

DESIGN, FABRICATION, SUPPLY, TRANSPORTATION, CIVIL WORKS, INSTALLATION AND COMMISSIONING INCLUDING 12 MONTHS OPERATION & MAINTENANCE OF 120/150 MTR. TALL LATTICE MASTS (WRA) ALONG WITH ALLIED WIND DATA MEASURING INSTRUMENTS

CHIEF PROJECT MANAGER (RE)

GRIDCO LIMITED | Regd. Office: Janpath, Bhubaneswar, 751022



GRIDCO LIMITED

Regd. Office: Janpath, Bhubaneswar, 751022

e-Tender Notice

e-Tender Notice No.: 04/2023-24

Dated: 11.03.2024

GRIDCO invites bids in e-Tender mode only from reputed and eligible bidders for “Design, fabrication, supply, transportation, civil works, installation and commissioning including 12 Months Operation & Maintenance of 120 Mtr. and 150 Mtr. tall lattice masts along with allied wind data measuring instruments at 6 (Six) locations in the state of Odisha” confirming to the terms and conditions mentioned in the tender document.

The interested bidders would be required to enroll themselves on the e-tender portal www.tenderwizard.com/GRIDCO. Complete set of bidding documents are available at the tender portal, www.tenderwizard.com/gridco or GRIDCO website: www.gridco.co.in from 11.03.2024 for downloading the scope of supply and terms and conditions in detail. Last date for submission of bid is 11.04.2024, 13:00 Hrs. The due date & time of opening of techno-commercial bid shall be 17.00 Hrs. on 11.04.2024.

N.B: - All subsequent addendums/corrigendum to the tender shall be hosted in GRIDCO’s official web site <https://www.gridco.co.in/> www.greenenergyinvest.odisha.gov.in and www.tenderwizard.com/gridco only. The authority reserves the right to accept or reject any or all the offers without assigning any reason thereof.

Chief Project Manager (RE)

RE Nodal Agency, GRIDCO

CONTENTS

SECTION-I	4
PREFACE	4
SECTION-II	7
INSTRUCTIONS TO BIDDERS (ITB)	7
SECTION-III	36
BID DATA SHEET (BDS)	36
SECTION-IV	39
ELIGIBILITY CRITERIA	39
SECTION-V	43
DURATION OF PROJECT AND SCOPE OF SERVICES	43
SPECIAL CONDITION OF CONTRACT (RENTAL MODEL)	48
PROPOSED METHODOLOGY AND WORK PLAN	56
SECTION-VI	58
PAYMENT TERM	58
SECTION-VII	60
EVALUATION OF BID	60
SECTION-VIII	61
GENERAL CONDITIONS OF CONTRACT (GCC)	61
SECTION-IX	83
BIDDING FORMS	83
POWER OF ATTORNEY	85
NO BLACKLISTING CERTIFICATE	89
UNDERTAKING	90
COMPANY'S FINANCIAL INFORMATION	91
COMPANY'S NET-WORTH INFORMATION	92
PROOF OF EXPERIENCE OVER 5 YEARS	93
PROJECT MANAGEMENT EXPERIENCE	94
PRIOR EXPERIENCE WITH ODISHA POWER SECTOR	95
PRICE PROPOSAL (TO BE SUBMITTED ON FIRM'S LETTERHEAD)	96
PRICE PROPOSAL FOR WRA ON TURNKEY BASIS	97
PRICE PROPOSAL FOR WRA ON RENT BASIS	98
SECTION-X	99
TECHNICAL SPECIFICATION	99

ANNEXURE - A: ANEMOMETER SENSOR WITH CALIBRATION	106
ANNEXURE - B: TEMPERATURE & HUMIDITY SENSOR WITH RADIATION SHIELD	108
ANNEXURE-C: DATA LOGGER WITH COMMUNICATION DEVICE.....	110
ANNEXURE- 1: CONTRACT FORM	113
ANNEXURE- 2: CONTRACT PERFORMANCE BANK GUARANTEE	115
ANNEXURE- 3: INDEMNITY & INSURANCE	118
ANNEXURE-4: DOCUMENTS TO BE UPLOADED	119
ANNEXURE-5: TECHNICAL COMPLIANCE SHEET.....	120
APPENDIX-I: E-TENDER LOGIN AND BID SUBMISSION GUIDELINES	121
APPENDIX-II: PROPOSED SITE DETAILS	123

SECTION-I

PREFACE

GRIDCO intends to engage experienced agency for Design, fabrication, supply and transportation, civil works, installation and commissioning including one year Operation & Maintenance of 120/150 Mtr. tall lattice masts along with allied wind data measuring instruments at 6 (Six) locations in the state of Odisha.

1.1 ABOUT GRIDCO:

GRIDCO Limited, a wholly owned Undertaking of Government of Odisha, was established in the year 1995. It is a deemed trading licensee under the 5th provision of Section-14 of the Electricity Act, 2003 and carries out the business of bulk supply of Electricity to the Distribution Companies of Odisha by utilizing the transmission network of Odisha Power Transmission Corporation Limited (OPTCL). Being the “State Designated Entity”, Govt. of Odisha has assigned GRIDCO to avail the entire State share of Power from the Central Sector as well as the existing & Up-Coming Power Plants (Hydel, Thermal, Renewable etc.) in the State.

1.2 ODISHA RENEWABLE ENERGY POLICY, 2022

Odisha is endowed with vast and largely untapped renewable energy potential. With RE becoming commercially viable and growing trend towards adoption of low carbon and sustainable ways of development, citizens and businesses are now focused on RE to meet their energy needs.

Odisha is among the leading industrialised states in the country and a continuous increase in energy demand from all sectors is expected in the years to come. There is clear demand for RE from the DISCOMs and the industries due to RPO and Net Zero commitments. It is desirable that these obligated entities meet most of its RE requirement from projects developed inside the State. Hence, the Government has formulated a new RE Policy to facilitate development of commercially viable projects across multiple RE technologies within the State both for captive and open access consumption.

1.3 NODAL AGENCY

1.3.1 The Odisha Renewable Energy Policy, 2022 was notified on 30.11.2022 vide gazette notification No. 11757-ENG-HYD-HYDRO-0009/2022/En. to promote development of renewable energy projects in the state. As per Para 25.2 of the Odisha RE Policy, the Department of Energy was mandated to designate an entity as the Nodal Agency who shall be responsible for implementation of the RE Policy and development of all renewable energy projects in the State.

1.3.2 Department of Energy, Government of Odisha vide letter no. 12284/En. dated 15.12.2022, has designated GRIDCO as the Nodal Agency for implementation of the RE Policy and has entrusted GRIDCO to discharge all the roles and responsibilities assigned to the Nodal Agency as per Para 25.3 of the Policy.

1.4 PROJECT OBJECTIVES:

- 1.4.1 Determine or verify whether sufficient wind resources exist within the area to justify further site-specific investigations.
- 1.4.2 Obtain representative data for estimating the performance and/or the economic viability of selected wind turbines
- 1.4.3 Screen for potential wind turbine installation sites.

SECTION-II

INSTRUCTIONS TO BIDDERS (ITB)

A. General			
1	Scope of the Bid	1.1	<p>In terms of the Invitation for Bids as indicated in the Bid Data Sheet (BDS) in Section-III, GRIDCO invites bids under single stage two-bid system Design, fabrication, supply and transportation, civil works, installation and commissioning including one year Operation & Maintenance of 120 and 150 Mtr. tall lattice masts along with allied wind data measuring instruments at 6 (Six) locations in the state of Odisha as detailed in the Scope of Work at Section -V.</p> <p>The intending Bidder shall follow the Bid Data Sheet at Section-III for detailed Tendering Schedule.</p>
2	Eligible Bidders	2.1	<p>The bidder, who meets the qualifying requirement as per Section-IV shall be eligible for this tender;</p>
3	Joint Venture/Consortium	3.1	<p>Not applicable</p>
4		4.1	<p>The Bidder must furnish;</p>

	<p>Documentary Evidence</p>	<p>a. Self-attested copy of the Certificate of Incorporation/Registration Certificate/ Certificate of Commencement of Business.</p> <p>b. Self-attested copy of GSTIN Registration Certificate.</p> <p>c. Self-attested copy of PAN Card</p> <p>d. RfP Submission Sheet on Firm's Letter Head as per Format F/01.</p> <p>e. Duly notarized Power of Attorney in original of the signatory of the Bid to commit the Bidder as per Format-F/02</p> <p>f. Undertaking (self-certificate) that the bidder is not presently banned /de-listed/ blacklisted / debarred either by Central Government / State Government / Union Territory / PSU / Government Department in India, or any entity controlled by them in India as per the format provided in Format-F/03</p> <p>g. Undertaking (self-certificate) that the bidder neither failed to perform on any agreement nor been expelled from any project or agreement nor have had any agreement terminated for breach of contract by such bidder during the last 05 years as per the format provided in Format-F/04</p>
--	-----------------------------	---

			<p>h. Copy of annual Audited balance sheets and profit and loss statements for the last three financial years (i.e., FY 2020-21, FY 2021-22 & FY 2022-23) along with CA Certificate indicating minimum average annual turnover of INR 18.00 Crores (Indian Rupees Eighteen Crore only) from the services of installing wind resource assessment system during the last three financial years i.e., FY 2020-21, FY 2021-22 & FY 2022-23 in attached format as per Format-F/05</p> <p>i. CA Certificate indicating net worth of the company during the last three financial years (i.e., FY 2020-21, FY 2021-22 & FY 2022-23) in attached format as per Format-F/06</p> <p>j. Copy of work order of projects undertaken in any State Govt./ State PSUs/ Central Govt./ Central PSUs / Regulatory Commission / Other Power Entities mentioning the nature of work and the period during which the work was done/ is to be done. The above documents to be submitted as enclosure to the attached format as per Format-F/07.</p>
		4.2	Non-compliance to the above requirement even after seeking necessary clarification shall constitute the offer as non-responsive.
B. Contents of Bidding Document			

5	Sections of the Bidding Document	5.1	<p>The Bidding Document consists of 10 sections as indicated below and should be read in conjunction with any Addenda issued in accordance with ITB Clause-7.</p> <p>Section-I-Preface</p> <p>Section-II-Instructions to Bidders (ITB)</p> <p>Section-III-Bid Data Sheet (BDS)</p> <p>Section-IV-Eligibility Criteria</p> <p>Section-V-Duration of Project and Scope of Services</p> <p>Section-VI- Payment Term</p> <p>Section-VII- Evaluation of Bid</p> <p>Section-VIII-General Conditions of Contract (GCC)</p> <p>Section-IX-Bidding Forms</p> <p>Section-X- Technical Specification</p>
		5.2	<p>GRIDCO is not responsible for the completeness of the Bidding Document and its addenda, if they were not obtained directly from GRIDCO.</p>
		5.3	<p>The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the Bid.</p>
		5.4	<p>A prospective Bidder is also expected to examine all instructions, forms, terms and</p>

			specifications in the e-Bid documents and fully inform himself as to all the conditions and matters which may in any way affect the scope of work or the cost thereof. Failure to furnish all information or uploading of the bid in the Tender Portal of GRIDCO not in line with the e-Bid document/ e-tendering documents will render the bidder as substantially not responsive at the Bidder's risk and may result in the rejection of its bid.
6	Clarifications on Bidding Document	6.1	Bidders may seek clarifications in writing relating to preparation and submission of bids, scope of works, GCC etc. prior to the Pre-bid conference. Such requests will be submitted at least 2 days (excluding the date of Pre-bid meeting) before the date of Pre-bid meeting. Bidders' queries will be discussed in the pre-bid conference. The explanations to the queries and/or addenda to the RfP document shall be published in the website of GRIDCO i.e. www.gridco.co.in
		6.2	The pre-bid conference shall be held as per the schedule mentioned in the Bid Data Sheet - Section-III.
		6.3	No clarification shall be entertained after the pre-bid conference.
7	Amendment of Bidding Document	7.1	At any time prior to the deadline for submission of the Bids, GRIDCO may amend the Bidding

			Document by giving reasonable time and issuing addenda.
		7.2	Any addendum issued shall be part of the Bidding Document. The bidder shall visit GRIDCO's website for any addendum / modification / errata / corrigendum etc.
		7.3	GRIDCO, at its discretion for any reason at its own initiative may add, modify or remove any element of the Services entirely or any part thereof from the bid document till the time of deadline for submission of bid. All bidders will be notified of any such change.
		7.4	In order to provide prospective Bidders reasonable time to take the amendments into account in preparing their bids, GRIDCO may, at its discretion, extend the last date for the submission of Bids.
		7.5	Any addendum issued shall be part of the Bidding Document and shall be hosted in GRIDCO's website.
C. Preparation of Bids			
8	Cost of Bid preparation	8.1	The Bidder shall bear all costs associated with the preparation and Cost of submission of its Bid and GRIDCO shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

		8.2	A demand draft amounting to Rs.10,000/- (Ten Thousand) only plus GST @18% extra in favour of “GRIDCO Limited” payable at “Bhubaneswar” or through online mode towards the cost of the bid document shall be furnished at the time of submission of RfP document downloaded from website. The downloaded RfP documents will be accepted by GRIDCO only if it is supported by the demand draft towards cost of bid document or UTR No. or documentary proof of payment. (Bank payment details are provided at Section III-BDS-Clause 9).
9	Language of Bids	9.1	The Bid, as well as all correspondences and documents relating to the Bid exchanged between the Bidder and GRIDCO, shall be written in English.
10	Documents comprising Bid	10.1	The Bid shall comprise two envelopes submitted separately, one containing the Techno-Commercial Proposal and the other containing the Price Proposal, which shall be evaluated in two stages.
		10.2	The first envelope shall contain the Techno-Commercial Proposal. The second envelope shall contain the Price Proposal. Both the envelopes shall be sealed inside a bigger envelope, clearly mentioning the name

			and address of the Bidder, RfP identification No., and the authority to whom the Bid is being submitted to.
		10.3	<p>During Stage-1 of the evaluation, the Techno-Commercial Proposals shall be opened as per ITB Sub-Clause-23.1 & at the address, date and time specified in the BDS, Section-III. Bidder shall not be allowed to modify/amend/change the Techno-Commercial Proposal after submission of the Bid, unless otherwise specifically asked by GRIDCO.</p> <p>The Techno-Commercial Proposals which do not conform to the specified requirements will be rejected as non-responsive Bids.</p>
		10.4	<p>During Stage-2 of the evaluation, Price bids of Techno-Commercially successful bidders shall be opened at the date and time and place as intimated by GRIDCO.</p>
		10.5	The Bidder who quotes lowest price without any deviations in the scope of work shall be considered for awarding the work.
		10.6	<p>The Techno-Commercial Proposal should be submitted along with:</p> <p>a) Techno-Commercial Proposal Submission Forms;</p> <p>b) Cost of Tender Documents for Rs. 10,000/- (Rupees Ten Thousand) only plus GST @18%</p>

			<p>in shape of Demand Draft issued in favour of “RE NODAL AGENCY” and payable at Bhubaneswar, Odisha or through online mode.</p> <p>c) Bid Security for Rs. 3,50,000/- (Rupees Three lakh fifty thousand) only, in the form of Demand Draft issued in favour of “RE Nodal Agency” and payable at Bhubaneswar, Odisha, only issued by a scheduled bank, or through online mode in which case UTR no. or documentary proof of payment to be provided in accordance with ITB Clause-17; (Bank payment details are provided at Section III-BDS-Clause 9).</p> <p>d) Power of Attorney authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB Clause-18.1.</p> <p>e) Documentary evidence in accordance with ITB Clause -15 establishing the Bidder’s eligibility to bid.</p> <p>f) Documentary evidence in accordance with ITB Clauses - 4.1 and 26, that the Services conform to the Bidding Document.</p> <p>g) Any other document required in the BDS.</p>
		10.7	<p>The Price Proposal should include the following:</p> <p>a) Price Proposal Submission Sheet and the applicable Price Schedules in FORM- P-1 & P-2 of Section-IX (Bidding Forms), in accordance with ITB Clauses-11, 13 and 14.</p>

			b) any other document required in the BDS.
		10.8	<p>In addition to hard copy submissions, there shall be 2 bid forms (In .XLS Format) to be mandatorily uploaded as e-bid in the tender wizard portal. The bid forms are as follows:</p> <ul style="list-style-type: none"> • Techno-commercial Formats • Financial bid Formats <p>The Bidder shall upload documents/ Schedules in support of the qualifying requirement along with the bid (Techno-Commercial Bid: Part-I & Price Bid: Part-II)</p>
11	Bid Submission Sheets and Price Schedules	11.1	The Bidder shall submit the Techno-Commercial Proposal and the Price bid using the appropriate Submission Sheets provided in Section-IX (Bidding Forms). These forms must be completed without any alterations to their format, and no substitute shall be accepted. All blank spaces shall be filled in with the information requested. The Bidder shall submit, as part of the Price Proposal, the Price Schedules for Services, using the forms furnished in Section- IX (Bidding Forms).
		11.2	<p>The Bidders should take note of following points while submitting the Price Proposal:</p> <p>a) Price Proposal should clearly indicate the price to be charged without any qualifications.</p> <p>b) GST as applicable shall be paid extra as per prevailing rate.</p>

