Tender No: V-EG-OT-36-2024-25 **Closing Date/Time:** 27/02/2025 15:00

Sr.Divisional Electrical Engineer, General acting for and on behalf of The President of India invites E-Tenders against Tender No **V-EG-OT-36-2024-25** Closing Date/Time 27/02/2025 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

	TVC Division - Provision of	on-grid roof top solar plants of var	ious capacities at			
Name of Work	various stations/sections in the division					
Bidding type	Normal Tender					
Tender Type	Open	Bidding System	Single Packet System			
Tender Closing Date Time	27/02/2025 15:00	Date Time Of Uploading Tender	05/02/2025 16:40			
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable			
Advertised Value	50174264.00	Tendering Section	SRDEEGTVC			
Bidding Style	Single Rate for Each Schedule Item	Bidding Unit				
Earnest Money (Rs.)	400900.00	Validity of Offer (Days)	60			
Tender Doc. Cost (Rs.)	0.00	Period of Completion	270 Days			
Contract Type	Works - General	Contract Category	Expenditure			
Bidding Start Date	13/02/2025					
Are JV allowed to bid	No	Number of JV Member Allowed	0			
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0			
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
Schedu	ıle () I-Ele	ctrical arra	ngements				50174264.00	
	1	9.00	Set	245000.00	2205000.00	AT Par	2205000.00	Rs.
1	Description:- Design, supply, installation, testing and commissioning of three phase grid connect solar plants of 5KWp capacity with mono PERC half cut PV modules complete with suitable mount structures for fixing the PV modules on roof top with stainless steel nuts and bolts, grid-tie inverte 5KVA capacity with all accessories, bidirectional meter for net metering, grid synchronization, DC, cabling, surge protection, lightning arrester and earthing arrangements as per MNRE specification latest complete with all accessories							
	2	4.00	Set	490000.00	1960000.00	AT Par	1960000.00	Rs.
2	solar pla structure 10KVA c cabling,	nts of 10KW es for fixing apacity with surge prote	Ip capacity the PV mod all accesso	with mono PER ules on roof to ries, bidirection ing arrester ar	C half cut PV mod p with stainless s nal meter for net	dules comp teel nuts a metering,	three phase grid plete with suitable and bolts, grid-tie grid synchronizat s per MNRE spec	e mounting inverter of tion, DC/AC
	3	7.00	Set	729000.00	5103000.00	AT Par	5103000.00	Rs.
Description:- Design, supply, installation, testing and commissioning of three phase grid conresolar plants of 15KWp capacity with mono PERC half cut PV modules complete with suitable moustructures for fixing the PV modules on roof top with stainless steel nuts and bolts, grid-tie inversible. StVA capacity with all accessories, bidirectional meter for net metering, grid synchronization, I cabling, surge protection, lightning arrester and earthing arrangements as per MNRE specificat latest complete with all accessories					e mounting inverter of ion, DC/AC			
	4	9.00	Set	974000.00	8766000.00	AT Par	8766000.00	Rs.
4	solar pla structure 20KVA c cabling,	nts of 20KW es for fixing apacity with surge prote	Ip capacity the PV moderall accessory	with mono PER ules on roof to ries, bidirectior iing arrester ar	C half cut PV mod p with stainless s nal meter for net	dules comp teel nuts a metering,	three phase grid blete with suitable and bolts, grid-tie grid synchronizat s per MNRE spec	e mounting inverter of ion, DC/AC

