his retirement, whether in the executive or administrative capacity or whether holding a pensionable post or not, in the Engineering or any other department of any of the railways owned and administered by the President of India for the time being, OR ii)being partnership firm / joint venture (JV) / registered society / registered trust etc have as one of its partners a retired Engineer of the gazetted rank or any other gazetted officer working before his retirement, OR iii)being an incorporated company have any such retired Engineer of the gazetted rank or any other gazetted officer working before his retirement as one of its directors AND in case where such Engineer or officer had not retired from government service at least 1 year prior to the date of submission of the tender THEN the tenderer will give full information as to the date of retirement of such Engineer or gazetted officer from the said service and as to whether permission for taking such contract, or if the Contractor be a partnership firm or an incorporated company, to become a partner or director as the case may be, has been obtained by the tenderer or the Engineer or officer, as the case may be from the President of India or any officer, duly authorized by him in this behalf, shall be clearly stated in writing at the time of submitting the tender.	No	No	Not Allowed
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10	b)In case, upon successful award of contract, should a tenderer depute for execution of the works under or to deal matters related with this contract, any retired Engineer of gazette rank or retired gazetted officer working before his retirement in the Engineering or any other department of any of the railways owned and administered by the President of India for the time being, and now in his employment, then the tenderer will ensure that retired Engineer or retired gazetted officer had retired from government service at least 1 year prior to the date of his employment with tenderer and in case he had retired from service within a year then he possesses the requisite permission from the President of India or any officer, duly authorized by him in this behalf, to get associated with the tenderer. c)Should a tenderer or Contractor being an individual, have member(s) of his family or in the case of partnership firm/ company / joint venture (JV) / registered society / registered trust etc. one or more of his partner(s)/shareholder(s) or member(s) of the family of partner(s)/shareholder(s) having share of more than 1% in the tendering entity employed in gazetted capacity in the Engineering or any other department of the railway, then the tenderer at the time of submission of tender, will inform the authority inviting tenders the details of such persons. Note:-If information as required as per 16.a), b), c) above has not been furnished, contract is liable to be dealt in accordance with provision of clause 62 of Standard General Condition of contract. JOINT VENTURE (JV) IN WORKS TENDERS 17. Participation of Joint Venture (JV) in Works Tender: Joint Venture firms are not allowed to participate in this tender as per Railway Board Letter no. 2002/CE-I/CT/37 JV Pt. VIII Dtd. 14.12.2012. 18. Participation of Partnership Firms in works tenders: 18.1 The Partnership Firms participating in the tender should be legally valid under the provisions of the Indian Partnership Act. 18.2 The partnership firm should have been in existence or should have been formed prior to submission of tender. Partnership firm should have either been registered with the Registrar or the partnership deed should have been notarized prior to date of tender opening as per the Indian Partnership Act.	No	No	Not Allowed
11	18.3 Separate identity / name should be given to the partnership firm. The partnership firm should have PAN / TAN number in its own name and PAN / TAN number in the name of any of the constituent partners shall not be considered. The valid constituents of the firm shall be called partners. 18.4 Once the tender has been submitted, the constitution of the firm shall not normally be allowed to be modified / altered / terminated during the validity of the tender as well as the currency of the contract except when modification becomes inevitable due to succession laws etc., in which case prior permission should be taken from Railway and in any case the minimum eligibility criteria should not get vitiated. The re-constitution of firm in such cases should be followed by a notary certified Supplementary Deed. The approval for change of constitution of the firm, in any case, shall be at the sole discretion of the Railways and the tenderer shall have no claims what-so-ever. Any change in the constitution of Partnership firm after opening of tender shall be with the consent of all partners and with the signatures of all partners as that in the Partnership Deed. Failure to observe this requirement shall render the offer invalid and full EMD shall be forfeited. If any Partner/s withdraws from the firm after opening of the tender and before the award of the contract, the offer shall be rejected and EMD of the tenderer will be forfeited. If any new partner joins the firm after opening of tender but prior to award of contract, his / her credentials shall not qualify for consideration towards eligibility criteria either individually or in proportion to his share in the previous firm. In case the tenderer fails to inform Railway beforehand about any such changes / modification in the constitution which is inevitable due to succession laws etc. and the contract is awarded to such firm, then it will be considered a breach of the contract conditions liable for determination of the contract under Clause 62 of General Conditions of Contract.	No	No	Not Allowed

