

NOTICE INVITING TENDER (NIT)

for

INTERNATIONAL COMPETITIVE BIDDING (ICB)

SAGARDIGHI THERMAL POWER PROJECT

EXTENSION UNITS - 3 & 4 [2 X 500 MW, Sub Critical]

MAIN PLANT PACKAGE

SPECIFICATION NO.: SGMP2

NOVEMBER 2009

The West Bengal Power Development Corporation Limited
(A Government of West Bengal Enterprise)



Registered & Corporate Office:

Bidyut Unnayan Bhawan,
Plot No. - 3/C, Block - LA,
Sector – III, Salt Lake City,
Kolkata – 700 098

**INVITATION FOR BIDS OF MAIN PLANT TURNKEY PACKAGE (SGMP2) FOR
2 X 500 MW EXTENSION UNITS OF SAGARDIGHI THERMAL POWER PROJECT**

INTERNATIONAL COMPETITIVE BIDDING

Tender Notice No. WBPDC/Adv-09-10/Corp Date: November 20, 2009

1. The West Bengal Power Development Corporation Limited (WBPDC) invites sealed tenders containing techno-commercial offer and price offer, separately, in sextuple from reputed eligible bidders having sound technical and financial capability for the following work at Sagardighi Thermal Power Project Extension Units 3 & 4 [2 X 500 MW]. The site of work is located at Manigram village, 13 KM north of Sagardighi town by the side of the SMGR (Sagardighi-Manigram-Gankar-Raghunathganj) Road at a distance of around 20 KM from National Highway 34, in the District of Murshidabad, West Bengal, and around 240 KM by Road from Kolkata, India.

2. Scope of work for Main Plant Turnkey Package:

Design, engineering, manufacture, fabrication, shop testing, supply, transport, storage, insurance, erection, testing & commissioning of Steam Generator & Auxiliaries, Turbine-Generator & Auxiliaries, Circulating Water (CW) & Auxiliary Cooling Water (ACW) System (excluding natural draft cooling tower), Fuel Oil Handling System, Compressed Air System, Unit Transformers, Station Transformers, 11 KV, 3.3 KV & 415 V Switch Gear, 400 KV Switchyard Bay, Control & Instrumentation of the total plant & auxiliary packages including Civil, Structural and Architectural works excluding twin-flue chimney, control room & technical building and some common facilities but excluding coal handling plant, water intake & plant water system, ash handling plant and laboratory equipment on Turnkey basis for total completion of the entire Power House work for [2 X 500 MW] Units # 3 & 4 and as specified in the Technical Specifications.

3. **Time of Completion:**

1st Unit - 45 months from the date of issue of Letter of Award.

2nd Unit - 48 months from the date of issue of Letter of Award.

4. **Details of Tender:**

Special Note - On presentation of requisite money receipt against applicable cost of Main Plant Turnkey Package tender documents, soft copy of the said SGMP2 tender document in CD form will, initially, be handed over to the respective Bidder (s) for their internal use. Subsequently, required number of hard copy / copies of the said tender documents will be handed over to the recipient of the soft copy after close of sale of tender. If there is any disparity between soft copy and hard copy then the contents/statements/clauses/items/data/parameters recorded in the hard copy shall prevail.

Other details are as follows:-

- a) Cost of One Set of Tender Document : INR 50,000.00 [Indian Rupee (INR) / US\$] : US\$ 1000.00 By crossed Demand Draft/ Pay Order drawn in favour of The West Bengal Power Development Corporation Limited and payable at Kolkata, India
- b) Cost of each extra Set of Tender Document : INR 25,000.00 [Indian Rupee (INR) / US\$] : US\$ 500.00
- c) Date of Sale of Tender : From 27th November,2009 to 24th December,2009 during working days between 10.00 to 15.00(IST) Hours (except Saturdays, Sundays & Holidays)
- d) Date, Time & Venue of Pre-Bid Discussion : Will be held at the Corporate Office of WBPDC, Kolkata, India on 15th January, 2010 (Friday) at 11.00 Hours (IST)
- e) Last Date and Time for Submission of Complete Tender : 26th February, 2010 (Friday) up to 13.00 Hours (IST)
- f) Place, Date & Time for Opening of Tender : WBPDC Corporate Office, Kolkata, India on 26th February, 2010 (Friday) at 14.00 Hours (IST)
- g) **Bid Security:**

All bids must be accompanied by a security as bid security/bid guarantee submitted in a separate sealed envelope in the following mode:

- i) By Bank Guarantee – INR 500,000,000.00 (Rupees Five Hundred Million) or US\$ 10 Million issued by an Indian Branch of any scheduled bank or any other reputed bank possessing valid licence from Reserve Bank of India (RBI) to do business in India. The Bank Guarantee shall remain valid for a period of **270** days from the date of opening of the tender.