12	Alternate Bids	12.1	Alternate Techno-Commercial and /or Price bids shall be rejected.
13	Bid Prices and Discounts	13.1	The prices quoted by the Bidder in the Price Proposal Submission Sheet and in the Price Schedules shall conform to the requirements specified therein.
		13.2	Prices quoted by the Bidder must be firm and final and shall remain constant throughout the period of the contract and shall not be subject to any variation except GST.
		13.3	The bidders are advised not to indicate any separate discount. Discount, if any, should be merged with the quoted prices. Discount of any type, indicated separately, will not be taken into account for evaluation purpose. However, in the event of such an offer if it is found to be the lowest without considering the separate discount, GRIDCO shall avail such discount at the time of award of contract provided such discount is un-conditional.
14	Currencies for the Bid	14.1	Bidders shall express their bid price in Indian Rupees only.
15	Documents Establishing the Qualification of the Bidder	15.1	To establish its qualifications to perform the Contract, the Bidder shall submit as part of its Techno-commercial proposal, the evidence indicated for each qualification criteria specified in Section-IV (Eligibility Criteria)
16	Period of validity of Bids	16.1	Bids shall remain valid for such period as mentioned in BDS after the bid submission deadline date prescribed by GRIDCO. A Bid

			valid for a shorter period shall be rejected by GRIDCO as non-responsive.
		16.2	In exceptional circumstances, prior to the expiration of the bid validity period, GRIDCO may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing.
17	Bid Security	17.1	The Bidder shall furnish as part of its Techno-commercial Proposal, a Bid Security (EMD) in form of Demand Draft for an amount of Rs.3,50,000/- (Rupees Three lakh fifty thousand) only in favour of "RE NODAL AGENCY" payable at Bhubaneswar, Odisha only issued by a Scheduled Bank or through online mode in which case UTR No. or documentary proof of payment to be provided at the time of submission of techno-commercial bid. (Bank payment details are provided at Section III-BDS-Clause 9).
		17.2	Any Bid not accompanied by Bid Security in accordance with ITB Sub- Clause-17.1, shall be rejected by GRIDCO as non-responsive.
		17.3	The Bid Security of unsuccessful Bidders shall be returned after signing of the Contract and submission and acceptance of CPBG (Contract Performance Bank Guarantee) by the successful bidder.
		17.4	The successful Bidder has to furnish the required Contract Performance Bank Guarantee before the signing of the Contract. The bid security of successful bidder shall be returned

			after acceptance of Contract Performance Bank Guarantee by GRIDCO.
		17.5	<p>The Bid Security may be forfeited, if the successful Bidder fails to:</p> <p>a) Acknowledge the Letter of Award within the stipulated period.</p> <p>b) Sign the Contract in accordance with ITB Clause-37;</p> <p>c) Furnish a Contract Performance Bank Guarantee in accordance with ITB Clause-38; or,</p> <p>d) Accept the correction of its Bid Price pursuant to ITB Sub-Clause- 27.3 and 27.4.</p>
18	Format of Bid	18.1	<p>The Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. The Bidder shall submit a duly notarized Power of Attorney in original of the signatory of the Bid to commit the Bidder as specified in Bid Form -2 and shall be attached to the Bid.</p> <p>The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Bid, amended printed literature, shall be signed or initialed by the person signing the Bid.</p>
		18.2	Any interlineations, erasures or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.
		D. Submission and Opening of Bids	

19	Submission of Bids	19.1	Bidders are required to submit their bids both in hard copy as well as soft copy.
		19.2	<p>For hard copy submission:</p> <p>Bidder shall enclose the Techno-Commercial Proposal in a sealed envelope, duly marking the envelopes as “TECHNO-COMMERCIAL PROPOSAL”. The envelope containing the Techno-Commercial Proposals shall bear a warning not to open before the time and date for the opening of Techno-commercial Proposals</p> <p>The Bidder shall enclose the Price Proposal in a separate sealed envelope, duly marking the envelopes as “PRICE PROPOSAL”. The envelope containing the Price Proposals shall bear a warning not to open until advised by GRIDCO</p> <p>These envelopes shall then be enclosed in one single envelope.</p>
		19.3	<p>The inner and outer envelopes shall:</p> <p>a) bear the name and address of the Bidder;</p> <p>b) be addressed to GRIDCO in accordance with ITB Sub-Clause - 20.1</p>
		19.4	If all envelopes are not sealed and marked as required, GRIDCO will assume no responsibility for the misplacement or premature opening and resultant disqualification of the bid.
		19.5	<p>For soft copy submission:</p> <p>The bidder shall also submit the bid in Electronic Mode i.e. with tender website</p>

			<p>www.tenderwizard.com/gridco . The bidder must ensure that the bids are received in the specified tender website of GRIDCO by the date and time indicated in the Tender notice.</p> <p>Complete details regarding the procedure to upload the bids in the tender wizard portal is provided in the Appendix-I.</p>
20	Deadline for submission of Bids	20.1	Bids must be received by GRIDCO not later than the date and time, and at the address indicated in the BDS-Section-III.
		20.2	GRIDCO may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Document in accordance with ITB Clause-7, in which case all rights and obligation of GRIDCO and Bidders as existing before extension of the deadline will be applicable until the extended deadline.
21	Late Bids	21.1	GRIDCO shall not consider any Bid that is received after the deadline for submission of Bids, in accordance with ITB Clause-20. Any Bid received by GRIDCO after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder.
22	Withdrawal, Substitution and Modification of Bids	22.1	<p>No Bid shall be withdrawn, substituted, or modified after the deadline for submission of bids.</p> <p>However, a Bidder may withdraw, substitute, or modify its Bid under the following situation;</p>

			<ol style="list-style-type: none"> 1. Before expiry of the bid validity period as per ITB. 2. Any changes to the scope of work after submission of bid document. 3. Any changes in the bidding documents after submission of bid document. 4. If the due date of the submission has been extended by the GRDICO after submission of bid document. <p>Such withdrawal, substitution, or modification shall be submitted by the bidder by sending a written letter, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB Sub-Clause-18.2. The corresponding substitution or modification or withdrawal of the bid must accompany the respective written notice. All Notices must be:</p> <ol style="list-style-type: none"> a) submitted in accordance with ITB Clauses-18 and 19 and in addition, the respective inner and outer envelopes shall be clearly marked "Withdrawal," "Substitution," "Modification"; and, b) received by GRIDCO prior to the deadline prescribed for submission of bid.
23	Bid opening	23.1	<p>GRIDCO shall conduct the opening of Techno-Commercial Proposals in the presence of Bidders' representatives who choose to attend, at the address, date and time specified in the BDS.</p>

		23.2	<p>The Price Proposals will remain unopened and will be held in custody of GRIDCO until the time of opening of Price Proposals. GRIDCO shall advise the Techno-Commercially qualified bidders in writing about the date, time, and location of the opening of Price Proposals.</p>
		23.3	<p>First, envelopes marked "WITHDRAWAL" shall be opened, read out and recorded, and the envelope containing the corresponding Bid shall not be opened, but returned to the Bidder.</p> <p>No Bid shall be withdrawn unless the corresponding Withdrawal Notice contains a valid authorization to request the withdrawal and is read out and recorded at bid opening.</p>
		23.4	<p>Next, outer envelopes marked "SUBSTITUTION" shall be opened. The inner envelopes containing the Substitution Techno-Commercial Proposal or Substitution Price Proposal shall be exchanged for the corresponding envelopes being substituted, which are to be returned to the Bidder unopened.</p> <p>The Substitution Techno-Commercial Proposal, if any, shall be opened, read out, and recorded. The Substitution Price Proposal, if any, will remain unopened in accordance with ITB Sub-Clause-23.2.</p>

			<p>No envelope shall be substituted unless the corresponding Substitution Notice contains a valid authorization to request the substitution and is read out and recorded at bid opening.</p>
		23.5	<p>Next, outer envelopes marked "MODIFICATION" shall be opened. No Techno-Commercial Proposal or Price Proposal shall be modified unless the corresponding Modification Notice contains a valid authorization to request the modification and is read out and recorded at the opening of Techno-Commercial Proposals. The Techno-Commercial Proposals, both Original as well as Modification, are to be opened, read out, and recorded at the time of opening. The Price Proposals, both Original as well as Modification, will remain unopened in accordance with ITB Sub-Clause 23.2.</p>
		23.6	<p>All other envelopes holding the Techno-Commercial proposals of the bidder shall be opened one at a time, and the following read out and recorded:</p> <ul style="list-style-type: none"> a) the name of the Bidder; b) whether there is a modification or substitution; c) the presence of a Bid Security and proof of purchase of bid document; d) any other details as GRIDCO may consider appropriate. e) Only Techno-Commercial Proposals of those bidders read out and recorded at bid opening shall be considered for evaluation.

			f) No Bid shall be rejected at the opening of Techno-Commercial Proposals except for late bids or bid not accompanied with bid security in accordance with ITB Sub-Clause - 21.1 and Clause-17.
		23.7	GRIDCO shall prepare a record of the opening of Techno-Commercial Proposals that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, modification; and the presence or absence of a Bid Security & Cost of the Bid Document. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidders signature on the record shall not invalidate the contents of the record.
		23.8	The date, time, and location of the opening of Price Proposals will be intimated to respective Techno-Commercially qualified bidders in writing by GRIDCO. Bidders shall be given reasonable notice of the opening of Price Proposals.
		23.9	GRIDCO shall conduct the opening of Price Proposals of all Techno-Commercially qualified bidders who submitted Price Proposals, in the presence of Bidders' representatives who choose to attend at the address, date and time specified by GRIDCO. The Bidder's representatives who are present shall be requested to sign a register/note-sheet evidencing their attendance.

			The results of the Price Bids of all Bidder(s) shall also be available on GRIDCO's e-Tendering Portal immediately after the completion of opening process.
		23.10	<p>All Price Proposals shall be opened one at a time, and the following read out and recorded:</p> <ul style="list-style-type: none"> a) the name of the Bidder; b) whether there is a modification or substitution; c) the bid prices; d) any other details as GRIDCO may consider appropriate. <p>Only Price Proposals read out and recorded at bid opening shall be considered for evaluation.</p>
		23.11	<p>GRIDCO shall prepare a record of the opening of Price Proposals that shall include, as a minimum, the name of the Bidder and the Bid Price. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidders signature on the record shall not invalidate the contents and effect of the record.</p>
E. Evaluation and Comparison of Bids			
24	Confidentiality	24.1	Information relating to the examination, evaluation, comparison, and post qualification of Bids, and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process.

		24.2	Any attempt by a Bidder to influence GRIDCO in the examination, evaluation, comparison, and post qualification of the Bids or Contract award decisions may result in the rejection of its Bid.
		24.3	Notwithstanding ITB Sub - Clause - 24.2, from the time of opening the Techno-Commercial Proposals to the time of Contract award, if any, Bidder wishes to contact GRIDCO on any matter related to the bidding process, it should do so in writing.
25	Clarification of Bids	25.1	To assist in the examination, evaluation, comparison and post-qualification of the Bids, GRIDCO may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder that is not in response to a request by GRIDCO shall not be considered. GRIDCO's request for clarification and the response shall be in writing.
26	Responsiveness of Techno-Commercial Proposals	26.1	GRIDCO's determination of the responsiveness of a Techno-Commercial Proposal is to be based on the contents of the Techno-Commercial Proposal itself.
		26.2	<p>A substantially responsive Techno-Commercial Proposal is one that conforms to all the terms, conditions, and specifications of the Bidding Document without material deviation, reservation, or omission.</p> <p>A material deviation, reservation, or omission is one that:</p>

			<p>a) affects in any substantial way the scope, quality, or performance of the Services specified in the Contract; or</p> <p>b) limits or is inconsistent in any substantial way, with the Bidding Document, GRIDCO's rights or the Bidder's obligations under the Contract; or</p> <p>c) if not rectified would unfairly affect the competitive position of other Bidders presenting substantially responsive Techno-Commercial Proposals.</p>
		26.3	<p>If a Techno-Commercial Proposal is not substantially responsive to the Bidding Document, it shall be rejected by GRIDCO and shall not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.</p>
		26.4	<p>The bidders may submit bid with non-material deviations (which means only those deviations that do not qualify as material deviations as defined in Clause-26.2). Such deviations will be checked and considered. If the deviations proposed are found material in nature, GRIDCO reserves the right to reject such bids. GRIDCO may also ask bidders for clarifications on such deviations during the evaluation.</p>
27	Non-conformities, errors and omissions	27.1	<p>Provided that a Techno-Commercial Proposal is substantially responsive, GRIDCO may waive any non-conformity or omission in the Bid that does not constitute a material deviation.</p>
		27.2	<p>Provided that a Techno-Commercial Proposal is substantially responsive, GRIDCO may request</p>

			<p>that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial, non-conformities or omissions in the Techno-Commercial Proposal related to documentation requirements. Failure of the Bidder to comply with the request may result in the rejection of its Bid.</p>
		27.3	<p>Provided that the Techno-Commercial Proposal is substantially responsive, GRIDCO will correct arithmetical errors during evaluation of Price Proposals on the following basis:</p> <p>a) if there is a discrepancy between words and figures, the amount in words shall prevail. However, where the amount expressed in words is related to an arithmetic error, the amount in figures shall prevail.</p> <p>b) Except as provided in sub-clauses (a) herein above, GRIDCO shall reject the Price Proposal if the same contains any other computational or arithmetic discrepancy or error.</p>
		27.4	<p>If the Bidder has submitted the lowest evaluated Bid and does not accept the correction of errors, its Bid shall be disqualified, and its Bid Security shall be forfeited.</p>
28	Preliminary Examination of Bids	28.1	<p>GRIDCO shall examine the Techno-Commercial Proposal to confirm that all documents and Techno-Commercial documentation requested in ITB Sub-Clause 10.3 have been provided, and to determine the completeness of each document submitted.</p>

		28.2	GRIDCO shall confirm that the Techno-Commercial Proposal Submission Sheet in accordance with ITB Sub- Clause-11.1, written confirmation of authorization to commit the Bidder and Bid Security, have been provided in the Techno-Commercial Proposal. If any of these documents or information is missing, the offer shall be rejected.
29	Examination of Terms and conditions; Techno-Commercial Evaluation	29.1	GRIDCO shall examine the Bids to confirm that all terms and conditions specified in the GCC have been accepted by the Bidder without any material deviation or reservation.
		29.2	GRIDCO shall evaluate the Techno-Commercial aspects of the Bid submitted to confirm that all requirements specified in the Eligibility Criteria at Section-IV, of the Bidding Document have been met without any material deviation or reservation.
		29.3	If, after the examination of the terms and conditions and the Techno-Commercial evaluation, GRIDCO determines that the Techno-Commercial Proposal is not substantially responsive in accordance with ITB Clause-26, it shall reject the Bid.
30	Evaluation of Bids	30.1	GRIDCO shall evaluate Price Proposals of those Bids for which the Techno-Commercial Proposals have been determined to be substantially responsive.
		30.2	To evaluate a Price Proposal, GRIDCO shall use all the criteria defined in Section-IV (Eligibility Criteria) and methodologies defined in

