



ଜିଲ୍ଲା ପରିଷଦ କାର୍ଯ୍ୟାଳୟ ଗଜପତି, ପାରାଲକ୍ଷେମୁଣ୍ଡି
ZILLA PARISHAD, GAJAPATI, PARALAKHEMUNDI

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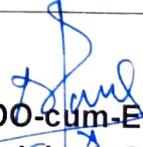
Letter No. 3829 /ZP

Dated 05 / 10 /2024

TENDER CALL NOTICE

Sealed Tenders are invited from intending Firms for Supply & Installation of Off Grid Solar System with 5 year maintenance at DHH & MCH, Paralakhemundi of 44 KW Capacity and at SKCG Autonomous College, Paralakhemundi, Gajapati of 40 KW Capacity under CSR Grant of Powergrid Corporation India Ltd.

1	Name of the Work	:	Supply & Installation of Off Grid Solar System with 5 year maintenance at DHH & MCH, Paralakhemundi of 44 KW Capacity and at SKCG Autonomous College, Paralakhemundi, Gajapati of 40 KW Capacity
2	Method of Selection	:	L1 Selection Method (Least Cost Based)
3	No of Works	:	Two (02) nos.
4	Tender Amount	:	Rs. 54,14,000.00 & Rs. 34,64,000.00
5	Earnest Money Deposit (EMD) Refundable	:	5% of the total value in shape of Cheque / Demand Draft in favour of "CDO-cum-EO, Zilla Parishad, Gajapati drawn in any nationalised bank payable at Paralakhemundi.
6	Period of Completion	:	One Month from the date of Order.
7	Date & Time of availability of Document.	:	<u>09.10.2024</u> onwards during Office Hour
8	Last Date & Time for Submission of Original Document	:	<u>23.10.2024</u> by 01.00 PM.
9	Tender Opening Date & Time	:	<u>23.10.2024</u> at 04.00 PM.
10	Name and Address of the Officer inviting the Tender	:	CDO-cum-EO, Zilla Parishad, Gajapati
11	Mode of Submission of Tender Paper	:	Speed Post / Registered Post only.


CDO-cum-EO,
Zilla Parishad, Gajapati

Memo No. 3830 /ZP

Dated. 05/10/2024

Copy to the Notice Board of all District Level Officers for information with a request to place in their office Notice Board for wide publicity.

✓ CDO-cum-EO,
Zilla Parishad, Gajapati

Dated. 05/10/2024

Memo No. 3831 /ZP

Copy to the CDMO, DHH, Gajapati / Principal, SKCG Auto. College, Paralakhemundi for information with a request to place in their office Notice Board for wide publicity.

Copy to the Asst. Director, OREDA, Zilla Parishad, Gajapati for information.

✓ CDO-cum-EO,
Zilla Parishad, Gajapati

Dated. 05/10/2024

Memo No. 3832 /ZP

Copy to the General Manager (HR), Powergrid Corporation of India Ltd., BBSR for information.

✓ CDO-cum-EO,
Zilla Parishad, Gajapati

Dated. 05/10/2024

Memo No. 3833 /ZP

Copy to I & PR, Department (ipr.advt@gmail.com) with a request to publish the Tender Call Notice in 2 (Two) nos. of Odia Daily News Paper on date 09.10.2024 for wide publicity.

✓ CDO-cum-EO,
Zilla Parishad, Gajapati

Dated. 05/10/2024

Memo No. 3834 /ZP

Copy to DeGM Coordinator, Gajapati for information with a request to web hoist in gajapati.odisha.gov.in for wide publicity.

✓ CDO-cum-EO,
Zilla Parishad, Gajapati

Dated. 05/10/2024

Memo No. 3835 /ZP

Copy to PA to Collector, Gajapati for kind information of Collector.

✓ CDO-cum-EO,
Zilla Parishad, Gajapati

Terms & Conditions

The Tenderers are requested to submit the tender as per the Terms & Conditions given below. The Tenders not prepared as per our terms detailed below are liable for rejection.

