

**TENDER DOCUMENT FOR
7 x 850 KW REKULAKUNTA WIND POWER PROJECT**

TENDER No: NREDCAP/WE/O&M/Rekulakunta/5.95 MW/2023

Dated: 28.08.2023

***Comprehensive Operation & Maintenance of 5.95 MW capacity
wind power project at Rekulakunta in Ananthapuramu District of
Andhra Pradesh for 5 years.***



**New & Renewable Energy Development Corporation of
Andhra Pradesh Ltd**

#12-464/5/1, River Oaks Apartment, CSR Kalyana Mandapam Road, Tadepalli.
Guntur District - 522501, Andhra Pradesh, India

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Email: info@nredcap.in , we@nredcap.in

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Authorised Person: The VC & Manager Director, NREDCAP

Address: #12-464/5/1, River Oaks Apartment, CSR Kalyana Mandapam Road, Tadepalli. Guntur District - 522501, Andhra Pradesh, India

I. SCOPE OF WORK

1.1. OPERATION AND MAINTENANCE SPECIFICATION

The Contractor shall be responsible for all the required activities for the successful running, optimum energy generation and maintenance of 7 x 850 KW SIEMENS GAMESA WEGs including all electrical accessories of the project for a period of 5 years from the date of commencement of contract. The operation and maintenance shall include:

- i. Deputation of Engineering and supporting personnel.
- ii. Deputation of Security personnel.
- iii. Successful running of WEG(s) for optimum energy generation
- iv. Monitoring and controlling through SCADA system.
- v. Supply of all spares, replacement of all the damaged items including blades, nacelle, generator, hub, tower, control panel, consumables (i.e., items required to run the WEG) and fixing/ application of the same in the WEG.
- vi. Supply & use of lubricants such as grease, oil etc., throughout the maintenance period as per the recommendations of the equipment manufacturers.
- vii. Conducting periodical checking, testing, overhauling and preventive maintenance.
- viii. External upkeep of all equipment and control room.
- ix. Submission of periodical reports to NREDCAP on the energy generation & operating conditions of the WEG or providing online access.
- x. Regular maintenance of the whole system including WEG, transformers, overhead line, and control rooms etc., as necessary for extracting and maintaining the maximum energy output from the wind farm, with necessary painting to prevent corrosion.
- xi. Submission of invoice and liaison in receiving the payments/ forwarding adjustment advice from the APPCC/ APTRANSCO/ APSPDCL.
- xii. Assisting and recording of readings of the energy meters and receipt of energy statement.
- xiii. Periodic inspection by CEIG of the electrical installations of the WTG(s) and rectify the defects mentioned in their defect report within the stipulated time.
- xiv. The ROW issues arising at any time of COMC shall be handled by the NREDCAP and the expenses towards the ROW issues shall be paid by the NREDCAP.

1.2 OPERATION AND PERFORMANCE MONITORING

Operation part consists of deputing necessary manpower to operate the WEG at the optimum capacity (minimum 95% Machine availability). Operation procedures such as

preparation to starting, running, routine operations with safety precautions, monitoring etc. shall be carried out as per the manufacturer's instructions, to have trouble free operation of the complete system.

The Contractor shall also note down failures, interruption in supply and tripping of different relays, reason for such tripping, duration of such interruption etc.

Monthly energy output of the WEG shall be recorded by the Contractor and reports shall be prepared on performance of the WEG, indicating WEG production, down time, capacity factor, WEG availability etc.

1.3 MAINTENANCE

The Contractor shall draw the preventive maintenance schedules and attend to the breakdowns, keeping in view that annual WEG machine availability is always more than 95%. The Contractor shall carry out the periodical WEG maintenance as given in the manufacturer's service manual. Contractor shall inform the preventive maintenance schedule to Owner in advance and submit report after completion of each Preventive Maintenance.

Regular periodic checks of the WEG shall be carried out as a part of routine, preventive maintenance during low wind period.