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12	18.5 A partner of the firm shall not be permitted to participate either in his individual capacity or as a partner of any other firm in the same tender. 18.6 The tender form shall be submitted only in the name of partnership firm. The EMD shall be deposited by partnership firm through e-payment gateway or as mentioned in tender document. The EMD submitted in the name of any individual partner or in the name of authorized partner (s) shall not be considered. 18.7 One or more of the partners of the firm or any other person (s) shall be designated as the authorized person (s) on behalf of the firm, who will be authorized by all the partners to act on behalf of the firm through a "Power of Attorney", specially authorizing him / them to submit & sign the tender, sign the agreement, receive payment, witness measurements, sign measurement books, make correspondences, compromise / settle / relinquish any claim (s) preferred by the firm, sign "No Claim Certificate", refer all or any dispute to arbitration and to take similar such action in respect of the said tender / contract. Such "Power of Attorney" shall be notarized / registered and submitted along with the tender. 18.8 On issue of Letter of Acceptance (LOA) to the partnership firm, all the guarantees like Performance Guarantee, Guarantee for various Advances to the Contractor shall be submitted only in the name of the partnership firm and no splitting of guarantees among the partners shall be acceptable. 18.9 On issue of Letter of Acceptance (LOA), contract agreement with partnership firm shall be executed in the name of the firm only and not in the name of any individual partner. 18.10 In case the Letter of Acceptance (LOA) is issued to a partnership firm, the following undertakings shall be furnished by all the partners through a notarized affidavit, before signing of contract agreement. (a)Joint and several liabilities: The partners of the firm to which the Letter of Acceptance (LOA) is issued, shall be jointly and severally liable to the Railway for execution of the contract in accordance with General and Special Conditions of the Contract. The partners shall also be liable jointly and severally for the loss, damages caused to the Railway during the course of execution of the contract or due to non-execution of the contract or part thereof.	No	No	Not Allowed
13	(b)Duration of the partnership deed and partnership firm agreement: The partnership deed/partnership firm agreement shall normally not be modified/alterd/ terminated during the currency of contract and the maintenance period after the work is completed as contemplated in the conditions of the contract. Any change carried out by partners in the constitution of the firm without permission of Railway, shall constitute a breach of the contract, liable for determination of the contract under Clause 62 of the General Conditions of Contract. (c)Governing laws: The partnership firm agreement shall in all respect be governed by and interpreted in accordance with the Indian laws. (d)No partner of the firm shall have the right to assign or transfer the interest right or liability in the contract without the written consent of the other partner/s and that of the Railway. The tenderer shall clearly specify that the tender is submitted on behalf of a partnership firm. The following documents shall be submitted by the partnership firm, with the tender: (i)A notarized copy of partnership deed. (ii)A notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm. (iii)An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of opening of bids, either in their individual capacity or in any firm in which they were / are partners. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract. (iv)All other documents in terms of explanatory notes in clause 10 above. 18.12 Evaluation of eligibility of a partnership firm: Technical and financial eligibility of the firm shall be adjudged based on satisfactory fulfillment of the eligibility criteria laid down in Clause 10 above.	No	No	Not Allowed

