

- 5.4 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may, at its discretion, extend the deadline for the submission of bids.

## **6.0 QUALIFYING REQUIREMENTS AND PROVENNESS OF THE EQUIPMENT TO BE SUPPLIED**

### **Provenness of Electrostatic Precipitator**

- 6.1 Bidder/sub-vendor should have designed, engineered, manufactured erected/supervised erection and commissioned /supervised commissioning of rigid discharge framework Electrostatic Precipitators (of the type offered), having a design efficiency of not less than 99%, operating in conjunction with pulverized coal fired steam generating Units, rated for a minimum of 500 MW Unit size or equivalent steaming capacity which are in successful operation in at least two different stations for atleast two (2) years as on the date of submission of bid documents.

### **Provenness of DE-NOX System (SCR)**

- 6.2 Bidder/ sub-vendor should have proven experience in design, manufacturing, supply, erection, testing and commissioning of at least one (1) De-NOX system for pulverized coal fired Power Plant of capacity 500 MW and more, burning coal with high ash content as being asked and being offered for this project. Such De-NOx plant (either supplied directly by the Contractor or his technology partner/Colloborator) should have been in successful commercial operation for a minimum period of one (1) year on the date for opening of Bid (stage-I).

### **Provenness of Flue Gas Desulphurization System (FGD)**

- 6.3 The Bidder/sub-vendor or his technology partner/colloborator should have designed, engineered, supplied, erected/supervised erection and commissioned/supervised commissioning of at least one (1) wet limestone based Flue Gas Desulphurization System in Thermal Power Plant of capacity 500 MW or more, with efficiency not less than 95% which is in successful operation on the date for opening of Bid (Stage-I).

In case the FGD plant as mentioned above is not operational but the execution of work is in advanced stage at any State/Central PSU in India, subvendor/design of Plant shall also be eligible provided the Work Order for the plant has not been issued prior to 48 months from the date of Techno-Commercial bid opening (Stage-I).

<b>Provenness of Power Cycle Piping</b>	6.4	<p>The Bidder/sub-vendor should have designed, engineered (including static and dynamic analysis, hanger engineering, stress analysis etc.) fabricated/got fabricated, supplied, erected/ got erected, power cycle piping system including main steam, hot reheat, cold reheat, extraction steam piping etc. for at least two fossil fuel fired thermal power Units of sizes 500 MW or above which are in successful operation for at least two (2) years as on date of submission of bid documents.</p> <p>Bidder/ sub-vendor should also have experience of using pipe material as per the specification requirements.</p>
<b>Provenness of Control &amp; Instrumentation Equipment/ Systems</b>	6.5	<p>(i) The offered integrated DDCMIS system including SG &amp; its auxiliary controls, TG &amp; its auxiliary control, Station C&amp;I and Electrical controls shall be in successful operation in at least one unit of a coal fired station of capacity 660 MW or above with supercritical parameters for a period of 16000 hour or above as on the date of Techno commercial bid opening.</p> <p>(ii) Similarly, PLC systems, field instruments and control devices shall be in successful operation in at least one unit of a coal fired station of capacity 500 MW or above for a period of 16000 hours or above as on the date of Techno commercial bid opening.</p>
<b>Provenness of Wagon Tippler and the qualification of sub vendor for Coal Handling Works.</b>	6.6	<p>(i) The offered Wagon Tippler shall be compliant to RDSO G33 (Rev-1), which is in successful operation for at least one (1) year as on the date of techno commercial bid opening.</p> <p>(ii) Bidder himself/subvendor must have executed at least two numbers turnkey contracts of Coal Handling System having coal conveying and crushing plant of rated capacity of 800 MTPH or above, complete Civil, Structural and Architectural Works which is in successful operation during last 7 (seven) years prior to commercial bid opening.</p> <p>Civil, Structural works should have essentially consisted of structures like Track Hopper/ Wagon tippler hopper, Tunnel etc. involving deep excavation and extensive dewatering for underground structure including industrial buildings with finishing works.</p>

(iii) If the bidder intends to engage a sub-vendor, the Net Worth of such sub vendor for Coal Handling Plant Works as on the last day of the preceding financial year as on the date of Placement of Order from the bidder should be positive.

The Bidder shall in all means take prior approval from the Employer prior to engaging of such sub vendors with all requisite credentials.

**Sub Vendor for  
BOP Packages**

6.7 Sub-vendor/Agencies to be engaged if any, for any BOP Packages, must have executed similar BOP packages in at least two (2) nos. of Thermal Power Projects separately of Unit rating not less than 500 MW within the last 7 years of date of bid opening.

Separate Civil Contractors to be engaged by the BOP packages must qualify the requirements pursuant to ITB 6.8.

Separate Agencies to be engaged by the BOP packages for erection & commissioning must qualify the requirements pursuant to ITB 6.9.

Net Worth of sub vendor for Ash handling Plant Works if any, as on the last day of the preceding financial year as on the date of Placement of Order from the bidder should be positive.

The Bidder shall in all means take prior approval from the Employer prior to engaging of such agencies with all requisite credentials.

**AGENCY FOR  
CIVIL WORK**

6.8 Agency to be engaged if any, should have executed civil works including piling, major foundations, structural steel & concrete works and power plant building works, cooling water ducts, road works, drainage and sewerage system in at least two (2) Units of coal fired power station(s) having Unit rating of minimum 210 MW capacity within the last 7 years of date of bid opening.

The bidder shall submit all relevant information data, experience details, capacity and completion certificates and/or any other credentials, in support of his selection of such civil contractors, for approval from the Employer.

**AGENCY FOR  
ERECTION AND  
COMMISSIONING**

6.9 Agency/Sub-contractors for erection and/or commissioning of the plant shall have experience in erection and/or commissioning (as the case may be) in the same field/area in at least two (2) nos. of Thermal Power Projects separately of Unit rating not less than 500 MW within the last 7 years of date of bid opening .

The bidder shall submit all relevant information data, experience details, capacity and completion certificates and/or any other credentials, in support of his selection of such field contractors, for approval from the Employer.

**Provenness of  
Balance Plants/  
Equipment/  
Systems/  
Subsystem  
Offered By The  
Bidder**

6.10 The particular type of equipment/system should be rated at least for the duty specified / required for this project and shall be in successful operation (rating/duty shall be in no way inferior to as required) in at least two (2) separate plants for a minimum period of two (2) years as on the date of submission of bid documents.

The sub systems/modules/Items/components used in assembling of the complete equipment(s)/system (s) shall be sourced from reputed manufacturers having proven experience and such products have been in application of similar equipments/systems which is in successful operation for a period of two (2) years from the date of bid opening.

The design of all equipment/ system shall be vetted from the respective Collaborators / original equipment designers. If the proven design is not used then testing of the prototype or the type test shall be done compulsorily, the cost of which shall be deemed to be included in the quoted prices of the Bidder.

WBPDCL reserves the rights to satisfy himself on the provenness of the equipment / system and may seek for experience list of any individual system / items /modules /subsystems /components offered/used during execution of the Project to substantiate their Provenness.

**PREPARATION OF BID**

**7.0 Cost of Bidding**

7.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.