Details of the above and the other terms and conditions have been specified in the Conditions of Contract.

5. Qualification Requirement and Eligibility Criteria for Bidders

1.1 The Bidder shall provide satisfactory evidence that he and/or, where applicable, his Collaborator/Associate:-

- [i] Is a manufacturer, who regularly manufactures equipment of the type specified and / or undertakes the type of work specified and has adequate technical knowledge and relevant experience.
- [ii] Does not anticipate a change in ownership during the proposed period of execution of work (if such a change is anticipated, the scope and effect thereof shall be defined).
- [iii](a) Has adequate financial stability and status to meet the financial obligations pursuant to the works covered in the Bidding Documents. (The Bidders should submit Five (5) copies of their annual report including profit and loss account and audited balance sheet for each of the last three (3) financial years.
- (b) Has a minimum annual turnover of Indian Rupees 25,000 Million or equivalent USD in each of the last three financial years taken together with his Associate (s). Individually, minimum annual turnover of the Bidder and each of his Associate (s)

shall respectively be not less than Indian Rupees 12,000 Million or equivalent USD and Indian Rupees 6,000 Million or equivalent USD in each of the last three financial years.

- (c) Minimum Net Worth (as defined below) of the Bidder as on the last day of each of last three (3) financial years shall be Rupees 10,000 Million or equivalent USD.
- (d) Net Worth means the sum of total of the paid up share capital and free reserves less the accumulated loss, if any.
- [iv] Has an adequate design, manufacturing and/or fabrication capability and capacity available to perform the work properly and expeditiously within the time period specified. The evidence shall specifically cover, with written details, the installed manufacturing and / or fabrication capacities and present commitments (excluding those anticipated under this specification). If the present commitments are such that the installed capacity results in an inadequacy of manufacturing and/or fabrication capacities to meet the requirements appropriate to the works covered in his bid, then the details of alternative arrangements to be organized by the Bidder and/or his Associate for this purpose and which shall meet the Owners approval, shall also be furnished.
- [v] Has an adequate project management organization covering the areas related to engineering of equipment/systems, interface engineering, procurement of equipments and the necessary field services required for successful construction, testing and commissioning of all the power plant equipments and systems covered in the scope of work for this contract and as required by the Bidding documents.
- [vi] Has established quality assurance systems and organization designed to achieve high levels of equipment/system reliability, both during his manufacturing and/or fabrication and field installation activities. A company formed by the merger of two or more companies or divisions of such companies engaged in supply and installation of power generation equipments can also participate provided the constituent companies before merger individually or jointly meet the stipulated qualification requirements fully.

1.2 In addition to the requirements stipulated at Para 1.1 above, the Bidder should also meet the qualifying requirements stipulated herein under:

1.2[a] The Bidder should have designed, manufactured, erected, and commissioned of at least two (2) numbers coal fired steam generator of offered capacity of the type specified [i.e. drum type two (2) pass arrangement with reheat] and which are in successful operation for a period of not less than two (2) years as on the date of submission of bid documents. The Bidder shall offer only the type of steam generator for which he is qualified.

A N D

1.2[b][i] The Bidder should have designed, manufactured, erected and commissioned of at least two (2) number of fossil fuel fired reheat type of Steam Turbine Generator set of offered capacity of the type specified (i.e. tandem compound, single reheat, regenerative, condensing, multi cylinder design steam turbine directly coupled with generator of three phase, horizontal mounted, two pole, class F winding insulation, stator water/hydrogen cooled, cylindrical hydrogen cooled rotor type, suitable for indoor installation) which are in successful operation for a period of not less than two

(2) years as on the date of submission of bid documents. The Bidder shall offer only the type of turbine generator set for which he is qualified as above.

