senior divisional electrical engineer acting for and on behalf of The President of India invites E-Tenders against Tender No **EL-LM-24-25-22-RT** Closing Date/Time 13/12/2024 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 Grid connected Roof top Solar power plants for Residential building over Lumding Division.					
Bidding type	Normal Tender					
Tender Type	Open	Bidding System	Two Packet System			
Tender Closing Date Time	13/12/2024 15:00	Date Time Of Uploading Tender	22/11/2024 13:50			
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable			
Advertised Value	142485280.00	Tendering Section	TECHNICAL			
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par			
Earnest Money (Rs.)	862400.00	Validity of Offer (Days)	90			
Tender Doc. Cost (Rs.)	0.00	Period of Completion	180 Days			
Contract Type	Works	Contract Category	Expenditure			
Bidding Start Date	29/11/2024	Are Joint Venture (JV) firms allowed to bid	Yes			
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Solarization of Rooftop			

2. SCHEDULE

S.No.	ltem Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit	
Schedu	Schedule A-THE DESCRIPITION IS FURNISHED BELOW. 142485280.00								
	1	820.00	Set	166089.00	136192980.00	AT Par	136192980.00		
1	power pl PV & sol structure and othe module destinati with Rea power of This allo Operator settings, AMC/CAN hours as charge a plant it v	ant. Content ar power co for GI modu r parts as ne mounting st on. 8-Comm I-time Monito utput, energy ws for imme s can remot and respon AC and insura per instruct t site. If any would be res I be inclusive	s: 1. Sola nditionin iles. 3. Ea eded. 5. ructure. issioning bring sys y product diate det ely contr ding to fa ance. 11- cion of si other ite ponsibilit e of those	ar power cond g unit MPPT b arthing, lightin Civil works, su 6. Electrical w and installati tem : RTUs er tion, system e ection of issue ol the solar s aults without Trim branche te engineer. T ms have beer y of contracto items.	litioning device wi based (Single/ 3 p g arrestors, etc. 4 uch as sand, grave work for PCU load on are included. 9 hable real-time mo efficiency, units ge es and performand ystem, including s needing to be phy s that directly shad the work to be ex nomitted but require or to supply and p	th 3Kwp M hase wher . Connectir I, cement, d distributi 9- The roo ponitoring of enerated a ce tracking starting or vsically pre- de the sola secuted as ired for eff rovide suc	p solar power plan ono Perc half cut 9 ever applicable)2 ng wires, MCBs, cas etc., are needed to on. 7- Traveling to ftop solar should h f various paramete nd environmental Remote Control: S stopping inverters esent at the site.10 r panels during per per direction of s h items. However	Solar Panel . Mounting shingpipes, o install the o the final be enabled ers such as conditions. So that the s, adjusting D-Five year ak sunlight engineer in olar power the quoted	
2	contracto	or has to car	y of cab ry the ca	ble from plac	10 sq mm Alum	ninium una e at his ow	armoured XLPE LT n arrangement. Su	cable The	

3. ITEM BREAKUP

No item break up added

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 Financial Criteria

S.No.		Confirmation Required		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.	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.		Confirmation Required		Documents Uploading
1	The Similar nature of works for this instant tender shall be "Supply, installation, testing and commissioning of solar power plant having executed a single work of minimum 30% rating of total tendered quantity /capacity in Railway stations or Metro stations or Airports or in any office/service buildings/Hospitals of Central Govt./State Govt./PSUs of Central or state Govt."	No	No	Allowed (Mandatory)

LUMDING DIVISION-ELECTRICAL/N F RLY TENDER DOCUMENT

Tender No: EL-LM-24-25-22-RT

Closing Date/Time: 13/12/2024 15:00

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.

Tender No: EL-LM-24-25-22-RT

	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.
o	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	Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. 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. (Click here to download the Format of Self Certification)

5. COMPLIANCE

Important 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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S.No.		Confirmation Required		Documents Uploading
1	Whether the cost of earnest money deposited	No	No	Not Allowed

Commercial-Compliance

S.No.	Description	Confirmation Required		Documents Uploading
1	Migration to GST regime - Special Tender Conditions: The rates should clearly indicate the rate of applicable duties and taxes included in the prices quoted by them. Any variation in tax structure/ rate due to introduction of GST, shall be dealt with under Statutory Variation Clause. It should be ensure that bidders/tenderers are GST compliant and quoted tax structure/rates are as per GST Law.	No	No	Allowed (Mandatory)
2	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)
3	Contractor should submit the GSTIN number and same should be mentioned in the bills along with a copy of GSTIN registration certificate while submitting the bills to accounts for audit and payment, As GST is scheduled to implemented wef 01.07.2017. Without GSTN, no bill will be accepted w.e.f. 01.07.2017		No	Allowed (Mandatory)
4	From 01.07.2017 GST has been implemented but the detail guideline is still not clear. Hence, new tax structure on materials and labour will be applicable to both Railway & contractor after getting proper notification	No	No	Allowed (Mandatory)
5	Payment of Earnest Money deposit (EMD) , in respect of e- tendering,should be accepted through net banking or online payment gateway only		Yes	Allowed (Mandatory)

