

PART B – SECTOR SPECIFIC INFORMATION

WIND FARM PROJECT

1.0 GENERAL

1.1 Proposed Installed Capacity of the Project : _____ MW

1.2 Proposed location of the Project : .
Village : _____
Taluk : _____
District : _____
State : _____
Telephone/Fax : _____

1.3 Accessibility to proposed location of the Project

| Particulars | Name | Distance from Project Site (km) |
|-------------------------|------|---------------------------------|
| Nearest Tehsil/Block HQ | | |
| Nearest Road Head | | |
| Nearest Railway Station | | |
| Nearest Airport | | |
| Nearest Grid/Substation | | |

1.4 Special Category if any – Location based

| (Tick as applicable) | | | | | | |
|-----------------------|---------------------|------------|-----------------|---------|---------------------|----------------|
| NE States & Sikkim | Islands & Estuaries | Hilly Area | Jammu & Kashmir | Deserts | Newly formed states | Not applicable |
| | | | | | | |

1.5 Details of proposed Project Land(Please tick appropriate)

| Particular | Area | Acquired (Likely date of acquiring in case it is to acquired) | Whether land is Mortgageable |
|---------------|------|---|------------------------------|
| Govt. Land | | | (*) |
| Pvt. Land | | | |
| Forest Land | | | |
| Other Specify | | | |
| Total | | | |

(In case Govt. Land is not mortgageable, please enclose letter from the concerned Govt. Authority)

2.0 TECHNICAL

2.1 Details relating to Resources

- 2.11 Name of nearby Wind Monitoring Station (Wind Mast) appearing in the approved list of wind sites :
- 2.12 Aerial distance of the proposed project location from the above Wind Mast (Please confirm from the machine supplier and ensure it should be within 10 km) :
- 2.13 Height of above Wind Mast :
- 2.14 Annual Wind Power Density (average) at the proposed project location (W/m^2) at 50 m above ground level (refer to the wind sites details) :

2.2 Estimation of Power Generation

- 2.21 Energy generation estimated as per DPR (mention the basis) :
- 2.22 Energy generation guaranteed by the machine supplier :
- 2.23 Provide the generation data of wind farm projects adjacent to the proposed project location to verify above data:

| S. No. | Name of the company | Distance from the proposed location (Km) | Rating, No. and make of WEGs | Capacity (MW) | Actual Generation Of last Year | Achieved Capacity Factor |
|--------|---------------------|--|------------------------------|---------------|--------------------------------|--------------------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |

2.3 Project Configuration

- 2.31 Details of the selected machine manufacturer/supplier :

| Name of Supplier | Turbine Rating (kW) | Hub Height | Quantity | Capacity (MW) | Cost/WEG (Rs. Lacs) | Total Amount (Rs. Lacs) |
|------------------|---------------------|------------|----------|---------------|---------------------|-------------------------|
| | | | | | | |

2.4 Procurement Procedure

- 2.41 Basis of selection of the equipment Details of Procurement Procedure followed : Single Quotation RFQ Procedure
 Limited Tender Published Tender Any Other
- 2.42 Detailed Quotation Evaluation Report : Enclosed/Not enclosed
- 2.43 Note on procurement with justification for choosing the supplier and item-wise project cost : Enclosed/Not enclosed

2.5 Power Evacuation

- 2.51 Generation Voltage
- 2.52 Voltage of Overhead Transmission Line :
- 2.53 Length of Transmission Line from Substation to Wind Farm :
- 2.54 Specification of Sub station :
- 2.55 Grid adequacy for evacuation & synchronization of project (Please ensure grid adequacy for evacuation & synchronization) : Yes/No

2.6 Mode of Implementation

- 2.61 Mode of implementation of the Project : EPC Contractor/consultant/Supplier/Self (Please tick appropriate)

3.0 COMMERCIAL

3.1 Proposed Project cost Estimates :

| PARTICULARS | UNIT COST (RS. IN LAKHS) | TOTAL AMOUNT (RS. IN LAKHS) | REFERENCE OF PURCHASE ORDERS & INVOICES |
|---|--------------------------|-----------------------------|---|
| a) Land (_____acres) | | | |
| b) Site Development | | | |
| c) Plant & machinery <ul style="list-style-type: none">• Blades, Nacelle, Hub and | | | |

| | | | |
|--|--|--|--|
| <p>Generators</p> <ul style="list-style-type: none"> • Tower • Electrical items • SCADA • Transportation • Installation, testing & commissioning • Civil works for Foundation • Any other(please specify) | | | |
| d) Other Civil Works not included in the cost of Plant & machinery (Please specify) | | | |
| e) Other Electrical items not included at in the cost of Plant & machinery (Please specify) | | | |
| f) Evacuation Charges payable to Discom/SNA/SEB, if any and not included in the cost of Plant & machinery | | | |
| g) Charges payable to State nodal agencies, if any and not included in the cost of Plant & machinery | | | |
| h) Statutory expenses service Tax etc., if any and not included in the cost of Plant & machinery | | | |
| <p>i) Preliminary & Pre-operative expenses</p> <ul style="list-style-type: none"> • Registration & Front-ends fee • Stamp duty • Any other(Please specify) | | | |
| j) Margin Money for Bank Guarantee/Fixed Deposit Receipt (FDR) | | | |
| k) Others, if any (please Specify) | | | |

| | | | |
|--|---|--|--|
| Total Project Cost | | | |
| Copies of Purchase Orders & Invoices if raised enclosed (Invoices are required to be submitted alongwith the Loan Application for already commissioned projects) | Yes/ No (If not enclosed, please indicate reasons) | | |

