

INSTITUTE FOR PLASMA RESEARCH
Near Indira Bridge, Bhat, Gandhinagar – 382 428 (Gujarat)

Notice no. IPR/TN/HVAC/01/2010

Expression of Interest

Pre-qualification of Reputed HVAC Contractors for HVAC work of Under Construction ITER-India Laboratory buildings (Scope of work includes Air Cooled Water Chillers, AHUs, Pumps, Piping, Ducting works etc.) at IPR campus at BHAT Gandhinagar.

Institute For Plasma Research – IPR is constructing ITER-India Laboratory building and intend to do HVAC work for the said ITER-India Laboratory building. The approximate estimated cost of work is Rs. 4.40 Crore and period of completion is 6 months. The Reputed HVAC Contractors who meet the following requirements are invited to express their interest for pre-qualification bid along with requisite documents.

- a) The reputed HVAC contractor preferably having valid registration in appropriate class with CPWD/PWD/MES/Railways/Other Government Organisation/Statutory Bodies. **Joint Venture / Tie ups will not be allowed.**
- b) Should have valid minimum bank solvency of Rs. 176 Lakhs.
- c) Should have minimum of five years of experience in HVAC business as on 31-12-2009
- d) The bidder should have satisfactorily completed works of chilled water central air conditioning plant with Chillers, AHUs, ducting, etc. with order for all these equipment & items as part of the order.
- e) Experience of Minimum value of successfully completed similar project works within the last five years (Financial year 2008-09, 2007-08, 2006-07, 2005-06 & 2004-05) shall be as under:
At least **One project** of minimum value of Rs.3.52 Crores OR
At least **Two projects** of minimum value of Rs.2.64 Crores OR
At least **Three project** of minimum value of Rs.1.76 Crores.
- f) Annual Financial Turnover (gross) in HVAC Works computed, as average of the last three years i.e. 2006-07, 2007-08, 2008-09 duly audited by Chartered Accountant should be over Rs. 10 Cr., each year. The Contractor shall submit Audited Balance Sheet in support.
- g) The firm should have been a profit-making organisation for year ending 31-03-2007 ((FY 06 -07) 31-03-2008 (FY 07-08) and 31-03-2009 (FY 08-09).
- h) Great Emphasis will be put in Selection of Contractors for the proposed work on the quality of equipment, ability and competency of contractors to do good quality work according to the time schedule in close coordination with other agencies, and design, execution & service infrastructure.
- i) For the purpose "Cost of Work" shall mean gross value of the completed works including the cost of materials supplied by the contractor / client, but excluding those supplied free of cost. For the purpose of clause "Similar Works" means HVAC Works comprising of supply, installation, testing and commissioning of Allied Chillers, AHUs, Pumps, Piping Works, ducting work etc. Documentary evidence for each similar work should contain performance certificate from client clearly indicating full details of nature of work, work order no. & date, client address, value of work as per work order and as per actual completion, period of completion as per work order and as per actual.

The pre-qualification bid can be viewed and downloaded from the website <http://www.ipr.res.in/purchasetenders.html> & http://www.iter-india.res.in/display_tender_grid.php. The hard copy of the same shall be available from **16-02-2010 to 09-03-2010 during 11.00 am. to 4.00 pm. on working days (Monday to Friday)** on payment of **Rs 1500/-** (non-refundable) by pay order or demand draft in favour of "Institute For Plasma Research" payable at Ahmedabad from the office of "The Acting Chief Administrative Officer" at the above address. The prequalification bid shall have to be submitted duly filled and signed at the above mention address. The last date of submission of bid is **23-03-2010 on or before 1.00 pm**. The bidders should submit proof of eligibility criteria in the pre-qualification bid failing which such bids would be rejected. The Bidder who has downloaded the document from website should attach, along with the bid document, a pay order or demand draft of **Rs. 1,500/-**(non-refundable) in favour of "Institute For Plasma Research" payable at Ahmedabad.

The Director, IPR reserves the right of selection or rejection of any or all tenderers without assigning reason thereof.

INSTITUTE FOR PLASMA RESEARCH

Near Indira Bridge, Bhat
Gandhinagar – 382 428 (Gujarat)

Pre Qualification Document For ITER Laboratory Building HVAC Work at IPR, Bhat - Gandhinagar.