General Instructions

S.No.	Description	Confirmation	Remarks	Documents
		Required	Allowed	Uploading

1	The tenderers are required to observe the website to find out if any correction slips issued subsequent to uploading of the Tender . Railway reserves the right to make any additions/alterations to the tender uploaded and issue corrigendum to the same effect. In case the tenderer fails to take note of the above corrigendum, the additions and alterations entered/effected in the corrigendum shall be binding upon the tenderer and no claim what so ever will be entertained by Railway.	No	No	Not Allowed
2	No manual tenders sent by post/Fax/courier or in person shall be accepted	No	No	Not Allowed
3	No post tender correspondence shall be entertained after closing of tender even suo moto post tender letters of the tenderers shall be treated as null void.		No	Not Allowed
4	Indian Railway Standard General Condition of contract-April 2022 corrected up to date of closing of tender and the attached document are part of the tender document.		No	Not Allowed
5	For more details the instruction to tenderers and all other details available in the documents attached with tender may be referred to.		No	Not Allowed

Special Conditions

S.No.	Description	Confirmation Required		Documents Uploading
1	Maintenance: The solar power plant along with all the associated accessories shall have to be maintained healthy by the contractor/Firm at their own cost for 5 years from the date of certified successful commissioning .Final Completion Certificate(FCC) shall be issued after successful completion of 5 years maintenance period.		No	Not Allowed
2	CUF: The Contractor/Firm shall be required to meet a minimum guaranteed generation of 15% CUF (Capacity Utilization Factor). The annual CUF shall in no case be less than 15%. Minimum CUF of 15% should be maintained during the entire period of 5 years. If generation is less than 15% for any Financial year, then Liquidated Damages (LD)/penalty @ Rs. 0.25/kWh will be deducted for shortfall in energy generation as shown in the following example. This will be deducted from the PG/SD/security amount withheld by Railways. Example for deduction of Liquidated Damages (LD)/penalty: If 1000 kWp plant having 14% CUF during any financial year then penalty will be levied as under: = [(kWh generation to meet 15% CUF) - (Total kWh generated having 14% CUF)]X Rs 0.25/kWh = [$(15x365x24x1000)/100$) kWh -{ $(14x365x24x1000)/100$) kWh] X Rs. 0.25/kWh = [13,14,000 kWh-12,26,400 kWh] X Rs. 0.25/kWh = Rs. 21,900/- For above purpose, dally Solar generation has to be recorded.	No	No	Not Allowed
3	Web Based Smart Monitoring facility : The Successful Tenderer must have to install hardware & software, if any, at their own cost for a web based smart monitoring System along with commissioning of the Solar plant. By this monitoring system, Solar Power plants shall have Real time Web based Smart Monitoring facility so that all the parameters such as Solar No Generation ,CUF ,Efficiency etc can be monitored and recorded on Daily/weekly/monthly/quarterly/half-yearly/ Yearly basis to monitor the healthiness of the complete system of solar power plant during the entire five years period of maintenance and also to calculate yearly LD as mention in item (2) above.		Not Allowed	
4	Cleaning of PV module : A permanent cleaning system of Solar PV modules with water-jet sprays to be installed by the successful Tenderer along with the SPV module commissioning .The water supply and incoming pipeline to the level of the water jet unit will be made available by Railway. The water jet spray system should be maintained healthy by the successful Tenderer for the entire 5 years period of maintenance.	No	No	Not Allowed