			Section-VII (Evaluation of Bid). No other criteria or methodology shall be adopted.
		30.3	To evaluate a Price Proposal, GRIDCO shall consider the following: a) The total lump sum price quoted in Price Proposal in Form-P-2 including taxes and duties, overheads, out of pocket expenses, travel, boarding, lodging, visits and discount etc. b) GST shall not be considered for the purpose of evaluation.
31	Comparison of Bids	31.1	GRIDCO shall compare all substantially responsive bids to determine the highest ranked bid, in accordance with Section-VII (Evaluation of Bid).
32	Clarification before Comparison of Bids	32.1	The comparison shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, and for validation of the qualification, clarifications, if any, shall be sought for prior to the comparison of bids.
33	GRIDCO 's Right to Accept Any Bid, and to Reject Any or All Bids	33.1	GRIDCO reserves the right to accept or reject any Bid, and to annul the bidding process and reject all Bids at any time prior to Contract award, without assigning any reason and without incurring any liability.
F. Award of Contract			
34	Award Criteria	34.1	GRIDCO shall award the Contract to the Bidder who quotes lowest price without any deviations in the scope of work and is substantially responsive to the Bidding Document, provided

			that such Bidder continues to remain qualified to perform the Contract satisfactorily.
		34.2	A Bid shall be rejected if the qualification criteria as specified in Section-IV and Evaluation Criteria in Section-VII are no longer met by the Bidder whose offer has been determined to be the highest ranked evaluated Bid. In this event GRIDCO shall proceed to the next highest ranked evaluated Bid to make a similar reassessment of that Bidder's capabilities to perform satisfactorily.
35	GRIDCO's Right to change the deliverables defined under scope of Work	35.1	During the execution of contract, GRIDCO reserves the right to modify the scope and deliverables in lieu of the scope of work & deliverables defined under the Scope of Work. However, for any modification or addition of new scope, which is beyond the original scope, the same shall be decided mutually.
36	Notification of Award	36.1	Prior to the expiration of the period of bid validity, GRIDCO shall issue Letter of Award (LOA) to the successful bidder, in writing, that its Bid has been accepted.
		36.2	Until a formal Contract is prepared and executed, the Letter of Award shall constitute a binding Contract.
		36.3	Within 07 days of LOA, the successful bidder shall sign, date, and return the LOA copy to GRIDCO as acknowledgement.
37	Signing of Contract	37.1	Within 30 days from the date of issue of LOA, the successful bidder shall sign the contract

			Agreement with GRIDCO in non-judicial stamp paper and send it to GRIDCO.
		37.2	Failure to sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event GRIDCO may award the Contract to the next highest ranked evaluated Bidder at their quoted price, whose offer is substantially responsive and is determined by GRIDCO to be qualified to perform the Contract satisfactorily.
38	Contract Performance Bank Guarantee	38.1	Within 20 days of the issue of Letter of Award from GRIDCO, the successful Bidder shall furnish the Contract Performance Bank Guarantee in accordance with the GCC, using the Contract Performance Bank Guarantee Form enclosed in Section-X (Contract Forms).
		38.2	Failure of the successful Bidder to submit the above-mentioned Contract Performance Bank Guarantee shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event GRIDCO may award the Contract to the next highest ranked evaluated Bidder at their quoted price, whose offer is substantially responsive and is determined by GRIDCO to be qualified to perform the Contract satisfactorily.
39	Disclaimer	39.1	This Request for Proposal (RfP) has been prepared by GRIDCO for Design, fabrication, supply and transportation, civil works, installation and commissioning including one year Operation & Maintenance of 120/150 Mtr.

		<p>tall lattice masts along with allied wind data measuring instruments at 6 (Six) locations in the state of Odisha as per scope of work at Section – V.</p> <p>Though adequate care has been taken while preparing the RfP documents, the Bidder shall satisfy himself that document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately. If no intimation is received from any Bidder within ten (10) days from the date of issue of Bid documents, it shall be considered that the Bid document is complete in all respects and has been received by the Bidder in complete shape.</p> <p>While this RfP has been prepared in good faith, GRIDCO does not make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omission herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RfP, even if any loss or damage is caused by any act or omission on their part.</p> <p>All information submitted in response to RfP become the property of GRIDCO and GRIDCO does not accept any responsibility for</p>
--	--	---

		<p>maintaining the confidentiality of the material submitted or any trade secrets or proprietary data contained therein.</p> <p>In submitting a proposal in response to the RfP, each bidder certifies that it understands, accepts and agrees to the disclaimers on this page. Nothing contained in any other provision of the RfP nor any statements made orally or in writing by any person or party shall have the effect of negating or superseding of the disclaimers on this page.</p>
--	--	---

SECTION-III

BID DATA SHEET (BDS)

Sl. No.	Particulars
1	E-Tender (NIT) No.: 04/2023-24, Dated: 11.03.2024
2	Purpose: “Design, fabrication, supply, transportation, civil works, installation and commissioning including one year Operation & Maintenance of 120 Mtr. 150 Mtr. tall lattice masts along with allied wind data measuring instruments at 6 (Six) locations in the state of Odisha.”
3	Address of the Owner: GRIDCO Limited, Janpath, Bhoinagar, Bhubaneswar–751022, Odisha Website of GRIDCO: www.gridco.co.in Contact Person: Ms. Mahesh Prasad Dash, CPM (RE)
4	Date for availability of Tender document: From: 11.03.2024
5	Date, Time & Place of the Pre-Bid Meeting: Date: 22.03.2024 Time: 11:00 AM Venue: Through VC
6	Deadline for Submission of the Bid: Date: 11.04.2024 (1:00 PM)
7	Due date, Time & Place of opening of the Techno Commercial Bid: Date: 11.04.2024 (5:00 PM) Place: Conference Hall, GRIDCO Limited, Janpath, Bhoinagar, Bhubaneswar–751022, Odisha Date, Time & Place of Presentation: Date: 22.03.2024 (11:00 AM) Place: Conference Hall, GRIDCO Limited, Janpath, Bhoinagar, Bhubaneswar–751022, Odisha and through VC

	(Hybrid mode) Date of opening of Price Bid will be intimated later on.
8	Cost of the Bid Document: Rs.10,000.00 (Rupees Ten Thousand only) Plus GST @18% to be submitted in shape of Demand Draft issued in favour of GRIDCO Ltd, payable at Bhubaneswar or in the form of cash deposited at GRIDCO counter or through online mode. <i>Note: Bidders are required to submit the DD or Money Receipt along with the Techno-Commercial Bid.</i>
9	Bid Security (EMD): Bid Security (EMD) in form of Demand Draft for an amount of Rs.3,50,000/- (Rupees Three lakh fifty thousand) only in favour of GRIDCO Limited payable at Bhubaneswar only issued by a Scheduled Bank or through online mode in which case UTR No. or documentary proof of payment to be provided at the time of submission of techno-commercial bid. <u>Bank Details for Online Payment</u> A/C Name: RE NODAL AGENCY ACCOUNT Bank Name- HDFC Bank Branch Name: CHANDRASEKHARPUR, BHUBANESWAR Account No. 50200079352520 IFSC Code: HDFC0001252
10	Period of Contract: Twelve (12) months from the date of commissioning.
11	Bidding Methodology: Single Stage Two Part Basis.
12	Techno-commercial Proposal: To be submitted as per the format prescribed in Section-IX along with the supporting documents.
13	Bid Validity: Six months from the last date of the submission of the bid.

14	Price Proposal: To be submitted as per the format prescribed in Form P1 and P2.
15	Contract Performance Bank Guarantee (CPBG): The successful Bidder shall furnish the CPBG @ 10% of the Contract Price within 20 days of the issue of LOA in accordance with the GCC and in the prescribed format enclosed in Annexure II of Section-X (Contract Forms).
16	Signing of the Contract Agreement: The successful bidder shall sign the Contract Agreement within 30 days from the date of issue of LOA.

SECTION-IV

ELIGIBILITY CRITERIA

The proposals of only those bidders who satisfy the Conditions of Eligibility will be considered for evaluation.

The details of qualification requirements including General requirements, technical requirements and financial requirements is provided in the table below. The bidders are required to furnish the required supporting documents along with the Technical Bid.

Sl. No.	Eligibility Criteria	Required Documents
General Requirement:		
1.	The bidder must be a single bidding company registered in India under the Companies Act'1956/2013. Consortiums of Companies or individuals in any form are not allowed in this bidding.	Self-attested copy of the Certificate of Incorporation / Registration Certificate/ Certificate of Commencement of Business.
2.	The Bidder should have valid Goods and Service Tax Identification Number (GSTIN)	Self-attested copy GSTIN Registration Certificate.
3.	The Bidder should have valid PAN Number	Self-attested copy of PAN Card
4.	The Bidder shall provide duly notarized Power of Attorney (PoA) in original of the signatory of the Bid to commit the Bidder	Duly notarized Power of Attorney in original on Non-Judicial Stamp Paper of Appropriate Value as per Format-F/02

5.	The bidder must not be presently banned /de listed/ black-listed / debarred either by Central Government / State Government / Union Territory / PSU / Government Department in India, or any entity controlled by them, from participating in any project and the bar subsists as on the date of proposal.	The bidder should provide an undertaking (self-certificate) as per the format provided in FORMAT –F/03.
6.	The bidder should have, during the last Five (5) years (from the date of publishing of RFP)., neither failed to perform on any agreement (as evidenced by imposition of penalty by an arbitral or judicial or regulatory authority or a judicial pronouncement or arbitration award against the bidder) nor been expelled from any project or agreement nor have had any agreement terminated for breach of contract by such bidder.	The bidder should provide an undertaking (self-certificate) that the bidder neither failed to perform on any agreement nor been expelled from any project or agreement nor have had any agreement terminated for breach of contract by such bidder.as per the format provided in FORMAT- F/04.
8.	The bidder should have minimum 5 years of experience in designing, installing, commissioning including O&M of WRA within India.	Copy of work order/work completion certificates mentioning the nature of work, the period during which the work was done for at least one contract awarded in last 5 years (from the date of publishing of RFP). In case of non-availability of work completion certificate, the final payment receipt with the copy of invoice raised shall be submitted.

		The above documents to be submitted as enclosure to the attached format as per FORMAT- F/07 .
--	--	--

Financial Requirement:		
9.	The Bidder should have average minimum annual turnover of INR 18.00 (Eighteen) Crore during each of the last (3) three financial years (i.e., FY 2020-21, FY 2021-22 & FY 2022-23) from WRA services in India.	Copy of annual Audited balance sheets and profit and loss statements for the last three financial years (i.e., FY 2020-21, FY 2021-22 & FY 2022-23) along with CA Certificate indicating average minimum annual turnover of INR 18.00 Crores during the last three financial years from WRA services in India in attached format as per FORMAT-F/05 .
10.	The Bidder should have positive net worth in each of the last (3) three financial years (i.e., FY 2020-21, FY 2021-22 & FY 2022-23) from WRA services in India.	CA Certificate indicating net worth of the company during the last three financial years (i.e., FY 2020-21, FY 2021-22 & FY 2022-23) in attached format as per FORMAT- F/06 .
Technical Requirement:		
11.	The bidder should have experience in designing, installing, commissioning including O&M of minimum 3 (Three) WRA of 80 meter and above tall masts	Any of the supporting documents like Work Order/Letter of Award (LoA)/ Contract Agreement/ Completion Certificate for each project mentioning the nature

	<p>in last 5 years (from the date of publishing of RFP) within India.</p>	<p>of work, the period during which the work was undertaken.</p> <p>In case of non-availability of work completion certificate, the final payment receipt with the copy of invoice raised shall be submitted.</p> <p>The above documents to be submitted as enclosure to the attached format as per FORMAT-F/08.</p>
--	---	---

SECTION-V

DURATION OF PROJECT AND SCOPE OF SERVICES

5.1 Duration of Services:

The tenure of project/contract would be for a period of 12 (Twelve) months from the date of commissioning. The warranty shall remain valid for the period of 1 years from the date of commissioning.

5.2 Scope of Services:

5.2.1 The bidder is responsible for design, fabrication, supply & transportation, civil foundation works, erection and commissioning of 120/150 Meter lattice masts at the below 6 (six) locations:

Sl. No.	Wind Potential Site Visit Details	District
1	Gopalpur	Ganjam
2	Sonapur	Ganjam
3	Marine Drive	Puri
4	Paparahandi	Nabarangpur
5	Ramsing Prasad	Khurdha
6	Puri	Puri

The other details along with GPS coordinate have been provided in Appendix-II. GRIDCO may add/change the project locations based on requirement.

5.2.2 The WRA measuring instruments like anemometers, wind direction and temperature sensors, data loggers, pyranometers, etc. as required for standard wind data collection process shall be supplied/arranged and installed by the bidder as per the Technical Specification furnished in Section-X.

- 5.2.3 Necessary arrangements/provision shall be provided for collecting the wind data and other parameters at different levels as per the technical specifications.
- 5.2.4 The make and models of the instruments (Wind Speed, Wind Direction, Temperature, Pressure and Data acquisition etc.) **shall be acceptable to/ approved by**, National Institute of Wind Energy (NIWE), Chennai. The calibration certificates of the instruments shall be submitted.
- 5.2.5 The data from the data loggers shall be monitored by GRIDCO and downloaded the data whenever required. However, the bidder has to provide the monthly data to GRIDCO by separate link.
- 5.2.6 The bidder shall be responsible for Operation & Maintenance of the wind masts for a period of 12 Months with round the clock security provision.
- 5.2.7 The insurance during the transport of the material, erection and operation & maintenance period shall be the responsibility of the bidder. Again, the bidder should have medical and accidental insurance for personnel involved in installation and O&M of Mast.
- 5.2.8 The Security for the masts and insurance coverage will be arranged by bidder.
- 5.2.9 The scope of work matrix highlighting the responsibility of each stakeholder is given below:

Sl. No	Activities	Responsibility
Project activities		
1	NoC against WRA location	GRIDCO/Designated agency of GRIDCO
2	Submission of Drawings	Bidder
3	Approval of Drawings	GRIDCO/Designated agency of GRIDCO
4	Submission of Bill of Material	Bidder
5	Approval of Bill of Material	GRIDCO/Designated agency of GRIDCO
6	Factory Inspection Test	GRIDCO/Designated agency of GRIDCO
7	Transportation of material to site	Bidder
8	Installation & Commissioning	Bidder
9	Pre commissioning verification	GRIDCO/Designated agency of GRIDCO
General tasks		

10	Safety & Security (from material received at site)	Bidder
11	Operation & Maintenance	Bidder
12	Data collection and data sharing (online and onsite). The data availability shall be 95% and above.	Bidder
13	Data verification, Quality checks and analyze the wind data with NIWE as per guideline of MNRE.	GRIDCO/Designated agency of GRIDCO
14	Arrangement of Electricity and Water for O&M	Bidder

5.2.10 **TURNKEY PROJECT MODEL:** The bidder has to supply, install and commission the wind mast and wind data measuring instruments as per the scope within the allowed time limit from the date of issue of LOA. The bidder has to provide the detailed plan for execution of project along with the acceptance of Letter of Award (LOA). The project time line against the major milestone is given below:

TIME SCHEDULE FOR TURNKEY PROJECT MODEL

Milestone	Timeline (Where NOC from Defense/ AAI etc. is required)	Timeline (Where NOC from Defense/ AAI etc. is not required)
Issue of LOA	0 day	0 day
Submission of acceptance to LOA	0+7 days	0+7 days
Submission of relevant documents e.g. drawings, BOM, documents required for applying NOC from Ministry of Defense/Airport Authority of India etc. as per the scope	0+150 days	0+90 days
Delivery of material to site		

Commission of the project	0+180 days	0+120 days
---------------------------	------------	------------

5.2.11 **RENTAL MODEL:** The Time Schedule for completion of activities after release and acceptance of purchase order by the successful bidder are as follows:

TIME SCHEDULE FOR TURNKEY PROJECT MODEL

Sl. No.	Description	Months
1	Supply, Successful installation and commissioning of the met masts 120 m or 150 m together with mounting of sensors mentioned in the document on Lease basis at the proposed locations and after ensuring the receipt of real time data from the site to GRIDCO server.	2 months (After receipt of PO)
2	Measurement campaign	12*
3	Dismantle the system after completion of one continuous year measurement campaign and clear the site.	1 month
	Total	15 months

*Subject to meeting the data quality requirements

5.2.12 The time schedule for completion of the measurement campaign is extendable up to a maximum of 3 months (Both turnkey project model and rental model), in case the bidder is able to give justifiable reasons for the same and that need to be acceptable to GRIDCO. However, no additional payment will be entertained.

5.2.13 The bidder can quote for two models of supply of materials as turnkey project model and/or rental model.

5.2.11.1 **Turnkey project model:** The bidder shall quote for the project including cost of WRA components, O&M cost and all other work as per the scope matrix. After the contract period, the bidder will dismantle the WRA and hand over in working condition to GRIDCO.

