

**WDFC FIELD UNIT-JAIPUR-ELECTRICAL/WDFC  
TENDER DOCUMENT**

Tender No: DFCC-JP-EL-REJN-KSGN-T-14

Closing Date/Time: 07/06/2023 15:00

CGM/DFCCIL/Jaipur acting for and on behalf of The President of India invites E-Tenders against Tender No **DFCC-JP-EL-REJN-KSGN-T-14** Closing Date/Time 07/06/2023 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>	Electrical Work i/c with Supply, installation and commissioning of 200 kWp Grid Connected Solar Power Plants, with Net Metering Facility at New Shrimadhapur Station of DFCCIL Jaipur Unit.		
<b>Bidding type</b>	Normal Tender		
<b>Tender Type</b>	Open	<b>Bidding System</b>	Single Packet System
<b>Tender Closing Date Time</b>	07/06/2023 15:00	<b>Date Time Of Uploading Tender</b>	10/05/2023 13:21
<b>Pre-Bid Conference Required</b>	No	<b>Pre-Bid Conference Date Time</b>	Not Applicable
<b>Advertised Value</b>	16212981.11	<b>Tendering Section</b>	EL
<b>Bidding Style</b>	Single Rate for Tender	<b>Bidding Unit</b>	Above/Below/Par
<b>Earnest Money (Rs.)</b>	231100.00	<b>Validity of Offer ( Days)</b>	60
<b>Tender Doc. Cost (Rs.)</b>	5900.00	<b>Period of Completion</b>	4 Months
<b>Contract Type</b>	Works	<b>Contract Category</b>	Expenditure
<b>Bidding Start Date</b>	24/05/2023	<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 1-SUB HEAD-1 (Electrical Work)</b>							11387770.00	
1	1	200.00	KWp	54517.85	10903570.00	AT Par	10903570.00	
	<b>Description:-</b> Supply, Installation, Testing and Commissioning of on grid Solar Photovoltaic Power Plant conforming to MNRE specifications as amended, consisting of Mono/Poly Crystalline silicon solar cells, net metering facility, necessary protections, earthing, mounted on Aluminium/GI structure of suitable strength with following components complete as required:- a) Solar Photovoltaic Module of capacity 330 Wp or above, manufactured in India, conforming to IS 14286/IEC 61215, IS/IEC 61730-Part-1, IS/IEC 61730-Part-2. Solar Photovoltaic Module conversion efficiency shall not be less than 16.5%. PV modules used in solar power plants/ systems must be warranted for their output peak watt capacity, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years. b) Power Conditioning Unit (PCU) of 350-800 V DC Input voltage range and 400 VAC, three phase, 4 wire, 50Hz +/- 2.5 Hz, output voltage suitable to generate AC Power with efficiency not less than 97%, total harmonic distortion less than 3% and suitable for ambient temperature from 0 to 50 degree C. The PCU shall adjust the voltage and frequency level to suit the Grid Voltage Frequency. c) Data Monitoring System complete with accessories. d) Fixing of Array junction box & Main junction box with IP 65 protection and termination arrangement for incoming and outgoing cable along with glands, lugs and other accessories etc. as required. e) Lightning and surge voltage protection. f) Connections & Interconnections by supplying & fixing required size XLPE insulated copper conductor 1.1 kV grade armoured power and control cables between solar modules, main power cable to grid supply PCU unit along with supplying & fixing of necessary channel/conduit lugs and other accessories etc. as required.							
2	2	500.00	Metre	755.00	377500.00	AT Par	377500.00	
	<b>Description:-</b> supply of 4 X120 Sq. mm 1.1 kV grade LT XLPE insulated PVC outer sheath aluminum cable confirming to IS 7098 ( Part-I) as per specification							
3	3	500.00	Metre	8.00	4000.00	AT Par	4000.00	
	<b>Description:-</b> Laying , connection, testing and commissioning of 4X6 to 4X120 sq. mm 1.1 kV grade, LT XLPE/PVC insulated PVC outer sheath aluminum cable in trench/Pipe/air as per spec							
4	4	500.00	Metre	48.00	24000.00	AT Par	24000.00	
	<b>Description:-</b> Digging and filling of trench size 0.4 x 0.8 mtr. as per spec. (trench work may be on kutcha/pucca and all type of soil as per site requirement and without protective layer of brick ) Surface of trench shall be made good in all respect and satisfaction of site engineer							
	5	500.00	Metre	157.40	78700.00	AT Par	78700.00	

