

**THIRUVANANTHAPURAM DIVISION-ELECTRICAL/SOUTHERN RLY  
TENDER DOCUMENT**

Tender No: V-EG-OT-10-2021-2022\_SN4

Closing Date/Time: 13/01/2022 14:00

Sr.Divisional Electrical Engineer, General acting for and on behalf of The President of India invites E-Tenders against Tender No V-EG-OT-10-2021-2022\_SN4 Closing Date/Time 13/01/2022 14:00 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.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

**1. NIT HEADER**

<b>Name of Work</b>	Thrissur: Solar powered AC plants in running rooms		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	13/01/2022 14:00	<b>Date Time Of Uploading Tender</b>	22/12/2021 15:35
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	1101775.00	<b>Tendering Section</b>	WORKS
<b>Bidding Style</b>	Single Rate for Each Schedule Item	<b>Bidding Unit</b>	
<b>Earnest Money /Bid Security (Rs.)</b>	0.00	<b>Validity of Offer ( Days)</b>	45
<b>Obtain Bid Security Declaration in lieu of Bid Security</b>	Yes		
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	120 Days
<b>Contract Type</b>	Works	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	30/12/2021	<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 I-Solar AC</b>							1101775.00	
1	01	2.00	Set	473000.00	946000.00	AT Par	946000.00	Rs.
	<b>Description:-</b> Supply, erection, testing and commissioning of Solar powered stand-alone Air-conditioner complete with Solar Panels, Back-up batteries etc to the following requirements a.Inverter type, 5 star rated, split-air-conditioner of 1.5 TR capacity complete with indoor cooling unit, out-door condensing unit with copper coils, standard length copper refrigerant piping, control & power cable, remote etc complete (Acceptable makes - Blue star/Voltas/Mitsubishi/Panasonic/Godrej/ Usha) - 1No- Warranty 2 Years b.Solar Photo Voltaic panel of 2500 Wp of poly crystalline type, Solar Inverter, Charge controller, as per MNRE specification complete AC/DC Power controls, Cables, mounting structure etc -1 Set- Warranty 5 years & 25 years warranty for Panels c.Solar tubular battery of capacity 2x150 AH, 4 x12 Volts (14400 VAH) in polypropylene container, complete with battery cable, stand etc (Acceptable make of Batteries -TATA/Exide/Amaroan/HBL/Amar Raja) - 1 set - with 5 year replacement warranty							
2	02	2.00	Numbers	1200.00	2400.00	AT Par	2400.00	Rs.
	<b>Description:-</b> Supply & fixing/concealing of MCB protected socket in sheet steel enclosure, duly fitted with 1 No 25 A SP MCB & metal clad plug socket.							
3	03	30.00	Metre	220.00	6600.00	AT Par	6600.00	Rs.
	<b>Description:-</b> Supply & wiring from DB to the MCB protected socket by means 2 runs of 4.0 sq.mm single core PVC insulated copper cable & 1 run of 14 SWG tinned copper wire through 20 mm oval conduit with fittings							
4	04	1.00	Numbers	7500.00	7500.00	AT Par	7500.00	Rs.
	<b>Description:-</b> Supply, erection, testing and commissioning of 3 phase, 4 way IP 43 protected, CRCA sheet manufactured, powder coated MCB distribution board fitted with 1 No 63 A Four Pole Isolator as incomer and 6 Nos 32 A SP MCBs, 6 Nos 20 A SP MCBs as out going, complete with 100 A capacity insulated copper bus bars for phase and neutral, earth bars, shrouds, cement spill protector, color coded inter-connecting wire sets, cable ties, cable end box etc							
5	05	1.00	Numbers	3750.00	3750.00	AT Par	3750.00	Rs.
	<b>Description:-</b> Supply, erection, testing and commissioning of MCB distribution board Single phase, 8 way glazed door IP 43 protected, sheet steel enclosure, powder coated fitted with suitably rated insulated copper bus bars for phase and neutral, earth bars, shrouds, cement spill protector, color coded inter-connecting wire sets, cable ties etc in a concealed/open manner fitted with 1 No 32 A DP MCB as incomer and 6 Nos 10 -20 A SP MCBs as outgoing.							