5.2.11.2 **Rental Model:** The bidder shall quote for supplying WRA components and providing O&M service for the whole contract period as per the scope. Dismantling of the WRA unit and restoration of the project site to its original state shall be the responsibility of the bidder.

5.2.14 The successful bidder has to submit all relevant documents for obtaining the elevation certificate from Ministry of Defense/Airport Authority of India as per the notification of NIWE (NIWE/WRA/2023-24 Date: 18.01.2024) for setting up the wind mast. These documents will be submitted along with acceptance of Letter of Award (LOA).

SPECIAL CONDITION OF CONTRACT (RENTAL MODEL)

6.1 LOCATION:

The location of the proposed work is given in page no 43 of this document in Odisha, which is depicted in the Technical Specifications.

6.2 BIDDING TYPE:

Two Bid System (Techno-Commercial & Price bid). The tender is of Indigenous Open in nature and can be quoted in INR only.

6.3 EVALUATION CRITERIA

Evaluation of the bid shall be carried out as referred herein under:

- Evaluation shall be done on Total Solution basis.
- Responsiveness of the Proposal
- Qualifications, Experience and Management:

direct and relevant experience with this type of work
- management plan and a project team with the necessary technical, operational, and administrative experience for successfully completing the project
- Cost Criteria
- BID Price shall mean the total package price of the Project listed in the PRICE BID for its complete scope of Work as mentioned in the BOQ.
- The prices quoted must be inclusive of freight, insurance, statutory levies & duties etc., excluding Goods and Service Tax (GST).
- Goods & Service Tax as per applicable law shall be paid by GRIDCO as per rules.
- The total cost of the Project shall be the total rate mentioned for the items in the BOQ-Sheet.
- The rates accepted should remain firm with no escalation being permitted. No

representation for enhancement of price accepted will be considered.

- TOTAL COST of the Work arrived after arithmetical corrections including import Duties, statutory levies, freight & insurance etc., as indicated by the suppliers will be considered for the purpose of evaluation.
- The overall evaluated cost arrived at in this manner shall be taken for cost comparison and final evaluation.
- Financial evaluation will be done in INR only.
- Completed split-up details for the TOTAL COST should be provided in INR by the successful bidder on request.
- The GRIDCO reserves the right to accept or reject any /all the quotations in part or full without assigning any reasons whatsoever.
- After scrutiny of technical offers by a competent team, the price bids of the technically qualified bidders will be opened.
- This evaluation criteria over-rides all other similar related clauses appearing anywhere in the bid documents and such clauses are deemed to have been modified to the extent stipulated above.

6.4 SCOPE OF WORK

- The key objective of this tender is to deploy 6 numbers of met mast at the proposed locations in Odisha including its installation and commissioning on lease basis. The supplier should also provide continuous measurement of meteorological RAW and processed data for one year, along with a report.
- The valid, reliable and bankable measurement data shall be delivered. The measuring data must be available to GRIDCO/NIWE on electronic form (FTP server or online website) on an hourly/daily basis. Data integration shall be carried out on a real time basis on a sampling rate of 15 minute/ 4-blocks/ hour for onward transmission server deploying suitable technologies. The bidder shall provide online access to GRIDCO/NIWE for

continuous monitoring and downloading the data.

In order to maintain the data continuity, bidder has to keep standby redundant sensors in reserve. The faulty accessories must be replaced within 48 hours maximum, if the deployed measurement system develops any defects for measurement. As specified in the projects details section, the bidder must ensure that the data collected from the met masts sensor systems would be suitable for the following purposes:

Estimation and verification of wind energy potential

The bidder should submit the bids for the WRA met masts and instruments s (Annexure-1 & 2) - on lease basis

The following measuring parameters are the minimum requirement for floating buoy measurement campaigns: -

Table: Minimum requirement/ Essential sensors for Floating buoy measurement campaign

SL. NO.	Sensors Type	Variables	Real-Time Data Acquisition
1	Standard Meteorological sensors	Wind speed, Direction, Solar irradiation, Temperature, Pressure, Humidity at multiple levels and any other parameters if required.	10 min

The data should be shared with GRIDCO/NIWE.

- The bidder should carry out the required data analysis with NIWE for meteorological measurements on a monthly basis and submit an interim report. A complete consolidated data analysis report shall be submitted for the entire measurement campaign (one year from the start date of measuring quality data). GRIDCO will be in a position to release the payment on a monthly basis as per the payment schedule subject to 85% data availability post-processed based on interim report.
- However, the bidder has to maintain the overall post processed data availability of 90% and above for one-year measurement campaign

- Since the measurements are essence of the project, data quality should be maintained as per MESNET Guidelines and IEC standards. The system should run to operate 24/7 in order to ensure data continuity.
- The manning of the survey is the responsibility of the bidder, who must provide sufficient competent supervisory, technical and other personnel to properly perform the service. The bidder/ contractor may not replace key personnel without written approval from the GRIDCO.

Note: Bidder has to sign Non-Disclosure agreement (NDA) with GRIDCO to ensure the confidentiality of the data and to submit the RAW data after the completion of the campaign.

The bidder should have proven track record of supplying the WRA system on lease basis across the globe. Two or Three references anywhere across the globe needs to be provided along with the bid.

6.5 Equipment/Sensors Specifications:

- ✓ All the sensors should be calibrated by an accredited laboratory meeting the requirement of ISO/ IEC 17025: 2017 or equivalent and a calibration certificate should be furnished.
- ✓ Anemometer and wind vane shall be calibrated from a MEASNET accredited lab as per IEC 61400- 12-1.
- ✓ The Instruments to be supplied shall be of good working condition with valid Warranty for all the instruments. The details of products (serial no, calibration information, etc.,) deployed by the bidder in connection with this tender should be specified by the successful bidder.
- ✓ The latest available, own individual software version must be made available along with these sensors. Any further communication with all individual sensor configuration changes or fixes/updates made after the installation of device(s) software must be recorded in the device log.
- ✓ Replacement and repair mechanisms for batteries and power systems need to be mentioned.

6.6 Data Storage and Transmission:

- ✓ Continuous data collection has to be ensured with suitable mechanisms. Data Availability shall comply the IEC Standards/MEASNET guidelines
- ✓ The system should have sufficient storage for storing the raw data for a minimum 1 year.
- ✓ The minimum data acquisition shall be as mentioned in Table 2.
- ✓ A provision of an online dashboard/web portal system shall be supplied by the bidder to allow remote access to the collected meteorological measurements for the purpose of visualization and monitoring of time series and summary statistics for the period of the measurement campaign. By the end of the day, the percentage of data availability and updating of the same to the GRIDCO server must be visualized in the portal.
- ✓ Wind data will be recorded at a range of heights given in the tender. The actual heights measured may be modified based on discussions with GRIDCO.
- ✓ How data will be transmitted from the Met mast at regular intervals must be described in the bid/ proposal. Two separate means of communication are required, and the type of communication should switch automatically. Data retrieval should be primarily done remotely, either from
- ✓ At a minimum, the communications system must allow real-time, or near real-time, monitoring of the status of the met mast and any critical systems including power and sensors data retrieval. Ideally, it will also allow real-time transfer of all met mast measurements. There should be sufficient data storage on-board to ensure that all data measured for the duration of the campaign is stored and recoverable in the event communication fails. Once recovered or transmitted, data will be delivered by the bidder to GRIDCO. Data should be stored securely with remote access available to GRIDCO.

6.7 Data Management:

- ✓ The bidder must include in their proposal a basic Data Management Plan (DMP) documenting how the bidder will safeguard and analyze the data and provide GRIDCO access to the raw and processed data. A more detailed DMP will be required prior to the deployment of the Met stations. The bidder may also provide suggestions relating to

further means of management of the data to make the processes as efficient as practical.

- ✓ Data shall be analyzed by the bidder in best practice quality control measures to ensure any filters have been appropriately applied, or that the quality control is in-line with industry best-practices at the time.
- ✓ The bidder shall be required to provide GRIDCO with periodic written reports analyzing the data with key conclusions.
- ✓ The collected data is the property of govt of Odisha and shall not be transferred /used for any other purposes.

6.8 Power Requirements:

The supplier has to provide a suitable power supply unit (viz., batteries, Solar Panels, fuel cells etc.) and all required accessories for the successful operation of the measurement system

6.9 Transportation, Mobilization, and Deployment:

- ✓ Mobilization, Demobilization, and Transportation of all the components is in the scope of the contractor/vendor, including the transportation. The bidder should necessary arrangements related activities such as Installation / rectification/ watch ward/ service visit / Emergency visit/ de-commissioning.
- ✓ Mobilization, Demobilization, and Transportation of all the components are in the scope of the contractor/vendor, including the transportation needed for Met mast /validation/Risk based approach.
- ✓ For installation at the met mast at the site, the bidders shall be responsible for necessary clearances and arrangements for transportation etc.

6.10 Comprehensive Operation and Maintenance During the measurement campaign:

- ✓ The bidder will be responsible for safe delivery of material at the site, Installation & Commissioning, Watch and Ward for one year of successful data collection, Operation and Maintenance for One year (or) until successful data collection for one year, including site visit arrangements, Data Retrieval at GRIDCO server, the safe dismantling after completion of one year measurement campaign and clear the site.
- ✓ The safety, security, and all risk insurance of equipment are the responsibility of the

vendor within the contract price.

- ✓ The safety, security, and all risk insurance of equipment including met masts and sensors are the responsibility of the vendor within the contract price. However, in case of vandalism the successful bidder will ensure the functionality of system within 5 days by providing necessary evidence. Those 5 days will not be considered for overall system availability calculations.
- ✓ Process the data (Validated by NIWE) at a regular interval (monthly basis), and at the end of each month of data collection, an interim data analysis report with data availability of 85% and above will be submitted. The payment will be processed on a monthly basis as per the schedule on acceptance of validated report of NIWE, and a consolidated/ final report will be prepared after one year as per the internationally accepted practice covering RAW data, post-processed data, uncertainty estimation, the accuracy of the measurement campaign etc.
- ✓ The maintenance strategy of the entire system along with the associated equipment/ sensors during the measurement campaign, needs to be described with an execution plan along with timelines in the bid document.
- ✓ In the event of post processed data quality is less than 85%, the monthly payment criteria are based on the minimum system availability of 95% and minimum of 20% of post processed data for that particular month and the payment will be made on pro-data basis. However, no payment will be released if it is less than 20% of post processed data. In order to ensure the system availability, bidder has to provide the RAW data for that particular month.

6.11 Others

- ✓ The successful bidder shall have to carry out the installation and commissioning of met masts with sensors to the respective sites.
- ✓ The bidder should make a commitment to render technical assistance to GRIDCO in queries related to measurement campaign and data quality for bankability purposes for the International Competitive Bidding (ICB), to be floated by GRIDCO on a later date.

- ✓ The commitment letter/undertaking letter from the vendor confirming above points (1 & 2) shall be submitted to GRIDCO along with the Techno-Commercial bid documents.
- ✓ The bidder is responsible to provide one-year complete data in quality and in prescribed frequency. Accordingly, the bidder has to carry out rectification of equipment/sensors failures in order to ensure the agreed quality of data collection. If the data loss happens due to unexpected system/ environmental failures, it is the bidder's responsibility to continue the project at own cost to maintain the data continuity for one complete year.
- ✓ If during the period of data collection if for some reasons, whatsoever, if the data collection stops, then the mobilization of team will be resumed the data collection is in the part of the bidder.
- ✓ GRIDCO will facilitate for all needed clearances with respect to state departments, if required, in line with provision contained in the notified onshore policy. The rates quoted should be inclusive of cost for clearances etc., if any.
- ✓ The operation and maintenance strategy of the entire system along with the associated equipment/ sensors during the measurement campaign need to be described with execution plan along with timelines in the bid document.

PROPOSED METHODOLOGY AND WORK PLAN

The proposed methodology and work plan shall be described as follows:

7.1 Understanding of Project

The Applicant shall clearly state their understanding of the project and also highlight its important aspects. The Applicant may supplement various requirements of the project and also make precise suggestions if it considers this would bring more clarity and assist in achieving the objectives laid down in the TENDER. The bidder should be aware that the data collected from the meteorological measurements should be able to be used by GRIDCO for the following purposes:

- ✓ **Estimation of wind energy potential and deployment of wind turbine generator/design**

7.2 Methodology and Work Plan

- ✓ The Applicant will submit its methodology for carrying out this assignment, outlining its approach toward achieving the objectives laid down in the TENDER.
- ✓ The Applicant should specify the sequence of execution methodologies and locations of important activities and provide a quality assurance plan/schedule for the performance of the scope of services. The major milestones expected to be in the time schedule are contract validation, preparation & supply installation and commissioning of the met masts integrated with all sensors as specified, data streaming initiation, delivery of monthly data packets, data analysis report submission and maintenance with respect to the warranty period.

7.3 Documentation:

Technically qualified bids must include the following:

- ✓ Description of the measurement system, including identification of instruments, acquisition system, calibration, sensitivity tests or verification procedures appropriate for instruments.
- ✓ The equipment list clearly states which equipment is calibrated/ validated and which is not include equipment specified in the options.
- ✓ Data rejection criteria to be applied.
- ✓ Schematics, 2D, 3D drawings, photos or other renderings to illustrate instrument

arrangements and overall characteristics of the system

- ✓ Procedure for system monitoring and anticipated service intervals
- ✓ Measurement plan listing and describing parameters to be measured, derived and delivered as well as the authenticated format of data delivery and its encryption procedure
- ✓ Reporting format and mode
- ✓ Project execution plan including marine operations for deployment, service and recovery of measurement system.

SECTION-VI

PAYMENT TERM

Turnkey Project Model

Payment Milestone	Payment
On design, supply, FAT and installation of the mast(s) at the site(s) on production of invoice (in triplicate) duly certified by the authorized representative of GRIDCO/NIWE as per specifications.	50% of the total value
On successful operation for 4 months from the date of commissioning of wind mast with required instruments and on acceptance of validated RAW data from NIWE.	15% of the total value
On successful operation for 8 months from the date of commissioning of wind mast with required instruments and on acceptance of validated RAW data from NIWE.	15% of the total value
On successful operation for 8 months from the date of commissioning of wind mast with required instruments and on acceptance of validated RAW data from NIWE.	10% of the total value
On successful operation of 12 months and support period of addition 12 month	10% of the total value

during TBCB process against those zones.	
--	--

Rental Model

- 12% on successful installation and commissioning of the WRA met mast along with mounting of Instruments system and after ensuring the receipt of real time data from the prescribed measurement site to GRIDCO or designated agency server.
- 5.5% on submission of data (post-processed after quality check) more than 85% data availability (monthly) (5.5% X 12= 66%) at the end of every month along with the respective interim monthly data analysis report to GRIDCO. In the event of post-processed data quality being less than 85%, the monthly payment criteria are based on the minimum system availability of 95% and a minimum of 20% of post-processed data for that particular month, and the payment will be made on a pro-rata basis. However, no payment will be released if it is less than 20% of post-processed data. In order to ensure the system availability, the bidder has to provide the RAW data for that particular month.
- Only after the satisfactory acceptance of the report submitted, GRIDCO will process the payment according to the schedule.
- Balance of 12% payment will be paid after the completion of the one-year measurement campaign, handing over all RAW & processed data & reports, any other contract requirement to be complied with by the bidder.
- Balance of 10% payment will be paid after successful operation of 12 months and support period of addition 12 month during TBCB process against those zones.

SECTION-VII

EVALUATION OF BID

- 9.1 GRIDCO will determine whether the Proposals are substantially responsive to the Bidding Document and their proposal is complete. Material deficiencies in the proposal may render the proposal non-responsive and may lead to the rejection of the proposal.
- 9.2 To evaluate a Bid, GRIDCO shall only use all the criteria and methodologies defined in this document.
- 9.3 The financial bids of technical qualified bidders shall be opened as per scheduled date and time.
- 9.4 The Bidder who quotes lowest price against each site as per the price bid format without any deviations in the scope of work shall be considered for awarding the work for that site. In no case, a single bidder will be allocated more than 3 sites. However, GRIDCO shall take the final decision for allocating of sites.