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14	Compliance with the GST Act, 2017 under Clause No.6 of GCC-2020 (Care In Submission of Tenders :) (a) (i) Before submitting a tender, the tenderer will be deemed to have satisfied himself by actual inspection of the site and locality of the works, that all conditions liable to be encountered during the execution of the works are taken into account and that the rates he enters in the tender forms are adequate and all inclusive to accord with the provisions in Clause-37 of the Standard General Conditions of Contract for the completion of works to the entire satisfaction of the Engineer. (a)(ii) Tenderers will examine the various provisions of The Central Goods and Services Tax Act, 2017(CGST)/ Integrated Goods and Services Tax Act, 2017(IGST)/ Union Territory Goods and Services Tax Act, 2017(UTGST)/ respective state's State Goods and Services Tax Act (SGST) also, as notified by Central/State Govt. & as amended from time to time and applicable taxes before bidding. Tenderers will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates. (a)(iii) The successful tenderer who is liable to be registered under CGST/IGST/UTGST/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to railway immediately after the award of contract, without which no payment shall be released to the Contractor. The Contractor shall be responsible for deposition of applicable GST to the concerned authority. (a)(iv) In case the successful tenderer is not liable to be registered under CGST/IGST/UTGST/SGST Act, the railway shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority. (b) When work is tendered for by a firm or company, the tender shall be signed by the individual legally authorized to enter into commitments on their behalf. (c) The Railway will not be bound by any power of attorney granted by the tenderer or by changes in the composition of the firm made subsequent to the execution of the contract. It may, however, recognize such power of attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Contractor.	No	No	Not Allowed
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15	Security Deposit: The Earnest Money deposited by the Contractor with his tender will be retained by the Railways as part of security for the due and faithful fulfillment of the contract by the Contractor. The Security Deposit shall be 5% of the contract value. Security Deposit may be deposited by the Contractor before release of first on account bill in cash or Term Deposit Receipt issued from Scheduled Bank, or may be recovered at the rate of 6% of the bill amount till the full Security Deposit is recovered. Provided also that in case of defaulting Contractor, the Railway may retain any amount due for payment to the Contractor on the pending "on account bills" so that the amounts so retained (including amount guaranteed through Performance Guarantee) may not exceed 10% of the total value of the contract. Further, in case of contracts having value equal to or more than 50 crore (Rs Fifty crore) the Security Deposit may be deposited as Bank Guarantee Bond also, issued by a scheduled bank after execution of contract documents, but before payment of 1st on account bill. Provided further that the validity of Bank Guarantee Bond shall be extended from time to time, depending upon extension of contract granted in terms of Clause 17 of the Standard General Conditions of Contract. Further, in case Security Deposit has been submitted as Term Deposit Receipt/Bank Guarantee Bond in full amount, the Earnest Money deposited by the Contractor with his tender will be returned by the Railways. Note: After the work is physically completed as certified by competent authority, Security Deposit recovered from the running bills of a Contractor can be returned to him, if he so desires, in lieu of Term Deposit Receipt/irrevocable Bank Guarantee for equivalent amount from Scheduled Bank, to be submitted by him. (i) Refund of Security Deposit: Security Deposit mentioned in sub clause (1) above shall be returned to the Contractor along with or after, the following: (a)Final Payment of the Contract as per clause 51. (1) and (b)Execution of Final Supplementary Agreement or Certification by Engineer that Railway has No Claim on Contractor and (c)Maintenance Certificate issued, on expiry of the maintenance period as per clause 50.(1), in case applicable. (ii) Forfeiture of Security Deposit: Whenever the contract is rescinded as a whole under clause 62 (1) of GCC, the Security Deposit already with railways under the contract shall be forfeited. However, in case the contract is rescinded in part or parts under clause 62 (1) of GCC, the Security Deposit shall not be forfeited. No interest shall be payable upon the Earnest Money and Security Deposit or amounts payable to the Contractor under the Contract, but Government Securities deposited in terms of SubClause 16.(4)(b) of this clause will be payable with interest accrued thereon.	No	No	Not Allowed