- 1.2[b][iii] The Bidder who meets the requirements of Clause No.1.2(b)(i) above, except that he does not manufacture generators OR the generators manufactured by him do not meet the above requirements fully OR if he intends to offer generator of another manufacturer would also qualify if he Associates/Collaborates with a generator manufacturer who meets the above requirements of Clause No.1.2 (b) (i) fully in respect of generator and sources the generator from such Associate/Collaborator, provided two (2) Nos. of similar combination of offered capacity generator with the Bidder's steam turbine is in successful operation for a period of not less than two (2) years as on the date of submission of bid documents.

In such a case Bidder shall furnish along with his bid, an undertaking jointly executed with the Associate/Collaborator for the successful performance of the Turbine Generator Set as per the format enclosed in the bid documents. The Deed of Joint Undertaking shall be submitted along with the bid, failing which the Bidder shall be disqualified and his bid shall be rejected. In case of award, the Associate/Collaborator will be required to furnish a Bank Guarantee for 0.5% of the contract price in addition to the Contract Performance Security to be furnished by the Bidder.

A N D

- 1.2[c] The Bidder should also have executed works on an Engineering Procurement & Construction (EPC) basis of at least Two (2) Nos. fossil fuel fired reheat type Units with minimum Unit rating of 200 MW which are in successful operation for a period of not less than two (2) years as on the date of submission of bid documents. The scope of work of the above reference plant should have necessarily included engineering/got engineered, supply, installation (with or without civil works), testing and commissioning on turnkey basis of Main Plant Equipment (s) [i.e. steam generator and steam turbine generator sets with their associated auxiliaries].

- 1.2[d] Bidder who meets the requirements of Clause No. 1.2 (a) and Clause No. 1.2 (b) (i) / 1.2 (b) (ii) but does not meet the requirements stipulated at Clause No.1.2 (c) above shall also qualify if he Associates with an Engineering, Procurement and Construction (EPC) firm which is currently in the business of executing fossil fuel fired reheat type of power stations and in turn meets the above requirements at Clause No.1.2 (c). In such a case the Bidder shall along with the bid furnish an undertaking jointly executed by him with his Associate for the successful performance of the complete plant as per the format enclosed in the bid documents in which the Associate and the Bidder are jointly and severally liable to the Owner to perform all the contractual obligations. In case of award, the Associate will be required to furnish a bank guarantee for at least 2% (two percent) of the total contract price along with the contract performance security by the Bidder.

Note on clause No.1.2, applicable consequently for clause No 1.3 & 1.4

For the purpose of meeting the requirement of Clause No 1.2, consequently applicable for Clause No 1.3 & 1.4, following shall also be acceptable provided those are fulfilled:

- i. The Bidder shall, along with the bid, furnish undertaking executed by him for the successful performance of respective equipments, as per the formats enclosed in the bid documents, in which the Bidder is liable to the Owner to perform all the

contractual obligations. The deed of undertaking shall be submitted along with the bid, failing which, the Bidder shall be disqualified and the bid shall be rejected. In case of award, Bidder will be required to furnish additional bank guarantees totaling to 5% (five percent) (3% for steam generator, 1.5% for turbine and 0.5% for generator) of the total contract price in addition to the contract performance security by the Bidder.

- ii. The Turbo-Generator should be from the proven standard range of manufacture of the Collaborator/original equipment designer.
- iv. Major rotating Steam Generator Auxiliaries & Steam Turbine Generator Auxiliaries shall be either from the standard proven range of manufacture of the bidder or the respective original collaborators or outsourced from the proven product of internationally reputed and reliable vendors.

1.3 In case the Bidder is not singly the manufacturer of B-T-G but:

- 1.3[a] Is manufacturer of only one of the above mentioned equipment (s) i.e. steam generator (coal fired) or steam turbine generator set (for fossil fuel fired Units) meeting the requirement for respective equipment as given in Clause No.1.2 above, then he shall Associate with the manufacturer of the other equipment i.e. steam turbine generator set or steam generator, as the case may be, who shall in turn, also meet the respective requirements stipulated in Clause No.1.2 above.