1. Tender Price:

The rate and total should be entered both in figures and words and any correction should be attested under the Seals of the Firm. No revision of rates from that originally quoted will be allowed. The rate should be quoted at installation site inclusive of all taxes and duties.

2. Earnest Money Deposit (EMD) Refundable:

The Tender Document shall accompany with an Earnest Money Deposit (EMD) of 5% of the total value in shape of Cheque / Demand Draft in favour of "CDO-cum-EO, Zilla Parishad, Gajapati drawn in any nationalised bank payable at Paralakhemundi without which the Tender shall be rejected.

- (a) The EMD of unsuccessful tenderers will be refunded as promptly as possible on written application. The successful tenderers EMD shall be discharged upon after successful completion of the work on written application.
- (b) The EMD may be forfeited due to following reason
 - i. If the Tenderers withdrawn tender during the period of Tender Validity specified by the Tenderer in the tender form.
 - ii. In case the successful Tenderer fails to submit the requisite documents.
 - iii. In case of failure to supply the materials / equipment during the contract delivery period.

3. Certificate:

The Successful Tenderer will submit a Certificate as asked for w.r.t to supply and installation of Off Grid Solar System in DHH & MCH, Paralakhemundi and SKCG Autonomous College, Paralakhemundi, Gajapati before request for final payment.

4. Tax & Duties:

The Tenderer will be entirely responsible for quoting the correct taxes and duties, other local taxes or levies if any, licence fees etc. he has to incur until completion of the contract. For the purpose of evaluation the Tenderer should clearly indicate the GST.

5. Eligibility:

The Tenderer should give

1. Copy of GST registration with GST return Certificate.
2. Copy of PAN of the Company.
3. Income Tax return Certificate for last 3 year.
4. Annual Turnover Certificate for last 3 year duly certified by Chartered Accountant.
5. Single Price quotation for each location (2 nos)
6. Copy of experience certificate relating to said work
7. Self Declaration Certificate (**as per Annexure A**)

6. Payment:

No advance payment shall be made. Payment will be made in 3 part (25%, 50% & 25%) as per conditional agreement made with Powergrid Corporation India Ltd.

7. Guarantee:

As specified in the Technical Specifications / Parameters of the Project.

Technical Specifications / Parameters of the Project

SOLAR PANEL:

- **Electrical Parameters -**

Cell Type	MONO PERC HALF CUT
No. of Cells	144
Peak Power P _{Max} (W _p)	550
Rated Module Voltage (V)	41
Maximum Power Voltage V _{mP} (V)	40.9-41.92
Maximum Power Current I _{mp} (A)	10.7-12.89
Open Circuit Voltage V _{oc} (V)	48.9-49.40
Short Circuit Current I _{sc} (A)	11.32-13.72
Module Efficiency (%)	20.89%
Maximum System Voltage (V)	1000V to 1500V
Maximum Series Fuse Rating	20A-25A

- **Mechanical Data -**

IP Rating	IP 67
Frame	Silver Anodized aluminum alloy
Glass	3.2 mm thick
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)
Back sheet	Composite Film
Maximum Surface Load Capacity	5400 Pa (Pascals)
Application Class	Class A (Safety Class II)

- **Operating Conditions -**

Operating Temperature	-40°C to +85°C
Temp coefficient of Open Circuit Voltage	-0.3% /K
Temp coefficient of Short Circuit Current	+0.06% /K
Temp coefficient of Power	-0.35% /K

- **Solar PSU Specification -**

Range Name (Solar)	PCU
VA Rating	7.5 Kva to 9.5 Kva
Capacity (kW)	6kw / 7.5kw
Output Waveform	Sine Wave
Technology (Solar)	With Battery
Maximum Power Voltage V _{mp} (V)	120V-240V
Max. Supported panel power (W _p)	6000 W _p or higher
Nominal battery bank voltage	120 V
Input Voltage Range (V _{oc})	180V-300V
Type of Charger	MPPT
Input supply Phases	Single Phase
Nominal Voltage & Voltage range	230V AC (185V – 265V)