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5	<b>Description:-</b> Supply & Laying of following size HDPE pipe PE-80, PN-4, ISI MARKED along with all accessories like socket, bend, coupler etc conforming to is 4984 complete with fitting and cutting joints etc. in existing trench complete as required (75 mm OD)
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S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule 2-SUB HEAD-02 (Civil Work)</b>							2352044.50	
1	1	100.00	cum	192.08	19208.00	AT Par	19208.00	
	<b>Description:-</b> Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sq. m on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m for All kinds of soil							
2	2	200.00	cum	4236.19	847238.00	AT Par	847238.00	
	<b>Description:-</b> Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)							
3	3	200.00	cum	4932.02	986404.00	AT Par	986404.00	
	<b>Description:-</b> Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)							
4	4	2000.00	Kg	94.32	188640.00	AT Par	188640.00	
	<b>Description:-</b> Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. - Electric resistance or induction butt welded tubes.							
5	5	450.00	Sqm	575.56	259002.00	AT Par	259002.00	
	<b>Description:-</b> Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia. wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge- Made of G.I. wire of dia. 4 mm							
6	6	250.00	Sqm	206.21	51552.50	AT Par	51552.50	
	<b>Description:-</b> Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule 3-GST on Schedule-I &amp; II</b>							2473166.61	
1	Lump Sum				2473166.61	AT Par	2473166.61	
	<b>Description :-</b> Total GST @ 18% on Schedule-I and Schedule-II							

**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	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: (i)Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or (ii)Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or (iii)One similar work costing not less than the amount equal to 60% of advertised value of the tender.	No	No	Allowed (Mandatory)

**Special Technical Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	Definition of Similar nature of work:- "Supply, erection, testing and commissioning of Solar Power Plant with/without battery backup".	No	No	Allowed (Mandatory)
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**Special Financial Criteria**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Financial Eligibility Criteria: 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)

**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)

**Custom**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Tender form (Annexure no. I) [Para 1.8 of Part III page no. 13 & 152]	No	No	Allowed (Mandatory)
2	Format for certificate to be submitted / uploaded by tenderer along with the tender documents (Annexure no V) [Para 2.14 of Part-III page no.16 & 155]	No	No	Allowed (Mandatory)
3	Bid security in accordance with Para 5 with Part -III of Preamble and General Instructions to Tenderers. (Bid security) bank guarantee bond from any scheduled commercial bank of India. (Annexure -VIA) [Para 5 of Part-III page no. 20 & 159]	No	No	Allowed (Mandatory)
4	Technical eligibility criteria details (Form no-2A) [Para 10.1 of Part III page no. 23 & 186]	No	No	Allowed (Mandatory)
5	Annual contractual turnover data for the previous 3/4 years [Para 10.2 of Part III Page no. 25 & Annexure-VIB page no. 161]	No	No	Allowed (Mandatory)
6	Applicant's party information form (Form no-2C) [page no. 188]	No	No	Allowed (Mandatory)
7	ECS/ NEFT / RTGS mandate form (Form no-3) [page no. 189]	No	No	Allowed (Mandatory)
8	Pre contract integrity pact (Form no-5) [page no. 191]	No	No	Allowed (Mandatory)
9	Anti-profiteering declaration to whomsoever it may concern (Form no-6) [page no. 197]	No	No	Allowed (Mandatory)
10	Certificate for provision for medium & small enterprises (MSE) (If applicable) [Para- 4.1 Part-III page no. 19]	No	No	Allowed (Optional)
11	The tenderer shall clearly specify whether the tender is submitted on his own (Proprietary Firm) or on behalf of a Partnership Firm / Company / Joint Venture (JV) / Registered Society / Registered Trust / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. [Para-14 of Part-III page no. 28]	No	No	Allowed (Mandatory)

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12	ELECTRICAL CONTRACTOR LICENSE- (i)The Contractor should have valid A-Class Electrical license to be submitted along with tender failing which tender would be consider ineligible (i.e. not eligible). (ii)The work shall be carried out by the contractor, having valid Electrical Contractor's License for carrying out installation work under the direct supervision of the persons holding valid certificates of competency issued by the State Government. (iii)The successful tenderer shall furnish the names and particulars of the certificate of competency of supervisor and workmen to be engaged for carrying out this work. [Para 10.1 (c) of Part-III page no. 24]	No	No	Allowed (Mandatory)
13	Scanned copy of proof of money deposited against Earnest money & Tender Document Cost. (Page No. 4)	No	No	Allowed (Mandatory)
14	GST Registration Certificate	No	No	Allowed (Optional)

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	SMPNElect.bill.PDF	Electricity Bill
2	NIT-T-14.pdf	Notice Inviting Tender
3	SolarTenderT-14Tender_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:** MANOJ KUMAR CHAUDHARY

**Designation :** DYPM/EL