A N D

- 1.3[b] In such a case, the Bidder shall along with the bid furnish an undertaking jointly executed with the steam turbine generator set/steam generator manufacturer, as the case may be, for the successful performance of the respective equipment as per the format enclosed in the bid documents in which the Associate/Collaborator and the Bidder are jointly and severally liable to the Owner to perform all the contractual obligations. The Deed of Joint Undertaking shall be submitted along with the bid, failing which the Bidder shall be disqualified and his bid shall be rejected. In case of award, the Associate / Collaborator for steam generator will be required to furnish a bank guarantee for 3% (three percent) and the Associate / Collaborator for turbine generator will be required to furnish a bank guarantee of 2% (1.5% for turbine and 0.5% for generator) of the total contract price in addition to the contract performance security by the Bidder, as the case may be.

A N D

- 1.3[c] The Bidder should also have executed works, on an Engineering Procurement and Construction (EPC) basis, of at least Two (2) Nos. fossil fuel fired reheat type power Units with minimum Unit rating of 200 MW capacity which are in successful operation for a period of not less than two (2) years as on the date of submission of bid documents. The scope of work of the above reference plant should have necessarily included engineering/got engineered, supply, installation (with civil works), testing and commissioning on turnkey basis of Main plant equipment (s) (i.e. steam generator and steam turbine generator sets with their associated auxiliaries).

- 1.3[d] Bidder who meets the requirements of Clause No. 1.3 (a) but does not meet the requirements stipulated at Clause No.1.3 (c) above shall also qualify if he Associates with an Engineering, Procurement and Construction (EPC) firm which is currently in the business of executing fossil fuel fired reheat type of power stations and in turn, meets the above requirements. In such a case the Bidder shall along with the bid, furnish an undertaking jointly executed by him with his Associate for the successful

performance of the complete plant, as per the format enclosed in the bid documents in which the Associate and the Bidder are jointly and severally liable to the Employer to perform all the contractual obligations. In case of award, the Associate will be required to furnish a bank guarantee for at least 2% (two percent) of the total contract price along with the contract performance security by the Bidder.

1.4 In case the Bidder is not a manufacturer then:

1.4[a] The Bidder shall be either an Engineering, Procurement and Construction (EPC) organization or a Turnkey Management and contracting organization executing contract for setting of fossil fuel fired power plants and has supplied, erected and commissioned Two (2) Nos. 200 MW capacity (minimum) fossil fuel fired power Units on turnkey basis (with or without civil works) consisting of main plant equipment (s) (i.e. steam generator and steam turbine generator set and associated auxiliaries) which is in successful operation for a period of not less than two (2) years as on the date of submission of bid documents.

A N D

1.4[b] Bidder, who meets requirements of Clause No. 1.4 (a) above shall individually Associate with the steam generator and steam turbine generator set manufacturer (s) who in turn meet the respective requirements under Clause No. 1.2 (a) and 1.2(b)(i) /1.2(b)(ii) above. The Bidder shall offer the equipments from the Associates/Collaborators for which they (Associates/Collaborators) are qualified. Further, the Bidder shall, along with the bid, furnish undertakings jointly executed by him and each of his Associates/Collaborators for the successful performance of respective equipments as per the format enclosed in the bid documents in which the Associate and the Bidder are jointly and severally liable to the Owner to perform all the contractual obligations. The deed of joint undertakings shall be submitted along with the bid, failing which, the Bidder shall be disqualified and the bid shall be rejected. In case of award, each of the Associates/Collaborators will be required to furnish a bank guarantees totaling to 5% (five percent) (3% for steam generator, 1.5% for turbine and 0.5% for generator) of the total contract price in addition to the contract performance security by the Bidder.

A N D

1.4[c] In addition to the requirement of Clause No. 1.4 (a) and 1.4(b) above, the Bidder should have himself carried out engineering of steam generator and steam turbine generator set along with their auxiliaries and systems for at least Two (2) Nos. of coal fired, reheat type Units with minimum Unit rating of 500 MW, which is in successful operation for a period of not less than two (2) years as on the date of submission of bid documents. In case the Bidder himself has not carried out the engineering as per the requirements stipulated above, he shall additionally Associate/ collaborate with an architect engineering firm/design institute currently in the field of engineering fossil fuel fired reheat type power Units and who has carried out engineering of steam generators and steam turbine generator set along with their auxiliaries and systems for at least Two (2) Nos. of coal fired, reheat type Units, with minimum Unit rating of 500 MW, which is in successful operation for a period of not less than two (2) years as on the date of submission of bid documents. Further, the Bidder shall along with the bid furnish an undertaking jointly executed by him with the architect engineering firm/design institute for the successful performance of the services included in the scope of architect engineering firm/design institute as per the format enclosed in the bid documents, failing which the Bidder shall be disqualified and his bid shall be rejected.