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16	Performance Guarantee The procedure for obtaining Performance Guarantee is outlined below: (a)The successful bidder shall have to submit a Performance Guarantee (PG) within 21 (Twenty one) days from the date of issue of Letter of Acceptance (LOA). Extension of time for submission of PG beyond 21 (Twenty one) days and upto 60 days from the date of issue of LOA may be given by the Authority who is competent to sign the contract agreement. However, a penal interest of 12% per annum shall be charged for the delay beyond 21(Twenty one) days, i.e. from 22nd day after the date of issue of LOA. Further, if the 60th day happens to be a declared holiday in the concerned office of the Railway, submission of PG can be accepted on the next working day. In all other cases, if the Contractor fails to submit the requisite PG even after 60 days from the date of issue of LOA, the contract is liable to be terminated. In case contract is terminated railway shall be entitled to forfeit Earnest Money Deposit and other dues payable against that contract. In case a tenderer has not submitted Earnest Money Deposit on the strength of their registration as a Startup recognized by Department of Industrial Policy and Promotion (DIPP) under Ministry of Commerce and Industry, DIPP shall be informed to this effect. The failed Contractor shall be debarred from participating in re-tender for that work. (b)The successful bidder shall submit the Performance Guarantee (PG) in any of the following forms, amounting to 5% of the contract value: (i)A deposit of Cash; (ii)Irrevocable Bank Guarantee; (iii)Government Securities including State Loan Bonds at 5% below the market value; (iv)Deposit Receipts, Pay Orders, Demand Drafts and Guarantee Bonds. These forms of Performance Guarantee could be either of the State Bank of India or of any of the Nationalized Banks; (v)Guarantee Bonds executed or Deposits Receipts tendered by all Scheduled Banks; (vi)Deposit in the Post Office Saving Bank; (vii)Deposit in the National Savings Certificates; (viii)Twelve years National Defence Certificates; (ix)Ten years Defence Deposits; (x)National Defence Bonds and (xi)Unit Trust Certificates at 5% below market value or at the face value whichever is less. Also, FDR in favour of FA&CAO (free from any encumbrance) may be accepted. (c)The Performance Guarantee shall be submitted by the successful bidder after the Letter of Acceptance (LOA) has been issued, but before signing of the contract agreement. This P.G. shall be initially valid upto the stipulated date of completion plus 60 days beyond that. In case, the time for completion of work gets extended, the Contractor shall get the validity of P.G. extended to cover such extended time for completion of work plus 60 days.	No	No	Not Allowed
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17	(d)The value of PG to be submitted by the Contractor will not change for variation upto 25% (either increase or decrease). In case during the course of execution, value of the contract increases by more than 25% of the original contract value, an additional Performance Guarantee amounting to 5% (five percent) for the excess value over the original contract value shall be deposited by the Contractor. On the other hand, if the value of contract decreases by more than 25% of the original contract value, Performance Guarantee amounting to 5% (five percent) of the decrease in the contract value shall be returned to the Contractor. The PG amount in excess of required PG for decreased contract value, available with Railways, shall be returned to Contractor as per his request duly safeguarding the interest of railways. (e)The Performance Guarantee (PG) shall be released after physical completion of the work based on 'Completion Certificate' issued by the competent authority stating that the Contractor has completed the work in all respects satisfactorily. (f)Whenever the contract is rescinded, the Performance Guarantee already submitted for the contract shall be encashed in addition to forfeiture of Security Deposit available with railway. (g)The Engineer shall not make a claim under the Performance Guarantee except for amounts to which the President of India is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the contract agreement) in the event of: (i)Failure by the Contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer may claim the full amount of the Performance Guarantee. (ii)Failure by the Contractor to pay President of India any amount due, either as agreed by the Contractor or determined under any of the Clauses/Conditions of the Agreement, within 30 days of the service of notice to this effect by Engineer. (iii)The Contract being determined or rescinded under clause 62 of the GCC (h)The tenderer who has offered lower total cost as compared to tender value by more than 10 %, shall be required to submit additional Performance Guarantee of value equal to half the percentage of tender value by which offer is lower than 10%. (e.g. in a tender costing Rs 100, if contract value is Rs 80, additional Performance Guarantee shall be $[0.5 \times (100-80) - 10]$ percentage of tender value.)	No	No	Not Allowed
18	Force Majeure Clause: If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any war, hostility, acts of public enemy, civil commotion, sabotage, serious loss or damage by fire, explosions, epidemics, strikes, lockouts or acts of God (hereinafter, referred to events) provided, notice of the happening of any such event is given by either party to the other within 30 days from the date of occurrence thereof, neither party shall by reason of such event, be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance, and works under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of the Engineer as to whether the works have been so resumed or not shall be final and conclusive, PROVIDED FURTHER that if the performance in whole or in part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 120 days, either party may at its option terminate the contract by giving notice to the other party.	No	No	Not Allowed