SECTION-VIII

GENERAL CONDITIONS OF CONTRACT (GCC)

01.	Contract Documents	1.1	Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. Contract document covers, RfP document, bidders offer, letter of award, correspondences between GRIDCO and bidder.
02.	Definition	2.1	“PROJECT” shall mean the wind resource assessment (WRA) system
		2.2	“Bid” shall mean Techno-Commercial Proposal & Price Proposal in prescribed FORMS submitted in pursuance to RfP document.
		2.3	“Bidder” shall mean the company/firms participating in the bid floated by GRIDCO for Design, fabrication, supply and transportation, civil works, installation and commissioning including one year Operation & Maintenance of 120/150 Mtr. tall lattice masts along with allied wind data measuring instruments at 6 (Six) locations in the state of Odisha and shall include his heirs, legal representatives, successors and permitted assigns.
		2.4	Null
		2.5	“Contract” shall mean the agreement signed by the Authorized representatives of GRIDCO and the Selected bidder covering “the GCC, Scope of Works, Techno-

			Commercial Bid & Price Bid submitted by the Bidder, Correspondences and Letter of Award” including amendments and clarifications thereto, if any, issued by GRIDCO.
		2.6	“ Contract Period ” shall be 12 (Twelve) Months from the date of commissioning, and extensions, if any, thereof.
		2.7	“ Effective Date of the Contract ” shall mean the date of issue of Letter of Award for the project under this contract.
		2.8	‘ GRIDCO/Owner ’ shall mean GRIDCO LIMITED, JANPATH, BHUBANESWAR and shall include its legal representatives, successors and assigns.
		2.9	“ LOA ” i.e., “Letter of Award” shall mean the official notice issued by GRIDCO notifying the Bidder firm that his bid proposal has been accepted and it shall include amendments thereto, if any, issued by GRIDCO.
		2.10	“ Month ” shall mean the calendar month and “ Day ” shall mean the calendar day.
		2.11	“ Nodal Agency ” shall mean GRIDCO Ltd., JANPATH, BHUBANESWAR
		2.12	“ Nodal Person ” shall mean Chief Project Manager (RE), GRIDCO Ltd.

		2.13	<p>“Other Terms & Expression” Terms and expressions not herein defined shall have the same meaning as are assigned to them in the Indian Contract Act (1872) and failing that in the General Clauses Act (1897) including amendments thereof, if any.</p>
		2.14	<p>“Person” shall mean and include firms, companies, corporations and associations, Joint Ventures/ Consortium or bodies of individuals, whether incorporated or not.</p>
		2.15	<p>“RE Policy” shall mean Odisha Renewable Energy Policy, 2022 notified on 30.11.2022 vide gazette notification No. 11757-ENG-HYD-HYDRO-0009/2022/En</p>
		2.16	<p>“RfP” i.e., “Request for Proposal” shall mean document consisting of NIT, ITB, BDS, Eligibility Criteria, Duration of Project & Scope of Services, Payment terms, Evaluation of Bid, Bidding Forms and Contract Forms and any amendments thereof.</p>
03.	Interpretation	3.1	<p>In this Contract unless a contrary intention is evident:</p> <p>(a) the clause headings are for convenient reference only and do not form part of this Contract. The headings shall not limit, alter or affect the meaning of this Contract;</p> <p>(b) unless otherwise specified a reference to a clause number is a reference to all of its sub-clauses;</p> <p>(c) unless otherwise specified a reference to a clause, sub-clause or section is a reference to a clause, sub-clause or section of this Contract including any amendments or</p>

			<p>modifications to the same from time to time;</p> <p>(d) a word in the singular includes the plural and a word in the plural includes the singular;</p> <p>(e) a word imparting a gender includes other gender;</p> <p>(f) a reference to legislation includes legislation repealing, replacing or amending that legislation;</p> <p>(g) where a word or phrase is given a particular meaning, it includes the appropriate grammatical forms of that word or phrase which have corresponding meanings;</p> <p>(h) in the event of an inconsistency between the terms of this Contract and the Bid document and the proposal, the terms of this contract hereof shall prevail.</p>
04.	Entire Agreement	4.1	The Contract constitutes the entire agreement between GRIDCO and the bidder and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.
05.	Amendment	5.1	No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

06.	Non-waiver	6.1	<p>Subject to GCC Clauses-28 and 29 below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.</p> <p>Any waiver of a party's right, power or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.</p>
07.	Severability	7.1	<p>If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.</p>
08.	Language	8.1	<p>The Contract as well as all correspondence and documents relating to the Contract exchanged between by the bidder and GRIDCO shall be written in English. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in English, in which case, for purposes of interpretation of the Contract, this translation shall govern.</p>
		8.2	<p>The bidder shall bear all costs of translation to English and all</p>

			risks of the accuracy of such translation if required.
09.	Location	9.1	The Services shall be performed in project location as required by GRIDCO.
10.	Effectiveness of Contract	10.1	This Contract shall come into force and effect on the date of GRIDCO's Letter of Award.
11.	Authorized Representatives	11.1	Any action required or permitted to be taken, and any document required or permitted to be executed under this Contract, may be taken or executed: a) on behalf of GRIDCO byor his designated representative. b) on behalf of the bidder by or his designated representative.
12.	Relation between the Parties	12.1	Nothing contained herein shall be construed as establishing a relation of master and servant or of principal and agent as between GRIDCO and the bidder. The bidder, under this Contract, shall have complete charge of Personnel performing for the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder.
13.	Notices	13.1	Any Notice given by one party to the other pursuant to the Contract shall be in writing to the address specified below at 13.2. The term "in writing" means communicated in written form with proof of receipt.
		13.2	Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an

			<p>authorized representative of the Party to whom the communication is addressed, or when sent by registered post, email to such Party at the following address or hosted in Website:</p> <p>a. For GRIDCO:</p> <p>Attention: Chief Project Manager (RE)</p> <p>Postal Address:</p> <p>GRIDCO Ltd</p> <p>Regd. Office, Janpath</p> <p>Bhoinagar, Bhubaneshwar – 751022,</p> <p>Odisha</p> <p>Phone: +91 6372556511</p> <p>Email: re.mpdash@gridco.co.in</p> <p>b. For the bidder:</p> <p>Attention:</p> <p>Postal Address:</p> <p>Phone:</p> <p>Email:</p>
		13.3	<p>Notice will be deemed to be effective, when it is delivered to the other party in the normal course of delivery through personal delivery or registered mail, Fax, email or hosted in website.</p>

		13.4	A Party may change its address for notice hereunder by giving the other Party notice of such change pursuant to this Clause.
14.	Governing Law	14.1	The Contract shall be governed by and interpreted in accordance with the laws of India. The Courts in Bhubaneswar and High Court of Odisha, Cuttack shall have exclusive jurisdiction with respect of the tendering process, award of contract and execution of contract.
15.	Settlement of Disputes	15.1	GRIDCO and the bidder shall make every effort to resolve the dispute amicably by direct informal negotiation.
		15.2	If the parties fail to resolve such a dispute or difference by mutual consultation within twenty-eight (28) days from the commencement of such consultation, either party may require that the dispute be referred to Chairman, GRIDCO who shall be the sole arbitrator for this purpose. If dispute doesn't get resolved by Chairman, GRIDCO, the same shall be governed by the provisions of arbitration and conciliation Act 1996.
16.	Commence ment of Services	16.1	The bidder, shall begin carrying out the project work immediately viz. from the date of acceptance of Letter of Award (the "Starting Date").
17.	Delivery	17.1	The Delivery of services and Completion of the Related Services shall be in accordance with the Scope of Services specified in the Section- V . The Contract Monitoring Committee (CMC) shall make quarterly review of the performance and intimate the firm for proper execution of the

			projects as per the work scope in case any deficiency arises during the contract period.
		17.2	The bidder, in relation to its deliverables, shall provide monthly data or information required by GRIDCO within the time schedule mentioned in Clause–iv of Note of Scope of Services .
18.	Bidder 's Responsibilities	18.1	The bidder shall provide the services mentioned in the Scope of Services shall be as per Section-V .
		18.2	The bidder shall arrange one WorkStation at Bhubaneswar at its own cost for data monitoring, processing and viewing.
19.	GRIDCO's Responsibilities	19.1	For successful completion of the project, GRIDCO shall provide all necessary support for site clearances/approval from the competent authority without prejudice. The bidder shall bear all costs involved in the performance of its responsibilities, for the scope of the Services as per the contract.
		19.2	GRIDCO shall act as the nodal point for implementation of the contract and for issuing necessary instructions, approvals, commissioning, acceptance certificates, payments etc. to the bidder.
		19.3	GRIDCO may provide on Bidder's request, particulars / information / or documentation as available with them that may be required by the Bidder for proper planning and

			execution of Scope of Services under this contract.
20.	Contract Price	20.1	The Contract Price shall be as specified in the Agreement subject to any additions and adjustments thereto, or deductions there from, as may be made pursuant to the Contract.
21.	Terms of Payment	20.2	Prices charged by the Bidder for the service provided under the Contract shall not vary from the prices quoted by the Bidder in its bid unless otherwise agreed between the bidder and GRIDCO till the completion of the contract.
		21.1	The Contract Price shall be paid in the manner specified in the Section-VI (Payment Term). No invoice for extra work/change order on account of change order will be submitted by the Bidder unless the said extra work /change order has been authorized/approved by GRIDCO in writing.
		21.2	The Bidder's request for payment shall be made to GRIDCO in writing, accompanied by Tax Invoices describing Services provided, accompanied by the documents evidencing submission and acceptance of deliverables specified in the Section-V . The Bidder shall submit the Tax Invoices in triplicate to GRIDCO.
		21.3	Payments shall be made promptly by GRIDCO after submission of an invoice along with supporting documents, subject to GRIDCO's acceptance. But if the progress is not satisfactory and according to agreed work program/schedule the payment may be withheld.

		21.4	<p>Payment shall be made by GRIDCO as per the price of the Letter of Award.</p> <p>GRIDCO may deduct such amounts from the Invoice, which are to be recovered as per the GCC.</p>
22.	Taxes and Duties	22.1	The Bidder and the personnel shall pay the taxes, duties; fees, levies and other impositions levied under the existing, amended or enacted laws except GST during tenure of this contract.
		22.2	Payment of taxes/duties shall not be made separately in any case. However, GST as applicable claimed by the bidder in their invoice shall be reimbursed.
		22.3	GRIDCO shall deduct TDS at the appropriate rate as per the existing law.
23.	Performance Security	23.1	The Bidder shall, within twenty (20) days of the letter of award, provide a contract Performance bank guarantee for the due performance of the Contract @10% of contract price from a scheduled bank en-cashable at Bhubaneswar only. This shall remain valid for a period of 90 days over and above the contract completion period. The bidder shall submit the CPBG as per the format enclosed.
		23.2	GRIDCO shall at its sole discretion invoke the Performance Security and appropriate the amount secured there under, in the event that the Bidder commits any delay or default in Services rendered or commits any breach of the terms and conditions of the Contract.

		23.3	The Performance Security shall be denominated in Indian Rupees. In case of extension of the contract period for any reason, the validity period of CPBG will be extended accordingly.
		23.4	The Performance Security shall be discharged by GRIDCO and returned to the Bidder not later than thirty (30) days following the date of completion of the Bidder's performance obligations under the Contract including extension thereof.
24.	Confidential Information	24.1	The Bidder and the personnel of any of them shall not disclose any proprietary or confidential information relating to this contract during the period for which this contract has been made.
		24.2	The obligation of a party under this clause, however, shall not apply to information that: <ul style="list-style-type: none"> (a) now or hereafter enters the public domain through no fault of that party; (b) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or (c) Otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
25.	Subcontracting	25.1	The Bidder shall not be permitted to sub-contract any part of its obligations under the Contract with GRIDCO.

26.	Service Quality	26.1	GRIDCO may reject any Service rendered or any part thereof that fail to conform to the specifications. The Bidder shall take measures necessary to meet the specifications at no cost to GRIDCO.
27.	Liquidated Damages	27.1	Except as provided under GCC Clause-27 , if the Bidder fails to perform any or all of the Services within the period, GRIDCO may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% of the value of the Services, supplied beyond stipulated delivery schedule for each week or part thereof of delay in deliverable, up to a maximum of 5% of contract price.
28.	Force Majeure	28.1	For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party, and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent), confiscation or any other action by government agencies.
		28.2	Force Majeure shall not include: a) Any event which is caused by the negligence or intentional action of a Party or such Party's Sub-bidders or agents or employees, nor b) Any event which a diligent Party could

			reasonably have been expected to both (i) take into account at the time of the conclusion of this Contract, and (ii) avoid or overcome in the carrying out of its obligations hereunder.
		28.3	The failure of a Party to fulfill any of its obligations hereunder shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of this Contract.
		28.4	A Party affected by an event of Force Majeure shall take all reasonable measures to remove such Party's inability to fulfill its obligations hereunder with a minimum of delay.
		28.5	A Party affected by an event of Force Majeure shall notify the other Party of such event as soon as possible, and in any event not later than fourteen (14) days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall similarly give notice of the restoration of normal conditions as soon as possible.
		28.6	The Parties shall take all reasonable measures to minimize the consequences of any event of Force Majeure.
		28.7	The decision of GRIDCO with regard to the occurrence, continuation, period or extent of Force Majeure shall be final and binding on the Bidder.

		28.8	The contract period, pursuant to this Contract, shall be extended for a period equal to the time during which the contract could not be performed as a result of Force Majeure.
		28.9	Not later than thirty (30) days after the Bidder, as the result of an event of Force Majeure, have become unable to perform a material portion of the Services, the Parties shall consult with each other with a view to agreeing on appropriate measures to be taken in the circumstances.
29.	Suspension	29.1	GRIDCO may, by written notice of suspension to the Bidders, suspend all payments to the Bidders hereunder if the Bidders fail to perform any of their obligations under this Contract, including the carrying out of the Services as per schedule, provided that such notice of suspension (i) shall specify the nature of the failure, and (ii) shall request the Bidders to remedy such failure within a period not exceeding Seven (7) days after receipt by the Bidders of such notice of suspension and shall invoke contract performance guarantee.
30.	Termination	30.1	Termination of Contract for Failure to Become Effective; If this Contract has not become effective within seven (7) days of the date hereof, either Party may, by not less than two weeks (2) weeks' written notice to the other Party, declare this Contract to be null and void, and in the event of such a declaration by either Party, neither Party shall have any claim against the other Party with respect hereto.
		30.2	Termination for Default:

			<p>i. GRIDCO may, without prejudice to any other remedy for breach of Contract, by Notice of default sent to the Bidder terminate the Contract in whole or in part:</p> <p>ii. if the Bidder fails to provide acceptable quality of Services as per Scope of Services (Section V)</p> <p>iii. if the Bidder commits any breach of the Contract and fails to remedy or rectify the same within the period of two weeks (or such longer period as GRIDCO in its absolute discretion decide) provided in a notice in this behalf from GRIDCO.</p> <p>iv. If the Bidder fail to comply with any final decision reached as a result of arbitration proceedings pursuant to Clause-15 of GCC. v. If, as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than sixty (60) days.</p> <p>(a) In the event GRIDCO terminates the Contract in whole or in part, pursuant to GCC Clause30, GRIDCO may procure, upon such terms and in such manner as it deems appropriate, Deliverables or Services similar to those undelivered or not performed, and the Bidder shall be liable to GRIDCO for any additional costs for such similar Services. However, the Bidder shall continue performance of the Contract to the extent not terminated.</p>
		30.3	<p>Termination for Insolvency:</p> <p>GRIDCO may at any time terminate the Contract by giving Notice to the Bidder if the Bidder becomes bankrupt or</p>

			<p>otherwise insolvent. In such event, termination will be without compensation to the Bidder, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to GRIDCO.</p>
		30.4	<p>Termination for Convenience:</p> <p>GRIDCO, by Notice sent to the Bidder, may terminate the Contract, in whole or in part, at any time for its convenience. The Notice of termination shall specify that termination is for GRIDCO's convenience, the extent to which performance of the Bidder under the Contract is terminated, and the date upon which such termination becomes effective.</p>
		30.5	<p>Consequences of Termination:</p> <p>Upon Termination of the Contract, the Bidder shall:</p> <p>(a) Prepare and present a detailed exit plan within five calendar days of termination notice receipt to the or equivalent authority of GRIDCO ("Exit Plan")</p> <p>(b)The or equivalent authority and along with designated team will review the Exit plan. If approved, Supplier shall start working on the same immediately. If the plan is rejected, Bidder shall prepare alternate plan within two calendar days. If the second plan is also rejected, or equivalent authority will provide a plan for Bidder and it should be adhered by in totality.</p>

