

**HOWRAH DIVISION-ELECTRICAL/EASTERN RLY  
TENDER DOCUMENT**

**Tender No:** EL-HWH-25-21-3231-R2

**Closing Date/Time:** 14/11/2023 15:00

Sr.DEE/G/HWH acting for and on behalf of The President of India invites E-Tenders against Tender No **EL-HWH-25-21-3231-R2** Closing Date/Time 14/11/2023 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**

<b>Name of Work</b>	Installation of 1125 kWp on grid solar plant in connection with the work for Installation of 2.2 MWp on-grid (without battery backup) Solar roof-top/ shed-top Plant over Howrah Division under the jurisdiction of SSE/G/Howrah.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	14/11/2023 15:00	<b>Date Time Of Uploading Tender</b>	20/10/2023 13:42
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	51444607.50	<b>Tendering Section</b>	TENDER ELG
<b>Bidding Style</b>	Single Rate for Tender	<b>Bidding Unit</b>	Above/Below/Par
<b>Earnest Money (Rs.)</b>	407200.00	<b>Validity of Offer ( Days)</b>	45
<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>	31/10/2023	<b>Are Joint Venture (JV) firms allowed to bid</b>	No
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Capital (Works)

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule A</b> -Installation of 1125 kWp on grid solar plant in connection with the work for Installation of 2.2 MWp on-grid (without battery backup) Solar roof-top/ shed-top Plant over Howrah Division under the jurisdiction of SSE/G/Howrah.							51444607.50	
1	1	1125.00	KWp	38753.00	43597125.00	AT Par	43597125.00	
	<b>Description:-</b> Design and supply of On-Grid connected Solar Photo Voltaic (PV) Plant without battery backup complete with the following items : (a) Mono / 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 and analysis displayed in various visual and grafical formats on Web-App & big screen display (c) Aluminium Solar PV Module Mounting Structure, (d) Array Junction Box, (e) Inverter Interfacing Panels ( AC Distribution Board , Grid Interfacing Panel ), (f) Fire resistant DC Cables and Fire resistant AC cables of suitable size ( in sq.mm ) and length including dressing / laying of cable through suitable size GI covered cable tray / through HDPE Pipe / underground by Microtunneling method / through GI pipe as per site requirement for interconnecting panels, array Junction box and solar inverter system, ACDB, GIP etc. including all other accessories such as monkey ladder for maintenance access to roof / shed, lightning arrester, suitable earthing arrangement along with installation, testing and commissioning of above Solar Photo Voltaic Modules on roof top of building / Shed top of Station Platform / Coaching Yard / Workshop with all associated works.							
2	2	1.00	Lumpsum	7847482.50	7847482.50	AT Par	7847482.50	
	<b>Description:-</b> Goods & Services Tax ( at present @ 18% )							

**3. ITEM BREAKUP**

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

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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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 costing not less than the amount equal to 30% of advertised value of the tender, or Two similar works costing not less than the amount equal to 40% of advertised value of the tender, or One similar work costing not less than the amount equal to 60% of advertised value of the tender. Definition of similar nature of work has given below(1.1).	No	No	Allowed (Mandatory)
1.1	Definition of Similar Work :- The firm should have carried out the work of "Design, supply, installation, connection, testing and commissioning of roof top/shed top/ water surface/ vacant land based On-Grid/Off-Grid/Hybrid Solar system with associated work"	No	No	Not Allowed

**Standard Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	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.(Please attach scanned copy of Annexure VIB duly filled up).	No	No	Allowed (Mandatory)

**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 www.ireps.gov.in . 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.
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)

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**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)
2	The following documents should be attached with the tender: (i) Scanned copy of Pan Card. (ii) Scanned Copy of EFTMANDATE FORM (Annexure -VIII). Duly filled up by the bidder (iii) Tender Document (duly digitally signed by the bidder)	No	Yes	Allowed (Optional)
3	Scanned copy of valid GST (Goods & Service Tax) Registration Certificate.	Yes	Yes	Allowed (Mandatory)
4	Scanned copy of valid Trade license or Proprietorship Certificate.	No	Yes	Allowed (Optional)
5	List of the Works completed in the last three financial years giving description of work. Organization for whom executed, approximate value of contract at the time of award, date of award and date of scheduled completion of work. Date of actual start, actual completion and date of payment and final value of contract should also be given. (Supportive documents/ certificates from the organization with whom worked/are working should be enclosed) (Please attach scanned copy of Annexure-I duly filled up).	No	Yes	Allowed (Optional)
6	List of works in hand indicating Supportive documents/certificates from the organization with whom worked/are working should be enclosed) description of work, contract value, approximate value of balance work yet to be done and date of award. (Supportive documents/certificates from the organization with whom worked/are working should be enclosed). (Please attach scanned copy of Annexure-IV duly filled up)	No	Yes	Allowed (Optional)
7	Partnership deeds, power of Attorney etc. (if any) : The tender shall clearly specify whether the tender is submitted on his own or on behalf of a partnership concern. If the tender is submitted on behalf of partnership concern he should submit the certified copy of the partnership deed along with the tender authorisation to sign the documents on behalf of the partnership firm. If these documents are not enclosed along with the tender document, the tender will be treated as hearing lease submitted by the individual signing the tender documents. The Railway will not consider any power of Attorney granted by the tender or any changes in the composition of the firm made subsequent to the execution of the contract. It may however recognize such power of Attorney and change after obtaining proper legal advice, the cost of which will be chargeable to the contract. (Scanned copy to be uploaded).	Yes	Yes	Allowed (Mandatory)
8	Railway Officers Associated with tenderer: RAILWAY OFFICERS ASSOCIATED WITH TENDERER 1. Ex-Railway Officer as tenderer: Should tenderer be a retired Gazetted Officer working before his retirement on any of the Railways owned and administered by the President of India, or should the tenderer being partnership firm have as one of its partners a retired Gazetted Officer as aforesaid, or should the tenderer being an incorporated company have any such retired Officer as one of its Directors, or should the tenderer have in his employment any retired Gazetted Officer as aforesaid, full information of such person shall be submitted along with his tender in the format given in annexure-V to this chapter of this tender document. (Authority: ACS No.3 to GCC July, 2014 vide Boards letter No.2014/CEI/CT/O/9/RET dt.22.01.2015) (please attach scanned copy of Annexure-v duly filled up by the firm).	No	Yes	Allowed (Optional)
9	Option for receiving payment through Letter of Credit. (Please attach scanned copy of ANNEXURE 1 LC & ANNEXURE 2 LC duly filled up by the firm if opted for)	No	Yes	Allowed (Optional)

