

BHARAT HEAVY ELECTRICALS LIMITED



APPLICATION FOR
EMPANELMENT OF VENDORS

FOR TIE UP
TO UNDERTAKE
SUPPLY & EXECUTION OF

BALANCE OF PLANT & CIVIL WORKS

FOR

120 MW AND ABOVE RATING

THERMAL POWER PLANTS

ON EPC BASIS

BHARAT HEAVY ELECTRICALS LTD.

POWER SECTOR- NORTHERN REGION

HRD & ESI COMPLEX,

PLOT NO. 25, SECTOR 16A,

NOIDA-201301(UP)

MAY 2006

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NOTICE FOR INVITATION FOR EMPANELMENT



BHARAT HEAVY ELECTRICALS LTD.
(A GOVERNMENT OF INDIA UNDERTAKING)

POWER SECTOR NORTHERN REGION
HRDI & PSNR BUILDING, PLOT NO. 25, SECTOR 16-A,
DISTT. GAUTAM BUDH NAGAR, NOIDA-201301

Phones : 0120-2515479

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NOTICE FOR EMPANELMENT OF VENDORS

BHEL, one of the world class leading organizations with annual turnover of over Rs Fourteen thousand crores, is inviting applications for EMPANELMENT from parties having average annual turnover of Rs 200 crores and above during the last three years and carrying out / interested in carrying out Design, Engineering, Manufacturing, Despatch, Erection & Commissioning of Balance of Plant packages as well as Civil & Structural Works for **120 MW** and / or higher rating Thermal (**Coal / Lignite/ Gas based**) Power Units (TPU) on EPC / Turnkey basis. The empanelled parties will be asked to submit bids for pre bid / post bid tie-ups with BHEL to become partner of BHEL while quoting / for executing EPC work of 120 MW and higher rating Thermal Units in India **or abroad** as and when required.

Following are the broad and **MINIMUM PARAMETERS FOR EMPANELMENT.**

Applicant should have executed any of the following work of minimum 200 MW or higher rating **Coal/Lignite based unit/ Gas based station of 200 MW and above in combined cycle mode** which is in operation for at least two years as on March, 2006.

1. EPC work of BOP, including CIVIL & structural work of at least one 200 MW and / or higher rating **Coal/Lignite based unit/ Gas based station of 200 MW and above in combined cycle mode.**
2. Civil, Structural , Architectural work of Main plant area and / or Auxiliary plants of minimum of total Contract Value of around Rs 35 Crores in one Thermal Power Plant.
3. Mechanical and / or Electrical work of BOP area of minimum of total Contract Value of Rs. 35 Crores in one Thermal Power Plant.

Broadly the following work / items are covered in BOP :

- Civil / Structural / Architectural works, multi-flue stack , Cooling towers, ash silo, roads / bridges etc.
- Coal handling / Ash handling / Mill reject handling plants, Pre-treatment / Sewage / Effluent Treatment / DM Water / Chlorination and Filtration Plants, fuel oil unloading, storage & forwarding system etc.
- Cranes, pumps, plate heat exchangers, filters, traveling screens & log gates etc.

- Air system, fire fighting / fire detection, protection and proofing system, AC & Ventilation system etc.
- Illumination, cabling and earthings, PA system, LT switchgear & transformers etc.

Application for Empanelment (non transferable) can be downloaded from our website www.bhel.com. Last date for submission of filled up application with supporting documents and processing fee of Rs 25000/- (Rupees Twenty-five Thousand only) is 16th June 2006 . Application is to be sent in a closed envelop superscribing “Application for EMPANELMENT of EPC Vendors”. BHEL reserves the right to annul the Empanelment process without assigning any reason whatsoever. Vendors who are already on BHEL panel for above works are exempted from paying processing fee and need to fill only the Application.

Add. General Manager / SCP

DISCLAIMER

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This document "Application for Empanelment" for pre bid/ post bid tie up of Vendors to undertake supply and execution of Balance of Plant and Civil Works in respect of 120 MW and above capacity Thermal (Coal/Lignite/Gas based) Power Projects at various locations in India has been prepared by Bharat Heavy Electricals Ltd. for making use of the short listed Vendors for execution of fast track projects against the enquiries to be issued subsequently on a competitive bid basis.

Neither BHEL warrants the completeness of the information presented herewith nor makes any representation that the information presented and requested herein constitutes all the necessary information. Each applicant accepts full responsibility for conducting an independent analysis of this Application and submit their application with his own understanding of the work relating to the thermal power projects and in the broad frame work of Application. The Applicant assumes all the responsibility and the risk associated with the information submitted and the interpretation of the information provided with the Application.

BHEL expressly disavow any obligation on duty to any Applicant. No Applicant is entitled to the award of works merely on the basis of pre-qualification and short listing in response to this Application or in solicitation process as a basis for bidding.