Page 1 of 7 Run Date/Time: 05/02/2025 16:41:28

Tender No: V-EG-OT-36-2024-25 **Closing Date/Time:** 27/02/2025 15:00

	5 2.00 Set 1200000.00 2400000.00 AT Par 2400000.00 Rs.
5	Description:- Design, supply, installation, testing and commissioning of three phase grid connected solar plants of 25KWp capacity with mono PERC half cut PV modules complete with suitable mounting structures for fixing the PV modules on roof top with stainless steel nuts and bolts, grid-tie inverter of 25KVA capacity with all accessories, bidirectional meter for net metering, grid synchronization, DC/AC cabling, surge protection, lightning arrester and earthing arrangements as per MNRE specification or latest complete with all accessories
6	6 1.00 Set 1455555.00 1455555.00 AT Par 1455555.00 Rs. Description:- Design, supply, installation, testing and commissioning of three phase grid connected solar plants of 30KWp capacity with mono PERC half cut PV modules complete with suitable mounting structures for fixing the PV modules on roof top with stainless steel nuts and bolts, grid-tie inverter of 30KVA capacity with all accessories, bidirectional meter for net metering, grid synchronization, DC/AC cabling, surge protection, lightning arrester and earthing arrangements as per MNRE specification or latest complete with all accessories
7	Pescription:- Design, supply, installation, testing and commissioning of three phase grid connected solar plants of 50KWp capacity with mono PERC half cut PV modules complete with suitable mounting structures for fixing the PV modules on roof top with stainless steel nuts and bolts, grid-tie inverter of 50KVA capacity with all accessories, bidirectional meter for net metering, grid synchronization, DC/AC cabling, surge protection, lightning arrester and earthing arrangements as per MNRE specification or latest complete with all accessories
8	8 29.00 Numbers 10951.00 317579.00 AT Par 317579.00 Rs. Description:- Supply and fixing of powder coated CRCA sheet steel enclosure suitable for 63A, 25kA 4 Pole MCCB on the wall including supply & fixing of 1 No. of 63A, 25kA 4 Pole MCCB in the enclosure and supply connection
9	9 2.00 Numbers 10951.00 21902.00 AT Par 21902.00 Rs. Description:- Supply and fixing of powder coated CRCA sheet steel enclosure suitable for 100A, 25kA 4 Pole MCCB on the wall including supply & fixing of 1 No. of 100A, 25kA 4 Pole MCCB in the enclosure and supply connection
10	10 1.00 Numbers 12609.00 12609.00 AT Par 12609.00 Rs. Description:- Supply and fixing of powder coated CRCA sheet steel enclosure suitable for 125A, 25kA 4 Pole MCCB on the wall including supply & fixing of 1 No. of 125A, 25kA 4 Pole MCCB in the enclosure and supply connection
11	11 9.00 Numbers 25277.00 227493.00 AT Par 227493.00 Rs. Description:- Supply and fixing of powder coated CRCA sheet steel enclosure suitable for 250A, 25kA 4 Pole MCCB on the wall including supply & fixing of 1 No. of 250A, 25kA 4 Pole MCCB in the enclosure and supply connection
12	12 1450.00 Metre 74.00 107300.00 AT Par 107300.00 Rs. Description:- Transportation & clamping of single run of LTUG cable of size 4 core 50 sq.mm on the building wall/PF Shelter/FOB with suitable size GI fixing hardware and stainless steel nuts/bolts (Cable will be supplied free departmentally at TVC. Transportation shall be arranged by Rly. Loading/unloading shall be under contractor's scope)
13	13 100.00 Metre 80.00 8000.00 AT Par 8000.00 Rs. Description:- Transportation & clamping of single run of LTUG cable of size 4 core 95 sq.mm on the building wall/PF Shelter/FOB with suitable size GI fixing hardware and stainless steel nuts/bolts (Cable will be supplied free departmentally at TVC. Transportation shall be arranged by Rly. Loading/unloading shall be under contractor's scope)
14	14 50.00 Metre 90.00 4500.00 AT Par 4500.00 Rs. Description:- Transportation & clamping of single run of LTUG cable of size 4 core 120 sq.mm on the building wall/PF Shelter/FOB with suitable size GI fixing hardware and stainless steel nuts/bolts (Cable will be supplied free departmentally at TVC. Transportation shall be arranged by Rly. Loading/unloading shall be under contractor's scope)
15	15 450.00 Metre 110.00 49500.00 AT Par 49500.00 Rs. Description:- Transportation & clamping of single run of LTUG cable of size 4 core 185 sq.mm on the building wall/PF Shelter/FOB with suitable size GI fixing hardware and stainless steel nuts/bolts (Cable will be supplied free departmentally at TVC. Transportation shall be arranged by Rly. Loading/unloading shall be under contractor's scope)
16	16 2630.00 cum 474.00 1246620.00 AT Par 1246620.00 Rs. Description:- Excavation of cable trench 0.3 m wide x 1.0 m deep in ordinary soil, back filling of the excavated cable trench (after laying cable), ramming & consolidation properly
17	17 10.00 cum 1959.00 19590.00 AT Par 19590.00 Rs. Description:- Excavation of cable trench 0.1 m deep in tarred/concreted surface, back filling of the excavated cable trench (after laying cable), ramming & consolidation properly.
	18 10.00 cum 7766.00 77660.00 AT Par 77660.00 Rs.

