

**BANGALORE DIVISION-ELECTRICAL/SOUTH WESTERN RLY
TENDER DOCUMENT**

Tender No: BE-29-2021-22-OT-12

Closing Date/Time: 02/11/2021 11:00

Sr. Divisional Electrical Engineer General SBC acting for and on behalf of The President of India invites E-Tenders against Tender No **BE-29-2021-22-OT-12** Closing Date/Time 02/11/2021 11:00 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	Provision of Solar roof top Photo Voltaic power system at 7 stations under solar mission.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	02/11/2021 11:00	Date Time Of Uploading Tender	08/10/2021 19:48
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	7737497.00	Tendering Section	GENERAL
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money /Bid Security (Rs.)	0.00	Validity of Offer (Days)	45
Obtain Bid Security Declaration in lieu of Bid Security	Yes		
Tender Doc. Cost (Rs.)	0.00	Period of Completion	4 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	19/10/2021	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 01-Provision of Solar Roof Top Photo Voltaic power system at 7 stations under solar Mission							7737497.00	
1	Please see Item Breakup for details.				7737497.00	AT Par	7737497.00	
	Description:- Provision of Solar Roof Top Photo Voltaic power system at 7 stations under solar Mission							

3. ITEM BREAKUP

Schedule	Schedule 01-Provision of Solar Roof Top Photo Voltaic power system at 7 stations under solar Mission					
Item- 1	Provision of Solar Roof Top Photo Voltaic power system at 7 stations under solar Mission					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Design, supply,installation,testing and commissioning of ON GRID 14 KWp solar roof top power generating system with required solar PV module panels, MS Hot dipped Galvanized structure suitable to mount the panles including standard junction boxes, required distribution boards with switchgear , suitable connectors & copper cables , suitable solar inverter with inbuilt MPPT , DC input range 240-500V and out put 415V - 3 phase , EB approved Bidirectional energy meter, maintenance free earthings -3 Nos , suitable lighting protection with lighting conductors etc., as per specifications including all necessary accessories as per site condition.	Set	2.00	1091631.00	2183262.00

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2	2	Design, supply,installation,testing and commissioning of ON GRID 16 KWp solar roof top power generating system with required solar PV module panels, MS Hot dipped Galvanized structure suitable to mount the panles including standard junction boxes, required distribution boards with switchgear , suitable connectors & copper cables , suitable solar inverter with inbuilt MPPT , DC input range 240-500V and out put 415V - 3 phase , EB approved Bidirectional energy meter, maintenance free earthings -3 Nos , suitable lighting protection with lighting conductors etc., as per specifications including all necessary accessories as per site condition.	Set	1.00	1226651.00	1226651.00
3	3	Design, supply,installation,testing and commissioning of ON GRID 13 KWp solar roof top power generating system with required solar PV module panels, MS Hot dipped Galvanized structure suitable to mount the panles including standard junction boxes, required distribution boards with switchgear , suitable connectors & copper cables , suitable solar inverter with inbuilt MPPT , DC input range 240-500V and out put 415V - 3 phase , EB approved Bidirectional energy meter, maintenance free earthings -3 Nos , suitable lighting protection with lighting conductors etc., as per specifications including all necessary accessories as per site condition.	Set	1.00	1041231.00	1041231.00
4	4	Design, supply,installation,testing and commissioning of ON GRID 15 KWp solar roof top power generating system with required solar PV module panels, MS Hot dipped Galvanized structure suitable to mount the panles including standard junction boxes, required distribution boards with switchgear , suitable connectors & copper cables , suitable solar inverter with inbuilt MPPT , DC input range 240-500V and out put 415V - 3 phase , EB approved Bidirectional energy meter, maintenance free earthings -3 Nos , suitable lighting protection with lighting conductors etc., as per specifications including all necessary accessories as per site condition.	Set	1.00	1142031.00	1142031.00
5	5	Design, supply,installation,testing and commissioning of ON GRID 17 KWp solar roof top power generating system with required solar PV module panels, MS Hot dipped Galvanized structure suitable to mount the panles including standard junction boxes, required distribution boards with switchgear , suitable connectors & copper cables , suitable solar inverter with inbuilt MPPT , DC input range 240-500V and out put 415V - 3 phase , EB approved Bidirectional energy meter, maintenance free earthings -3 Nos , suitable lighting protection with lighting conductors etc., as per specifications including all necessary accessories as per site condition.	Set	1.00	1292051.00	1292051.00
6	6	Design, supply,installation,testing and commissioning of ON GRID 10 KWp solar roof top power generating system with required solar PV module panels, MS Hot dipped Galvanized structure suitable to mount the panles including standard junction boxes, required distribution boards with switchgear , suitable connectors & copper cables , suitable solar inverter with inbuilt MPPT , DC input range 240-500V and out put 415V - 3 phase , EB approved Bidirectional energy meter, maintenance free earthings -3 Nos , suitable lighting protection with lighting conductors etc., as per specifications including all necessary accessories as per site condition.	Set	1.00	852271.00	852271.00
					Total	7737497.00

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 opening 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 and/or Audited Balance Sheet duly certified by the Chartered Accountant etc.	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. Definition of Similar Nature of Works Applicable: Supply, installation, testing and commissioning of solar power generating system of at least 5KWp capacity.	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

