

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

Tender No: EL-HWH-25-21-3214-R-1

Closing Date/Time: 21/04/2023 15:00

Sr.DEE/G/HWH acting for and on behalf of The President of India invites E-Tenders against Tender No **EL-HWH-25-21-3214-R-1** Closing Date/Time 21/04/2023 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>	Howrah Installation of 2.2 MWp on-grid (without battery backup) Solar roof-top/ shed-top Plant over Howrah Division.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Two Packet System
<b>Tender Closing Date Time</b>	21/04/2023 15:00	<b>Date Time Of Uploading Tender</b>	29/03/2023 18:40
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	100602788.00	<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>	653000.00	<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>	07/04/2023	<b>Are Joint Venture (JV) firms allowed to bid</b>	Yes
<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-Howrah - Installation of 2.2 MWp on-grid (without battery backup) Solar roof-top/ shed-top Plant over Howrah Division.</b>							100602788.00	
1		2200.00	KWp	38753.00	85256600.00	AT Par	85256600.00	
<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		1.00	Lumpsum	15346188.00	15346188.00	AT Par	15346188.00	
<b>Description:-</b> Goods & Services Tax ( at present @ 18% )								

**3. ITEM BREAKUP**

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

**Important :** All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only

**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	Defination 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

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	TECHNICAL ELIGIBILITY CRITERIA FOR JV FIRM (WORKS WITHOUT COMPOSITE COMPONENTS): The technical eligibility for the work as mentioned as above and as per para 10.1 of GCC'22, shall be satisfied by either the 'JV' in its own name & style' or 'Lead member of the JV'. Each other (non-lead) membe(s) of JV, who is/ are not satisfying the technical eligibility for the work as mentioned above and as per para 10.1 of GCC'22, shall have technical capacity of minimum 10% of the cost of work i.e., each non-lead member of JV member must have satisfactorily completed or substantially completed during the last 07 (seven) years, ending last day of month previous to the one in which tender is invited, one similar single work for a minimum of 10% of advertised value of the tender.	No	No	Allowed (Mandatory)

**Special Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	FINANCIAL CRITERIA FOR JV FIRM: The JV shall satisfy the requirement of "Financial Eligibility" mentioned in standard financial criteria and as per para 10.2 of GCC'22. The financial capacity of the lead member of JV shall not be less than 51% of the financial eligibility criteria mentioned in standard financial criteria and as per para 10.2 of GCC'22. The arithmetic sum of individual financial capacity of all the members shall be taken as JV's financial capacity to satisfy this requirement.	No	No	Allowed (Mandatory)

**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)

**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. ( <a href="#">Click here</a> to download the Format of Self Certificatio)	No	No	Allowed (Mandatory)

**5. COMPLIANCE**

<b>Important :</b> All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.
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**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**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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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
3	For JV firm: The firm must go through point no.17 of GCC'22 (copy attached in document section).	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	Documentsverificationcertificate.pdf	Documents verification certificate
3	CorrectionslipofGCC-2022.pdf	Correction slip of GCC

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4	Tenderformandannexures.pdf	Tender form and annexures
5	AnnexureVIB.pdf	Turn over
6	RDSOSpecfor10-500KWpSolarPlant.pdf	RDSO technical specification
7	Tenderclause3214.pdf	Tender Clause
8	TenderBooklet3214-R-1Solar.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:** VIKASH ANAND

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