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6	06	2.00	Numbers	1200.00	2400.00	AT Par	2400.00	Rs.
	<b>Description:-</b> Manufacture, Supply & provision of bracket/stand for erection of outdoor condenser unit							
7	07	2.00	Numbers	4000.00	8000.00	AT Par	8000.00	Rs.
	<b>Description:-</b> Supply & fixing of sleek, electronic Voltage stabilizer of capacity 5.0 KVA and suitable for operation on 180 - 230 V , 50 HZ AC supply							
8	08	6.00	Numbers	250.00	1500.00	AT Par	1500.00	Rs.
	<b>Description:-</b> Fixing of remote operated BLDC fan 900 mm sweep complete including extension of supply connection by 3 core X 1.0 sq.mm PVC insulated copper cable (Fan will be supplied by Railways)							
9	09	42.00	Point	530.00	22260.00	AT Par	22260.00	Rs.
	<b>Description:-</b> Supply & wiring to light points by means of 2 runs of 1.5 sq.mm PVC insulated copper cable drawn through PVC conduit mentioned below							
10	010	6.00	Point	600.00	3600.00	AT Par	3600.00	Rs.
	<b>Description:-</b> Supply & wiring to fan points by means of 2 runs of 1.5 sq.mm PVC insulated copper cable & 1 run of 14 SWG tinned copper wire drawn through PVC conduit mentioned below							
11	011	12.00	Numbers	1000.00	12000.00	AT Par	12000.00	Rs.
	<b>Description:-</b> Supply and fixing of recess mounting type integral LED down lighter (Round ) luminaire 15-16 watts complete with driver assembly, powder coated die-cast aluminium housing, diffuser etc and supply connection by 3 core x 1.0 sq.mm PVC insulated copper cable							
12	012	2.00	Numbers	300.00	600.00	AT Par	600.00	Rs.
	<b>Description:-</b> Fixing of heavy duty exhaust fan including supply connection by 3 core x 1.5 sq.mm PVC insulated copper cable (Exhaust fan will be supplied by Railways)							
13	013	4.00	Numbers	200.00	800.00	AT Par	800.00	Rs.
	<b>Description:-</b> Fixing of LED battern, wall mounting, tube light and supply connection by 2 core x 1/0.75 sq.mm PVC insulated copper cable (LED Fitting with tube will be supplied by Railways)							
14	014	6.00	Numbers	900.00	5400.00	AT Par	5400.00	Rs.
	<b>Description:-</b> Supply & concealing of 12 Module modular box with front plate							
15	015	4.00	Numbers	400.00	1600.00	AT Par	1600.00	Rs.
	<b>Description:-</b> Supply & concealing of 4 Module modular box with front plate							
16	016	4.00	Numbers	575.00	2300.00	AT Par	2300.00	Rs.
	<b>Description:-</b> Supply & concealing of 8 Module modular box with front plate							
17	017	60.00	Numbers	120.00	7200.00	AT Par	7200.00	Rs.
	<b>Description:-</b> Supply & fixing of one module 5/6 A modular switch in the modular box (One way)							
18	018	16.00	Numbers	190.00	3040.00	AT Par	3040.00	Rs.
	<b>Description:-</b> Supply & fixing of two module 5/6 A modular plug socket in the modular box							
19	019	4.00	Numbers	350.00	1400.00	AT Par	1400.00	Rs.
	<b>Description:-</b> Supply & fixing of two module 15/16 A modular plug socket in the modular box							
20	020	6.00	Numbers	250.00	1500.00	AT Par	1500.00	Rs.
	<b>Description:-</b> Supply & fixing of one module 20 A modular switch with indicator in the modular box							
21	021	50.00	Metre	90.00	4500.00	AT Par	4500.00	Rs.
	<b>Description:-</b> Supply & fixing/Concealing of 25 mm dia 2.0 mm thick PVC Pipe complete with accessories such as bend, T, elbow etc							
22	022	150.00	Metre	70.00	10500.00	AT Par	10500.00	Rs.
	<b>Description:-</b> Supply & fixing/concealing of PVC pipe 20 mm dia x 1.4 mm thick complete with bend, Ts, junction boxes etc (For point wiring)							
23	023	100.00	Metre	80.00	8000.00	AT Par	8000.00	Rs.
	<b>Description:-</b> Supply & drawl of 2 runs of 2.5 sq.mm PVC insulated copper cable through the PVC Pipe under item No.21 and termination on either ends							
24	024	125.00	Metre	35.00	4375.00	AT Par	4375.00	Rs.
	<b>Description:-</b> Supply & drawl of 14 SWG tinned copper wire through the PVC Pipe under item No. 21 &22 including termination							
25	025	10.00	Numbers	45.00	450.00	AT Par	450.00	Rs.
	<b>Description:-</b> Supply & fixing of one module modular blanking plate in the modular box							
26	026	4.00	Numbers	1800.00	7200.00	AT Par	7200.00	Rs.
	<b>Description:-</b> Supply & fixing of 5-6 watts LED bulk head luminaire including supply connection							
	027	2.00	Numbers	1900.00	3800.00	AT Par	3800.00	Rs.