Special Conditions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	1. All materials which will be utilized for this work shall confirm to relevant ISS. 2. All the materials should be got approved from Sr.DEE/GHY and Engineer in-charge should be contacted before execution of work. 3. The firm should paint C.A.No. and Date on each major executed items at a distinct spot. 4. The contractor should provide one year warranty and five years annual maintenance contract service for the work from date of commissioning of the work 5. The contractor should maintain all the assets along with solar power plant free of cost for a period of 60 months from the date of completion of the work. 6. The drawing to be got approved by the Sr.DEE/GHY before execution of work. 7. All panels should be tested at manufacturer shop and witnessed by Railway representatives. 8. The contractor(s) have to supply all petty stores, which may be required for successful commissioning of the equipments, but not mentioned in the Schedule of works. The rate quoted against each item shall be inclusive of those petty stores. 9. All works related to steel structure such as painting, mounting of structure and other civil engineering jobs have to be done by the contractor. While painting the steel structure, it should be noted that one coat of Red-oxide paint has to be applied, thereafter two coats of Aluminium paint has to be applied. No extra payment will be made for these above mentioned works. 10. Materials used for construction of steel structure should be rust free; the rubber gaskets used in the structure should be weather proof. 11. Execution of horizontal boring should be done in presence of Site Engineer in charge with all necessary approvals. 12. Make of the materials will be following:- (i) Switchgears, Equipments & enclosure should be SIEMENS, ABB, L&T, Havells, Indoasian and equivalent. (ii) G.I. pipe should be of TATA/ZINDAL/Hindustan and equivalent. (iii) HDPE Pipe should be DURAGUARD DWC, AJA PLAS, SWASTIC and equivalent. (iv) C.I. pipe should be JINDAL, HEPCO, BPL, BIC or equivalent. (v) MS angle should be of JINDAL, TATA, and SAIL (vi) MS channel should be of SAIL & Vizag Steel (vii) Steel structure should be made of TATA, SAIL, and TISCO. (viii) PV Module (Monocrystalline) should be IEC certified Monocrystalline cell should be of CEL, TATA, Power Solar or MNRE approved. (ix) Grid tied Solar inverter with RMS should be DELTA, Fronius with minimum IP-65 protection. (x) Array Junction Box should be Hansel, HPL or equivalent. (xi) DC copper XLPE cable should be Havells, KEI, Finolex or equivalent. (xii) Meters should be Secure, L&T, and HPL (xiii) Sensors and Data Logger should be DELTA, EATON	No	No	Not Allowed
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2	Scope of the work: GENERAL: 1.Design, detailed engineering, manufacturing, supply, installation, testing and commissioning of Grid Connected Solar PV Power Plant of the required capacities. Transportation, insurance, transit insurance, Taxes, required civil work/mechanical work for foundation etc., storage of materials, statutory clearance & approval etc and any other items or accessories required for successful commissioning of Power Plant on "Single Responsibility" basis. In addition to the above, operation & maintenance of 05 (Five)years including replacement of all parts cover under the guarantee, providing tools & tackles required for maintenance purpose required spare parts etc shall be the part of the contract for period of 05 (five) years from date of commissioning of Roof Top Based Solar PV Power Plant. Note: All works Executed as per latest RDSO Specification/ Latest guide line issued by Central Govt Agency/MNRE standard 2.All the materials should be got approved by the officer In-charge at site and Sr.DEE/GHY before execution of the work. 3.Guaranty/warranty against any manufacturing defects for any items supplied to be provided from the date of commissioning. 4.Material will bear ISI/MNRE Accreditation laboratory certificate. 5.There shall not be any deviation from Electrical drawing and specification without prior approval of Competent Authority. 6.Site survey should be conducted by Company/Firm with SSE/Elect-in-charge & SSE/Works-in-charge for choose of location and capacity of solar power plant. Design, detailed engineering, manufacturing, supply, installation, testing and commissioning of Grid Connected Solar PV Power Plant with all accessories (inclusive of Electrical, Electronic and Mechanical features) along with Power Conditioning Units (PCUs), as required should be as per RDSO Specification/ Latest guide line issued by Central Govt Agency / Indian Railway / MNRE standard. 7.All electrical works should comply with Indian Electricity Act 2003 and Indian Electricity Rules 1956. 