**General Instructions**

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1	Submission of Documents in support of Eligibility Criteria : All documents in support of fulfillment of eligibility criteria with respect to completion of 'Similar Nature of work for technical Eligibility criteria 'and 'Total Contract value for Financial Eligibility Criteria' should be uploaded online in the website with scanned copy at the time of tender bidding with the details. No post - tender communication , in any form will be made or entertained , after opening of tenders in this regard .Railways may however call for the originals of the credentials for verification or any clarifications/Confirmations on the contents of the documents submitted . Eligibility of tenderers shall be decided solely on the basis of the documents submitted alongwith the tender offers and any subsequent document whatsoever submitted in this connection would not be given any cognizance on any account.	No	No	Not Allowed
2	The Contractor/(firm) must go through the entire tender document along with all attachment for any kind of guidance regarding execution of the job & payment there after. In case any thing is left out or not clear then they should consult the General Condition of Contract & standard Specification as attached (uploaded ).The bidders are also advised to preserve a copy of entire tender document/ (Set) for their convenience.	No	No	Not Allowed

**Technical-Compliances**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The description of scheduled item is indicative. Offered product must comply with RDSO (Research Designs And Standards Organisation) Specification No. RDSO/PE/SPEC/PS/0092-2008 (Rev.'0'),Amdt. 5 or latest for detail technical specification and all other clauses, terms & conditions for design, supply, installation, connection, testing and commissioning of Grid Connected Solar Generating system. In this connection a declaration must be submitted alongwith offer. RDSO guidelines is attached herewith in Annexure named as RDSO Spec.	Yes	Yes	Allowed (Mandatory)
2	Specification of Solar Photo Voltaic ( SPV ) Module should be RDSO spec. item no. - 6.9 and Make should be MNRE approved source. Make of SPV module should be mentioned during submission of tender documents.	Yes	Yes	Allowed (Mandatory)
3	Specification of Power Conditioning Unit ( PCU ) should be as per RDSO spec. item no. - 6.12. In this connection a declaration must be submitted along with offer.	Yes	Yes	Allowed (Mandatory)
4	OEM's warranty period shall be five years for On-Grid Solar Inverter ( Power Conditioning Unit ) from the date of commissioning. In this connection a declaration must be submitted along with offer.	Yes	Yes	Allowed (Mandatory)
5	Offered make of On-Grid Solar Inverter ( Power Conditioning Unit ) should be clearly mentioned in the offer at bidding stage during online open tendering process. In case of non submission of make of On-Grid Solar Inverter (Power Conditioning Unit), the entire bid documents will summarily be rejected i.e. not accepted for evaluation of bid	Yes	Yes	Allowed (Mandatory)
6	On-Grid Solar Inverter must comply following IEC standards :- IEC 61683:1999, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 60529, IEC 62109-2:2011, IEC 62116:2014, IEC 61727:2004, IEC 61000.In this connection a declaration must be submitted along with offer.	Yes	Yes	Allowed (Mandatory)
7	Offered make of Solar Photo Voltaic (SPV) module should be clearly mentioned in the offer at bidding stage during online open tendering process. In case of non submission of make of Solar Photo Voltaic (SPV) module, the entire bid documents will summarily be rejected i.e. not accepted for evaluation of bid.	Yes	Yes	Allowed (Mandatory)

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	GCC_April-2022.pdf	General conditions of contract
2	CorrectionslipofGCC-2022.pdf	Correction slip of GCC
3	Tenderformandannexures.pdf	Tender form and annexures
4	AnnexureVIB.pdf	Turn over

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5	RDSOSpecfor10-500KWpSolarPlant.pdf	RDSO technical specification
6	Documentsverificationcertificate.pdf	Documents Verification Certificate
7	Clause3231-R2_1.pdf	Tender clause
8	TenderBookletSolar.pdf	Tender Booklet

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:** RAJNEESH KUMAR SINGH

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