

1.0 Capability Criteria

- 1.1 The capability will be subject to Bidder's fulfilment of the Capability Criteria set and stipulated hereunder.
- 1.2 Bidder (lead partner as well as other partners in case of Joint Venture Bidders) should have proven experience as contractors, as specified in succeeding paragraphs, in execution of contracts of similar type, magnitude and nature to the listed items with regard to engineering and integration of components, including erection, testing and commissioning at site. Only such experienced and capable contractors shall submit the bids.
- 1.3 The Capability will be based on Bidder meeting criteria set forth hereunder as the minimum:

Criteria: The Bidder shall fully meet all the following criteria:

(A) Financial Capacity

(i) Turnover

Minimum average annual turnover in the related business over the last five (5) years of at least US\$ 42 million or equivalent either individually by a sole Bidder or collectively by Joint Venture partners.

(ii) Profitability

The bidder should have positive Net Cash Accruals for at least three (3) years out of immediately preceding five (5) financial years and should have Net Cash Accruals during the last financial year equal to US\$ 1.25 million or equivalent.

Net Cash Accruals shall mean Profit after Tax + Depreciation.

(iii) Net Worth

The Bidder shall have Minimum Net Worth of US \$ 21 million or equivalent and should not be less than the amount of Equity including Share premium in at least four (4) out of five (5) preceding years.

(The "Net Worth") shall mean the sum of subscribed and paid up equity and reserves from which shall be deducted the sum of revaluation reserves, miscellaneous expenditure not written off and Accrued liabilities.

(iv) Current Ratio

The Bidder shall have minimum Current Ratio of 1.25 at the close of each of the five (5) preceding financial years.

(B) General Experience

Operational experience as prime contractor and/or as lead partner in a joint venture of executing a large Electro-Mechanical EPC contract valuing at least 50 million US\$ in preceding ten (10) years.

(C) Specific Technical Experience

Successful experience, either by the Bidder itself or by the proposed manufacturer(s) who have given authorization to the Bidder in required format in designing, manufacturing, supply, installation, testing & commissioning of the following Electromechanical items having ratings as below in the preceding 15 years. The bidder/manufacturer should have successfully commissioned this equipment at two different projects and should be under operation.

i) Vertical Shaft Hydro Turbine:

Rated output of 80 MW or higher and rated head of minimum 250 m.

AND

Technical Difficulty Factor (TDF) of not less than 38,400. TDF in this case shall mean the product of rated output in MW and rated head in meters.

One of such equipment supplied should be a vertical shaft Pelton type turbine.

ii) Main Inlet Valve

Spherical Inlet Valves of Diameter 1.6 m & above designed for minimum head of 400 m

AND

Technical Difficulty Factor (TDF) of not less than 960. TDF in this case shall mean the product of Diameter and Design Head in meters.

iii) Vertical Shaft Suspended Type Synchronous Generator:

Rated output of 80 MVA or higher and rated speed of 300 rpm or higher

iv) 240 kV GIS

Following nos. (minimum) of bays of 245 kV voltage level or above

- a. 4 unit bays;
- b. 2 bus coupler bays;
- c. 2 line bays.

v) 240 kV XLPE Cables

XLPE cable of rating 240 kV or above for a minimum length of 10 km.

vi) Generator Step-up Transformers

Minimum of 10 nos. of single phase transformers of voltage level 220 kV and a nominal output of 40 MVA or above

OR

Minimum of 4 nos. of three phase transformers of voltage level 220 kV and a nominal output of 100 MVA or above

vii) Computer based Control, Protection and Monitoring System

Computerized Control, Protection and Monitoring system, including SCADA & Man-Machine Interface, for a power plant housing at least 3 nos. of generating units of 50 MW each or above.