

**DHANBAD DIVISION-ELECTRICAL/EAST CENTRAL RLY  
TENDER DOCUMENT**

Tender No: EL-14-OPEN-2024-25

Closing Date/Time: 08/08/2024 11:00

Sr.DEE/GS/ECR/DHN acting for and on behalf of The President of India invites E-Tenders against Tender No **EL-14-OPEN-2024-25** Closing Date/Time 08/08/2024 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.

**1. NIT HEADER**

<b>Name of Work</b>	(A) Provision of roof top solar plant on buildings at different Railway stations over Dhanbad Division.(B) Provision of roof top solar plant at various service buildings over Dhanbad division.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	08/08/2024 11:00	<b>Date Time Of Uploading Tender</b>	12/07/2024 18:19
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	218550971.84	<b>Tendering Section</b>	ELECT G
<b>Bidding Style</b>	Single Rate for Each Schedule Item	<b>Bidding Unit</b>	
<b>Earnest Money (Rs.)</b>	1242800.00	<b>Validity of Offer ( Days)</b>	90
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	6 Months
<b>Contract Type</b>	Works	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	25/07/2024	<b>Are Joint Venture (JV) firms allowed to bid</b>	Yes
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Solarization of Rooftop

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule A</b> -Provision of roof top solar plant on buildings at different Railway stations over Dhanbad Division.							135205262.24	
1		2482.00	KWp	54474.32	135205262.24	AT Par	135205262.24	Rs.
<b>Description:-</b> Design, manufacture & supply of Grid connected Solar Photo voltaic (PV) Plant without battery backup complete with the following items : a) Single / Poly Crystalline Silicon Solar Cell connected in series (PV Module), b) Solar Grid Connected String Inverter along with Data Logger, with provisionfor data transferring (RS-485, Wifi, GPRS, RF) to remote service platform for data storage & analysis displayed in various visual & graphical formats on Web-App & big screen display c) Aluminum Solar PV Module Mounting Structure, d) Array Junction Box, e) Inverter Interfacing Panel, f) Fire resistant DC Cables & 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 Service buildings with all associated works along with bi-directional meter and with net metering system wherever requiredwith supply of net meter.								
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule B</b> -Provision of roof top solar plant at various service buildings over Dhanbad division.							83345709.60	
1		1530.00	KWp	54474.32	83345709.60	AT Par	83345709.60	Rs.
<b>Description:-</b> Design, manufacture & supply of Grid connected Solar Photo voltaic (PV) Plant without battery backup complete with the following items : a) Single / Poly Crystalline Silicon Solar Cell connected in series (PV Module), b) Solar Grid Connected String Inverter along with Data Logger, with provision for data transferring (RS-485, Wifi, GPRS, RF) to remote service platform for data storage & analysis displayed in various visual & graphical formats on Web-App & big screen display c) Aluminum Solar PV Module Mounting Structure, d) Array Junction Box, e) Inverter Interfacing Panel, f) Fire resistant DC Cables & 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 Service buildings with all associated works along with bi-directional meter and with net metering system wherever requiredwith supply of net meter.								

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**3. ITEM BREAKUP**

No item break up added
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**4. ELIGIBILITY CONDITIONS**

**Standard Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Financial Eligibility Criteria: 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 per 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. The tenderers 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	Allowed (Mandatory)

**Special Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Bid Capacity:- The tender/technical bid will be evaluated based on bid capacity formula detailed as Annexure-VI.	No	No	Allowed (Mandatory)

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Similar nature of work: (i)Supply and installation of solar plant of any nature. OR (ii)Supply and installation of rooftop solar plant of any capacity.	No	No	Allowed (Mandatory)

**Standard Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	<p>Technical Eligibility Criteria: (a)The tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i)Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii)Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii)One similar work costing not less than the amount equal to 60% of advertised value of the tender. (b) (1)In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&amp;T works, Electrical works, OHE works etc. and in the case of major bridges - substructure, superstructure etc.), tenderer must have successfully completed or substantially completed any one of the following categories of work(s) during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: (i)Three similar works each costing not less than the amount equal to 30% of advertised value of each component of tender, or (ii)Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or (iii)One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender. Note for b(1): Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components. (b)(2)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) (3) 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 of the Standard General Conditions of Contractor through subcontractor fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract 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 fulfillment of technical eligibility. Such subcontractor must fulfill technical eligibility criteria as follows: The subcontractor shall have successfully completed at least one work similar to work proposed for subcontract, costing not less than 35% value of work to be subletted, in last 5 years, ending last day of month previous to the one in which tender is invited through a works contract. Note: for subletting of work costing up to Rs 50 lakh, no previous work experience of subcontractor shall be asked for by the Railway.</p>	No	No	Allowed (Mandatory)
1.1	<p>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 the Standard General Conditions of Contract, with prior approval of Chief Engineer in writing. 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 at least 5 years prior to the date of closing 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.</p>	No	No	Not Allowed

**Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:**

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website <a href="http://www.ireps.gov.in">www.ireps.gov.in</a> . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.

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6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.
8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.
9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

**Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.**

S.No.	Description
1	<b>Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.</b> Please submit a certificate in the prescribed format (please download the format from the link given below). 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. ( <a href="#">Click here</a> to download the Format of Self Certification)

**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	1. I/We have visited the works site and I/We am/are aware of the site conditions. 2. We have read the tender Notice[NIT] details, Tender document along with all the conditions attached/referred to, in this tender document, and agree to abide by the said conditions. 3. We are aware of the fact that the railway reserves the right to amend the scope and value of the contract and to reject[or accept] this offer without assigning any financial liability.	No	No	Not Allowed
2	Minimum height of the lowest part of the PV module from the roof floor should be 3 feet after final erection / as per mutual agreed with Railway's Engineering department.	No	No	Not Allowed
3	Process of tendering:- This tender is being invited following two packet system, Packet - I will contain Technical Bid and Packet - II will contain financial Bid. On the scheduled date of opening, only packet -I will be opened. The technical capabilities of the tenderers will be examined by the Railway based on the documents submitted by them in Packet -I as per the eligibility criteria laid down in the tender notice/tender document. The successful tenderer who will be considered technically acceptable and eligible will be informed and the financial bids of those tenderers will be opened on the date and time of technically suitable tenderers. The financial bids of unsuccessful tenderers will not be opened.	No	No	Not Allowed
4	NOTE:-The tenderer is advised to go through the tender document thoroughly before quoting the rate.	No	No	Not Allowed

**Custom**

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1	Valid electrical contractor's license for the required voltage level or above the required voltage level from any state/central govt. licensing board. Note: The bidder has to mandatorily submit valid electrical contractor's license for the required voltage level or above the required voltage level from any state/central govt. licensing board along with electrical supervisory license. (Not required in case of hiring of vehicles)	Yes	Yes	Allowed (Mandatory)

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	TenderDocumentSolarFinal.pdf	Tender Document
2	GCCApril2022.pdf	GCC April 2022
3	Annexure-VI.pdf	Annexure VI
4	GCCcorrectionslip1to6.pdf	GCC Correction Slips
5	ClarificationregardingsubmissionofAnnexure-VofGCC.pdf	CLarifications

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:** BHAJAN LAL

**Designation :** Sr.DEE/G/DHN