

CONSULTANT (Wind Energy Project)

I. Introduction

The Major Ports of Chennai, V.O. Chidambaranar and Ennore Ports Ltd through Indian Ports Association (IPA) have decided to set up on shore wind power projects starting with an approximately 50 MW Wind Power plant in Tamil Nadu or at a suitable location. In this connection, these three ports will float a single RFP/Tender jointly to set up one single plant. Also the Ministry of Shipping through the Major Ports is considering setting up of off-shore wind power projects. The work related to development of on-shore and off-shore wind power requires the guidance of an expert in the field.

The responsibility of a consultant starts from formulation of prequalification requirement, preparation of RFP document(as required) for selection of and finalization of EPC work and EPC vendor, conducting pre-bid meeting towards successful finalization of order. The consultant will also assist in supervision and oversight the project during installation and final commissioning.

II. Purpose of the Position

The Consultant (Wind Energy Project) will guide and assist three Major Ports namely Chennai, V.O Chidambaranar and Ennore in setting up on-shore wind power projects with 50 MW wind power plant in Tamil Nadu or at a suitable location.

III. Eligibility Criteria

The consultant should have at least 8 years of experience in resource assessment, site selection and micro siting the field of wind power. Experience in government and with government bodies will be preferred

IV. Age Limit

Not exceeding 62 Years

V. The consultant will be paid the following consolidated remuneration per month

- a. For retired government official – the consultancy fees shall be equal to final salary during retirement less the pension amount per month
- b. For non-government official – consolidated consultancy charges shall be Rs. 50000 per month. This amount can be varied depending upon the candidate's qualification and competence.

In addition, the consultant will be paid the necessary allowances during official visits to the sites.

V. Terms of Engagement

The consultant shall be appointed initially for one year which could be extended with a 10% increase in consultancy charges per year for further time according to requirement.

VI. Terms of Reference (ToR)

1. Scope of Work

Following is the broad outline of the scope of work. However, the consultant is required to cover all aspects of formulation of RFP document, floating of RFP, Pre-bid meetings, bid evaluation by the major ports and Ministry/IPA including coordination and supervision of project implementation.

A. Preparation of detailed feasibility report

- I. The consultant is required to prepare the analysis of state policies and regulatory structure for wind power. The consultant will also provide possible changes in the policy/regulatory structure in near future i.e. the expiry of policy, tariff RPO etc.
- II. The consultant will be required to assess the possibility of using wind power as captive generation. The consultant will also analyze the relevant open access and banking provisions in the respective states for wind power. This would be based on the estimation about the wind project cost and other financial parameters. The consultant will also assist the ports for signing of PPA with Discom or Third Party Sale.

- III. Based on the above, the consultant will prepare a detailed feasibility report for the ports as may be required for setting up of wind power plant analyzing options for captive use of wind power vis a vis sale of power.

B. Assistance in the bid process

- I. The bids will be invited separately for one port or more than one port jointly depending upon the option selected for use of wind power either for captive use or for sale of power.
- i. Formulating the pre-qualification requirements and evaluation
 - ii. Formulation of evaluation criteria for technical and commercial evaluation of the bidders for project
 - iii. Formulation of RFP/RFQ for selection of contractor for Engineering, Procurement and Construction (EPC) contract at each site with its comprehensive Operation & Maintenance (O&M) for 15-20 years or more as may be required.
 - iv. The consultant is required to conduct the pre bid meeting and offer clarifications to the bidders. Based on the meeting, necessary modifications, if required, are to be recommended for inclusion in RFP.
 - v. Evaluate the offers against bidders eligibility criteria and recommend the eligible bidders after seeking required clarification.
 - vi. Analyze the techno-commercial offers against the RFP requirements, analyze the deviation taken and recommend suitably, analyze and recommend on the major terms and conditions, make wind resource basement and annual energy production estimates for the wind farm at P75 and P90 based on wind data provided in respect of latest technology, check the status of land, capacity of allocation from concerned agencies to establish the WP in the proposed land and power evacuation arrangement etc as offered in the bid, check all other related features for successfully establishing and operating the plant in the area offered and finally suggest the techno commercial acceptability.
 - vii. A comprehensive technical report indicating all the required features for all the accepted offers is to be submitted by the consultant with recommendations of price bid opening of the technically acceptable bidders.

