

**LUCKNOW-NER-DIVISION-ELECTRICAL/NORTH EASTERN RLY
TENDER DOCUMENT**

Tender No: SRDEE-LJN-20-2022

Closing Date/Time: 23/03/2023 15:00

SR.DEE/G/LJN acting for and on behalf of The President of India invites E-Tenders against Tender No SRDEE-LJN-20-2022 Closing Date/Time 23/03/2023 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.

1. NIT HEADER

Name of Work	Provision of ON Grid Solar System of different capacities at different Railway stations over Lucknow Division.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	23/03/2023 15:00	Date Time Of Uploading Tender	28/02/2023 19:58
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	8111944.74	Tendering Section	GENERAL
Bidding Style	Single Rate for Each Schedule Item	Bidding Unit	
Earnest Money (Rs.)	162200.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	6 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	09/03/2023	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-NS ITEM							8111944.74	
1	1	160.00	KWp	46227.54	7396406.40	AT Par	7396406.40	Rs.
	Description:- Design and Supply of On-Grid connected Solar Photo Voltaic (PV) Plant without battery backup complete with following items: a) Silicon Solar Cell connected in series (PV Module) b) Solar Grid Connected String Inverter along with Data Logger. With provision of Data transferring (RS-485, Wi fi, GPRS, RF) to remote service platform for data storage and analysis displayed in various visual and graphical formats on Web-App & big screen display. c) Solar PV Module Mounting Structure. d) Array Junction Box. e) Inverter interfacing panel. f) Fire resistant DC Cables and Fire resistant AC Cables of suitable length as per site requirement for interconnecting panels, array, junction box and solar inverter system etc. including all other accessories along with installation, testing and commissioning of above Solar Photo Voltaic Modules on roof top of building/Shed top of station platform with all associated works etc. in different capacities at different Railway stations over Lucknow Division as stated in Explanatory Note. Solar System shall be inspected at manufacturer's premises by the RITES. Cost for the inspection shall be borne by the contractor.							
2	2	600.00	Metre	24.50	14700.00	AT Par	14700.00	Rs.
	Description:- Laying of L. T. Cable of required size in open/air/along wall/ along pole with clamping arrangement conforming to IS:1255/1983 (Latest Version). Cable will be supplied by Railway)							
3	3	900.00	Metre	137.20	123480.00	AT Par	123480.00	Rs.
	Description:- Laying of 1 No. XLPE insulated and PVC sheathed power cable of grade 1.1 KV size 3½/4 core size not exceeding 25 Sq mm Alluminium conductor cable direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required. (Cable will be supplied by Railway)							
4	4	900.00	Metre	42.14	37926.00	AT Par	37926.00	Rs.
	Description:- Laying and Fixing of one No. Additional PVC/XLPE Insulated PVC sheathed aluminium conductor L.T. power cable 3½/4 core of grade 1.1 KV of size not exceeding 25 Sq. mm in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc. as required. (Cable will be supplied by Railway)							
5	5	50.00	Numbers	108.90	5445.00	AT Par	5445.00	Rs.
	Description:- Supply and fixing of cable route marker made with stone as per drawing attached.							
6	6	18.00	Numbers	1853.67	33366.06	AT Par	33366.06	Rs.
	Description:- Supplying, fabrication, installing, fixing of MS sheet junction box (outdoor type) size 450x450x200 mm made of 1.6 mm thick M.S. sheet having lockable cover duly painted with gray paint over red oxide primer duly naming 240/415 volts with red paint complete with 3 phase aluminium bus-bar one for neutral with Al. strips 40x10 mm fixed with bus-bar insulators including suitable size of cable gland in bottom side for incoming & outgoing cable and including double earthing stud complete in all respect. The junction box will be fitted on Rail pole on platform/off side with M.S. flat clamps, bolts & nuts etc. for interconnection to pre-cooling points.							

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7	7	2.00	Numbers	16236.64	32473.28	AT Par	32473.28	Rs.
	Description:- Supply, Installation, Testing and Commissioning of Busbar Chamber System 400 A Rating Four Pole 4 way type conforming to IS:8623 and IS:2147 with latest version busbar layout stack layer type short circuit withstand capacity 35 KA Degree of protection IP 31 fabricated with sheet steel (CRCA) 1.6 mm thickness and epoxy powder coated, bus bar section made of ETP grade copper dull tin plated with DMC support, Neutral bus bar fully rated, top and bottom end plate detachable suitable for 440 V 50 HZ AC Supply complete in all respect.							
8	8	16.00	Numbers	10398.00	166368.00	AT Par	166368.00	Rs.
	Description:- Supply, Installation, Testing and Commissioning of Busbar Chamber System 200 A Rating Four Pole 4 way type conforming to IS:8623 and IS:2147 with latest version busbar layout stack layer type short circuit withstand capacity 35 KA Degree of protection IP 31 fabricated with sheet steel (CRCA) 1.6 mm thickness and epoxy powder coated, bus bar section made of ETP grade copper dull tin plated with DMC support, Neutral bus bar fully rated, top and bottom end plate detachable suitable for 440 V 50 HZ AC Supply complete in all respect.							
9	9	1200.00	Kg	63.70	76440.00	AT Par	76440.00	Rs.
	Description:- Supply, Fabrication and Erection of angle iron 35 x 35 x 5 mm / 40 x 40 x 6 mm / 50x 50 x 6 mm conforming to IS: 808/1989 (Latest Version) for making 4 Pole structures and protective iron cage complete in all respect as per site requirement.							
10	10	1500.00	MT-Km	13.44	20160.00	AT Par	20160.00	Rs.
	Description:- Carting of Material from Railway site supervisor's depot to site (Only for the material supplied by Railway and returning of Released material from site to store depot of Supervisor)							
11	11	150.00	Metre	1296.00	194400.00	AT Par	194400.00	Rs.
	Description:- Excavation of trenchless track by horizontal direct drilling (HDD) method under Railway track/busy road etc. at a depth of minimum 120 CM below ground level as per direction of site engineer incharge along with Supply and Laying of DWC- HDPE Pipe of 150 mm inner dia conforming to IS : 14930 Part II in HDD portion. (HDPE Pipe shall be supplied by Contractor)							
12	12	2.00	cum	5390.00	10780.00	AT Par	10780.00	Rs.
	Description:- Cement Concrete Foundation, ratio 1:2:4 with 20 mm and down graded stone aggregate and coarse sand as per site requirement.							

3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	WORKS CONTRACT - Financial Eligibility Criteria for Tenderer is as follows for the tender value above 50 lac - The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where V= Advertised value of the tender in crores of Rupees, N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared / audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover.	No	No	Allowed (Mandatory)
1.1	WORKS CONTRACT - No Financial credentials are required for tenders having value up to Rs 50 lakh.	No	No	Allowed (Optional)
1.2	The tenderer shall submit requisite information as per Annexure -VIB, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.	No	No	Not Allowed

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)