Maintenance of other major equipment's involved in WEG electrical accessories are step up transformers, overhead line equipment, outdoor and metering panel. Particular care shall be taken for outdoor equipment to prevent corrosion. Stock of special tools and tackles shall be maintained for WEG and other major electrical equipment. A maintenance record is to be maintained by the Contractor to record the regular maintenance work carried out, as well as any breakdown maintenance along with the date of maintenance, reasons for the break downs, steps taken to attend to the break down, duration of the break down etc. The Schedules will be drawn in such a way that some of the jobs other than breakdown, which may require comparatively long stoppage of the WEG, shall be carried out preferably during the non-windy season. The Contractor shall deploy sufficient manpower at the WEG site to carry out work instructions and preventive maintenance schedule as specified.

Contractor shall not be responsible for or required to perform any maintenance other than those expressly set out herein. Under the scope of this agreement, Contractor shall not

be required to maintain, repair or replace the equipment in the event of breakdown or damages or loss etc due to any non-operational reasons or other causes such as fire, natural calamities like cyclone, earthquake, lightning, flood etc., civil disturbance, riots, malicious damage, terrorist acts, action of any government or local authority or any risk or event that can be covered by insurance. Any repairs/replacement required by reasons of any of the said events or circumstances will be carried out as and when necessary, on the request and at the cost of the NREDCAP.

NREDCAP will take fire and allied and perils insurance. The insurance policy obtained by the NREDCAP shall be in force from the date of commencement of this contract. Owner shall be solely liable for any loss incurred/suffered by the NREDCAP due to failure of Owner to obtain the insurance policy or due to any shortfall in the insurance cover.

1.4 Corrective Maintenance:

Corrective maintenance refers to repairs and involves, either or both of the following,

- i. Major Corrective Work: Interventions which require the provision of auxiliary lifting and transport resources and/ or human resources which are not those normally employed at the Wind Farm; and
- ii. Minor Corrective Work: interventions involving the repair of breakdowns which do not require the special means described in paragraph (i) above.

The contractor shall promptly perform corrective maintenance.

The labour, consumables, spare parts, transportation, lifting means and auxiliary resources required for performance of Corrective maintenance shall be provided by the contractor at no extra cost to the owner.

1.4 QUALITY SPARES & CONSUMABLES

In order to ensure longevity, safety of the core equipment and optimum performance of the system, the Contractor shall use only genuine spares and consumables. The contractor shall have arrangement with the Original Equipment Manufacturer (OEM) for supply of spares and consumables.

1.5 ACCIDENT

The Owner will not have any liability towards any loss or damage to the property or personnel of the Contractor, deployed for discharging the work under this Agreement.

1.6 SECURITY SERVICES

The Contractor has to arrange proper security system including deputation of security personnel at his own cost for the check, vigil for the WEG. Proper checking & recording of all incoming & outgoing materials, vehicles shall be maintained. Any occurrence of unlawful activities shall be informed to the Owner immediately.

II. ELIGIBILITY CRITERIA & CONTRACTORS CREDENTIAL

2. Bidder's Eligibility Criteria

Bidders intending to participate in this tender shall fulfil the Eligibility Criteria as follows. Bids submitted without meeting any of below criteria fully or partially shall be treated as non-responsive and disqualified and EMD forfeited.

The Bidder should meet the eligibility criteria and requirements stipulated hereunder:-

A. Technical Criteria:

- i. The bidder should have the experience of successful comprehensive operation and maintenance of at least one wind farm of 6 MW capacity at single wind farm location having WEG of 850 KW or above for minimum 2 years as on date of submission.
- ii. The bidder should have experience in similar work completed / under execution as main contractor during last 2 years ending March 2023.
- iii. The bidder shall meet any one similar completed/under execution works having an amount of INR 50 Lakhs/Year in the last 3 years.
- iv. For Technical qualification criteria, the bidder shall furnish documentary evidence by way of copies of Contract / Purchase Order and Certificate on Client's letter head for satisfactory O&M services, etc., along with the Bid to establish experience / track record meeting Bid Evaluation Criteria.

B. Financial Criteria:

- i. The net worth of the bidder should be positive for financial year ended on 31.03.2023 as per audited financial statement.
- ii. Average annual turnover of the bidder for last 3 financial years should not be less than Rs. One Crore.
- iii. For Financial criteria, bidder shall submit Audited annual financial statement duly certified by CA to demonstrate the financial health of the company for last three years. Balance sheet and P&L account must be in the name of company.