Tender No. : IPR/TN/HVAC/01/2010
Issued To : _____
Address : _____

Phone No : _____
Issued On : _____
Issued By : _____

Last Date of Submission: 23/03/2010, up to 1:00 PM

ARCHITECT:

HCP DESIGN AND PROJECT MANAGEMENT PVT. LTD.
Paritosh, Usmanpura, Ahmedabad - 380 013. Phone: 27550875, 27552563, Fax: 2755 2924

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A. Tender notice:

INSTITUTE FOR PLASMA RESEARCH
Near Indira Bridge, Bhat, Gandhinagar – 382 428 (Gujarat)

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Expression of Interest

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- j) The reputed HVAC contractor preferably having valid registration in appropriate class with CPWD/PWD/MES/Railways/Other Government Organisation/Statutory Bodies. **Joint Venture / Tie ups will not be allowed.**
- k) Should have valid minimum bank solvency of Rs. 176 Lakhs.
- l) Should have minimum of five years of experience in HVAC business as on 31-12-2009
- m) The bidder should have satisfactorily completed works of chilled water central air conditioning plant with Chillers, AHUs, ducting, etc. with order for all these equipment & items as part of the order.
- n) Experience of Minimum value of successfully completed similar project works within the last five years (Financial year 2008-09, 2007-08, 2006-07, 2005-06 & 2004-05) shall be as under:
At least **One project** of minimum value of Rs.3.52 Crores OR
At least **Two projects** of minimum value of Rs.2.64 Crores OR
At least **Three project** of minimum value of Rs.1.76 Crores.
- o) Annual Financial Turnover (gross) in HVAC Works computed, as average of the last three years i.e. 2006-07, 2007-08, 2008-09 duly audited by Chartered Accountant should be over Rs. 10 Cr., each year. The Contractor shall submit Audited Balance Sheet in support.
- p) The firm should have been a profit-making organisation for year ending 31-03-2007 ((FY 06 -07) 31-03-2008 (FY 07-08) and 31-03-2009 (FY 08-09).
- q) Great Emphasis will be put in Selection of Contractors for the proposed work on the quality of equipment, ability and competency of contractors to do good quality work according to the time schedule in close coordination with other agencies, and design, execution & service infrastructure.
- r) For the purpose "Cost of Work" shall mean gross value of the completed works including the cost of materials supplied by the contractor / client, but excluding those supplied free of cost. For the purpose of clause "Similar Works" means HVAC Works comprising of supply, installation, testing and commissioning of Allied Chillers, AHUs, Pumps, Piping Works, ducting work etc. Documentary evidence for each similar work should contain performance certificate from client clearly indicating full details of nature of work, work order no. & date, client address, value of work as per work order and as per actual completion, period of completion as per work order and as per actual.

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The Director, IPR reserves the right of selection or rejection of any or all tenderers without assigning reason thereof.

B. DESCRIPTION OF PROPOSED PROJECT:

Salient Features of the Project:

General Information:

The building is multi-storeyed block for Industrial Research. It is designed as an RCC frame structure with R.C.C. Columns and beams spanning about 18 mts. All floors will have gantry cranes designed to lift loads up to 25 tons. The clear floor heights are non-conventional and vary from 4.5 mts to 14 mts. All walls are primarily R.C.C. with masonry walls in toilets and other utility area. The Central service bay houses a R.C.C. staircase, 2 passengers cum goods elevators, toilets, pantry and other utilities. The central service bay has a basement to route incoming / outgoing utilities. The height of the building is about 30mts but the number of floors varies from 2 to 4 only. The building is located in an empty plot with existing buildings of 10mts – 14mts height on 3 sides. A helium pipe rack runs along one edge of the plot. Safeguarding the existing buildings and the helium pipe rack from any damage, dusting, construction debris etc whatsoever is absolutely critical to the execution of the works. The pipe rack is in working condition and cannot be touched / re-routed / shifted / shut down for damages by proposed construction activity under any circumstances.

Basic Finishes:

Flooring	:	Vitrified Tile, Polished Kota Stone and Jesalmer stone.
Internal Wall Surfaces	:	Plastered and painted (Good quality Paint).
External Wall surfaces	:	Sand Faced Plaster, Textured & Painted.
Ceilings	:	Plastered & Painted
Doors/Windows	:	Aluminium, Flush Shutters, MS Sec., combination of wood & metal.
External areas	:	Rough Kotah stone, Paver blocks, RCC.
Internal roads	:	R.C.C. / WMM
Water supply	:	G.I & HDPE pipe with Conventional / Booster System.
Electrical works	:	Concealed in RCC and Masonry work.

