



THE DURGAPUR PROJECTS LIMITED

NOTICE INVITING TENDER (NIT)

e-Procurement

NIT No: WBDPL/PP/T/PP-435/2021/21-22/E-008 , Dtd:-07/04/2022

National Competitive Bidding

For

E-tender cum Reverse Auction for “Design & Engineering, Manufacture/ Procurement, Supply, Erection, Testing and Commissioning of 7 MW Phase-I Grid Connected Ground Mounted Solar Photovoltaic Power Plants at Durgapur Projects Limited(DPL), Durgapur, West Bengal on Turnkey basis with 05 (Five) years comprehensive Operation and Maintenance”.

THE DURGAPUR PROJECTS LIMITED

(A Govt. of West Bengal Enterprise)

CIN: “U40102WB1961SGC025250”

Dr Bidhan Chandra Roy Avenue, Industrial Area, Durgapur, West Bengal-713201

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IMPORTANT DATES

#	NIT NO. & Date	:	WBDPL/PP/T/PP-435/2021/21-22/E-008 , Dtd:- 07/04/2022
1	Publishing Date	:	07-04-2022.
2	Document Download start date	:	07-04-2022
3	Pre-bid queries submission end date	:	12-04-2022 at 17:00 Hrs
4	Pre-Bid Meeting	:	13-04-2022 at 11:30 Hrs
5	Bid submission start date	:	19-04-2022 from 10:00 Hrs
6	Bid submission end date	:	05-05-2022 till 15:00 Hrs
7	EMD Submission End Date	:	07-05-2022; till 12:00 Hrs.
8	Technical Bid opening date	:	11-05-2022 at 11:00 Hrs
9	Uploading of Technical Bid Evaluation sheet	:	To be notified through system generated message
10	Financial Bid opening date	:	To be notified through system generated message
11	Uploading of Financial Bid evaluation sheet	:	To be notified through system generated message

Section-I: Bid Summary

SECTION-I

BID SUMMARY

1.01 GENERAL

In this section brief summary of the tender has been discussed, this is only for quick overview of the Tender documents. This information is also not sufficient to clarify all the terms and condition, supply and service scope of the tender. Bidders are requested to go through these tender documents thoroughly before participating the Tender. Purchaser will not be responsible for any type of negligence of the bidder

1.02 SECTION-II: INSTRUCTION TO BIDDER

SN	Subject	Remarks
1.	For any Bid quarry contact Person	Mr. Sudito Pal, DGM(PTC), Ph-9434735849 Mr. Partha De, Sr.Mgr(CC), Ph-9434713057
2.	Tender Inviting Authority	Sr. Mgr (Contract Cell), DPL, e-mail- contractcelldpl@gmail.com
3.	Tender Cost	Nil
4.	Bid Security/EMD	Rs. 71.0 Lakh
5.	Contract Performance BG(CPBG)	3% of the Contract Value, EMD may convert to CPBG, additional 10% of the Contract value of CPBG is required if bid price less than Rs. 28.25Cr.
6.	QUALIFICATION REQUIREMENT	
A	Technical	
	Job Experience	
	a) At least one (01) number 7(Seven) MW capacity or two(2) number Four(4) MW Capacity or higher capacity Solar PV project installation at a single location during preceding 07 (Seven) years. b) Minimum 01 (one) number 7 (Seven) MW or or two(2) number Four(4) MW or higher capacity Solar PV Power Plant Operation and Maintenance (O&M)	

Section-I: Bid Summary

	<p>experience</p> <p>c) If Consortium:</p> <p>i. Maximum three(3) member</p> <p>ii. Each of the other Member(s) shall meet at least 30% of the required Technical Capacity and 20% of the required Financial Capacity</p> <p>The Bidders must have experience of having successfully executed similar works during last seven years ending last day of month previous to the one in which the applications are invited should be either of the following:-</p> <ul style="list-style-type: none"> • Three (03) similar completed works, each costing not less than the amount Rs. 16.07 Cr. including GST as applicable • Two (02) similar completed works, each costing not less than the amount Rs. 20.09 Cr. including GST as applicable • One (01) similar completed work costing not less than the amount Rs. 32.14 Cr. including GST as applicable 	
B	Financial	
	Minimum Average Annual Turnover (MAAT)	Rs. 12 Cr.
	Net worth for last 3 years ending 31st March 2021	Positive
7.	PRICE SCHEDULE	1. Supply Cost and 2. Service Cost
8.	TYPE OF BID PROPOSAL	1. Technical and 2. Financial
9.	Period of validity of Bid	180 days
10.	Bidding Process	Reverse Bidding/ Auction