OTHER TERMS

- i. Service Provider contractor and not as a sub-contractor.
- ii. The list of service providing shall clearly mention name of the technology partner / licensee agreement company and whether the same is valid as on date with date of expiry.
- iii. Bidder shall ensure that all the information, facts & figures, data provided in the bid are accurate and correct. NREDCAP reserves the right to confirm / verify any data or information through their own sources.
- iv. NREDCAP also may contact directly the references given and may also visit the site, Service facilities & sub-vendors works etc., physically to ascertain capabilities of the applicant, if so desire at their own cost. Bidder may have to facilitate NREDCAP for any such visit.
- v. The bidder shall furnish documentary evidence by way of copies of Contract / Purchase Order, Completion Certificate or any other equivalent document, Audited Balance Sheet and Profit & Loss Account etc., along with the Bid to establish experience / track record and financial capabilities meeting Bid Evaluation Criteria. Attested copies of relevant documents duly signed and seal on each & every page shall be submitted.
- vi. The bidder or its Proprietor / Partner(s) / Director(s) of the Firm should not have been convicted by a Court of Law for an offence involving moral turpitude in relation to business dealings. If Bidder/ partner/ director is/are/were blacklisted/ deregistered/stopped or banned from dealing in past by Govt, of AP

undertaking/Dept/Authority and GOV supported companies /undertaking. Organization, bid of that party liable to be rejected. Bidder agrees and undertakes to accept decision of NREDCAP in this regard. Bidder shall have to submit "Declaration of contractual Litigations in this regard.

Bidder to submit an Undertaking along with the Bid. Bidder having on-going legal dispute/arbitration with NREDCAP shall not eligible to participate.

The bidder should meet all the above eligibility criteria as on the bid due date. The bids of only those bidders, who meet the Bidder's Eligibility Criteria, will be considered for further evaluation.

Notwithstanding anything stated above NREDCAP reserves the right to verify all statements/information submitted to confirm the Bidder's claim on experience and to assess the Bidder's capability and capacity to perform the contract should the circumstances warrant such an assessment in the overall interest of the project.

Further, notwithstanding the above, NREDCAP reserves the right to accept or reject any BID and to annul the process of submission of BID and reject all or any BID, at any time without assigning any reason thereof. NREDCAP shall not in no way responsible or liable for any loss, damage or inconvenience caused to the rejected Applicants whatsoever. NREDCAP shall be under no obligation to inform the affected Applicants of the rejection and / or ground for rejection.

Payment Terms:

Payment shall be released on quarterly basis as follows:

1. 50% of the contract value for the period of three months (quarterly) shall be paid in advance and
2. Balance 50% of the contract value shall be paid after the period of three months (quarterly).

III. Term:

The contractor shall commence performance of the services from **01.10.2023** or any other date stipulated by NREDCAP and such performance shall continue for five consecutive years.

IV. Validity:

The offer submitted shall be valid for a period of Three (3) months from the date of submission of sealed tender.

V. Bid Submission:

The proposal including all documents shall be signed by the contractor / duly authorized representative of the company. The Technical and Financial proposals shall be submitted in single cover. Proposal shall be accepted manually and proposals received through emails or any electronic means shall not be accepted.

Intending bidders should submit their proposals on or before 12.09.2023. All documents shall be received only through manually to the below address:

Address: #12-464/5/1, River Oaks Apartment, CSR Kalyana Mandapam Road, Tadepalli. Guntur District - 522501, Andhra Pradesh, India

The Technical & Financial offers shall be submitted separately in sealed cover duly subscribing ***“Comprehensive Operation & Maintenance of NREDCAP owned 5.95 MW capacity wind power project at Rekulakunta site in Andhra Pradesh for 5 years”***

Cover No.1

This cover shall contain,

- i. Copy of certificates in proof of experience, documents related to financial criterial and other eligible conditions and any other documents specified an attested copy of PAN /TAN card of the Authorized Signatory / Firm shall be uploaded.
- i. Copy of signed tender document.

Cover No.2

Quoted Price bid (BOQ)

All proposals must be submitted before closing date and time. The proponent is advised to submit earlier to the due date and time to avoid last minute hitches.

The proponents shall note that the bid documents other than the mode specified will not be accepted and summarily rejected without notice.

All proposals shall acknowledge any addenda, which have been issued. It is the responsibility of the Proponent to determine if there were any addenda. The Proponent shall not change the wording of his proposal once submitted.