All information submitted in response to the Empanelment Application becomes the property of BHEL. BHEL does not accept the responsibility for maintaining the confidentiality of the material submitted with the application, nor any trade secrets and proprietary data provided and contained therein.

In submitting a qualification statement in response to this application, each applicant certifies that he undertakes, accepts and agrees to this disclaimer on this page. Nothing contained in any other provision of the Application nor statements made orally or in writing by any person or party shall have the effect of negating or superseding any of the disclaimers set -forth on this page.

I, (_____) (_____) authorised representative of
(Name) (Designation)
_____ agree with and accept content of the disclaimer
contained herein which shall be binding on me/ us.

Signature of Authorised
Representative of the Applicant

DEFINITIONS

DEFINITIONS

The following terms and expressions shall have the meaning hereby assigned to them except where the extent otherwise requires in this Empanelment Application.

1. **Applicant/ Bidder/ Vendor** shall mean single entity or consortium of Firms / Corporates/ Institutions in public, private or joint sectors etc. who is submitting the Application for Empanelment to this document and capable and desirous of undertaking supply and execution of Balance of Plant and Civil Works for 120 MW and above Thermal Power Projects, intending to be pre-qualified for short listing.
2. **BHEL** shall mean Bharat Heavy Electricals Limited, a company registered under the Indian Companies Act, 1956 with its registered office at BHEL HOUSE, SIRI FORT, NEW DELHI-110049 or its authorised Officers or its Engineers or other employees authorised to deal with any matters with which these persons are concerned on its behalf.
3. **PQ-APPLICATION** shall mean Empanelment Application
4. **Proposal** shall mean the Applicant's written offer in response to this PQ-Application.
5. **Units** shall mean thermal power generating units.
6. **TP** shall mean Thermal (Coal/Lignite/Gas based)Power
7. **TPP** shall mean Thermal (Coal/Lignite/Gas based) Power Project
8. **MOU** shall mean Memorandum of Understanding
9. **Lead Firm** shall mean Leader of the consortium of the Firms/Corporates/Institutions constituting the vendor, authorised to participate in the bidding process.
10. **FI** shall mean Financial Institution
11. **GOI** shall mean Government of India
12. **BOP** shall mean Balance of Plant
13. **EPC** shall mean engineering, procurement and construction
14. **Sub-Vendor** shall mean the agency/agencies appointed by the Applicant for supply and execution.
15. **TPU** shall mean Thermal (Coal/Lignite/Gas based) Power Unit

SECTION I

PREAMBLE

SECTION I

1.0 PREAMBLE

BHARAT HEAVY ELECTRICALS LIMITED (BHEL) is a Premier Engineering and Manufacturing Enterprise engaged in design, manufacture and installation services of power generating equipment on turnkey basis for Coal, Hydro, Gas and Nuclear Power Plants both in Domestic and International Markets. Transportation, Transmission, Coal, Steel, Petroleum, Fertiliser, Chemicals, Sugar, Metallurgical and other industries apart from setting up captive power plants on turnkey basis are the other major Business core segments, where BHEL has registered its presence apart from Defence and the Non-Conventional Energy Sector.

BHEL encompasses 14 Diverse Manufacturing Units supported by contemporary and unique manufacturing facilities, 4 Regional centres for installation and 8 service centres geographically spread out at strategic locations to cater quick and effective service to customers all over India. The company's inherent potential coupled with its strong performance over the years through its dedicated employees has resulted in its being listed as one of the Navaratna Public Sector Undertakings.

India is a developing country and huge capital is being invested on construction of Power Projects each year. The Government, the Public Sectors, the giant industrial organisations and the Multinational organisations are the major contributors to this construction activity. In recent years there has been an increasing tendency to have large size plants to avail of economies of large-scale production. For example, one can quote the Super Thermal Power Stations and large gas based Combined Cycle Power Plants or large Nuclear Power Plants or the large grass root Petrochemical Project and Fertiliser Project. Each of these project is estimated to be in the range of Rs 4, 000 to Rs.15, 000 Crores by way of capital expenditure.

These projects involve multi-facet construction activities of complex nature of various magnitudes depending upon the nature, size, type, design procedures and technicalities involved from concept to completion stage. The gestation period of these projects is quite long and may extend from 2 to 5 years. It is imperative that these projects are brought into productive use in the shortest possible time keeping in view the massive investments. The activities involve procurement of materials, manufacturing, packing and forwarding, transportation, unloading at the destination, storage, handling, lifting, erection, alignment, pre-commissioning, cold testing, commissioning, hot testing and trial operation etc and the associated civil works.

The recent trend of various customers is to demand execution of the Projects on EPC fast track basis with minimum gestation period keeping in view the huge investments and the servicing of borrowings. Further considering the Power Development Programme of Government of India to add around 63000 MW in Eleventh Five-Year Plan, this trend is likely to increase in future. In order to meet the expectations of the GOI and the customers in regard to minimum completion period of the Projects, BHEL would pre-qualify the vendors and short list for the Balance of Plant (BOP) and Civil works. These pre-qualified vendors will be subsequently asked for submission of their bids when such requirement comes from the customers on a competitive and "Back to Back" basis.