Page 2 of 7 Run Date/Time: 05/02/2025 16:41:28

Tender No: V-EG-OT-36-2024-25 **Closing Date/Time:** 27/02/2025 15:00

18		Description:- Concreting the top portion of the cable trench excavated in tarred/concreted surface to a depth of 10.0 cm, using 1:2:4 mix with M sand						
	19	15.00	cum	1218.00	18270.00	AT Par	18270.00	Rs.
19	removin pipe), ra	g stone balla amming & co oe carried ou	ast, back filli Insolidation p	ng of the excavoroperly and pr	vated cable tre oviding back th	nch (After ne remove	side of railway tr laying of cable v d stone ballasts uld be exercised	with HDPE (The work
	20	6550.00	Metre	368.00	2410400.00	AT Par	2410400.00	Rs.
20	PE 63) a core 50 aluminu arrange	s per IS 498 sqmm/4 cor m sockets (d by Rly. Loa	4/1995 in the e 95 sqmm o Cable will b	e excavated cat cable and termine supplied fre ng shall be unde	ple trench included nation at eithe e departmenta er contractor's s	ding transprending transprends duler the deciding transpect of the deciding transpe	up to 4 PN (Mate poration and thre y crimped & prov C. Transportation	ading of 4 vided with
	21	2300.00	Metre	498.00	1145400.00	AT Par	1145400.00	Rs.
21	PE 63) a 120 sqr	s per IS 498	4/1995 in the	e excavated cal	ole trench, Build	ding wall e	g up to 4 PN (Mate etc. and threading grown crimped & prov	of 4 core
	22	52.00	Numbers	327.00	17004.00	AT Par	17004.00	Rs.
22				of cable gland s et duly crimped		cable of	size 4 core x 50 s	sqmm and
	23	6.00	Numbers	406.00	2436.00	AT Par	2436.00	Rs.
23		Description:- Supply and fixing of brass cable glands suitable for cables of 4 core 95 sqmm and termination using aluminium socket duly crimped						
	24	10.00	Numbers	404.00	4040.00	AT Par	4040.00	Rs.
24				of cable glands socket duly crin		UG cable	of size 4 core x 1	L20 sqmm
	25	6.00	Numbers	520.00	3120.00	AT Par	3120.00	Rs.
25				of cable glands socket duly crin		UG cable	of size 4 core x 1	L85 sqmm
	26	42.00	Numbers	521.00	21882.00	AT Par	21882.00	Rs.
26	grouting	tion:- Suppl with cemen				r marked	with " LT CABLE"	including
	27	16.00	Numbers	12754.00	204064.00	AT Par	204064.00	Rs.
27	25X3mn	n, 500mm loi	ng copper bus	s bars including	construction of	PCC plint		4 Nos. of
	28		Numbers		111208.00		111208.00	Rs.
28		Description:- Supply, erection testing & commissioning of cable looping box fitted with 4 Nos. of 25X6mm, 500mm long copper bus bars including construction of PCC plinth						
	29	5.00	Numbers	16188.00	80940.00	AT Par	80940.00	Rs.
29				esting & comm s bars including			g box fitted with n	4 Nos. of
	30	36.00	Numbers	5922.00	213192.00	AT Par	213192.00	Rs.
Description:- Supply, erection, testing and commissioning of earthing arrangement connections by 2 runs of 6 SWG GI wire as per Drg. No.V/E.G/362					ents and			

3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

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

Page 3 of 7 Run Date/Time: 05/02/2025 16:41:28

Tender No: V-EG-OT-36-2024-25 **Closing Date/Time:** 27/02/2025 15:00

Special Technical Criteria

S.No.	Description	Confirmation		
1	Technical Eligibility criteria i) 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: (1) Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (2) Two similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (3) One similar work costing not less than the amount equal to 60% of advertised value of the tender. Note: Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components. Single similar work is defined as "Successful completion of works of supply, installation, testing and commis-sioning of Solar Photo Voltaic power generating systems of at least 20% of the tendered capacity of the solar plant to Central/State Government or Public Sector Undertakings (PSUs) or 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 at least 5 years prior to opening of tender "Work experience certificate from private individual shall not be considered. However, in addition to 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 certificates for all payments rec	No	No	Allowed (Mandatory)

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

S.No.	Description
1	l/we the tenderer (s) am/are signing this document after carefully reading the contents.
1/	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.