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

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tenderers are advised to Submit all the documents required to be uploaded by them in Hindi, English or Kannada. Documents uploaded in any other language shall be translated to Hindi, English or Kannada and attested copy may be uploaded for better appreciation of the tender	No	No	Not Allowed
2	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	No	No	Not Allowed
3	Supply of Materials by Contractors - Material Supply will be taken by the Railways as per the site conditions in part or full as per the instructions of the Engineer in-charge. Contractors are bound to adhere to the instructions of Engineer In Charge regarding the supply of materials.	No	No	Not Allowed
4	The tenderers are advised to carefully read the Tender Document attached with this Notice Inviting Tender (NIT) in conjunction with Indian Railways Standard General Conditions of Contract- 2020 with latest amendments and Correction Slips before participating in this Tender	No	No	Not Allowed

Custom

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S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer shall upload documents containing the particulars of the offer like make, model and technical specification of all items to be supplied for the list enclosed in Annexure-1 of tender document intended to be provided by contractor without which the offer will be summarily rejected.	Yes	Yes	Allowed (Mandatory)
2	Tender Form Filled and signed as per Annexure A should be uploaded by the tenderer.	Yes	Yes	Allowed (Mandatory)
3	TENDERERS CREDENTIALS: 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.	Yes	Yes	Allowed (Mandatory)
4	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. Necessary documents to this effect as applicable, as per Clause No. 14 of tender form (second sheet) of Tender Document to be uploaded	Yes	Yes	Allowed (Mandatory)
5	A copy of Power of attorney duly stamped and authenticated by a Notary Public or by Magistrate, if applicable, as per Clause No. 15 of tender form (second sheet) of Tender Document to be uploaded.	Yes	Yes	Allowed (Optional)
6	Information regarding Employment/Partnership etc. of Retired Railway Employees as per as per Clause No. 16 of tender form (second sheet) of Tender Document to be uploaded.	Yes	Yes	Allowed (Mandatory)
7	The successful tenderer has to submit the details regarding engagement of contract labourers and the Checklist for the same is enclosed as Annexure in the tender document. The same has to be submitted by the successful tenderer while submitting the PG.	Yes	Yes	Not Allowed
8	Bidders are advised to submit bid security declaration in the format given in tender document (Para.4 of Chapter 1)in lieu of Earnest Money Deposit. If the bidder withdraw the bid within bid validity period or if awarded the tender and on being called upon to submit the Performance Guarantee/Performance Security fail to submit the same within the stipulated time period mentioned in tender documents or on being called upon to sign the contract agreement fail to sign the same within stipulated period mentioned in tender documents, the bidder shall be banned from submission of bids in any Works / Service Tender issued by Indian Railways for a period of 12 months from the date of such banning done on e-platform IREPS Bid Security Declaration: I/We, M/s ----- ------(Name of bidder) am/are aware that I/We have been exempted from submission of Bid Security/Earnest Money Deposit in lieu of this Bid Security Declaration. I/We understand and accept that if I/We withdraw my/our bid within bid validity period or if awarded the tender and on being called upon to submit the Performance Guarantee/Performance Security fail to submit the same within the stipulated time period mentioned in tender documents or on being called upon to sign the contract agreement fail to sign the same within stipulated period mentioned in tender documents, I/We i.e., the bidder shall be banned from submission of bids in any Works / Service Tender issued by Indian Railways for a period of 12 months from the date of such banning done on e-platform IREPS. (Signature of bidder)	Yes	Yes	Allowed (Mandatory)
9	The successful tenderer have to furnish initial schematic drawing duly inspecting the site with SSE incharge before taking up the work and final schematic diagram as per the work done shall be submitted after completion of the entire work	Yes	Yes	Not Allowed
10	Vide Para No.14 of GCC, the tenderer shall submit an undertaking that the firm as an individual/HUF/Partnership/ Company/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.	Yes	Yes	Allowed (Mandatory)
11	The PV Modules shall be warranted for minimum of 10years against all material/manufacturing defects and workmanship. The inverter shall be warranted for minimum of 05 years against all material/manufacturing defects and workmanship. 4.The PV Modules used in grid connected solar power plants must be warranted for peak output wattage, which should not be less than 90% at the end of 10years and 80% at the end of 25years.	Yes	Yes	Not Allowed

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12	The tenderer should upload a certificate citing abidance to 10years warranty obligation for SOLAR PV Modules and 05 years for PCU/ inverter duly signed by the tenderer. Before submitting the final bill, the successful tenderer has to submit warranty certificate on Stamp Paper of value Rs 200/-citing abidance to 10years warranty obligation for SOLAR PV Modules and 05 years for PCU/ inverter duly signed by the tenderer and certified by Notary against failure for PV MODULES AND INVERTER/ PCU etc for a period from the date of passing of Final Completion Certificate for the work. In case of failure to comply with the warranty obligation this undertaking will be a valid binding document for taking legal action for default.	Yes	Yes	Allowed (Mandatory)
13	Certificate from NABL approved or/ILAC member body certified labs shall be uploaded for Solar PV modules and certificates from MNRE approved test centres/ NABL/ BIS/ IEC accredited testing- calibration laboratories shall be uploaded for Inverters/PCUs.	Yes	Yes	Allowed (Mandatory)
14	contractors to Ensure net metering with the concerned Distribution Company on behalf of Railways and to Facilitate the execution of the Net Metering agreement (including procurement & all cost related to Net Metering connection thereof) of Railways with the utility.	Yes	Yes	Not Allowed
15	rites/RDSO inspection to be carried out for all materials detailed in Clause no. 7 "INSPECTION OF MATERIALS" under special conditions of contract of the tender document.	Yes	Yes	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	solaredited08102021.pdf	TENDERDOC

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 and amendments/ revisions thereof.

As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: KUMARI PUJA

Designation : Sr.DEEG