

**BIKANER DIVISION-ELECTRICAL/NORTH WESTERN RLY  
TENDER DOCUMENT**

Tender No: 39-Ele-BKN-E-TENDER-21-22

Closing Date/Time: 02/03/2022 15:00

Sr.DEE acting for and on behalf of The President of India invites E-Tenders against Tender No **39-Ele-BKN-E-TENDER-21-22** Closing Date/Time 02/03/2022 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.

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>	Provision of 10 kWp Solar power plant with battery backup at 05 stations over Bikaner Division		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	02/03/2022 15:00	<b>Date Time Of Uploading Tender</b>	07/02/2022 22:38
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	4525862.30	<b>Tendering Section</b>	TECHNICAL
<b>Bidding Style</b>	Single Rate for Tender	<b>Bidding Unit</b>	Above/Below/Par
<b>Earnest Money (Rs.)</b>	90500.00	<b>Validity of Offer ( Days)</b>	45
<b>Tender Doc. Cost (Rs.)</b>	0.00	<b>Period of Completion</b>	4 Months
<b>Contract Type</b>	Works	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	16/02/2022	<b>Are Joint Venture (JV) firms allowed to bid</b>	No
<b>Ranking Order For Bids</b>	Lowest to Highest	<b>Expenditure Type</b>	Deposit Work

**2. SCHEDULE**

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule A-Provision of 10 kWp Solar power plant with battery backup at 05 stations over Bikaner Division.</b>							4525862.30	
1	1	50000.00	Each	29.68	1484000.00	AT Par	1484000.00	
	<b>Description:-</b> Supply of solar panels minimum 380 watts or above mono crystalline suitable for minimum 10kwp solar system as per spec. Warranty- minimum -25 years. (Qty unit Each = per watt)							
2	2	5.00	Numbers	199593.60	997968.00	AT Par	997968.00	
	<b>Description:-</b> Supply of hybrid inverter suitable for 10kwp solar system and lithium ion battery pack with in built safety features as per spec. Make - Any reputed make, Warranty- minimum -5 years.							
3	3	1500.00	Kg	120.00	180000.00	AT Par	180000.00	
	<b>Description:-</b> Supply of Galvanised iron solar structure suitable for 10kwp solar panel installation.							
4	4	500.00	Metre	42.00	21000.00	AT Par	21000.00	
	<b>Description:-</b> Supply of Unarmoured Single Core 4 Sqmm tinned copper for DC cable supply							
5	5	150.00	Metre	36.00	5400.00	AT Par	5400.00	
	<b>Description:-</b> Supply and fixing of PVC conduit/casing capping (as per instruction of site supervisor) and its accessories, size 25 mm, thickness 1.6 mm As per IS 9537 part II.							
6	6	75.00	Metre	115.64	8673.00	AT Par	8673.00	
	<b>Description:-</b> Supply of armoured 4 Core X 10 Sqmm Aluminium cable for AC supply							
7	7	5.00	Numbers	2297.46	11487.30	AT Par	11487.30	
	<b>Description:-</b> Supply of DCDB included 30 Amp fuses suitable for 10 kWp							
8	8	100.00	Numbers	55.69	5569.00	AT Par	5569.00	
	<b>Description:-</b> MC 4 connectors suitable for solar panels							
9	9	5.00	Job	50000.00	250000.00	AT Par	250000.00	
	<b>Description:-</b> Installation Charges for 10 kWp inverter and accessories with entire system testing							
10	10	5.00	Numbers	5921.00	29605.00	AT Par	29605.00	
	<b>Description:-</b> Supply and fixing of 4 pole MCCB 63 amp. 35 kA with adjustable thermal and fix magnetic release complete with box. MCCB should be of reputed make and as per tech. spec.							
11	11	500.00	Metre	38.00	19000.00	AT Par	19000.00	

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	<b>Description:-</b> Supplying and drawing 4.0 sq. mm PVC insulated multistrand copper conductor cable as submain and 1.5 sq. mm PVC insulated multistrand earth copper cable voltage grade 1.1 kV as earthing wire conforming to IS: 694-1990 in existing conduit/casing capping. Wire should be of reputed make and as per tech. spec.						
12	12	5.00	Set	270000.00	1350000.00	AT Par	1350000.00
	<b>Description:-</b> Supply of lithium batteries pack for 10 kWh capacity operating volt 12 to 48 DC in the range of 150-300 AH as per spec.						
13	13	15.00	Numbers	1600.00	24000.00	AT Par	24000.00
	<b>Description:-</b> Earthing with 1.5 meter long copper bonded rod with chemical as per spec.						
14	14	5.00	Numbers	1750.00	8750.00	AT Par	8750.00
	<b>Description:-</b> Supply of copper bonded lightning arrestor as per spec.						
15	15	5.00	Numbers	7980.00	39900.00	AT Par	39900.00
	<b>Description:-</b> Supply of solar meter suitable for 10 kWp Solar power plant						
16	16	5.00	Numbers	11052.00	55260.00	AT Par	55260.00
	<b>Description:-</b> Supply of Net meter suitable for 10 kWp Solar power plant (CTR Type)						
17	17	15.00	Numbers	1350.00	20250.00	AT Par	20250.00
	<b>Description:-</b> Supply of metering CT 100/5A						
18	18	5.00	Numbers	3000.00	15000.00	AT Par	15000.00
	<b>Description:-</b> Supply and fixing of ACDB including MCB 4 Pole 32 Amp., Surge protection device, 15/16 Amp fuse, connectors. Suitable for 10 kWp						

**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
1	Contractor having Valid Electrical contractor license issued by Central/State Government, will only be considered. (Valid Electrical contractor license not required for OEM or authorized dealer of OEM or sources approved by RDSO).	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**

**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)

**General Instructions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	Contractor should quote only the above/below/par percentage on estimated value, in the space provided at web portal for the purpose & nowhere else. Financial & Technical conditions quoted at any place other than prescribed space shall not be entertained while evaluating the offer.	No	No	Not Allowed
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**Custom**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer shall submit a copy of undertaking as detailed in para 14,18 of GCC work-2020. performa of undertaking is attached in tender documents	No	No	Allowed (Mandatory)
2	The tenderer shall submit copy regarding status of firm i.e. sole proprietorship, partnership, Company, Society/Trust etc. and also submit a power of attorney as detailed in related Para no. 15 of attached GCC-2020.	No	No	Allowed (Mandatory)

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	3910kWP solar5stationsfinal.pdf	Technical Spec
2	FinalcolouredGCC2020-16-07-2020WithEMD.pdf	Works GCC
3	undertaking.pdf	Undertaking
4	CorrectionslipACS02ofGCC2020.pdf	Correction Slip

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:** B. S. MEENA

**Designation :** Sr.DEE/G