SECTION II

PURPOSE AND INTENT

SECTION II

2.0 PURPOSE AND INTENT

2.1 Purpose:

The purpose for installation and commissioning of the large Thermal Power Projects in shortest possible periods is considered to be achievement of economic, reliable, efficient, safe and environmentally acceptable operation. There is an immediate requirement to undertake this action due to the following reasons.

- a) The demand for electric power in the country continues to grow at a rapid rate, out-stripping the availability for the same. This has resulted in continuous shortages of power in different parts of the country, forcing the power supply industry to impose restrictions on supply of electricity, resulting in suppressed energy consumption and need to adopt regulatory measures.
- b) Although, the new capacity addition programme was continuing with efforts to improve the time cycle in installation, the same could not meet the demand growth rate as only an average addition of 3500 - 4000 MW could only be added in a year as against the planned addition of 10000 MW.
- c) The efforts made to improve the performance of the existing hydro units could not meet the expected level of success on time due to plant locations in Himalayas, suffering heavy damage in monsoon months due to silt and water there by leaving a growing deficit in the peak load period and resulted in falling hydro-thermal mix ratio.
- d) The fast improvement/upgradation in technology during the past few years has made certain equipment obsolete resulting in problem of spares management as manufacturers have stopped manufacturing these types of machines and related spares particularly in reference to the imported machines. This has also contributed to shortfall in generation. This calls for fresh investment and modernisation in such cases.
- e) The recent trend of various customers is to demand execution of the Projects on EPC fast track basis with minimum gestation period keeping in view the huge investments and the servicing of borrowings. Further considering the Power Development Programme of Government of India to add around 63000 MW in Eleventh Five-Year Plan, this trend is likely to increase in future. In order to meet the expectations of the GOI and the customers in regard to minimum completion period of the Projects, BHEL would pre-qualify the vendors and short list for the Balance of Plant (BOP) and Civil works.

2.2 Need for pre-qualifying & Empanelment of vendors

2.2.1 Keeping in view the project schedule sought by various customers, it becomes imperative for BHEL to entrust the work like balance of plant and civil works to the single agency on back to back basis. This would require the services of various contractors for execution of such works. In order to avail a wider choice in the selection of technically capable and experienced vendors having sound organisation set up in respect of manpower, finance, other resources such as construction and testing equipment and other facilities to undertake the supply and execution of balance of plant and civil works, pre-qualification and short listing of vendors is considered necessary. Only those vendors who prima facie satisfy the qualification criteria may be short listed.

2.2.2 The envisaged advantages of Empanelment to Customer and Nation as whole :

- a) Saving in cost and time in selection of suitable vendors
- b) Appropriate and wide choice for inviting competitive bids
- c) Saving of time and planning & execution
- d) Inducing competition without sacrificing time & quality
- e) Risk sharing

2.3 Intent of Application :

2.3.1 In order to accelerate implementation of installation and commissioning of the new Thermal Power Projects, it is intended to invite Application, through this document, by an Open Notice, for inviting Pre-Qualification applications from vendors capable of undertaking the supply and execution of Balance of Plant and Civil works for 120MW and above Thermal Power Projects and short list them. The pre-qualified vendors would subsequently asked for submission of bids whenever such requirement comes from the customers on a competitive and Back to Back basis for BOP and Civil works. Further an MOU would be signed by the selected bidder for a Pre-bid/ post bid tie up with BHEL on Back to Back basis with the terms and conditions as agreed by BHEL with its customer.

2.3.2 The currency of the short-listing will be valid for a period of 3 years.

SECTION III

**TECHNICAL BRIEF OF THERMAL POWER PROJECTS IN INDIA
AND
JOB REQUIREMENTS**

SECTION III

3.0 TECHNICAL BRIEF DESCRIPTION OF THERMAL POWER PLANTS IN INDIA AND JOB REQUIREMENT

3.1 Power Development in India- an overview:

3.1.1 The first hydroelectric power plant in India (2x65KW) was commissioned on 10th November 1897 near Darjeeling in West Bengal followed by Shivasamundram (4500KW) in 1902 in Karnataka. After that, a good number of small hydro plants were installed all over the country. By the time the country attained independence in 1947, the hydro installed capacity was 508 MW out of total installed capacity of 1362 MW. Soon after the country attained independence, the need to generate more power at a faster pace for accelerating the country's all round development was recognised and has been under accomplishment year after year. The total installed capacity with country's utilities excluding the Non-Conventional Power generating sets has now (as on 31.03.2006) risen to 118561.00 MW comprising 69004 MW Coal, 12808 MW Gas, 3645MW Nuclear, 1179 MW Diesel and 31925 MW Hydro.