		30.6	The Bidder and or equivalent authority will sign a completion certificate at the end of successful completion (all points tracked to closure) of the Exit Plan.
31.	Cessation of Rights and Obligations	31.1	<p>Upon termination of this Contract pursuant to Clause-30.4 hereof, or upon expiration of this Contract pursuant to Clause-42 hereof, all rights and obligations of the Parties hereunder shall cease, except</p> <ul style="list-style-type: none"> a) Such rights and obligations as may have accrued on the date of termination or expiration, b) The obligation of confidentiality set forth in Clause-24 hereof, c) Any right which a Party may have under the Applicable Law.
32.	Cessation of Services	32.1	Upon termination of this Contract by notice to pursuant to Clause-30 hereof, the Bidders shall, immediately upon dispatch or receipt of such notice, take all necessary steps as provided in Clause-30 hereof, to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum.
33.	Payment upon Termination	33.1	<p>Upon termination of this Contract pursuant to Clause-30 hereof, GRIDCO shall make the following payments to the Bidder:</p> <ul style="list-style-type: none"> a) Fee for Services satisfactorily performed prior to the effective date of termination; after adjustment

			<p>of the dues to GRIDCO.</p> <p>b) Except in the case of termination pursuant failure to perform, insolvency of the Bidder, deliberate false submission by the Bidder or for failure to comply with the final decision of an arbitration process, reimbursement of any reasonable cost incidental to the prompt and orderly termination of the Contract.</p>
34.	Project	34.1	The Bidder shall not assign to any other party, in whole or in part, their obligations under this Contract.
35.	Disclaimer	35.1	GRIDCO reserves the right to share, with any bidder of its choice, any resultant Proposals, in order to secure expert opinion.
		35.2	GRIDCO reserves the right to accept or reject any proposal deemed to be in its best interest.
36.	Public Disclosure	36.1	All services/deliverables provided to GRIDCO by the Bidder are subject to Country and Odisha public disclosure laws such as RTI etc.
		36.2	The Bidder's Team shall not make or permit to be made a public announcement or media release about any aspect of this Contract unless GRIDCO first gives the Bidder its written consent.
37.	Adherence to rules Regulations	37.1	Bidder shall comply with the provision of all laws including labour laws, rules, regulations and notifications issued there under from time to time.

	and restrictions		
		37.2	The Bidder shall take all measures necessary or proper and to ensure due diligence to protect the personnel, work and facilities and shall observe all reasonable rules and instruction. Bidder's Team shall adhere to all security requirement/regulations of GRIDCO during the execution of the work. GRIDCO's employee also shall comply with its procedures/policy.
		37.3	The Bidder shall report as soon as possible any evidence, which may indicate or is likely to lead to an abnormal or dangerous situation and shall take all necessary emergency control steps to avoid such abnormal situations.
38.	Fairness and Good Faith	38.1	The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.
		38.2	Operation of the Contract: The Parties recognize that it is impractical in this Contract to provide for every contingency which may arise during the life of the Contract, and the Parties hereby agree that it is their intention that this Contract shall operate fairly as between them, and without detriment to the interest of either of them, and that, if during the term of this Contract either Party believes that this Contract is operating unfairly, the Parties will use their best efforts to agree on such action as may be necessary to remove the cause or causes of such unfairness, but no

			failure to agree on any action pursuant to this Clause shall give rise to a dispute subject to arbitration in accordance with Clause-15 hereof.
39.	Insurance	39.1	The Bidder shall take and maintain at their own cost, insurance coverage against the risks of their personnel and properties relating to this project. The coverage of insurance shall be the sole responsibility of the bidder & GRIDCO shall have no liability in any manner.
40.	Conflict of Interest	40.1	The Bidder shall not engage, and shall cause their Personnel not to engage, either directly or indirectly, in any business or professional activities which would conflict with the activities assigned to them under this Contract.
		40.2	If the Bidder is found to be involved in a conflict-of-interest situation with regard to the present project, GRIDCO may choose to terminate this contract as per Clause-30 of GCC.
41.	Standard of Performance	41.1	The Bidder shall perform the Services and carry out their obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted techniques and practices used with professional practices, engineering and consulting standards recognized by professional bodies, and shall observe sound management, and Technical and engineering practices, and employ appropriate advanced technology and safe and effective equipment, machinery, materials and methods. The Bidders shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to GRIDCO. The Bidder shall provide professional, objective and impartial advice and at all

			times hold the Client's interest paramount, strictly avoid conflicts with other projects or their own corporate interests.
42.	Expiration of Contract	42.1	Unless terminated earlier pursuant to Clause-30 hereof, this Contract shall terminate when, pursuant to the provisions hereof, the Services have been completed and the payments of remuneration and reimbursable expenditures have been made.

SECTION-IX

BIDDING FORMS

FORM F/01

RfP Submission Sheet

(To be submitted on Firm's Letterhead)

To,
Chief Project Manager (RE)
GRIDCO Ltd
Regd. Office, Janpath
Bhoinagar, Bhubaneshwar – 751022,
Odisha

Dear Sir,

Sub: Design, fabrication, supply and transportation, civil works, installation and commissioning including one year Operation & Maintenance of 120/150 Mtr. tall lattice masts along with allied wind data measuring instruments at 6 (Six) locations in the state of Odisha.

I, _____, M/s _____ herewith enclose the proposal for Design, fabrication, supply and transportation, civil works, installation and commissioning including one year Operation & Maintenance of 120/150 Mtr. tall lattice masts along with allied wind data measuring instruments at 6 (Six) locations in the state of Odisha.

We hereby confirm that we have read the provisions of the following clauses and further confirm that notwithstanding anything stated elsewhere to the contrary, the stipulation of the clauses of RfP are acceptable to us and we have not taken any deviation to these clauses.

a. Terms of Payment:

- b. Bid Security (EMD):
- c. Contract Performance Bank Guarantee:
- d. Deliverables:
- e. Bid Validity Period:
- f. Price Basis:

We further confirm that any deviation to the above clauses at Sl. No. (a) through (f) found anywhere in our Bid Proposal, implicit, shall stand unconditionally withdrawn, without any cost implication whatsoever to GRIDCO.

I hereby accept and abide by the scope & terms and conditions of RfP document unconditionally.

Signature of Authorized Signatory:

Full Name:

Designation:

Witnesses:

Name:

Designation:

Signature:

POWER OF ATTORNEY**(On Non-Judicial Stamp Paper of Appropriate value)**

KNOW ALL MEN BY THESE PRESENTS THAT WE M/s _____ A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF (NAME OF COUNTRY) HAVING ITS REGISTERED/PRINCIPAL OFFICE/PLACE OF BUSINESS AT _____ REPRESENTED BY (NAME OF PERSONS) (THE "EXECUTANT") DO HEREBY NOMINATE, CONSTITUTE, AUTHORIZE AND APPOINT MR. [_____Name of Attorney], SON OF [_____], RESIDENT OF [_____] AND PRESENTLY EMPLOYED WITH [Employer Name], A COMPANY/CORPORATION ORGANISED AND _____ EXISTING UNDER THE LAWS OF (NAME OF THE COUNTRY) AND HAVING ITS REGISTERED OFFICE/PRINCIPAL PLACE OF BUSINESS AT [] AS OUR TRUE AND LAWFUL ATTORNEY ('THE ATTORNEY') TO DO IN OUR NAME AND ON OUR BEHALF ALL OR ANY OF THE FOLLOWING ACTS, DEEDS AND THINGS IN CONNECTION WITH OR IN RESPECT OF OR RELATING TO THE NOTICE INVITING TENDER NO. [] DATED [] (THE "NIT") ISSUED BY GRIDCO LTD, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF INDIA AND HAVING ITS REGISTERED OFFICE/PRINCIPAL PLACE OF BUSINESS (UNDER THE COMPANIES ACT) (AT GRIDCO LIMITED., JANPATH, BHOI NAGAR, BHUBANESHWAR - 751022, ODISHA, INDIA) (THE "EMPLOYER") FOR THE EXECUTION OF THE SERVICES DESCRIBED IN THE NOTICE INVITING TENDER (NIT) (THE "SERVICES") THAT IS TO SAY:

TO PREPARE, OFFER, SIGN, SUBMIT AND DELIVER TO THE EMPLOYER THE EXECUTANT'S BID FOR THE SERVICES PURSUANT TO THE NIT (THE "BID") INCLUDING TO MAKE, SIGN SUBMIT, DELIVER, EXECUTE, AND ACCEPT ALL DOCUMENTS, INCLUDING APPLICATIONS AND OTHER WRITINGS NECESSARY FOR OR INCIDENTAL TO THE SIGNING, SUBMISSION AND DELIVERY OF THE BID TO THE EMPLOYER; TO NEGOTIATE, ENTER INTO, SIGN AND EXECUTE, ACCEPT AND DELIVER ALL CONTRACTS UNDERTAKINGS, ACCEPTANCES AND OTHER WRITINGS CONSEQUENT UPON ACCEPTANCE OF THE EXECUTANT'S BID; PARTICIPATE IN BIDDERS' AND OTHER CONFERENCES AND PROVIDE ALL INFORMATION REQUIRED BY THE EMPLOYER AND TO FURNISH/SEEK CLARIFICATIONS ARISING OUT OF OR RELATING TO THE NIT AND, UPON AWARD OF THE CONTRACT CONSEQUENT TO THE ACCEPTANCE OF THE EXECUTANT'S BID BY THE EMPLOYER;

TO REPRESENT AND ACT ON BEHALF OF THE EXECUTANT IN RESPECT OF ALL MATTERS BEFORE THE EMPLOYER RELATING TO THE EXECUTANT TO BID AND UPON THE ACCEPTANCE OF THE EXECUTANT'S BID BY THE EMPLOYER INCLUDING THE RESULTANT CONTRACT ON SUCH THE ACCEPTANCE OF THE EXECUTANT'S BID (THE "CONTRACT") IN RESPECT OF ALL MATTERS RELATING TO OR ARISING OUT OF OR CONCERNING THE CONTRACT AND TO GENERALLY DEAL WITH THE EMPLOYER ON BEHALF OF THE EXECUTANT IN ALL MATTERS ARISING OUT OF OR IN CONNECTION WITH OR RELATING TO OR ARISING OUT OF THE EXECUTANT'S BID. THE NIT AND THE CONTRACT IN THE EVENT OF ACCEPTANCE OF THE EXECUTANT'S BID BY THE EMPLOYER.

AND GENERALLY, TO DO ANY AND ALL OTHER AND FURTHER ACTS, DEEDS AND THINGS WHICH ARE NECESSARY FOR OR INCIDENTAL TO OR DEEMED APPROPRIATE FOR MORE EFFECTUAL EXERCISE OF THE POWERS HEREBY CONFERRED.

AND We, the Executant above named do hereby agree and undertake to ratify and confirm and do hereby ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Attorney pursuant to and in exercise of the powers hereby conferred and all acts, deeds and things done or caused to be done by our said Attorney pursuant hereto shall always be deemed to be the acts, deeds and things done by the Company itself.

IN WITNESS WHEREOF, THIS POWER OF ATTORNEY ON THIS [Date] DAY OF [Month], [2021] has been executed under the common seal of the Company, at (name of place).

For [Name of the Executant]

By

(Name of Officer)

Title

WITNESSES

- 1.
- 2.

Notes:

The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.

The Bidder should submit for verification the extract of the charter documents and documents such as a resolution of its Board of Director/ power of attorney in favour

of the person executing this Power of Attorney for delegation of power hereunder on behalf of the Bidder.

For a Power of Attorney executed and issued overseas, shall be duly apostilled as per Hague Convention 1961 or duly stamped in accordance with Indian Stamp Act, 1899 within three months from the date of receipt of POA in India.

*Strike out the form if not applicable for the bidder.

No Blacklisting Certificate

(To be submitted on Firm's Letterhead)

I, _____, M/s _____ hereby certify that I / we are not presently banned /de-listed/ black listed / debarred from business by any Central Government / State Government / Union Territory / PSU / Government Department or any entity controlled by them in India, on the grounds mentioned in Para 6 of Guidelines on banning of Business dealing and Eligibility Criteria Clause of Tender Document.

Signature of Authorized Signatory:

Full Name:

Designation:

Undertaking

(To be submitted on Firm's Letterhead)

I, _____, M/s _____ hereby certify that I/ we have neither failed to perform on any agreement nor been expelled from any project or agreement nor have had any agreement terminated for breach of contract by such bidder during last 05 (five) years.

If the information submitted above is found to be erroneous in future, the contract, if given to the firm shall be rejected without assigning any reasons thereof.

Signature of Authorized Signatory:

Full Name:

Designation:

Company's Financial Information

Details of Average Annual Turnover (Consolidated) from setting up wind resource assessment business for the past three financial years as per Audited Accounts need to be provided in the following format:

	FY:2020- 21	FY:2021- 22	FY:2022- 23
Company Annual Turnover (Consolidated) (Rs. in Crore)			

Average Annual Turnover (Consolidated) from setting up wind resource assessment Business in last Three Financial Years: Rs..... Crores.

Note:

1. Consolidated Audited Annual Reports/Financial Statements for last three applicable financial years have to be provided as proof for company turnover (Consolidated) from setting up wind resource assessment business.
2. The above statement shall be duly certified by the Chartered Accountant firm as proof for Turnover (Consolidated) from setting up wind resource assessment services based on the Audited Accounts.

Company's Net-worth Information

Net Worth for the past three financial years as per Audited Accounts need to be provided in the following format:

	FY:2020-21	FY:2021-22	FY:2022-23
Company Net Worth (Rs. in Crore)			

Note:

1. Consolidated Audited Annual Reports/Financial Statements for last three applicable financial years have to be provided as proof for company Net Worth.
2. The above statement shall be duly certified by the Chartered Accountant firm as proof for Net Worth based on the Audited Accounts.

PROOF OF EXPERIENCE OVER 5 YEARS

As proof of bidder’s experience of over 5 years of setting up wind resource assessment system in Indian power sector, the copy of work order and work completion certificates mentioning the nature of work, the period during which the work was done meeting eligibility criteria under Section IV.8.

(In case of non-availability of work completion certificate, the final payment receipt with the copy of invoice raised shall be submitted)

Name of Project	Name of Client Organization	Project Capacity	Start and End Date of Project	Relevant Proof like LoA / WC Certificate Submitted (Y/N)

Signature of Authorized Signatory:

Full Name:

Designation:

Project Management Experience

The Bidder's relevant past experience regarding setting up wind resource assessment system meeting eligibility criteria and Bid evaluation criteria.

Bidder should submit the details as per the format in the table provided below and necessary supporting documents such as LoA/work order/contract/client citation/ confirmation for work done should be enclosed.

Name of Project	Name of Client Organization	Duration	Start and End Date of Project	Value of work order (Rs. Lakhs)	Relevant Proof Submitted (Y/N)

Prior experience with Odisha Power Sector

The Bidder’s relevant past experience of working with Department of Energy, Government of Odisha / Odisha Regulatory Commission / Other Odisha Power Entities / IDAs with Odisha specific projects in last 5 years meeting Bid evaluation criteria.

Bidder should submit the details as per the format in the table provided below and necessary supporting documents such as LoA/work order/contract/client citation/ confirmation for work done should be enclosed.

Name of Project	Name of Client Organization	Duration	Start and End Date of Project	Value of work order (Rs. Lakhs)	Relevant Proof Submitted (Y/N)

Price Proposal (To be submitted on Firm's Letterhead)

To,
Deputy General Manager (HRD)
GRIDCO Ltd
Regd. Office, Janpath
Bhoinagar, Bhubaneswar – 751022,
Odisha

Dear Sir,

Sub: Design, fabrication, supply and transportation, civil works, installation and commissioning including one year Operation & Maintenance of 120/150 Mtr. tall lattice masts along with allied wind data measuring instruments at 6 (Six) locations in the state of Odisha.

Reference No. _____

I, _____, M/s _____ herewith enclose Price Proposal against the subject RfP for Design, fabrication, supply and transportation, civil works, installation and commissioning including one year Operation & Maintenance of 120/150 Mtr. tall lattice masts along with allied wind data measuring instruments at 6 (Six) locations in the state of Odisha.

I hereby accept and abide by the scope & terms and conditions of RfP document unconditionally.