Solar PSU Specification -

Nominal Frequency & Range	50 Hz (± 3 Hz)
Battery recharge current range from Grid Side (A)	0-35
Battery recharge current range from Array Side (A)	0-65
Charging Stages	Boost, Absorption, Float, Bulk
Switching Element	1GBT
Control	32 Bit DSP controlled
Nominal Output VAC	230V $\pm 1\%$, Single Phase
Output waveform	Pure Sine Wave
Nominal Frequency	50 Hz (± 0.5 Hz)
Power Factor	0.8 lag to 0.8 lead
Nominal Output Current (A)	33
Overload at nominal output voltage	110% for 10 minutes, 200% for 5 Secs
Protection	Under / Over voltage protection for Input, Output, Battery & Array; Reverse polarity protection for Array & Battery; Protection for Output Overload, Short circuit and Over Temperature; MCB & Surge protection at Grid / DG Input, Battery, Array Path and PCU O/P
IP Protection Level	IP-54
Certifications & Warranty	BIS certified as per IS/IEC standards 2 years

- **Solar Battery Specification –**

Application Area	Commercial Applications, Homes and Shops
Warranty	60 months full warranty
Height up to terminal (± 3 cm)	44.0 CM
Length (± 3 cm)	50.2CM
Breadth (± 3 cm)	19.1CM
Filled weight ($\pm 5\%$ Kg)	60kg
Electrolyte Volume $\pm 5\%$ Litre	20.6litre
Voltage Capacity	12V
Technology	Next generation tall tubular battery with better charge acceptance and long Backup
Cycles	(1500@80%DOD, 5000@20%DOD), Ensuring design life
Discharge rate	Longer life without discharge with self-discharge rate of 3% per month STC.
Efficiency	Efficient battery with Higher AH efficiency >90%, and WH efficiency >80%

Maintenance	Low maintenance with a topping frequency of 8 -10 months, low maintenance with level indicators
Materials	Manufactured with high corrosion resistant and robust spine technology using the advanced and state-of-the-art HADI high pressure (at100bar) spine casting machines, which ensure a super fine grain structure, for strength, long life and highest reliability
Design	Designed with thicker positive plates and 20% more electrolyte to with stand power outage

- **Solar Warranty Support –**

ITEM	Period
SOLAR INVERTER-PCU NXT+ 12.5 KVA/120V	2 Years
Solar Panel	25 Years (12 Years Warranty + 13 years performance warranty)
Solar Battery	5 Years

Details of OFF-GRID SOLAR SYSTEM **(With Maintenance for 5 Years)**

At DHH & MCH:

SI	Particulars	Unit
1	PV PANELS: 550 WP	80 NOS
2	HYBRID INVERTER-12KW / 15 KVA	4 NOS
3	SOLAR BATTERIES	80 NOS
4	MOUNTING STRUCTURE	04 SET
5	AJB, SPD, EARTHING	04 SET
6	WIRES (DC AND AC CABLES)	04 SET
7	INSTALLATION & COMMISSIONING	04 SET

At SKCG Auto. College:

SI	Particulars	Unit
1	PV PANELS: 550 WP	72 NOS
2	HYBRID INVERTER-12KW / 15 KVA	2 NOS
3	SOLAR BATTERIES	40 NOS
4	MOUNTING STRUCTURE	02 SET
5	AJB, SPD, EARTHING	02 SET
6	WIRES (DC AND AC CABLES)	02 SET
7	INSTALLATION & COMMISSIONING	02 SET

SELF DECLARATION FORM

Name of the Tenderer : _____

Name Notice No : _____

Sir,

1. I / we the undersigned do hereby declare that, I / we have never ever been blacklisted and / or there were no debarring actions against us for any default in supply of material / equipments or Private Organisation of India.
2. In the event of any such information of any such information pertaining to the aforesaid matter found at any given point of time either during the course of the contract or at the tender stage, my tender / contract shall be liable for cancellation / termination without any notice at the sole discretion of the buyer.

Yours faithfully,

Place :

Date :

Signature of the Tenderer
With Seal

(This form shall be duly filled-up and signed by the Tenderers & submitted along with the original copy of the Tender)