8.After completion of installation and commissioning of the respective Solar PV Power plant complete system by the contractor, the operation & maintainance of Solar power plant shall be provided for 5 consecutive years without any extra cost. 9.The operation & maintenance of Solar Photovoltaic Power Plant would include wear, tear, overhauling, machine breakdown, insurance, and replacement of defective modules, invertors / Power Conditioning Unit (PCU), spares, consumables & other parts for a period of 5 years. During this period, the bidder shall be responsible for supply of all spare parts as required from time to time for scheduled and preventive maintenance, major overhauling of the plant, replacement of defective modules, inverters, PCU's etc and maintaining log sheets for operation detail, deployment of staff for continuous operations and qualified engineer for supervision of O&M work, complaint logging & its attending. 10.A bird spike shall be provided to avoid bird sitting on the solar modules at the highest point of the array/module structure.	No	No	Not Allowed
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3	11. Supply and installation of Module mounting structure / super structure on identified locations. The successful tenderer shall design their SPV Panel structure with Hot dipped galvanised steel and cement concrete (CC) foundation suitable for site condition. Design of SPV structure shall be certified /vetted by a recognized Govt. Engineering College viz. IIT / NIT etc. or by a reputed structural consultant and submitted for approval before taking up the structure and foundation works. 12. Supply, installation, testing and commissioning of three phase Power Conditioning Units (PCU), (inverter plus local grid synchronizing system), distribution panels, electrical switchgears, inverters, metering and connecting the system to the switch gear (MCB/Distribution Board) provided by the Bank for load and connecting up the system to the electrical grid surge protection units etc. as required. 13. Testing and commissioning of the entire system including synchronizing with power grid and operation as required. The installation shall include the electrical switchgears, cabling, terminations, cable trays, inverters, metering and connecting the system to the electrical grid. 14. The PV modules shall be installed with the necessary tilt with the most effective orientation. 15. All related & required civil works will be the responsibility of successful tenderer. 16. Provision for periodic cleaning of the solar panels considering the ambient conditions of the site. 17. Supply of the recommended spare parts along with the main equipment's to avoid downtime during Guaranty/Warranty and defect liability period. 18. Inspection of the complete installation at least once every year during guarantee period by the respective equipment manufacturer's specialist Engineer(s). 19. Metering and grid connectivity of the roof top solar PV system under this scheme would be the responsibility of the Bidder in accordance with the prevailing guidelines of the concerned DISCOM and / or CEA. 20. Make of Items:- i) The system/ components/ items of the SPV power systems- RDSO / MNRE approved sources. 21. All the condition mentioned in Draft Specification No. RDSO/PE/SPEC/PS/0092 (Rev. '1') - 2014 of GOVERNMENT OF INDIA MINISTRY OF RAILWAYS letter for GRID CONNECT SOLAR GENERATING SYSTEM OF CAPACITY 10 KWp to 500 KWp. Or the latest letter & specification of RDSO.	No	No	Not Allowed
4	PENALTY:- 1) The contractor should provide one year warranty and five years annual maintenance contract service for the work from date of commissioning of the work. The P.G money and Security Deposit will be kept withheld by Railway till the completion of the AMC	No	No	Not Allowed

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5	Paying Authority :- The paying authority for this contract is DFM/Guwahati. PAYMENT OF CONSERVANCY CESS: As per the recent directive of Railway Board, "Conservancy Cess" charges shall be recovered from the contractor's monthly bills as follows: Railway Contractors Average No. of labourers/workmen employed per dayConservancy Cess charge to recovered (per month) a) Engg. Works contractors (Engg., Elect.-Mech, Signal etc.) 1 to 5 6 to 10Rs. 61/- Rs. 120/- b) Genl. Goods Handling Contractors including Contractors awarded by Stores Department 11 to 25 26 to 50Rs. 302/- Rs. 440/- c) Coal Handling , Ashpit cleaning contractors51 to 100Rs. 590/- d) Railway siding used by the Contractors.101 to 200Rs. 742/- e) Contractors supplying water to engines201 to 300 301 to 750 751 to 1500 1501 to 3000 3001 & aboveRs. 892/- Rs. 1030/- Rs. 2072/- Rs. 4146/- Rs. 8280/- Payment to the contractual labours:- i) The contractor shall credit the monthly wages of the labours to their respective bank account i.e. contractor will make payment to the labour in e-mode only and not on cash basis. The payment to the contractor labourers should be made through bank/cheque. ii) Monthly salary statement of the labours duly acknowledge by them shall be submitted with Competent Railway Authority. iii) The employees of contractor shall not be entitled for any facility as is being provided to Railway staff. The wages are to be paid as per the wages Act/notification issued by Government from time to time. It is the sole responsibility of contractor to observe and abide by the factory Act, Provision of Labour Act, Workman compensation Act, Provident fund Act, Minimum wages Act, Payment of wages Act, and contribution towards EPF. Gratuity Act and other regulations framed by the Govt. and revised from time to time. Contractor shall keep a register for payment of wages once in a month. i)The contractor is required to open separate PF account for its employee deployed in this work exclusively. The contractor shall be responsible for depositing Provident fund, ESI contribution and other statutory charges payable and shall attach documentary proof of having deposited the same along with the bill of next month. The amount deposited against these liabilities should be deposited on a separate challan only for manpower deployed in this work	No	No	Not Allowed