Yours Faithfully,

Signature of Authorized Signatory:

Full Name:

Designation:

Price Proposal for WRA on Turnkey basis

Sl. No.	Wind Potential Site Visit Details	District	Finalised WRA Mast Coordinate	Cost of 120 meter Wind Resource Assessment (WRA) as per the scope mentioned in the RFP (except GST) in figure	Cost of 120 meter Wind Resource Assessment (WRA) as per the scope mentioned in the RFP (except GST) in words	Cost of 150 meter Wind Resource Assessment (WRA) as per the scope mentioned in the RFP (except GST) in figure	Cost of 150 meter Wind Resource Assessment (WRA) as per the scope mentioned in the RFP (except GST) in words
1	Gopalpur	Ganjam	19°14'04.27"N 84°51'30.27"E				
2	Sonapur	Ganjam	19°07'41.98"N 84°46'48.80"E				
3	Marine Drive	Puri	19°53'6.13"N 85°58'12.95"E				
4	Paparahandi	Nabarangpur	19°35'21.51"N 82°31'37.49"E				
5	Ramsing Prasad	Khurdha	20°10'34.29"N 85°32'08.18"E				
6	Puri	Puri	19°47'33.87"N 85°46'06.14"E				

Note:

- i. Any location may be added or replaced with existing location. Clarity regarding same, will be provided in Pre-Bid meeting or corrigendum will be issued in respect of same.
- ii. GRIDCO will not be required to pay and/or reimburse anything over and above the price quoted except GST, which will be payable as per the rate prevailing at the time of payments.
- iii. For evaluation purpose, the cost for each site shall only be considered. However, GRIDCO may negotiate with the bidder if required.
- iv. The prices shall be inclusive of all work items required for entire scope of WRA assessment.

Price Proposal for WRA on Rent basis

Sl. No.	Wind Potential Site Visit Details	District	Finalised WRA Mast Coordinate	Cost of 120 meter Wind Resource Assessment (WRA) as per the scope mentioned in the RFP (except GST) in figure	Cost of 120 meter Wind Resource Assessment (WRA) as per the scope mentioned in the RFP (except GST) in words	Cost of 150 meter Wind Resource Assessment (WRA) as per the scope mentioned in the RFP (except GST) in figure	Cost of 150 meter Wind Resource Assessment (WRA) as per the scope mentioned in the RFP (except GST) in words
Detailed Scope under Lease Basis: Supply/deployment of onshore met masts with meteorological sensors- on lease basis including delivery, Installation & Commissioning and measurements for a period of one-year. The data collection, Data retrieval to and Data validation from NIWE from respective sites, including insurance, watch & ward (24x7) etc., as per the scope of work (the price should be inclusive of all rental/lease charges).							
1	Gopalpur	Ganjam	19°14'04.27"N 84°51'30.27"E				
2	Sonapur	Ganjam	19°07'41.98"N 84°46'48.80"E				
3	Marine Drive	Puri	19°53'6.13"N 85°58'12.95"E				
4	Paparahandi	Nabarangpur	19°35'21.51"N 82°31'37.49"E				
5	Ramsing Prasad	Khurdha	20°10'34.29"N 85°32'08.18"E				
6	Puri	Puri	19°47'33.87"N 85°46'06.14"E				

Note:

- Any location may add to or replaced with existing location. Clarity regarding same, will be provided in Pre-Bid meeting or corrigendum will be issued in respect of same.
- The financial evaluation shall be based on the above Financial Proposal. The Total shall, therefore, be the amount for purposes of evaluation.
- Goods & Service Tax as per applicable law shall be paid by GRIDCO as per rules
- The least cost proposal will be ranked as L-1 and the next higher and so on will be ranked as L-2, L-3 etc. The least cost proposal (L-1) will be considered for award of contract, subject to meeting techno-commercial requirements.
- Completed split-up details for the above quote should be provided by the successful bidder on request.
- Financial evaluation will be done in INR only.
- **Do not quote your rates here. The rate should be quoted in BOQ. XLS only.**

SECTION-X

TECHNICAL SPECIFICATION

i. Lattice Tower for wind measurements:

- The design, fabrication, includes supply & transportation, civil foundation works, erection and commissioning of 120 Meter or 150 Meter lattice masts.
- The mast needs to be made up to 120 m or 150m height using multiple segments of square cross section. The tower width should not be more than 400x400mm for 120 meter and 450x450 mm for 150-meter lattice masts. The design of the structural sections of the mast should confirm to IS 800-2007 specification. Easy transportation of mast segment and its assembly is to be taken care of as some times sites identified will be rigid tops.
- The design of the tower including booms with its joint at tower face and the foundation, should be complete in all aspect and to be certified by IIT, Chennai or CSIR-Structural Engineering Research Centre, Govt. of India.
- The mast structure shall be guyed in suitable number of places at equal degrees apart and at suitable levels as per international standard ensuring safety and stability of the system. Provision shall be made for the adjustment of the tension of each guy.
- **Mast Material** - The mast materials should be galvanized mild steel and should confirm to IS 277:2003. Foundation bolts and other hardware has to be hot dip / spray galvanized and should confirm to IS 2629-1985. The mast segments have to be factory painted orange and white as per aviation rules.
- **Guy wire size** - The diameter of the guy wires should be such that it is easy to handle at the time of installation, dismantling and storing. The material should be galvanized steel / fiber core wire ropes and should confirm to IS 2266:2002. The guy wire should be precut and swaged to guy rings. A minimum Pre-tension of 10% of UTS (Ultimate Tensile Strength) should be maintained to ensure structural tensile action of the guy under all windy conditions.
- **Structural Configurations**

- a. 120 Mtr. /150 Mtr. guyed tower is to be assembled with ease.
- b. Mast to be supported at approximate levels with required number of guy wires at each level.
- c. Galvanized/Fiber core guy wire ropes with two guy radii configuration or as per design approved by an authorized Structural Engineer/Firm.

ii. Provision of ladder on the tower

- It is suggested that the suitable and convenient size accessories are welded as ladder (8 mm round rods) to carry out O&M operation at a later stage. The distance between each step of the ladder would be 150-175 mm (6 to 7 inches).
- A vertical fall protection system with ladder latch unit and fall protection cable must be provided ensure safety while climbing. A special provision (multiple platform) must be given for fixing instruments while commissioning. The platform design shall be of open-close type in order to avoid any hindrances to the wind measurement.

iii. Boom arrangement for instruments and sensors and structural arrangement for Data logger:

- A convenient structural arrangement and steel section with appropriate sensor mounting arrangement are to be provided for the boom as per IEC 61400-12-1 (wherever applicable) fixing 8 Nos. of Cup Anemometers at 7 levels (150m – 2 numbers (North & South) , 120m – 1 Number, 100m – 1 number, 80m- 1 number, 50m - 1 number, 30m - 1 number and 10m - 1 number wind vanes at 4 levels (148m - 1 number, 118m – 1 number, 98m – 1 number and 48m –1 number). Shield Cables are to be provided by the bidder/ contractor at the time of commissioning.
- The wind sensor boom length needs to be at least 6 to 7 times of the face width from the tower center line (Standoff distance). The boom and its support structure should be designed appropriately to carry the sensor (including mountings) weighing about 2 to 3 kgs

iv. Arrangements for lifting tools and tackle from the top of the tower:

Some arrangement need to be provided on the ladder face of the tower where there is a boom arrangement to lift tools and other accessories to any part of the tower for O&M.

v. Foundation for tower (Central foundation) & Guy support foundation:

- The casting and civil foundation works for the mast and guys shall be done by the bidder to suit the site requirements. The foundations should be suitably elevated above the natural ground level to avoid contact of water with anchors/guys/mast. Soil Bearing capacity (SBC) for hard strata is to be considered depending upon the engineering properties of soil and SPT “N” values for the determination of SBC.
- Minimum M30 grade concrete is to be used for foundation (if the soil contains chlorides and sulphates beyond acceptable limits, concrete need to be protected with bitumen paint. All the guy support foundations are to designed assuming submerged in the sea water. Analysis of the sulphate content of salt water has to be carried out to decide on the coatings required for the tower portion, which is in the underwater zone. Rebar to conform to the requirements of CRS of Fe500 specification grade can be used. All rebar to have a minimum of 75mm concrete cover. The type and depth of the foundation shall be decided by the design engineer. Design and appropriate calculation sheets (design/load) are to be enclosed along with the tender document duly attested by the authorized Structural Engineer/firm. Soil and salinity should be given special consideration in design, material selection of structure guys and foundation. The complete report along with results of the laboratory test must be submitted to GRIDCO before initiating the foundation work at the site.

vi. Corrosion Protection Requirements

The mast shall be protected against corrosion corresponding to class IM2, Atmospheric Corrosion Category C5-M, according to ISO 12944-2. Passive Corrosion protection system i.e; coatings on tower, guy wire, foundation shall be implemented for meeting the corrosion requirements at the site. It is recommended to use special coatings available on the market (e.g. dense epoxy and dense polyurethane coatings). The choice of materials, coating thickness, workmanship, testing etc. shall comply with ISO 12944 or an equivalent standard. Guywire protection may be done with suitable grease.

vii. Earthing & Lightning arrestor

Earthing and lightning arrestor arrangements for the mast and instruments needs to be provided separately as per IEC rules. The Earthing and lightning arrestor arrangements must be a separate entity without touching the mast structure by providing sufficient rubbers in between to maintain below 6 ohms of resistance.

viii. Instruments and sensor locations:

The technical specifications for wind masts, data logger and sensors are furnished in the Annexures. The instruments/sensors to be installed at each mast are as follows:

Sl. No.	Instrument type Height	Height/level (For 120 Mtr. Mast)	Height/level (For 150 Mtr. Mast)	Remarks
1	Wind speed sensor (Cup Anemometer) (Calibration as per Measnet)	Shall be as per IEC Standard & NIWE Guideline	150m North 150m South 120m South 100m South 80m South 50m South 30m South 10m South	Detailed specifications attached in Annexure - A.
2	Wind direction sensor (Wind Vanes)	Shall be as per IEC Standard & NIWE Guideline	148m North 118m North 98m North 48m North	Detailed specifications attached in Annexure - B
3	Temperature sensor	Shall be as per IEC Standard & NIWE Guideline	10m and 120 m levels	
4	Pressure sensor	Shall be as per IEC Standard & NIWE Guideline	10m and 120 m levels	

Sl. No.	Instrument type Height	Height/level (For 120 Mtr. Mast)	Height/level (For 150 Mtr. Mast)	Remarks
5	Relative Humidity sensor	Shall be as per IEC Standard & NIWE Guideline	10m and 120 m levels	
6	Data logger	Shall be as per IEC Standard & NIWE Guideline	5m	Detailed specifications are attached in Annexure-C
7	Specifications for wind masts	Shall be as per IEC Standard & NIWE Guideline		

ix. One Year Comprehensive O&M - The Bidder/Contractor shall provide one-year comprehensive O&M for the masts and shall ensure one year of successful data collection with requisite data availability by the way of effective rectification of masts, sensors etc. During rectification work, a joint visit will be carried out by the GRIDCO ground team along with the contractor's team, wherein GRIDCO team will provide the sensor and under their supervision, the contractor will be asked to replace the sensors, if required.

Data Handling:

- The real time data from the data loggers shall be transferred directly to GRIDCO/ NIWE server at on daily & monthly basis and also provision to provide, downloading of data on regular basis
- Duration of data collection from each site/ mast would be 12 months/ one-year period from the date of commissioning.
- The bidder should provide the uptime of 98% in a year (100% during windy seasons namely May – October). If 100 % data are not collected during high wind season, the

data collection will be extended for further one year without any additional cost to GRIDCO.

- Data availability shall be 98% on monthly basis.
- Bidder is solely responsible for data security / data breach outside GRIDCO while data transfer.

General:

- Provide warning light signal as per the aviation requirements at three levels (150m, 100 m & 80m) powered with solar power backup.
- Provide Orange & White paints as per the aviation requirements. Painting shall be anti-rust coating with marine grade/epoxy painting.
- **DATA ACQUISITION, STORAGE, MIS REPORT INCLUDING COMMUNICATION-**
- The bidder has to follow the standard norms of GDPR (General Data Protection Regulation).
- The bidder shall provide MIS report along with all required parameters duly certified by NIWE. The bidder shall archive, the acquired data for a period of 24 months since commissioning.
- The bidder shall be responsible for providing complete set up datas to comply the audit trail mechanism.
- The Data Acquisition Head End System shall have built in features and logics to compute the data for a specific interval in case of data/communication loss. The Bidder shall share the details calculations and logics for further validation at GRIDCO/NIWE end.
- Bidder shall responsible to provide Data acquisition process and frequency shall follow as per predefined intervals.
- Sufficient backup for 10 days' power autonomy
- The tender is expected to be a turnkey supply, execute and commission package. The package includes fabrication of mast and accessories, items for civil works, sensor mounts (for all the sensors), data logger housing with mounting accessories, lightning arrestor kit including copper wire earthing pipe (separate earthing arrangements for

tower and instruments), packing, transportation, civil works, installation, commissioning, climbing mast, instrumentation of sensors/ dataloggers, comprehensive operation and maintenance, rectification of the mast and replacement of sensors at field stations. During rectification work, a joint visit will be carried out by the NIWE/GRIDCO designated agency ground team along with the contractor's team, wherein NIWE/GRIDCO designated agency team will provide the sensors and their supervision, the contractor will be asked to replace the sensors, if required.

- In the event of structural failure of any component/ part of the structure within the guarantee period specified, on account of the manufacturing defect, the bidder shall undertake to replace the component/parts which have failed and those which were damaged as a result thereof, free of cost and bear the expenditure to be incurred for re-erection of the tower.
- The bidder should guarantee the stability, safety, durability and satisfactory mechanical behavior of the structure under the condition of specified loading and shall ensure one year of successful data collection with requisite data availability. The guarantee shall hold good for a period of two years from the date of handing over the tower. However, the bidder has to design wind mast based on the 50 years of extreme wind speed as these locations are cyclone prone area.
- The guy wires should be pretension in sequence so that minimum tension is retained even on the leeward side guys at all times.
- One year of O&M from the date of commissioning including Insurance for the Meteorological mast, Instruments / Sensors and all associated equipment. ISI/BS specifications / standards as far as possible shall be adhered.

Annexure - A: ANEMOMETER SENSOR WITH CALIBRATION

Sl. No.	Specifications	Requirement
ANEMOMETER SENSOR with Measnet calibration		
1	Sensor type	3-Cup Anemometer
2	Class	Class: Less than Class2A and Class 4B, without heating, classification report as per IEC-61400-12-1-2017 ed.2 should be submitted by the bidders
3	Accuracy	±2% or better
4	Range	1 m/s to 75m/s
5	Supply voltage	9 - 12 VDC
6	Starting wind speed (Threshold)	9 - 12 VDC
7	Operating Temperature	-5 to +60°C
8	Calibrated	As per the requirements of IEC 61400-12-1 (in vogue) MEASNET Calibrated (each sensor should be calibrated as per MEASNET and each sensor should be provided with its respective calibration certificate)
9	Compatibility	Instrument which is compatible with all the data loggers. If any additional interface card/ connector/ converter is required, the same has to be provided by the vendor as per the request of NIWE with no additional charge
10	Signal type	Low level AC/DC –Signal (4 – 20 mA/ 0-5 V DC)/ frequency (count) signal
11	Operating Humidity range	0 to 100% relative humidity non-condensing
WIND VANE SENSOR		
1	Sensor type	Continuous rotation potentiometric type / Tunnel magneto resistance wind direction vane

2	Uncertainty	±3° or better
3	Compatibility	0 to 360° continuous rotation
4	Starting wind speed (Threshold)	Instrument which is compatible with all the data loggers. If any additional interface card/ connector/ converter is required, the same has to be provided by the vendor as per the request of GRIDCO with no additional charge
5	Input Voltage range	< 1 m/s at 10° amplitudes according to ASTM-Standards D5366-96 < 0.4 m/s at 90° amplitude according to VDI-Standard 3786 Part 2
6	Survival Speed	Max 65 m/s or better
7	Dead band	No Dead Band
8	Output Signal Range	Analog signal compatible to data logger. If any additional Interface Card/Connector/Converter are required, the same has to be provided by the vendor as per the request of GRIDCO with no additional charges
9	Operating Temperature	-5 to +60°C

The bidder should submit all the relevant documents in support of their product technical compliance with GRIDCO's requirement (item-wise)

Annexure - B: TEMPERATURE & HUMIDITY SENSOR WITH RADIATION SHIELD
TEMPERATURE & HUMIDITY SENSOR WITH RADIATION SHIELD

Sl. No.	Specifications	Requirement
TEMPERATURE		
1	Sensor Type	RTD
2	Sensor Range	- 50 C to + 600 C
3	Accuracy	±0.5°C or better with radiation shield
4	Input Voltage range	9 - 12 VDC
5	Output	4-20 mA/ 0-5 V DC
6	Operating Temperature	-5 to +60°C
7	Operating Humidity range	0 to 100% relative humidity non-condensing
RELATIVE HUMIDITY		
8	Sensor Range	0 to 100% RH
9	Accuracy	±2% or better
10	Sensor Type	Capacitance type/ Polymer capacitor Type Humidity sensor
11	Stability	±1% per year or better
12	Calibration Certificate for each of the sensor	From any NABL accredited body/ agency. The supplier has to submit all the calibration certificates at the time of delivery.

