

Supply, Installation and Commissioning of 1 No 50 Watt LED based SPV SLS at Nadia District Library, Krishna Nagar, Nadia.

TENDER DOCUMENT



West Bengal Green Energy Development Corporation Ltd .

(A Govt. of West Bengal Company)

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50 Watt LED Based Solar Street Light System

1.0 Key Dates:

Sealed quotations are invited from the reputed manufacturers/contractors for manufacturing, supply and installation of 1 No 50 Watt LED based SPV SLS at Nadia District Library, Krishna Nagar, Nadia.

Tender paper may be collected from WBGEDCL from 11.00 a.m. to 4.00 p.m. on any working day from 07.03.2013 . Also, the Tender paper may be downloaded from our website (www.wbggedcl.in) . Last date of Submission of quotation is 18-03-2013 till 2 PM and Opening of the same will be on the same day at 2.30 PM at WBGEDCL.

1.1 SCOPE OF WORK:

The scope of the work includes design, manufacture, supply, installation, and commissioning of 1 No 50 Watt LED based SPV SLS at Nadia District Library, Krishna Nagar, Nadia. The installation includes civil engineering work, including all supply, connecting the system with the Suitable fixture for the light and Suitable arm for holding the light fixture with 7m long pole. The scope includes maintenance of the system for 3 (three) years and also arrangement of appropriate user training. Technician should be available on call basis for any maintenance with spare parts within 72 hours of intimation.

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2. Technical Specifications of the Power Plant

Sl. No.	Parameter	Required Specification	Offered Specification	Bidders Comments
1	Solar Photo Voltaic Module			
1.1	Type of PV Module	Poly Crystalline	<i>Please mention</i>	
1.2	Rating of PV Module	100 Wp	<i>Please mention exact rating</i>	
1.3	Number of Bypass Diodes	Minimum 3 Nos		
1.4	Certifications	IEC 61215 and IEC 61730 or US 14286.	<i>Please enclose certificate for the Make and Model quote</i>	
1.5	Make of the PV Module		<i>Please fill</i>	
1.6	Model Number of PV Module		<i>Please fill</i>	
1.7	Total Number of PV Modules to be supplied		<i>Please mention</i>	
2	Pole			
2.1	Suitable Pole capable of holding the PV Module along with the LED fixture.	Suitable Galvanized Pole will have to be supplied and installed at the site. The structure should be suitable for withstanding 150 km / hr wind speed. The GI structure should be galvanized upto 50 microns		
3	Charge Controller			
3.1	Make		<i>To be mentioned</i>	
3.2	Model		<i>To be mentioned</i>	
3.3	Degree of Protection	IP66 minimum	<i>To be enclosed</i>	
3.4	Nominal Voltage	12/24 V	<i>To be complied</i>	
4.0	Battery Bank			
4.1	Battery Tubular Type Flooded Lead Acid battery of 12 V 150 Ah.		<i>To be complied</i>	
4.2	Battery Certifications	IS:1651:1991	<i>To be enclosed for the particular make and model</i>	

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5.0	LED based 50 W Lighting source			
5.1	Luminance	Min 4500 lm	<i>To be complied</i>	
6.0	Warranty			
6.1	The whole System	Should be warranted for 5 Years.		

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3.0 Price Bid will have to be submitted in the format as given below

Proforma

Price Bid

(To be completed & submitted)

NIT No.WBGEDCL/187/T-03

dt.07.03.2013

Manufacturing, Supply and Installation of 1 Nos 50 Watt LED based SPV SLS at Nadia District Library, Krishna Nagar, Nadia.

Schedule of Items for the Site. All prices should be F.O.R site:

Num.	Name of components	specification	Unit Rate	QTY	Total Cost
1	SPV Module (Crystalline type)	12 V,100 Wp		2 Nos	
2	Battery (Tubular Type Flooded Lead Acid Batteries)	12V /150Ah		1 No	
3	Charge controller + Timer	12V / 20A		1 No	
4	LED lighting source	12 V / 50W / 4500 Lm		1 No	
5	Pole and frame work	7 Meters		1 No	
6	Suitable Battery box	As required		1 No	
7	Suitable Connecting wires	As required		LS	
8	Installation work	As required		LS	
	Total Cost:				

(Rupees

) (in word)

Seal of the company

Full Signature

Name

Designation

Date

Note: The bidder must offer their price for all the items including taxes and duties as applicable and optional items otherwise the bid shall be treated as non-responsive.

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4.0 Schedule of Payment.

Payment Milestone Percentage (%) of Contract Price:

SI.No	Head of Payment	Percentage (%)
1	Supply of materials, Site development work and Completion of Civil Works, Interconnection of all major equipments and completion of installation and successful testing & commissioning of 50 Watt SPV SLS.	95% of total project cost.
2	After satisfactory completion of Warranty Period	Balance 5% of total project cost.

4.0 SPECIAL TERMS AND CONDITIONS:

- a) All prices should be quoted inclusive of transportation cost, insurance cost, handling cost etc.
- b) The work shall have to be completed within 30 days from the date of placement of work order.
- c) The installation work should be done without any major modification of the building/area.
- d) The work should be carried out strictly as per specifications.
- e) The entire system should be guaranteed for a period of 5 years. During such period any components if found defective has to be replaced/repared by the contractor free of cost. Scope will include routine maintenance. A routine checkup report after every Six month should have to be provided counter signed by any authorized person of Nadia district Library authority.
- f) SOS maintenance is to be provided within 72 hours after receiving intimation verbally over telephone or written.
- g) The work should be treated as turnkey contract. Any items not mentioned in the tender but required for completion of work shall have to be supplied by the contractor.
- h) The contractor should organize free training program for the user.
- i) Firm's offer not accompanied with signed tender documents will be summarily rejected without assigning any reason.