3.1.2 Out of the total installed capacity of 118561 MW in the utility sector BHEL has contributed 65% constituting 76741 MW, the break up for which is as under.

Coal based sets	54025	MW	78% of Coal installed sets
Gas based sets	3570	MW	28% of Gas installed sets
Hydro Sets	16161	MW	51% of Hydro installed sets
Nuclear sets	2785	MW	76% of Nuclear installed sets
Diesel sets	199	MW	76% of Diesel installed sets

3.1.3 The total number of Coal based utility sets of BHEL make in the country is 269 as on 31.03.2006 excluding the 30 MW sets installed in Basin Bridge, Chennai which since has been abandoned. The total number of Hydro utility sets of BHEL. make in the country as on 31.03.2006 is 361. BHEL make higher rating (195/ 200/210MW, 250 MW and 500 MW) Thermal sets numbering 177 constitute 65% of the total Coal Generating Capacity of 69004 MW in the country. Balance 92 BHEL sets of 130 MW and lower rating contribute 13% of in the country's coal MW capacity.

3.1.4 The higher rating BHEL make machines of 195/200/210/250/500 MW jointly form the backbone of country's Thermal Power Generation with their combined Plant Load Factor during 2005-06 was 79.8%.

3.1.5 The GOI have planned to add 62529 MW during the 11th Five Year Plan (2007-2012). An average of about 12500 MW installations per year shall constitute large number high capacity sets encompassing 210/250/500 MW.

3.2 Job Requirements:

The Applicant should be capable of carrying out design, engineering, manufacturing, shop fabrication, assembly, testing and inspection at supplier's works, packing, despatch, transportation to site, insurance, delivery at site, receipt, unloading, handling, storage and in plant transportation at site, complete installation, pre-commissioning, completion of facilities, conductance of performance guarantee tests & handing over to customer of the civil works & balance of plant equipment including .

- Civil, structural and Architectural works including soil investigations, earth work, earth mat, foundations, sub and super structures, plant & non plant buildings, power house, multi- flue stack, ash silo, roads and bridges etc.
- Coal handling / Ash handling/, mill reject handling plant, Pre treatment/ sewage/effluent treatment / DM water plant, fuel oil unloading, storage & forwarding system,
- Stack, goods and passenger elevators etc.
- Mill bay structural steel structure, cranes, hoists,
- Condensate polishing unit, HP/LP dosing, RW/CW/DW Chlorination and filtration plants etc.
- Equipment cooling system, LP piping, cooling towers, vertical and horizontal miscellaneous pumps, plate heat exchangers, filters, travelling screens and log gates etc.
- Compressed air system, fire detection and protection system, AC & Ventilation system.
- Plant electrical equipment & systems such as illumination, cabling and earthing, PA system, DC system, lab equipment, LT switchgear, & auxiliary transformers etc.

The above list is not exhaustive and it is not intended to list each and every item that is needed for completion of a Thermal Power Project and is to primarily to give an idea of the nature of works involved.

SECTION IV
INFORMATION FOR PRE-QUALIFICATION OF APPLICANTS

SECTION IV

4.0 INFORMATION FOR PRE-QUALIFICATION OF APPLICANTS

4.1 Proposed Methodology

The following methodology and sequence is intended to be employed in empanelling of applicants /vendors and then awarding works to the pre-qualified /empanelled vendors for undertaking supply and execution of balance of plant and civil works for 120 MW and above rating Thermal Power Projects.

- a) Invite PQ Applications from vendors for empanelling.
- b) Evaluate the Applications received and create a panel of suitable vendors.

4.2 Procedure for short listing of Vendors

4.2.1 The applications satisfying the pre-qualification requirements shall be submitted by each Applicant/ vendor. The Application submitted by the vendors shall be analysed as per the qualification requirements specified in the Application Document.

4.2.2 Decision of BHEL in arriving at short list of vendors shall be binding on the vendors.

4.3 Fee for submitting with the Application and its objective

4.3.1 A non-refundable application processing fee of Rs.25,000/- (Rupees twenty five thousand only) shall be charged.

4.3.2 Application proposal should be submitted alongwith an application processing fee as indicated in clause no. 4.3.1 above through a crossed Demand Draft in favour of Bharat Heavy Electricals Ltd., Noida **in a separate envelop**. Vendors who are already on BHEL panel for above works are exempted from paying processing fee and need to fill only the Application.

4.4 Information/Instructions to the Applicants

4.4.1 All information/ requests made/given to BHEL by the Applicant shall be made in English language.

4.4.2 Complete answers as desired in the Application Document according to format set should be provided. If necessary, additional sheet may be attached. Failure of the Bidder to submit the complete information as desired may lead to rejection of the Application.