In case of award, the architect engineering firm/design institute will be required to furnish a bank guarantee for 0.05% of the contract price in addition to the contract performance security to be furnished by the Bidder.

Note on Clause No.1.4

For the purpose of meeting the requirement of Clause No.1.4 (a) above, the following shall also be acceptable:-

The Bidder who meets the required experience as per Clause No.1.4 above either on his own or as a leader of consortium and for this package, associates/collaborates for sourcing the steam generator and steam turbine generator set with the (i) designer and manufacturer of steam turbine generator set OR (ii) designer and manufacturer of steam turbine and generator (as the case may be) and (iii) designer and manufacturer of steam generator, such that Bidder along with such Associates/Collaborators, collectively executed the contract meeting the requirement of Clause No.1.2 above in the same reference plant. The Bidder shall offer only the type of steam generator and steam turbine generator set for which Collaborators/Associates are qualified.

Further, in above case, the Bidder along with his Associates shall furnish deed of joint undertaking on demand bank guarantee as per requirement given in Clause No.1.4 (b).

In this case, Bidder along with his above Associates, should have carried out the engineering of steam generator and steam turbine generator set along with their auxiliaries and systems for at least Two (2) Nos. of coal fired, reheat type Unit with minimum Unit rating of 500 MW, which is in successful operation for a period of not less than two (2) years as on the date of submission of bid documents. In case the Bidder along with his Associates, has not carried out the engineering as per the requirements stipulated above, he shall additionally associate/collaborate with an architect engineering firm/design institute currently in the field of engineering fossil fuel fired reheat type power Units and who has carried out engineering of steam generators and steam turbine generator set along with their auxiliaries and systems for at least Two (2) Nos. of coal fired, reheat type Unit, with minimum Unit rating of 500 MW, which are in successful operation for a period of not less than two (2) years as on the date of submission of bid documents. Further, the Bidder shall along with the bid, furnish an undertaking jointly executed by him with the architect engineering firm/design institute for the successful performance of the services included in the scope of architect engineering firm/design institute as per the format enclosed in the bid documents, failing which the Bidder shall be disqualified and his bid shall be rejected. In case of award, the architect engineering firm/design institute will be required to furnish a bank guarantee for 0.05% of the contract price in addition to the contract performance security to be furnished by the Bidder.

Explanatory note to Qualification Requirement for “Erection, Commissioning” (applicable for Clause No. 1.2 and Clause No.1.3).

Where erection and commissioning has not been in the scope of the Bidder, but he has acted as a full time Consultant/Adviser pertaining to construction management and field engineering services during the entire execution period for the erection and commissioning of steam generator and steam turbine & generator for the reference plant then he will be considered qualified against this requirement. However, necessary documents/certificates from the client, in support of above shall have to be submitted with the bid.

2.0 **QUALIFICATION REQUIREMENT INCLUDED IN THE TECHNICAL SPECIFICATION (This clause shall be read in conjunction with “Note on clause No.1.2” above)**

INTERESTED BIDDERS ARE REQUESTED ALSO TO REFER FOLLOWINGS REGARDING PROVENNESS OF CRITICAL EQUIPMENT/AUXILIARIES/ SYSTEMS/BOUGHT OUT ITEMS. USER certificates & supporting documents establishing the Provenness of the individual equipments/auxiliaries/Systems/Plants shall have to be submitted by the Bidder along with their main bid.

2.1 **PROVENNESS OF TURBINE SET**

- (i) The turbine set offered shall be built up using proven modules of 50 Hz machine having minimum of two (2) years of successful operations, as on date of submission of bid documents, subject to stipulations at “**Note on clause No.1.2**” above. Bidder shall furnish experience list of individual modules offered to substantiate their Provenness.