Section-I: Bid Summary

1.03 SECTION-IV: SPECIAL CONDITION OF CONTRACT(SCC)

SN	Subject	Remarks
1.	Mobilisation Advance	20 % of the Contract Price (Supply & Erection Contract excluding cost of Mandatory Spares) with 110% BG
2.	CPBG	To be given with 15 days of LOA placement
3.	Performance Guarantee	Net Minimum Guaranteed Generation (NMGG) of solar energy at rate of 1.54 MU/MWp annually with a degradation of 0.7% for any reason, from second year onwards
4.	Liquidated Damages	Time Delay: 0.5% of the value of delayed job for each week of delay and part thereof subject to a maximum of 10% of the Project cost plus GST. Milestone Delay: 5% (Five Percent) of the Contract price. Total LD: Shall not exceed 10% of total EPC Contract Price plus GST.
5.	Payment Terms	
A	Supply	70% after delivery will be given pro rata basis (Mobilization Advance paid as per Clause 4.04.02 will be recovered proportionately from bills under this phase of payment).
		15% after Erection
		5% after commissioning
		5% after PG Test
		5% will be retained for performance securities
B	Service	65% of the contract value will be given pro rata basis after erection of the material (Mobilization Advance paid as per Clause 4.04.02 will be recovered proportionately from bills under this phase of payment).
		20% after Testing & Commissioning
		5% after PG Test
		5% after successful completion
		5% will be retained for performance securities
6.	Mandatory Spare	70% of the Supply price production of MDCC
		30% of the Supply price production of MRC

Section-I: Bid Summary

7.	O&M	Contract Price: O&M contract value for the project is pre-defined. Cost for the 5 years O&M will be 7.5% of the awarded Basic Project Cost (excluding GST) .
8.	Insurance	Contractor's All Risk (CAR) policy, Workmen compensation, Material Transit Insurance, Equipment Asset insurance.
9.	Defect Liability Period	60 Month after commissioning
10.	Project duration	12 Months

1.04 SECTION-V: TECHNICAL SPECIFICATION

1.04.01 MAIN OBJECTIVES:

Installation of 7 MW AC Ground Mounted Solar PV Plant

1.04.02 CIVIL ENGINEERING

SN	Subject	Remarks
1	Approx Area	24 Acre
2	Topography Survey & Contour	To be done
3	Site Leveling and Grading	To be done
4	Paving the Site	
5	PEB	For Inverter Room and Dry Type Transformer Room
6	RCC Building	Main control room with other room like SCADA room, Battery UPS room, Security, Store room
7	RCC/PVC Water Tank	Of required storage capacity for Back-up purposes for cleaning of modules.
8	CLSM Paving	Not required
9	Draining System	All draining system should be connected with the three water storage tank

1.04.03 ELECTRICAL ENGINEERING

SN	Subject	Remarks
1	Module	Monofacial/Bifacial, Minimum capacity is 500Wp with requisite overloading on DC capacity to achieve net minimum guaranteed generation. The PV modules must be enlisted in the latest ALMM of MNRE, GoI at

Section-I: Bid Summary

		the time of delivery.
	Inverter	Min. 2 Nos. of Inverters to be supplied. Capacity will be finalized during detail engineering.
	415V LT Switchgear	2 Incomer(VCB), 1 Bus coupler, 2 spare feeder, 2-outgoing feeder
	6.6kV MV Switchgear	Incoming feeder (VCB)- No. to be fixed during detail engineering Outgoing feeders- 4Nos. (one for Aux. Transformers, 3-for power evacuation to Unit #6)- Spare Feeders-02Nos. Space for future feeders-02Nos. Refurbishment of 03Nos. existing old breakers
	Cable Laying	2Run x3C, 400 sq.mm of approx. length 750 Mtr. Cable (through Underground laying) from newly constructed indoor switchgear to existing 6.6 KV switchgear of U #6 Reserves building.
	Invert duty Transformer	Min. 2 Nos. of Dry type ANAN cooled Transformer to be supplied. Capacity will be finalized during detail engineering.
	Station Auxiliary Transformer	One number 250kVA(6.6/ .415kV) dry type transformer to be supplied, Note:**
	SCADA	To be provided
	WMS	To be provided

**Another LT source will be provided from the existing Transformer located near Administrative Building, DPL. Requisite cable, breaker etc. to be supplied by the Bidder.