- 4.4.3** The vendors / applicants could be a single entity (company, corporation or unincorporated association) or can be a team of two to three members (consortium, joint venture etc.). Each vendor or consortium member shall submit the Form-I (affidavit by the member) and Form-1A (letter of agreement among the consortium members) as may be applicable. Vendors shall also furnish copy of the detailed MOU between vendors and members of the team for civil / consultancy / manufacture / supply of equipment & works undertaken.
- 4.4.4** For determining the experience and capability of each vendor, the details given for individual members on the respective Forms shall be taken into consideration for evaluation. However, the experience and resources of sub-vendor to the applicant shall not be taken into account in determining the applicant compliance with the pre-qualification criteria.
- 4.4.5** Full details of the Applicant's capabilities and facilities for designing manufacturing, constructing and executing the works specified should be furnished along with the application.
- 4.4.6** The details of the experience list giving all necessary data such as type, design, make, capacity, duty condition, date of commissioning / commercial operation etc. supported by end user certificates satisfying the requirements specified in the qualifying requirements shall also be furnished.
- 4.4.7** The details of **financial capability** supported by latest audited annual reports for the preceding three years.
- 4.4.8** The details of the **order book position** clearly indicating the orders in hand, orders under execution and expected orders shall be furnished.
- 4.4.9** The details of Quality (ISO 9000), Occupational Health & Safety (OHSAS 18001), Environmental Policy (ISO 14000) of the Applicant / their consortium members and details of accreditation with supporting documents.
- 4.4.10** The details of the organisation structure indicating the names and designation of key personnel at Head Office, Proposed module for Site Management and Project Management shall be furnished.
- 4.4.11** After the applicant has been pre-qualified and short-listed, the structure of the consortium formed for the purpose of qualification, may not be changed for a period of 3 years without prior approval of BHEL.
- 4.4.12** BHEL reserves the right to use and interpret the documentation they receive in accordance with their own judgment and their own methods to arrive at pre-qualification and short listing without any interference from any outside source.
- 4.4.13** BHEL reserves the right to contact references and verify applicant's information for the purpose of pre-qualification. BHEL will not enter into any correspondence with the applicant / its representative etc. except to seek clarification when necessary.

4.4.14 BHEL shall endeavor to ensure that no information of one Applicant is passed on to **any** other Applicant. However, BHEL does not accept the responsibility for maintaining confidentiality of the material submitted with the Application or any trade secrets and proprietary data provided or contained therein. The documents submitted by the vendor's along with their Application proposals would remain the property of BHEL.

4.4.15 Each Applicant shall submit the Application proposal duly printed/typed in 3 sets (one original and 2 copies) of the Application proposal, on or before due date and time at the following address:

**Additional General Manager/SCP
BHEL, Power Sector-Northern Region,
HRD & ESI Complex,
Plot No. 25, Sector-16A,
Noida-201301 (UP)
Tel: 0120-2515479 FAX: 0120-2515464**

Envelope containing the Application shall be super-scribed on the cover "**Application for Empanelment of EPC Vendors**".

4.4.16 BHEL reserves the right to consider or otherwise the bids received after the due date and time. The Application may be sent by Regd. Post/through courier or submitted personally. BHEL shall not be responsible for non-receipt / delayed receipt of Application proposal sent by post / courier.

4.4.17 BHEL reserves the right to accept or reject any or all Applications without thereby incurring any liability to the affected applicants or any obligations to inform the applicants of the ground, for the action of BHEL. BHEL reserves the right not to Empanel any Applicant without assigning any reasons thereof and may terminate the pre-qualification process at any time without thereby incurring any liability to any applicant.

4.4.18 It is expected that Application for Empanelment submitted by the applicants shall be complete and clear so that evaluation could be completed without seeking any further clarifications.

4.5 Disqualification of Vendors

Disqualification of the bidders shall be done under the following circumstances.

- a) Canvassing in any form by the bidder.
- b) In case at any stage, it is found after calling for an explanation from the applicant that the applicant has misrepresented the facts, the applicant stands disqualified, even if short-listed.

4.6 Refund of Processing Fee

The processing fee may be refunded at the discretion of BHEL, only in case when the process is terminated for any reason

SECTION V

PRE-QUALIFICATION CRITERIA

SECTION V

5.0 Pre-Qualification criteria for Applicants :

The Application is open to vendors who may be a Firm or Consortium of Firms/Institutions with defined relationship and who fulfil the criteria requirements as laid down hereunder. Applicants will be Empanelled for undertaking the supply and execution of Balance of Plant and Civil works for 120 MW and/or higher rating Thermal Power Units on EPC /Turnkey basis.

5.1 Broad and Minimum Parameters for Empanelment:

Applicant should have executed any of the following work of minimum 200 MW or higher rating [Coal/Lignite based unit/ Gas based station of 200 MW and above in combined cycle mode](#) which is in operation for at least two years as on March, 2006.