2.2 **PROVENNESS OF GENERATOR**

- (i) The offered generator shall be proven for successful operation, for a minimum of two (2) years as on date of submission of pre-qualification bid documents, subject to stipulations at “**Note on clause No.1.2**” above.
- (ii) The offered generator shall be similar in design and construction to the above proven generator in respect of:-
- (a) Cooling medium and cooling arrangement including fan.
 - (b) Insulation system.
 - (c) Winding support system
 - (d) Core and core support system.
- (iii) The generators to be supplied shall be manufactured, assembled and tested in the factory where generator of at least 500 MW has been manufactured in the past.

2.3 **PROVENNESS OF STEAM GENERATOR AND ELECTROSTATIC PRECIPITATOR**

(i) **Provenness of Steam Generator:**

The Bidder under overall responsibility for discharge/fulfillment of all obligations under this contract can source components of SG from those manufacturers who have capacity and capability to manufacture components for minimum 500 MW Steam Generator and have successfully fabricated and manufactured critical components such as pressure parts etc. for Steam Generators of at least two (2) Units of offered capacity which are in successful operation for a period of two (2) years from the date of bid opening. The above shall be read in conjunction with “**Note on clause No.1.2**” above and will be subject to owner’s approval.

(ii) **Provenness of Electrostatic Precipitator**

The 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 at least two (2) years as on the date of submission of bid documents.

2.4 **PROVENESS OF POWER CYCLE PIPING**

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.

AND

Should have experience in fabrication & welding of main steam piping with the material of the pipe as specified and offered.

2.5 **PROVENESS CRITERIA OF CONTROL & INSTRUMENTATION EQUIPMENTS/ SYSTEM**

- (i) **Provenness of Supplier:** - The various C&I equipment shall be from established sources i.e. the supplier for any particular type of equipment/system should have manufactured equipment/ system and should be under successful operation in at least two (2) Units of coal fired power station (s) having Unit rating of 500 MW or above, for not less than 2 years as on date of submission of bid documents.
- (ii) **Provenness of Offered System:-**
 - (a) For Burner Management System (including Boiler Protection), the successful operation period shall be not less than two (2) years as on the date of submission of bid documents in at least two Units of coal fired power station(s) having Unit rating of 500 MW or above.
 - (b) For steam turbine electro-hydraulic control system (including turbine protection), the successful operation period shall be not less than two (2) years as on the date of submission of bid documents in at least two Units of coal fired power station(s) having Unit rating of 500 MW or above.
 - (c) For other parts of Steam Generator Control & Instrumentation, Turbine generator Control and Instrumentation System & Balance of Plant control system of Distributed Digital Control System (DCS), the successful operation period shall be not less than two (2) years as on the date of submission of bid documents in at least two (2) Units of coal fired power station(s) having Unit rating of 500 MW or above.
 - (d) For the Man-Machine Interface (MMI) system, the successful operation period shall be not less than two (2) years as on the date of submission of bid documents in at least two (2) Units of coal fired power station(s) having Unit rating of 500 MW or above.
 - (e) Measuring Instruments (primary & secondary) UCP mounted control consoles, SWAS equipment, Instrumentation cables, Power Supply system (UPS & DC system), shall have at least two (2) years successful operation as on the date of submission of bid documents in two coal fired power station(s) having Unit rating of 500 MW or above.

2.6 **PROVENNESS OF BALANCE PLANTS/ EQUIPMENT/ SYSTEMS**

- (i) The Bidder at his option can source the following equipment(s)/system(s):-

Condenser, Condensate Extraction Pumps, Feed Water Heaters, De-aerators, Boiler Feed Pumps, HP-LP Bypass System, Condenser Air Evacuation Pumps, plate heat exchangers, HT Motors, LT Motors, Control Valves, C&I equipments/systems, Power Cycle piping and Condenser on load tube cleaning system(COLTS).

PA, ID & FD Fans, Coal Pulverizers, Gravimetric coal feeders SGWC Pumps, Air Pre heaters, FO Pumps, Mill Reject Handling System, Transformer Rectifier sets for Electro Static Precipitator, cranes and hoisting equipment, C&I equipments/systems, HVAC, ventilation system, Power transformers & rectifiers, HT< Switchgear /MCC's, Bus Ducts, HT cables, DC Battery and Chargers, Instrument Transformers, control and protection Panels, DG Sets.