MULTI PLATE RADIATION SHIELD: A Multi Plate Radiation Shield to protect temperature and relative humidity sensors from the errors produced by Solar Radiation and Precipitation. The multi plate radiation shield should block the direct and reflected solar radiation and permit the flow of air. The radiation shield should be made of high reflective, low thermal conduction and weather resistant material. The design of the radiation shield should be such that it covers the temperature and humidity

BAROMETRIC PRESSURE SENSOR

SN	Specifications	Requirement
1	Purpose	Measurement of Air Pressure
2	Range	500 to 1100 hPa

3	Accuracy	±1.0 mb or better
4	Input Voltage range	9 - 12 VDC
5	Output	4-20 mA/ 0-5 V DC
6	Operating Temperature	-5 to +60°C
7	Operating Humidity range	0 to 100% relative humidity non-condensing
8	Calibration Certificate for each of the sensor	From any NABL accredited body/ agency. The supplier has to submit all the calibration certificates at the time of delivery.

The bidder should submit all the relevant documents in support of their product technical compliance with GRIDCO's requirement (item-wise)

Annexure-C: DATA LOGGER WITH COMMUNICATION DEVICE

DATA LOGGER WITH COMMUNICATION DEVICE		
Sl.no	Specifications	Requirement
1	Channels	Analog- 8 channels and above Counter-8 channels and above RS485-2 channel and above
2	Minimum Parameters to be recorded for each channel	Time stamped data: 1. Average 2. Standard deviation 3. Minimum 4. Maximum 5. Turbulence 6. Gust
3	Communication Port (for accessing datalogger remotely)	Ethernet port or USB port, Multimedia card and online
4	Resolution for Analog to Digital Conversion	16 bit ADC or better
5	Data Sampling rate	1 Hz (Frequency measurement according to IEC-61400-12-1) and should be displayed in the UI display, as and when needed.
6	Real time data	1. Mandatory (Data collection through Internet) 2. Modem/communication device must be a part of the supply
7	Data Delivery	Internet & MMC card, Ethernet (optional)
8	Supply Voltage	9V to 36V DC
9	Storage medium	1. Internal memory should be capable of storing minimum 2-year data at 10 minutes interval and 2. External Memory – 2 GB or above

10	Averaging Interval	User selectable averaging time 1 min,10min
11	Communication/ Telemetry	GPRS/ 3G/ 4G for uninterrupted instant and unlimited access for site-wise data downloading directly to NIWE/ / GRIDCO designated agency server, analysis and monitoring.
12	Data Encryption	Required (both in server side and multimedia card side is essential). Relevant software is to be provide along with the datalogger to decrypt the data.
13	Interface	Data logger should be compatible with all sensors (Anemometer& wind vane). In case of any need for interface card/ connectors, the same has to be provided by the bidder along with the datalogger, as per the request of NIWE/GRIDCO designated agency with no additional charge.
14	Power Supply to Sensor	To be provided from data logger
15	Remote access of data logger	1. Provision for automatic download & user defined download time of the raw data/Real time data directly to the NIWE/ NIWE's client server with necessary software 2. Provision for data logger configuration, setting of date and time, firmware update etc. through remote access must be available
16	Configuration of Datalogger	Configuration of datalogger through online (by Desktop computer or Laptop only) and Ethernet port or manual.
17	Software	1) The vendor has to provide all the relevant softwares including firmware (as & when required) 2) Data logger software must be compatible with Operating system like Windows 10, Windows 8 and as per the requirement of NIWE/ GRIDCO designated agency. 3) Software must have the capability to automatically download all wind data as detailed above
18	Guarantee/Warranty	For a period of minimum 1 years is required.

20	Weather proof housing for protection (protocol)	Protocol IP 65 or NEMA4.4X13 or better
21	Physical Dimension	Less than 3 kg
22	Normative reference for data storage	Strictly as per IEC 61400-12-1
23	Graphic (UI) display	Required. The data logger must have a user interface display to view the setting/ real time (instantaneous) data/ logger status/ etc.
24	Automatic Data downloading	Instant and unlimited access to real time wind data via GPRS and Satellite modem. Provision to download the raw data directly to NIWE/ GRIDCO designated agency server is mandatory.
25	Timestamp	GPS synchronized and geo-located data
26	Norm	IEC 61400-12-1 (Data to be collected, shared & displayed as per IEC norms.)

The bidder should submit all the relevant documents in support of their product technical compliance with GRIDCO's requirement (item-wise)

ANNEXURE– 1: Contract Form

THIS CONTRACT made the _____ day of _____, _____, between _____ of _____ (hereinafter “GRIDCO”), of the one part, and _____ of _____ (hereinafter “the bidder”), of the other part:

WHEREAS GRIDCO invited bids for Services, viz., _____ and has accepted a Bid by the Bidder for the estimated Contract Value for the sum of Rs. _____ (hereinafter “the Contract Price”).

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the Contract referred to.
2. The following documents (collectively referred to as “Contract Documents”) shall be enclosed herewith and shall be deemed to form and be read and construed as part of this Contract, viz.:

- a) ITB (As per Enclosure)
- b) Scope of Services (As per enclosure)
- c) General Conditions of Contract (As per enclosure)
- d) Payment Term. (As per enclosure)
- e) Accepted Price Proposal. (As per Enclosure)
- f) Letter of Award (LOA). (As per enclosure)
- g) Contract Performance Bank Guarantee. (As per enclosure)

In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the reverse order listed above.

3. In consideration of the payments to be made by GRIDCO to the Bidder as indicated in this Contract, the Bidder hereby covenants with GRIDCO to provide the Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. GRIDCO hereby covenants to pay the Bidder in consideration of the provision of the Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the

Contract.

IN WITNESS whereof the parties hereto have caused this Contract to be executed in accordance with the laws of _____ on the day, month and year indicated above.

Signed by _____ **(Authorized official of the GRIDCO)** **Signed by**
_____ **(for the Bidder)**

ANNEXURE- 2: Contract Performance Bank Guarantee

(To be executed on non-judicial stamp paper as per Stamp Act.)

Date:

Contract Name and No.:

To:

WHERE AS _____ (hereinafter “the Bidder”) has undertaken, pursuant to Contract No. _____ dated _____, _____ to take up the project for Electricity Demand Forecasting and Development of Power Trading Strategy for GRIDCO (hereinafter “the Contract”).

AND WHEREAS it has been stipulated by you in the aforementioned Contract that the Bidder shall furnish you with a security _____ issued by a reputable guarantor for the sum specified therein as security for compliance with the Bidder’s performance obligations in accordance with the Contract.

AND WHEREAS the undersigned _____, legally domiciled in _____, (hereinafter “the Guarantor”), have agreed to give the PMC a security:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Bidder, up to a total of _____ and we undertake to pay you, upon your first written demand declaring the Bidder to be in default under the Contract, without cavil or argument, any sum or sums within the limits of _____ as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein. ***The guarantee can be presented by GRIDCO at any of our branches at Bhubaneswar who will pay the claim amount to GRIDCO immediately.***

In case of any delay by the Guarantor, in remitting the amounts under the present Guarantee, within 15 days from the date of receipt of notice of demand from GRIDCO, the Guarantor agrees to pay interest at the rate of 18% per annum compounded on quarterly rests from the date of demand, until the date of payment.

The Guarantor also agrees that GRIDCO at its option shall be entitled to enforce this Guarantee against the Guarantor as a principal debtor, without proceeding against the Bidder and notwithstanding any security or other guarantee GRIDCO may have in relation to the Bidder's liabilities.

Provided that the liability of the Guarantor under this Guarantee shall not exceed the said amount of Rs. (_____ / - / Indian Rupees _____ only) exclusive of interest payable on the amount demanded in the notice till the date of payment to GRIDCO and interest thereon. Any disputes concerning or under this Guarantee shall be subject to the jurisdiction of courts located in

This security is valid until the _____ day of _____. Name _____ In the capacity of _____ Signed _____ Duly authorized to sign the security for and on behalf of _____ Date _____

Notwithstanding anything contained herein above.

- i) Our liability under this Bank Guarantee shall not exceed Rs _____ (Rupees _____) only.

- ii) The Bank Guarantee shall be valid up to _____ only.

- iii) We or our Bank at Bhubaneswar (Name & Address of the Local Bank) are liable to pay the guaranteed amount depending on the filing of claim and any part thereof under this Bank Guarantee only and only if you serve upon us or our local Bank at Bhubaneswar a written claim or demand and received by us or by Local Branch at Bhubaneswar on or before Dt. _____ otherwise bank shall be discharged of all liabilities under this guarantee thereafter. **For _____ (indicate the name of the Bank)**

N.B.:

- (1) Name of the Bidder:
- (2) No. &Date of the Letter of Award / Contract:
- (3) Amount of the Bank Guarantee: Rs.....
- (4) Validity period or date up to which the Contract is valid:
- (5) Signature of the Constituent Authority of the Bank with seal:
- (6) Name &Addresses of the Witnesses with signature:
- (7) The Bank Guarantee shall be accepted only after getting confirmation from the respective Bank(s).

In the presence of

1. Name & Address _____

Witness _____

2. Name & Address _____

Witness _____

ANNEXURE- 3: Indemnity & Insurance

Awardee

Indemnify: – The successful bidder qualify for award of works (awardee) shall indemnify GRIDCO its successors, assigns, directors, officers, employees, agent from and against all claims, demands, action, suits, damages, liabilities, losses, costs and expenses (of or by a third party or involving a claim by a third party) arising out of the work undertaken, if any bodily injuries or death occasioned in course of employment under the awardee for execution of work.

Insurance: - The awardee shall purchase insurance policy in group insurance scheme from Nationalize insurance company insuring all the employees either on daily wages or on contract basis in all general also in hazardous work. GRIDCO shall not held liable if any injury, damage, death occasion during execution of work contract.

ANNEXURE-4: DOCUMENTS TO BE UPLOADED

Sl. No.	Particulars	
1.	Scanned Copy of EMD details	
2.	Documentary evidence shall be submitted along with the bid.	
3.	Eligibility criteria form duly filled in as per Annexure 8	
4.	Customer Feedback certificate for five (5) successful projects in the area of supply and installation commissioning pf met mast as per Clause 15 of GCC	
5.	Technical Compliance Sheet as per Annexure 11	
6.	Commitment /Undertaking letter in vendor letter headas per clause General 3.9 (point no 3)	
7.	Eligibility criteria form duly filled in as per Annexure 8	
8.	Registration copy and GST Certificate of the organization	
9.	Auditor Certificate confirming the Turnover for the past three years 2020-21,2021-22 & 2022-23.	
10.	Duly filled Bid form 1, Annexure 3, Annexure 7, Annexure 12 and Annexure 15	

APPENDIX-I: E-TENDER LOGIN AND BID SUBMISSION GUIDELINES

The bidder shall submit the bid in Electronic Mode only i.e., with tender website www.tenderwizard.com/GRIDCO. The bidder must ensure that the bids are received in the specified tender website of GRIDCO by the date and time indicated in the Tender notice.

Bids submitted by telex/telegram will not be accepted. No request to submit the Bids in physical form will be entertained by GRIDCO.

GRIDCO reserves the right to reject any bid, which is not submitted according to the instruction, stipulated.

I. The Bidder must possess Compatible Digital Signature Certificate (DSC) of Class-III.

II. Bidders are requested to follow the below steps for Registration on the tender website:

- a. Click "Register", fill the online registration form.
- b. Pay the mentioned amount through online payment to the GRIDCO Ltd. This registration is valid for one year.
- c. Send the acknowledgment copy for verification.
- d. As soon as the verification is done the e-tender user id will be enabled.

III. After viewing Tender Notification, if bidder intends to participate in tender, he has to use his e-tendering User Id and Password which would have been received after registration.

IV. If any Bidder wants to participate in the tender, he will have to follow the instructions given below:

- a) Insert the PKI (which consist of your Digital Signature Certificate) in your System.
 - i. (Note: Make sure that necessary software of PKI be installed in your system).
 - ii. Click / Double Click to open the Microsoft Internet Explorer.
 - iii. Type www.tenderwizard.com/GRIDCO in the address bar, to access the Login Screen.
 - iv. Enter e-tender User Id and Password, click on "Go".

- v. Click on “Click here to login” for selecting the Digital Signature Certificate.
- vi. Select the Certificate and enter DSC Password.
- vii. Re-enter the e-Procurement User Id Password.

5. To make a request for Tender Document, Bidders will have to follow below mentioned steps.

- Click “Un Applied” to view / apply for new tenders.
- Click on Request icon for online request.
- Pay the amount through online payment to the GRIDCO Ltd. for tender Processing fee.

6. After making the request, Bidders will receive the Bid Documents which can be checked and downloaded by following the below steps:

- Click to view the tender documents which are received by the user.
- Tender document screen appears.
- Click “Click here to download” to download the documents.

7. After completing all the formalities Bidders will have to submit the tender and they must take care of following instructions.

- Prior to submission, verify whether all the required documents have been attached and uploaded to the particular tender or not
- Note down / take a print of bid control number once it is displayed on the screen

8. Competitors bid sheets will be available in the website.

9. For any e-tendering assistance, contact help desk number mentioned below.

Bhubaneswar – 0674- 2543452 or Mobile No. 8882022067

APPENDIX-II: PROPOSED SITE DETAILS

Sl. No.	Wind Potential Site Visit Details	District	Finalised WRA Mast Coordinate	Name of DISCOM	Nearest Railway Station	Nearest Airport	Nearest OPTCL Substation with GPS coordinate		LT/11 kv available to nearest Wind Power Project with GPS coordinate	
1	Gopalpur	Ganjam	19°14'04.27"N 84°51'30.27"E	TPSODL	Brahmapur	Rangailunda Airport	Berhampur OPTCL Substation (132/33 kV)	19°19'43.9"N 84°45'53.8"E	33/11 KV Gopalpur Substation	19°15'35.2"N 84°54'05.2"E
2	Sonapur	Ganjam	19°07'41.98"N 84°46'48.80"E	TPSODL	Surala Road	Rangailunda Airport	Berhampur OPTCL Substation (132/33 kV)	19°19'43.9"N 84°45'53.8"E	33/11 KV Patrapur	19°07'45.0"N 84°34'02.1"E
3	Marine Drive	Puri	19°53'6.13"N 85°58'12.95"E	TPCODL	Malatipatapur	Bhubaneswar	Puri OPTCL Substation (132/33 kV)	19°49'27.5"N 85°51'14.7"E	33/11 KV Substation Bamanal , Electric Office Salanga	20°00'34.0"N 85°58'15.9"E
4	Paparahandi	Nabarangpur	19°35'21.51"N 82°31'37.49"E	TPWODL	Junagarh Road	Utkela Airport	Dabugaon OPTCL Substation (132/33 kV)	19°26'25.4"N 82°24'35.3"E	33/11 KV Temra Substation	19°39'11.2"N 82°38'31.7"E
5	Ramsing Prasad	Khurdha	20°10'34.29"N 85°32'08.18"E	TPCODL	Khurda town	Bhubaneswar	Karadagadia OPTCL substation (132/33kV)	20°11'37.0"N 85°31'39.5"E	33/11 KV Kholadwar	20°09'19.1"N 85°39'43.6"E
6	Puri	Puri	19°47'33.87"N 85°46'06.14"E	TPCODL	Puri	Bhubaneswar	Grid Substation Shamuka (132/33 kV)	19°47'45.6"N 85°46'36.0"E	33/11 KV Niali	20°07'58.0"N 86°03'29.4"E