HVAC Work:

The proposed HVAC Work shall include design, supply, installation, testing & commissioning of the HVAC system for the ITER INDIA Laboratory building. HVAC Equipments (Chillers, AHUs, Ventilation Units, Electrical Panels & BMS) will be placed at terrace level and will require to be got lifted through mechanical means from the external side of building ensuring all the safety measures to protect Helium pipe rack and adjoining building & services.

System Description:

Type of Plant	:	Central Chilled Water Air Conditioning Plant
Main Components	:	1. 2W + 1S 225 TR Air Cooled Water Chillers
		2. 11 Nos. AHUs
		3. Ventilation Units
		4. Ducting, Duct Insulation etc.,
		5. Piping, Pipe Insulation etc.,
		6. Electrical Work pertaining to HVAC System
		7. Control System (BMS)

C. QUALITY REQUIRED IN EXECUTION AGENCY FOR THE PROJECT:

Technical Capacity –

Due to non-conventional volume of space in the building, firm should be having sound technical manpower to execute the proposed HVAC work. Working at non-conventional heights, installation of HVAC equipments at terrace level and fully fledged functioning of surrounding buildings will require technical expertise.

Project Planning Capacity –

The kind of project and completion within the stipulated time frame is of utmost importance. The Project will require detailed macro as well as micro level planning both – prior to and during execution of works. Coordination, Planning and taking out the work from respective agencies will be required.

Capacity to deliver High Quality work within stipulated Time -

The Project will require work of very high Quality and Finish, to be completed within stipulated time limits. High Quality, Timely Completion and adherence to Cost shall be the essence of the Contract.

D. IMPORTANT INFORMATION FOR BIDDERS:

1. In deciding upon the selection of contractors for the work, great emphasis will be put on the quality of equipment, ability and competency of contractors to do good quality work according to the time schedule in close co-ordination with other agencies, and local design, execution & service infrastructure.
2. The Firms not meeting / fulfilling eligibility criteria as mentioned in the tender notice will not be considered for evaluation and will be disqualified.
3. The onus of providing all necessary Firm / Project related information, in Prescribed Formats in Soft as well as Hard Copy, so as to demonstrate Earnestness and Competency of the Applicant and to allow proper evaluation, will rest entirely on the Applicant.
4. If the Pre Qualification Document is issued in Firm's name, a `Power of Attorney', in favour of authorised signatory of the PQ document, must be attached.
5. All Information furnished in the PQ Document will be kept confidential.
6. All information has to be typed or hand written legibly in the Prescribed Forms. All pages of the PQ Document have to be initialled by the Applicant. All corrections, erasures or overwriting, therein, have to be initialled by the Applicant.
7. All information has to be submitted in Prescribed Formats only. Any incomplete information provided will not be considered for evaluation. The final bound document has to be submitted in vertical A4 size (210 mm X 297 mm).
8. Scope of Work, Project description and Architectural finishes mentioned in the Project brief are indicative and are likely to change during detail design.
9. IPR's decision for selection or rejection of the Applicants shall be final and binding to all without assigning reason there of.
10. If Applicant is in the approved list of state PWD, CPWD, Railways or MES, evidence showing the appropriate and eligible class to which they belong should be attached with PQ document.
11. If **Institute for Plasma Research** is convinced that an Applicant has resorted to material misrepresentation or provided fraudulent information / statement, the said Applicant will be liable for disqualification / rejection at any stage.
12. Proof for fulfilment of eligibility criteria mentioned in the Pre-qualification Notice should be submitted along with Pre-qualification document. The Pre-qualification document submitted without valid documents and without proof of eligibility criteria, will be rejected.
13. The bidding capacity of the contractor should be equal to or more than the cost of the work. The bidding capacity shall be worked out using the formula: -
Bidding capacity = $[A * N * 2] - B$ = _____ (to be filled by Applicant)
A - Maximum value of HVAC works executed in any one year during the last 5 years.
N - Number of years prescribed for completion of work for which PQ has been invited.
B - Value of existing commitments and on going HVAC works to be completed during the period of completion of work for which PQ has been invited.
14. The IPR may send technical evaluation committee to visit project sites of qualified contractors to access level of *Quality and Finish* of executed works as well as to review ability to Plan, Mobilise and Deploy resources if they are **not well known and established company** in the HVAC business. The decision of IPR about their suitability for the proposed work shall be final and will be binding on the contractors.