- (ii) Irrespective, whether Bidder himself is a manufacturer / supplier for equipment(s)/system (s) or sources from other manufacturers/ suppliers, the particular type and make of equipment/system (mentioned at Cl. 2.6 (i) above) should be rated at least for the duty specified / required and shall be in successful operation in at least two (2) separate plants for a minimum period of two (2) years as on the date of submission of bid documents except for the equipments listed under Cl. 2.1, 2.2, 2.3, 2.4 & 2.5 for which the requirements stipulated in these clauses shall apply. Alternatively, the design of all equipment/ system (mentioned at Cl. 2.6 (i) above), shall be got 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.

- (iii) **Balance Equipments/ Systems**

The Bidder at his option can source the balance plant/ equipment/ systems not covered in clause 2.6 (i) above. However for such balance plant equipment/systems, the Owner reserves the rights to satisfy himself on the proven ness of the equipments and capability and capacity of the manufacturers.

2.7 **AGENCY FOR CIVIL WORK**

The Civil works are included in the scope, Bidder shall engage an agency/ agencies who have executed civil works including piling, major foundations, structural steel & concrete works and power plant building works, cooling water ducts, road works, rail track laying, drainage and sewerage system in at least two (2) Units of coal fired power station(s) having Unit rating of minimum 200 MW capacity.

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 sub-vendor, for approval by the Owner.

2.8 **AGENCY FOR ERECTION AND COMMISSIONING**

Bidder/sub-vendor for erection and/or commissioning of the plant (to be engaged for this project) should have experience in erection and/or commissioning (as the case may be) of at least two (2) Nos. of coal fired steam generator and two (2) nos. fossil fuel fired reheat type of steam turbine generator set of 500 MW or above capacity which are in successful operation for a period of not less than two (2) years as on the date of submission of bid documents.

- 2.9 To enable the approval of sub-vendors by the Owner, the Bidder shall provide all necessary data such as type, design, make, capacity, duty conditions, date of commissioning / operation, etc.
- 2.10 Notwithstanding anything stated above, the Owner reserves the right to assess the capabilities and capacity of the Bidder/his Collaborators/licenser/his subcontractors to perform the contract, should the circumstances warrant such assessment in the overall interest of the Owner.

6. Financing of the Project

All eligible payments under this Contract will be financed by Domestic Borrowing, Internal and other resources.

7. On the basis of a written application, tender documents, initially in soft form and finally in hard form will be available from the Office of the Director (Projects), WBPDCCL, Bidyut Unnayan Bhawan, Plot No. - 3/C, Block - LA, Sector – III, Salt Lake City, Kolkata – 700 098, from Monday to Friday (excluding Saturdays, Sundays & Holidays) from 10.00 Hours (IST) to 15.00 Hours (IST) during all working days on compliance of the stipulations as laid down in respect of the price and other necessary details specified in Sl.No.4 above.
8. Accredited agents/representatives of foreign Bidders in India are also permitted to purchase the tender documents on behalf of the foreign Bidder on presentation of valid document and on payment of requisite tender price as indicated above. No tender paper will be sent by post.
9. Tender papers are not transferable.
10. The offer must accompany the Earnest Money as indicated above failing which it will not be considered.
11. Any offer received after the expiry of the time prescribed for receiving completed tenders, will not be considered.
12. The WBPDCCL reserves the right to reject any tender or all tenders received at its discretion without assigning any reason whatsoever.
13. The WBPDCCL is not necessarily bound to accept the lowest offer.
14. Issuance of bidding documents will not be construed to mean that such Bidders are automatically considered qualified.
15. E-mail, Fax and Phone No. of WBPDCCL Corporate Office are:

E-mail : akghoshal@wbpdcl.co.in
Fax No. : 0091-33-2339 3286, 2335 0516 & 2335 0424
Phone No. : 0091-33-2335 0581, 2339 3204 & 2339 3395

16. Permanent Address of our Head Office for future correspondences and all other forthcoming related activities pertaining to subsequent processing of tender, award of contract etc. shall be as below:

The Director (Projects),
The West Bengal Power Development Corporation Limited,
Bidyut Unnayan Bhawan, Plot No. - 3/C, Block - LA,
Sector – III, Salt Lake City, Kolkata – 700 098

Sd/-

Director (Projects)