6	Mode of payment through Letter of Credit (LC):- (i) The bidder, at the time of bidding itself, shall exercise an option in writing, in favour of taking payment due against the said tender, through LC arrangement. (ii) The option so exercised, shall be an integral part of the bidder's offer. Option once exercised shall be final and no change shall be permitted, thereafter, during the course of execution of contract. (iii) The incidental cost towards issue of LC and operation thereof (LC operating charges, including bank charges for opening of LC) shall be borne by the supplier/contractor. The Document of Authorization (format enclosed as Ann-1) of LC will be issued by Railway on claims preferred by supplier/contractor, for completed works/supply to enable them to claim the authorized amount from their banker. The Document of Authorization will be issued against each bill submitted for payment by supplier/contractor, after exercising laid down checks as per Railway's Codes & Manuals, in executive & accounts branches. The status of claim could be viewed by the contractor in IREPS & IPAS.	No	No	Not Allowed
7	Multiple L-1: In case of more than one L-1 bidders, tender may be awarded totenderer having higher Bid capacity .In case bid capacity is also the same,tenderer having done more value of similar works in last three previous financial years and the current financial year up to date of opening of thetender, may be selected for the award. Instructions with respect to bid capacity will follow. The contractor strictly complying minimum wages for the engaged labour as per notified rate and rejection of offer in the event of failure to comply with minimum wage.	No	No	Not Allowed
8	1.5.1 The contractor shall be entitled upon the certificate of the Sr. Divisional Electrical Engineer or his representative authorized on this behalf to an account payments in instalments by the Railway as under:- i)The 90 % of part payment will be made on quarterly basis, for the equipment duly completed, inspected and tested in all respect during this quarter will be made on contractor request. ii)Final payment including balance 10% payment will be paid on completion after entire ordered in all respect subject to production of completion certificate duly signed by inspection in-charge authorized by Senior Divisional Electrical Engineer, NF Railway , Guwahati iii)All the standard deduction will be deducted from the bill as applicable at the time of payment. (iv)Final payment against the works will be released only on production of original purchase documents of all major and minor items used in the works.	No	No	Not Allowed

**LUMDING-MLG-ELECTRICAL/N F RLY
TENDER DOCUMENT**

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9	Drawing for cable trench as per Drawing No. Sr.DEE/GHY's Drg. No. SDEE/GH/20 Dt. 08.05.2009	No	No	Not Allowed
10	Technical specification for method of laying cable under Railway Track(s): Specification No. Sr.DEE/GH/SPN/139 Dt. 20.10.2017	No	No	Not Allowed

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/We visited the works site and I/We am/are aware of the site condition	No	No	Not Allowed
2	I/We have read the various conditions attached/referred to in this tender document and agree to abide by the said condition.	No	No	Not Allowed
3	I/We also hereby agree to abide by the Indian Railways Standard General Conditions of Contract 2020 with all correction slip upto date of closing of tender and to carry out the work according to the special conditions of contract and specification of materials and work as laid down by Railway in the attached special condition or specification, Schedule of rates with all correction slips upto date of closing of tender for the instant contract.	No	No	Not Allowed
4	I/We have downloaded and gone through all the attached documents carefully, thus have complied all the requisite information(s) and uploaded the relevant documents accordingly	No	No	Not Allowed
5	I/We also hereby agree to abide by the terms and conditions of the GST act,2017.	No	No	Not Allowed

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	i) New tax structure is applicable as per GST Act implemented w.e.f. 01.07.2017. ii) Rates should be quoted inclusive of Goods & Service Tax(GST).	No	No	Allowed (Mandatory)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	855SOLARGHY_1.pdf	Document

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017.

Signed By: SARJAN THAKUR

Designation : Sr.DEE/GHY