- 3.11 Indicate the items, services covered under the scope of supply of machine supplier : _____
- 3.12 Indicate whether the scope of supply includes any facility such as overhead transmission lines etc. are exclusive for this project/equipment under this application. If exclusive provide details such as length of transmission lines, voltage, etc. and cost included in the scope of supply : _____

- 3.13 If SCADA service is provided, please specify whether its part of O & M contract or exclusive/shared for the project and included in project cost : _____

3.2 PROPOSED MEANS OF FINANCING

| PARTICULARS | AMOUNT (RS. IN LACS) |
|--|-----------------------------|
| A) Promoter's contribution | |
| Equity Share Capital | |
| Internal Accruals | |
| Unsecured Loan from Promoters, friends, relatives & their associates | |
| Others, if any - specify | |
| SUB TOTAL (A) | |
| B) Term Loan Proposed | |
| From IREDA | |
| From Others (FI/Bank) | |
| *Subsidy, if any | |
| Sub Total (B) | |
| Total Project Cost (A+B) | |

* (Capital subsidy if available will reduce IREDA's loan)

3.3 Purpose of Proposed Project

| | | Rate (Rs./Unit) |
|---|---|--------------------|
| a) Captive consumption | : | Yes/No |
| b) Selling power to State Electricity Board | : | Yes/No |
| c) Selling to third party * | : | Yes/No |
| a) Annual Reports for last 3 years and Copies of Agreement with the third party. (In case of selling to third party) | : | Yes/No |

3.4 Marketing Arrangement

3.41 Status of S.RC approved PPA in case of sale to SEB/Third party

- a) Date of signing : _____
- b) Period of PPA : _____
- c) Tariff Rate : _____
- d) Rate of Escalation : _____
- e) Discount/ penalty clause : _____

3.42 In case of Captive Consumption

- a) Connected Power (MW) : _____
- b) Annual power consumption (Average) : _____
- c) Status of Wheeling Agreement : _____
- d) Copy of Wheeling Agreement enclosed : Yes/ No
(If not enclosed, please indicate reasons)
- e) Present Tariff Rate of SEB : _____
- f) Copies of Electricity Bills for last 12 months and Summary : Yes/ No
(If not enclosed, please indicate reasons)

3.43 In case PPA is yet to be executed, please give information for item 3.41 or 3.42 based on the approved state policy on Wind Energy projects

3.5 Status of commissioning

- 3.51 Date of commissioning : _____
- 3.52 Commissioning Certificate enclosed : Yes/ No
- 3.53 Units generated upto the date of application : _____
- 3.53 Expected date of commissioning if it is yet to be commissioned : _____

3.6 Assumptions taken for Performance Indicators

- a) Installed Capacity (MW) : _____
- b) Rate of Interest for proposed loan from IREDA : _____
- c) Repayment period : _____
- d) Grace Period : _____
- e) Selling Price (as per SERC approved & signed Power Purchase Agreement) : _____
- f) Selling Price escalation per annum : _____
- g) Wheeling Charges if applicable : _____
- h) Capacity Utilization Factor : _____
- i) Annual O & M Charges : _____
- j) Annual escalation of O & M Charges : _____
- k) No. of years to absorb accelerated depreciation : _____
- l) Rate of Insurance : _____
- m) Any other (Please Specify) : _____

Please refer to IREDA's latest norms of financing for the above

3.7 Performance Indicators

- a) IRR (Financial) : _____
- b) DSCR (Average) : _____
- c) Pay Back Period : _____

4.0 ENVIRONMENTAL IMPACT

| | |
|--|--|
| Provide details of environmental benefits expected by putting up Wind farm project | |
|--|--|

5.0 SECTOR SPECIFIC ANY OTHER INFORMATION

6.0 SECTOR SPECIFIC APPROVALS

| S. No. | Documents/Papers | Enclosed (Pl indicate Annexure No.) | Remarks |
|--------|--|-------------------------------------|---------|
| I | No objection Certificate (NOC) from State Electricity Board or any other Authority | | |
| Ii | Copy of SERC approved Power Purchase Agreement | | |
| Iii | Copy of Wheeling Agreement for Captive use, if applicable | | |
| Iv | Copy of Agreement for third party sale of electricity, if applicable | | |
| V | Latest Annual Report of third party purchaser, if applicable | | |

| | | | |
|------|--|--|--|
| | | | |
| Vi | Copy of Sale/Lease Deed | | |
| Vi | Copy of site map | | |
| Vii | Copy of Connectivity Diagram | | |
| viii | Note on Procurement justifying selection of particular supplier | | |
| Ix | Copies of Purchase Orders and Invoices | | |
| X | Copies of Invoices alongwith the Money receipts from the suppliers | | |
| Xi | Detailed cash-flow statements if the same are not annexed with the DPR | | |
| Xii | Other Clearances (Please Specify) a) b) c) d) | | |

Place :

Date :

Signature : _____

Name & Designation : _____

Rubber Stamp : _____