Not Allowed
Not Allowed

LUMDING DIVISION-ELECTRICAL/N F RLY TENDER DOCUMENT

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23	On completion, the contractor shall furnish a certificate in a prescribed form with countersignature by the "licensed supervisor" of the contractor.		No	Not Allowed
24	During the period of guarantee, the contractor shall be liable for the replacement at site of any parts which may be found defective, whether arising from faulty design, materials, workmanship or negligence in any manner on the part of the contractor provided always that such defective parts as are not repairable at site are promptly returned to the contractor if so required by him at his (contractor's) own expenses.	No	No	Not Allowed
25	The repaired or renewed parts shall be delivered and erected on site free of charge to the purchaser.	No	No	Not Allowed
26	The contractor shall provide maintenance service to keep the service covered under this contract in good and efficient working order. The maintenance consists of periodic inspection, preventive and corrective maintenance and includes attending of break down,calls with in specified period, carrying out necessary repairs and providing and fitting of replacement parts as required including all consumables. Maintenance period in this work is defined as 60 months period from the date of commercial operation or from the date of issue of provisional acceptance certificate of completed work till then the complete SD (Security Deposit) will be kept with Railways.	No	No	Not Allowed
27 The successful tenderer shall depute a competent Engineer (authorized) with maintenance organization. The maintenance engineer should visit at least once in a quarter to ensure the system is fully functional. A service register for preventive maintenance schedule and break down calls shall be maintained by contractor and jointly signed by the Railway representative.		No	Not Allowed	
28	If the contractor fails to provide maintenance services as per contract condition or any system is not set right or alternative system not provided within 24 hrs from the date of failure reported to contractor. The penalty as demand fit shall be imposed as per penalty clause. The decision of Sr.DEE/LMG. In this regard shall be final and bound on the part of the contractor.	No	No	Not Allowed
29	The contractor has to arrange all tools, tackles, manpower and testing instruments required for routine check up and maintenance as well as for attending the breakdown at own cost. No Railway's transport or any sort of travel facilities will be provided by Railways for meeting the requirements of maintenance. No excuse on account of delay in movement by road or rail is accepted.	No	No	Not Allowed
30	The manufacturer's test certificate, proof of manufacture by approved manufacturer/brand, proof of placement of order by the contractor on approved manufacturer, and certificate of conformity of product to relevant IS specification of manufacturer shall be supplied by the contractor in original.	No	No	Not Allowed
31	All electrical works shall be carried out in accordance with the provision of Indian Electricity Act 1910 and Indian Electricity Rules, 1956, amended up to date. The work shall also conform to relevant Indian Standard Codes of Practice.	No	No	Not Allowed
32	Item which are covered under MNRE approved list to be procured as per MNRE list.	No	No	Not Allowed
33	All the released material/scraps etc. so taken out from the existing working site will have to be returned through proper challan to concerned SSE/P/ICs at contractor's cost.		No	Not Allowed
34	The tenderer shall visit the site before filling of tender forms, so as to have a clear idea of location, infringements and other topography of location in respect of quantum of work involved and then only he shall quote. It shall be presumed that participants in this tender have seen the site before quoting their offer.	No	No	Not Allowed

LUMDING DIVISION-ELECTRICAL/N F RLY TENDER DOCUMENT

35	Detail drawing , design & specification etc. must be got approved from competent authority before fabrication, supply, erection, commission under this work head. Other foundation drawing, earth drawing, structural drawing, specifications or any required drawing not mentioned in Scope of the Work must be got approved before inspection & supply of items.		No	Not Allowed
36	WARRANTY: The Contractor shall be responsible for any damage to equipments provided in the equipments, due to defective design, materials and workmanship for a period of 60 months from the date of handing over the equipments after successful commissioning. The Contractor shall attend to the complaint (including replacement of defective components, if required) within 12 hours from the time of receipt of complaint at his own cost.	No	No	Not Allowed
37	Any item of the work of minor nature whether specifically mentioned in the scope of work or not but necessary for the completion of the work as per site requirement and for proper functioning or commissioning of the equipment will be supplied by the contractor free of cost.	No	No	Not Allowed
38	The decision of Rly. In case of any dispute regarding unsatisfactory working/services or termination of the contract would be final.	No	No	Not Allowed
39	The tenderer must fulfill all the legal and statutory requirements prescribed by the central or state govt. from time to time applicable to the contract.		No	Not Allowed
40	The contractor shall supply the material duly inspected by Railway representative or agency as nominated by Sr.DEE/LMG for certain high value / cost items as per special condition of contract. The contractor therefore shall deliver the material with all material testing / Inspection certificates and getting dispatch clearance accordingly.	No	No	Not Allowed
41	All the inspection and testing charges shall be borne by the contractor. The contractor shall submit details of the material being offered before actual delivery so that the inspection can be arranged at manufactures premises/ consignee premises.	No	No	Not Allowed
42	Any typographical error shall not be construed to be befitting of the Contractor. In such cases the interpretation and decision of Sr. DEE/LMG shall be final and binding up on the tenderer.		No	Not Allowed
43	Due care has been taken while framing technical specification, however if any deviation from prevailing standard norms is noticed at the time of execution the same shall be rectified and made good by the contractor. Contractor shall also bring such things if ever noticed by them to the knowledge of this office and to field Engineer.	No	No	Not Allowed

Technical-Compliances

S.No.		Confirmation Required		Documents Uploading
1	Ifor the respective category of works issued by Government/Yes INo		Allowed (Mandatory)	
-	The Tenderers must have their local service center set-up at Guwahati, Agartala or Silchar along with trained technicians for attending service requests of Solar power plants fully equipped with maintenance spares, tools & instruments required for prompt attention of the service requests received from Railway Authorities.	No	No	Allowed (Optional)

Undertakings

S	5.No.	Description	Confirmation	Remarks	Documents
			Required	Allowed	Uploading

	I/We visited the works site and I/We am/are aware of the site condition.	-	No	Not Allowed
2	I/We have read the various condition attached/referred to in this tender document and agree to abide by the said condition	No	No	Not Allowed
3	I /we also hereby agree to abide by the Indian Railways Standard General Condition of Contract-April 2022 with all correction slip up to date of closing of tender and to carry out the work according to the special conditions of contract and specification of materials and works as laid down by Railway in the attached special condition or specification, Schedule of rates with all correction slips up to date of closing of tender for the instant contract.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	EL-LM-24-25-22-rt.pdf	Tender Doc

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: PRIYAWART PASWAN

Designation : Sr.DEE/lumding