- 1 EPC work of BOP, including CIVIL & structural work of at least one 200 MW and / or higher rating [Coal/Lignite based unit/ Gas based station of 200 MW and above in combined cycle mode](#).
- 2 Civil, Structural , Architectural work of Main plant area and / or Auxiliary plants of minimum of total Contract Value of around Rs 35 Crores in one Thermal Power Plant.
- 3 Mechanical and / or Electrical work of BOP area of minimum of total Contract Value of Rs. 35 Crores in one Thermal Power Plant.

Broadly the following work / items are covered in BOP :

- Civil / Structural / Architectural works, multi-flue stack , Cooling towers, ash silo, roads / bridges etc.
- Coal handling / Ash handling / Mill reject handling plants, Pre-treatment / Sewage / Effluent Treatment / DM Water / Chlorination and Filtration Plants, fuel oil unloading, storage & forwarding system etc.
- Cranes, pumps, plate heat exchangers, filters, traveling screens & log gates etc.
- Air system, fire fighting / fire detection, protection and proofing system, AC & Ventilation system etc.
- Illumination, cabling and earthings, PA system, LT switchgear & transformers etc.

5.2 Requirement in respect of Construction Machinery, tools & Plants, testing instruments and facilities, manpower and financial capabilities:

- a) The Applicant should have required construction machinery, tools & plants, testing instruments, testing and inspection facilities adequately(at site, works, laboratory) for testing and analysis of material, electrical, mechanical and civil engineering works; pertaining to all the BOP equipment and civil works of Thermal Power Plant and systems, for units 120 and above capacity or alternatively, have the tie-up/associated with the laboratories having such facilities. The Applicant shall list the equipment and machinery in his possession, which are intended to be used. The Applicant shall also have financial capacity to arrange the required construction machinery, tools, IMT's, testing instruments etc as required at his own cost to meet the work schedule.

- b) The Applicant shall have qualified/experienced team of professionals for carrying out works at both in the office and field. The Applicant shall furnish the details of manpower available with him indicating their qualifications, past experience, details of work done on various projects by them, name of projects, size and location etc. to establish their expertise in the relevant fields including the design office, project management etc.
 - c) The Applicant shall have very sound financial capability and capacity.
 - d) For determining the combined financial capability, the bidder/ individual member of consortium shall complete and submit the Form -V and audited financial statements for the purpose of evaluation.
- 5.3 The Applicants should satisfy themselves before submission of the Application to BHEL that they meet the qualifying criteria and capability as laid down in this document to undertake the subject work.

SECTION VI

EVALUATION CRITERIA OF APPLICATIONS

SECTION VI

6.0 Evaluation of Applications:

6.1 Evaluation Criteria & Procedure:

- 6.1.1** Applications will be evaluated on the basis of information/documents furnished by the applicants in response to the "Notice Invitation for Empanelment" and criteria set in Section-V of this document.
- 6.1.2** BHEL intends to evaluate those Applicants who in BHEL's opinion, fulfil pre-qualification criteria of this document in a satisfactory manner.
- 6.1.3** Evaluation criteria carry a weightage of 100 points. Each Applicant will be awarded a due weightage- credit points based on the information furnished and ascertained by BHEL. Decision of awarding credit points will be solely at the discretion of BHEL.

6.1.4 Summarised criteria for award of credit points is indicated below.

S.NO.	PARTICULARS	WEIGHTAGE
1	Past experience of Applicants including the experience of members of the consortium partners/joint venture partners.	40
2	Resources of Applicant including that of the members of the consortium partners/joint venture partners where applicable, a) Construction plant & Machinery available, b) Organisation set up as a whole both at backoffice and field, c) Manpower strength and capabilities, d) IMTs, tools, testing equipment and linkage with testing laboratories, e) Project Management set up. f) Design/Engineering facilities.	40
3	Financial capacity & capability of Applicant and members of consortium/joint venture partners where applicable.	10
4	Documents in support of Quality (ISO-9000), Occupational Health & Safety(OHSAS-18001),Environmental Policy (ISO-14000) of the applicant/consortium members/joint venture partners and details of accreditation.	10

SECTION VII

**INFORMATION REQUIRED FROM
APPLICANTS FOR EMPANELMENT**

SECTION VII

7.0 INFORMATION REQUIRED FROM APPLICANTS FOR PRE-QUALIFICATION

7.1 Each Applicant shall furnish the information as required below:

- a) Affidavit in Form-I authorising his representatives for submission of Application proposal.
- b) Letter of Agreement amongst consortium members (if applicable) in Form 1 A.
- c) General information about the bidder/applicant in Form -II giving details about the company, broadly covering the following aspects.
 - Name & category of Applicant
 - Address
 - Area of specialisation
 - Name & address of contact person and telephone nos., fax nos., E-mail nos. and details regarding offices in India.
 - Past history about the company/bidder etc.
- d) Similar details as required in 7.1 above shall also be furnished by each consortium members/joint venture partner.
- e) In case of consortium firms, there should be a demonstrable stable tie-up between / amongst consortium members. The consortium members shall be jointly and severally responsible for the works awarded on a future date to them as a result of pre-qualification & short listing.
- f) Documentary evidence to establish the following shall be provided.
 - Details of consortium relationship /joint venture partner & period of tie-up.
 - Responsibility of each consortium member/joint venture partner.
 - Details of agreement of selection of consortium leader.