VI. EMD:

The bidder shall submit the sealed offer indicating the financial and technical details along with **EMD of Rs. 25,000/-** and **processing fee of Rs. 5,000/- plus GST @ 18%** in the form of Demand Draft drawn in favour of NREDCAP Ltd., payable at Tadepalli/Vijayawada on or before the deadline, to the address mentioned below:

The VC & Managing Director, New & Renewable Energy Development Corporation of AP Ltd., 12-464/5/1, /River Oaks Apartments, CSR Kalyana Mandapam Road, Tadepalli, Guntur District, Andhra Pradesh – 522 501.

Or online transfer to the below NREDCAP bank details:

- | | | | |
|------|------------------|---|---------------------------------|
| i. | Name of the Bank | : | State Bank of India |
| ii. | Account No | : | 5218 8926 870 |
| iii. | Branch Name | : | Tadepalli, Guntur Dist, 522501. |
| iv. | IFSC Code | : | SBIN0012870 |

VII. Location Details:

Owner: New and Renewable Energy Development Corporation of Andhra Pradesh Ltd. (NREDCAP)

No of WTGs: 07

WTG Make: M/s. Siemens Gamesa Renewable Power Pvt. Ltd.
(Formerly M/s. Gamesa Wind Turbines Pvt. Ltd.)

WTG Model/ Capacity: G58 / 850 KW

Date of Commissioning: 29.03.2012

VIII. Price Schedule:

Sl. No.	Item	Price Per WTG (Rs)	Total Price for 7 WTGs (Rs.)
1	COMC - Comprehensive Operation and Maintenance of GAMESA Make - G58 Model – 850 KW Wind Turbine		
2	Taxes		
3	Grand Total		

IX. LIST OF ATTACHMENTS

S.NO	ANNEXURES	PARTICULAR OF THE ATTACHMENT
Cover 1: Technical Proposal		
1		Annexure 1 : Summary of Work Experience along with relevant proofs
2		Annexure 2 : Details of experience in Wind-Power for each Wind Power Plant
3		Company documents like i. Registration Certificate, ii. GST, iii. Pan, iv. Net worth duly certified by CA and v. Average Annual Turn Over duly certified by CA.
Cover 2: Financial Proposal		

VC & Managing Director

SUMMARY OF WORK EXPERIANCE

I. SUMMARY OF LIST OF WORKS COMPLETED IN THE LAST THREE FINANCIAL YEARS AS ON DATE OF SUBMISSION OF TENDER

Sl. No	Description of the Work & contract No.	Contract Awarded by	Contract Value	Date of contract awarded	Date of completion as per agreement	Date of commencement of work	Actual completion Date	Final value of Contract

II. SUMMARY OF WORKS ON HAND

Sl. No.	Description of Work & contract no.	Contract Value	Date of contract awarded	Approximate value of Balance work yet to be done

- Note:**
1. Supportive documents/ certificates from the Organizations with whom they worked/are working should be enclosed.
 2. Certificates from private individuals for whom such works are executed/ beingexecuted shall not be accepted.

Seal of the Company

Signature of contractors

**PROFORMA FOR DETAILS OF EXPERIENCE IN WIND ENERGY BASED
POWER PROJECT IN LAST THREE YEARS AS ON DATE OF SUBMISSION
OF TENDER**

(Separate Sheet for each Wind Power Plant)

Sl. No.	Description	
1	Name of works, Buyer's address and contact person with Telephone Number	
2	Detailed scope of Work	
3	Type of Plant & Machines used (only for major components)	
4	Capacity of the Plant, No. of WTGs with capacity and height of Tower	
5	Whether O & M is being looked after, period of O&M Contract	
6	Completion time as per contract	
7	Actual completion time and year of completion	
8	Reasons for delay, if any	
9	Period of successful operation	
10	Copy of work order, completion certificate and satisfactory performance certificate from the clients for the above mentioned work are enclosed	
11	Actual generation achieved per machine per year (month-wise)	
12	Generation offered per year against col.11 at the time of taking order.	
13	Additional information, if any,	

Seal of the Company

Signature of contractors

Note: The contractors shall furnish documentary evidence such as copies of award of contract, completion/ performance certificate from clients/ customers, in support of the above stipulated technical details of experience along with tender document.