- viii. Evaluate the price bids of the technically acceptable offers and submit a report of all acceptable offers. The price evaluation report should essentially carry the cash flow projections of 20 years and give project and equity IRR, DSCR, NPV, ROI, payback period, unit cost of generation, other key financial indicators taking into account all relevant factors, taxes, duties, incentives available as Accelerated Depreciation, REC, GBI, CDM etc. (with possible combination) at 01:00 and 70:30 debt equity ratio for P75 and P90 energy estimates. This will involve the financial analysis of all the wind projects offered for different options i.e. sale of power to the state discom as well as the possibility of captive consumption of power.
- ix. Based on stipulated criteria of the RFP, the consultant has to recommend the best offer and provide inter alia the techno economic justification for placement of order for each port. A techno-economical evaluation report on the successful bids along with financials of other bids are key comparisons to be submitted in the report.

C. Assist in supervision and oversight of the project during installation process and final commissioning

- i. Assist in review of the material, data, specifications, drawings supplied by the successful bidder as per the submission in the bid.
- ii. Review the schedule of work against the submitted schedule.
- iii. Consultant would also conduct regular site visits and inspection and submit monthly report.
- iv. Submission of completion report after commissioning of wind project

2. Key deliverables:

Based on the scope of work, the following reports are to be submitted

- i. Feasibility report
- ii. Report on Prequalification criteria and evaluation, evaluation criteria for technical & commercial, EPC work
- iii. RFP document for major ports
- iv. Technical reports of accepted offers
- v. Price bid evaluation report

- vi. Draft techno economic evaluation report
- vii. Final techno economic report
- viii. Post award monthly progress report
- ix. Completion report

VII. General Terms & Conditions

- (i) The appointment of Consultant would be on full time basis and they would not be permitted to take up any other assignment during the period of Contract with Major Ports (Chennai, V.O. Chidambaranar and Ennore)/IPA. However, in exceptional cases engagement of consultant may also be made on part time basis for which modalities and fee payable will be decided by the Competent Authority.
- (ii) The consultant would have no lien on any job and such engagement may be cancelled at any time by Major Ports (Chennai, V.O. Chidambaranar and Ennore)/IPA without assigning any reason.
- (iii) The consultant on having accepted the offer shall enter into a contract with the Major Ports (Chennai, V.O. Chidambaranar and Ennore)/IPA and also give a Declaration of Fidelity and Secrecy.
- (iv) The Consultant shall not be entitled to any allowance such as conveyance allowance, dearness allowance, residential telephone, transport facility, residential accommodation, CGHS, medical reimbursement, etc.
- (v) The consultants shall be eligible for 14 days leave in a calendar year on pro-rata basis.
- (vi) If any declaration given or information furnished by the candidate proves to be false or if the candidate is found to have willfully suppressed any material information, he/she shall be liable for termination in addition to any administrative and /or legal action as Govt. may deem fit.

The last date of submission of application is 3rd February 2016. Please apply in plain paper with C.V. and attested copies of the testimonials to the

Managing Director,
Indian Ports Association,
1st floor, South Tower, NBCC Place,
Bhisham Pitamah Marg, Lodi Road,
New Delhi – 110 003

Application format

Post Applied for: consultant
Full Time
Field: Wind Power Expert

Affix recent
passport size
photograph

1. Name: _____
2. Father's Name: _____
3. Date of Birth: _____
4. Domicile: _____
5. Nationality: _____
6. Aadhar No (if available) _____
7. Mailing address (with Tel./Mob. No. and e-mail. address) _____

8. Permanent address: _____

9. Education Qualification

S.No	Course	Subject	School/College university /Institute	Year of Passing	%age of marks obtained	Division/Class

(Attach self-attested photocopies of certificate)

10. Computer Proficiency: (Please Tick)

Computer field	Excellent	Good	Average	Not Conversant
MS Word				
MS Excel				
MS Power Point				

11. Work Experience:

S.No.	Organization/ Institute	Period		Nature of Work	Specific reasons for leaving
		From	To		

(Attach self –attested photocopies of supporting documents/certificates)

12. The information may please be furnished by retired Government /Public /Sector Undertaking /autonomous body employees (Pl. attach self-attested copy of PPO)

Date of superannuating	Office /Organization from which retired (with complete address)	Last pay drawn			Basis pension (before commutation)
		Basic Pay (including GP)	DA	Total	

13. Reference with complete details (other than relatives)

(i) _____

(ii) _____

14. 250 words write up (listing areas of proficiency, special skills and forte and why you consider yourself suitable for the position applied for?)

(Signature)

Date_____

UNDERTAKING

The information given above is true and correct to the best of my knowledge and belief.

(Signature)

Date_____