7.2 Details of past experience of Applicants, alongwith back up information shall be furnished in Form III & III A broadly covering the following aspects:

- Design engineering, manufacturing, supply, fabrication, testing , inspection, erection and commissioning undertaken in respect of balance of plant and civil works at thermal power projects as called for in the Application document.
- Documentary evidence / letters from the project authorities for having accomplished the works on EPC basis with a minimum rating of 200 MW coal set at one power station or Gas Station of 200 MW and above in combined cycle mode . The unit should have been in operation for at least two years.
- List of construction machinery/ testing instruments/fabrication facilities etc. available with the applicant.
- Applicant shall furnish the details of resources available with him in Form -IV for carrying out the field/backoffice works.
- Applicant shall furnish certified copies of audited balance sheets, profit and loss statements for the last 3 years to indicate his sound financial capability and capacity as required in Form-V.
- Banker's certification in support of sound financial capability /credit worthiness.

- Names of two clients with complete addresses to which reference may be made.
- Are any litigation's/disputes against the vendor going on? If yes, give details.
- Brief technical details of all the generating Units , which have been executed on EPC basis.
- Any other information the Applicants wish to provide in support for pre-qualification for Empanelment.

SECTION VIII

CHECK LIST FOR APPLICATION PROPOSAL

SECTION VIII

8.0 CHECK LIST FOR APPLICATION PROPOSAL

8.1 Each Applicant shall check the document submitted with the Application proposal for the items given below and tick mark in the blank space provided(Yes" or "No")

S.No.	Description	Yes	No
1.	Disclaimer signed and submitted		
2.	Fee for submitting the Application proposal deposited with BHEL		
3.	Affidavit by bidder Form I and Form 1A as applicable submitted with the Application proposal		
4.	Documentary evidence in support of stable tie up amongst consortium members/joint venture partners submitted with the Application proposal.		
5.	Form of general information about vendors company/applicant in Form II furnished		
6.	Details of past experience on one coal fired power plant with minimum rating of 200 MW at one power station or Gas based station of 200 MW and above capacity in combined cycle mode in operation for two years as on March 2006 to be furnished in Form III, IIIA & clearly indicating sharing of works/ responsibilities		
7.	Construction machinery, testing equipment etc.		
8.	Details of resources available Form IV		
9.	Balance sheets for last three years		
10.	Bankers certification		
11.	Copy of Income Tax Clearance Certificates and PAN Number, VAT/ Service Tax/WCT		
12.	Supporting documents/ letter from project authorities where works accomplished		
13.	Accreditation certificates		

Name

Signature of the Applicant / authorised representative

FORMS(I TO V)

FORM I

AFFIDAVIT BY THE APPLICANT

The undersigned, (name of official) of legal age, and residing at _____ after having been duly sworn deposes and states:

1. That he is the(official capacity) of the (Name of the firm) Corporation/Association/ Individual, duly organised under law of India.

2. That personally, and as (official capacity) for Corporation/Association/ Individual, he hereby certifies

- a) That all statements made in the Applicants pre-qualification statement and in the required attachment are true and correct;
- b) That this statement is made for the express purpose of empanelling him to undertake the supply & execution of balance of plant and civil works .
- c) That all required Forms as desired are submitted herein;
- d) The applicant will make available to BHEL or its authorised agency any information they may find necessary to verify any item in the statement or regarding his competence and general reputation;
- e) That the applicant is not the subject of litigation.
- f) That the undersigned is duly authorised by the corporation/individual to make these representations and to sign this Statement.

(Applicant)

Witness

1 _____ **2** _____

Subscribed and sworn to before me
This _____ day of _____ 2002
At _____

Attachment (if applicable)

Notary Public

FORM 1 A

**LETTER OF AGREEMENT AMONGST THE CONSORTIUM MEMBERS
(IF APPLICABLE)**

FORM II

GENERAL INFORMATION ABOUT APPLICANT

The information be furnished as required below:

1. Category of Applicant, whether
 - a) Single entity
 - b) Consortium of firms / institutions / Corporate
 - c) Joint venture
 - d) Private Limited Company
 - e) Public Limited Company
 - f) Others
2. Year since organised
3. Copy of Memorandum and Articles of Association(to be attached)
4. Name of the Applicant

If consortium

 - Leader
 - Members
5. Addresses of the members & leader
6. Responsibility of each consortium member
7. Consortium/joint venture relationship/period of tie up
8. Type of agreement
9. Date and year of commencement of service
10. Contact person's name, designation, address, telephone no., fax no., e-mail no. and details of officers.
11. Any other information

Name

Signature of the Applicant/authorized representative

FORM III

DETAILS OF THE PAST EXPERIENCE OF THE APPLICANT/CONSORTIUM MEMBERS

The information given below is furnished for at least one generating unit as called for in the Application Documents.(Pl. use separate copy of this Form for different units/power stations).