Page 4 of 7 Run Date/Time: 05/02/2025 16:41:28

Tender No: V-EG-OT-36-2024-25 **Closing Date/Time:** 27/02/2025 15:00

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	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

Commercial-Compliance

S.No.	Description	Confirmation Required		Documents Uploading
1	All the tenderers/Contractors have to deposit full earnest money and tender document cost as stipulated for the tender, through online modes as permitted in IREPS application through multiple banks net banking, debit and credit cards. All documents related to Partnership deed/Joint venture/ Consortium/ MOU, duly signed by the notary public, should be uploaded failing which offer will be summarily rejected.	No	No	Not Allowed
2	I/We also hereby agree to abide by the Indian Railways Standard General Conditions Of Contract, with all correction slips up-to-date and to carry out the work according to the Special Conditions of Contract and Specifications of materials and works as laid down by Railway in the annexed Special Conditions of contract , General Instructions and conditions , explanatory notes of schedule of work and Annexures.	Yes	No	Not Allowed
3	I/We hereby Confirm that the rates, rebates and/or other financial terms, if any, quoted by us in the relevant fields of the Financial Bid page will only be the ruling terms for deciding the inter-se ranking, and any such condition having financial repercussions, if quoted by us anywhere else including attached documents shall not be considered for deciding inter-se ranking	Yes	No	Not Allowed
4	However, Railways shall have the right to incorporate any such condition quoted by us, in the contract, at their discretion, if contract is placed on us.		No	Not Allowed

Page 5 of 7 Run Date/Time: 05/02/2025 16:41:28

Tender No: V-EG-OT-36-2024-25 **Closing Date/Time:** 27/02/2025 15:00

5	Manual submission of EMD and cost of tender form cannot be entertained/Considered and hence no need of uploading the scanned copy of financial instruments		No	Not Allowed
6	Whether GST registration available or not?	Yes	IYAS	Allowed (Optional)
7	The contractor has to submit the EPF Code as per the EPFO Act and also has to submit a statement in this regard before signing the contract agreement.		ΙΥΔς	Allowed (Optional)
8	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	ΙΥΔς	Allowed (Optional)

General Instructions

S.No.	Description	Confirmation Required		Documents Uploading
1	The bidder has to fill in his quoted rate against each item in the Bid rate / Unit rate column. The bidding rate is Rs./ unit, the bidder has to quote his rate for the individual item only	No	No	Not Allowed
2	Subsequent to the enforcement of GST Act, the modifications to Para-(a), clause 6, part I of Indian Railways Standard General condition of contract, July 2014 vide Railway Board letter No: 2017/CE/CT/4/GST(a) of 23/6/2017 is as detailed below: Clause No.6 - Care in submission of Tenders: (a)(i) 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. (ii) Tenderers will examine the various provisions of The Central Goods and Services Tax Act, 2017 (IGST)/Union Territory Goods and Services Tax Act, 2017 (IGST)/Union Territory Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/respective state's State Goods and Services Tax Act, 2017 (UTGST)/SGST Act shall submit GSTIN along with other details required under CGST/IGST/UTGST/SGST Act to Railway immediately after the award of contract, without which no payment shall be release to the contractor. The contractor shall be responsible for deposit	No	No	Not Allowed

Special Conditions

	•			Documents Uploading
1	GST-ACT-2017: The Tendered work/service is subject to the provisions of GST Act and Rules applicable from time to time.	No	No	Not Allowed
	Tenderers are advised to refer the latest revision in Wages,PF,ESI,Bonus etc., as available in official website of Ministry of Labour, Govt. of India, before quoting the rates.		No	Not Allowed

Technical-Compliances

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

Page 6 of 7 Run Date/Time: 05/02/2025 16:41:28

Tender No: V-EG-OT-36-2024-25 **Closing Date/Time:** 27/02/2025 15:00

1	In the e-tendering process,it is mandatory that every tenderer/contractor/firm registered with www.ireps.gov.in to	lo No	Allowed
	submit his bank details ie. Name of the Bank along with Bank branch code, Account Number, IFSC code and PAN number		(Mandatory)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	EarthingLT.pdf	Earthing under Sch Item 30
2	Tenderdocument_1.pdf	Tender document

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: RENJITH R

Designation: Sr.DEE/G

Page 7 of 7 Run Date/Time: 05/02/2025 16:41:28