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27	<b>Description:-</b> Supply and fixing of aesthetically designed linear LED mirror light of 6-8 watts (300 mm size ) with diffuser including supply connection							
	028	6.00	Numbers	1500.00	9000.00	AT Par	9000.00	Rs.
28	<b>Description:-</b> Supply & fixing of LED reading lamp 4 -6 watts complete with driver unit and supply connection by 3 core x 0.5 sq.mm PVC insulated copper cable							
	029	6.00	Numbers	350.00	2100.00	AT Par	2100.00	Rs.
29	<b>Description:-</b> Supply and fixing of 2-3 watts LED night lamp including supply connection by 3 core PVC insulate copper cable							
	030	2.00	Numbers	6000.00	12000.00	AT Par	12000.00	Rs.
30	<b>Description:-</b> Provision of earthing arrangements as per drawing No.V/E.G/362 including connection by 2 runs of 6 SWG G.I wire ( Earthing chamber shall be in flush with PF/surrounding surface duly covered with suitable size concrete slab with opening handle)							

**3. ITEM BREAKUP**

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

**5. COMPLIANCE**

**Commercial-Compliance**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	This tender is not having bid security/EMD and in lieu of the same the tenderer shall submit bid security declaration as mentioned in Annexure. This declaration is mandatory, without which the tender is treated as invalid.	Yes	Yes	Allowed (Mandatory)
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	No	Not Allowed

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5	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 (CGST)/ Integrated 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 (SGST) also, as notified by Central/State Govt & as amended from time to time and applicable taxes before bidding. Tenderers will ensure that full benefit of Input Tax Credit (ITC) likely to be availed by them is duly considered while quoting rates. iii) The successful tenderer who is liable to be registered under CGST/IGST/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 deposition of applicable to the concerned authority. iv) In case the successful tenderer not able to be registered under CGST/IGST/UTGST/SGST Act, the railway shall deduct the applicable GST from his/their bills under reverse charge mechanism (RCM) and deposit the same to the concerned authority. The contractor is liable to pay the taxes as stipulated in the GST Act and Rules and also should furnish the details of GST to deduct from the contractor's bill.	No	No	Allowed (Mandatory)
6	Whether GST registration available or not?	Yes	Yes	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.	Yes	Yes	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	Yes	Allowed (Optional)

**General Instructions**

S.No.	Description	Confirmation Required	Remarks Allowed	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

**Special Conditions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	No eligibility criteria is required for works costing less than 50lakhs	No	No	Not Allowed
2	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	No	Not Allowed

**Technical-Compliances**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	In the e-tendering process,it is mandatory that every tenderer/contractor/firm registered with www.ireps.gov.in to submit his bank details ie. Name of the Bank along with Bank branch code, Account Number, IFSC code and PAN number	No	No	Allowed (Mandatory)
2	The bidder has to quote the rates inclusive of GST.	Yes	Yes	Not Allowed

**6. Documents attached with tender**

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<b>S.No.</b>	<b>Document Name</b>	<b>Document Description</b>
1	SpecialConditions.pdf	Specialcondition
2	TCRsolarACtermsandconditions.pdf	Temsandcondition
3	TechspecforOff-gridplant.pdf	Offgridplant
4	LEDSpecification.pdf	LEDspecn
5	AppdmakeofSPV.pdf	AppdmakeofSPV
6	Earthing.pdf	Earthing
7	AppdmakeofInverters_compressed1.pdf	Appdmakeofinverters
8	Formatforaffidavit.pdf	Affidavit
9	Annexure-II.pdf	Bidsecurity
10	Instruction.pdf	Instruction
11	LetterofCredit.pdf	Letter of Credit

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