1. Name of the Power House
2. Place where located with complete address
3. MW capacity of the unit and no. of units
4. Other important features of the plant
5. Months/years when work commenced
6. Months/years when work completed
7. Duration and Reasons for delay, if any
8. Scope of work(design, engineering, manufacturing, fabrication, testing & inspection of Balance of Plants & Civil Works).
9. The areas covered
10. Sharing of work/responsibilities amongst consortium members
11. Any other information the bidder wish to furnish in support of past experience

Name

Signature of the Applicant / authorised representative

FORM III A

**OVERALL EXPERIENCE OF SOLE APPLICANT/ LEADER OF CONSORTIUM IN
THERMAL POWER PLANT**

MW: _____

S.NO.	DESCRIPTION	INHOUSE CAPABILITY			ARRANGEMENT THROUGH EXTERNAL SOURCE		
		Enginee - ring	Procure ment/ Manufa- cture & Supply	Constr- uction/ Executi- on	Engi nee- ring	Procure ment/ Manufa- cture & Supply	Constr uction/ Execu - tion
1	Coal handling plant and associated systems						
2	Ash handling plant and associated systems						
3	Cooling water plant and associated system						
4	DM water plant and associated systems						
5	Other water systems ♦ Pre-treatment ♦ Sewage treatment ♦ Effluent treatment ♦ Chlorination & filtration ♦ RW.CW &DW						
6	Complete Electrical systems ♦ Illumination ♦ Cabling & earthing ♦ LT Switchgear ♦ PA system ♦ Transformers ♦ DG set etc						
7	Other Mechanical systems ♦ Mil reject handling ♦ Compressed Air ♦ AC & Ventilation ♦ Cranes ♦ Plate heat exchangers ♦ Filters, travelling screens and log gates etc ♦ Fuel oil unloading, storage & forwarding						

FORM III A(CONTINUED)
OVERALL EXPERIENCE OF SOLE APPLICANT/ LEADER OF CONSORTIUM IN
THERMAL POWER PLANT

S.NO.	DESCRIPTION	INHOUSE CAPABILITY			ARRANGEMENT THROUGH EXTERNAL SOURCE		
		Enginee - ring	Procure ment/ Manufa- cture & Supply	Constr- uction/ Executi - on	Engi nee- ring	Procure ment/ Manufa- cture & Supply	Constr uction/ Execu - tion
8	Piling & associated works						
9	Cooling towers & associated systems						
10	Multi-flue stack & associated works						
11	BTG area civil works						
12	Firefighting & associated systems ♦ Fire detection ♦ Fire protection ♦ Fire proofing						
13	LP piping with tankages etc						
14	Structural fabrication works						
15	Coal handling plant civil works						
16	Ash handling plant civil works						

NOTE: 1 .Applicant to use "**tick mark**" in the squares where applicable and "**cross mark**" in other squares.

2.Separate sheets should be used for different rating (210/250/500 MW) Units.

Signature of the Applicant / authorised representative

FORM IV

RESOURCES AVAILABLE WITH THE APPLICANT

Bidder/applicant shall furnish details of resources available with him to carry out field and back office works.

1. Details of construction machinery, tools & plants, testing instruments/equipment and up front linkage with test laboratories.
2. Fabrication & manufacturing capabilities.
 - a) Plant & machinery's to be used
 - b) Availability of plant & machinery
3. Manpower strength & capabilities for field work
 - a) Technical & non technical
 - No. of engineers
 - No. of technicians
 - No. of executives
 - Others
 - b) Manpower deployed in back office (design/engineering office)
 - No. of Managers
 - No. of Engineers
 - No. of Drafts men/technicians
 - Others
4. Facility for drafting/CAD.
5. Organisation set up as a whole and proposed for the subject work.
6. Any other information

Name

Signature of the Applicant/authorised representative

FORM V

FINANCIAL CAPABILITY OF THE APPLICANT

1. Applicant shall provide information to demonstrate financial capability to undertake the work of this magnitude.
2. Applicant shall provide audited financial statement for the preceding 3 years.
3. Name and address of Applicant's banker(s)
4. Letter from bank in support of the financial capability/credit worthiness indicating the overdraft facility available.
5. Applicant shall provide Income tax clearance certificates for the last three years and PAN number

Name

Signature of the Applicant /Authorised representative