15. After the evaluation of prequalification is completed, IPR shall notify only those bidders / firms whose proposals have been accepted and qualified for the proposed work, indicating the date and time set for collection of the tender document. The notification may be sent by registered letter, cable, telex, facsimile or electronic mail.
16. The final tenders submitted shall be in two parts First Envelope (Containing Part-I, Technical Bid) and Second Envelope (Containing Part-II, Price Bid). Technical Bid will be opened first, in the presence of the bidders representatives who choose to attend. Price Bid will be opened only after evaluation of technical bids, in the presence of the bidders representatives who choose to attend.
17. The applicant should have sufficient number of technical and administrative employees for the proper execution of this project. The applicant should submit an organisation chart and CVs of employees who will occupy the key position in the overall organisation structure for this project.
18. Contractors are requested to submit details about their organisation, range of equipment manufactured, technical experience, capability and competency and suitable evidence of financial standing as per enclosed format. Contractors will be liable for rejection due to any false or incomplete information furnished in the format.

E. IMPORTANT INFORMATION TO BE PROVIDED BY APPLICANT:

All Applicants are required to provide detail information as per requirements laid out in the following sections:

- E – 1. Declaration / Undertaking**
- E – 2. Company / Firm related information**
- E – 3. Information about Technical Staff**
- E – 4. Information about Construction Equipment**
- E – 5. Information about Projects executed by Applicant**
- E – 6. Bidding Capacity Calculation**

E – 1 DECLARATION / UNDERTAKING:

DECLARATION / UNDERTAKING

1. I/We agree that the decision of Institute of Plasma Research, Bhat - Gandhinagar in Selection of Applicants / Contractor, phasing of works and in any other Project related matter, will be final and binding to me/us.
2. All the information and data furnished herewith are correct to my/our best of knowledge.
3. I/We agree that we have no objection if inquiries are made about our works, its related areas and any other inquiry regarding all details, projects and works listed by us in the Pre-qualification document.

Date:

Signature with Seal of the company

E – 2 COMPANY / FIRM RELATED INFORMATION:

1.0 Company / Firm related information as prescribed in following format. (Fill in the format – E - 2 – in soft copy provided along with bid document)

a)	Name of the organization:	
b)	Address of the organization:	
	Phone nos.:	
	Fax no. :	
	E-mail:	
c)	Name & Particulars of the Authorized Representative for the details furnished hereinafter:	
d)	Type of the Organization including particulars of Proprietor / Partners / Directors: (Sole Proprietorship, Partnership, Private Ltd., Co-operative Body etc.) (Attested copy of Deeds or Memorandum of Association to be enclosed)	
	1)	
	2)	
	3)	
	4)	
e)	1) Employees Insurance Schemes Registration Certificates: 2) P.F. Registration Certificates.	
f)	Name of bankers and full address:	1.
		2.
		3.
		4.

g)	Financial Resources of Company: (Rest. in Lakhs)	
	1) Bank Facilities Available (Please attach copies wherever applicable)	
	Overdraft :	
	Guarantees :	
	Letters of Credit :	
	Others :	
	2) Current Liabilities	
	Bank Cash Credit	
	Other Sundry Credit	
	3) Fixed Assets	
	Gross Assets	
	Net Assets	
h)	Address if the organization (Location from which the Project will be handled):	
	Phone nos.:	
	Fax no.:	
	E-mail:	
i)	Registration No & Date:	
j)	Locations of offices & manufacturing units & Service Stations:	
k)	Range & type of HVAC equipment manufactured, and installed production capacity:	
l)	Previous Experience: (Attach Annexure)	
m)	Income-tax clearance Certificate for the organization:	
n)	Sales – Tax Clearance Certificate:	

Sr. No.	Eligibility Criteria Specified in the Notice	
A.	Should have valid minimum bank Solvency of Rs. 176 Lakhs	
1	Name of Bank	
2	Branch	
3	Amount of solvency	
4	Date of Issue	
B.	Should be in HVAC Business for a minimum period of five years as on 31.03.09	
1	Date of Establishment of the firm	
2	Have the name of firm changed since est.	
C.	Should have annual financial turnover (gross) in HVAC works computed as average of the last three years i.e 06-07, 07-08, 08-09 duly audited by Chartered Accountant should be over Rs. 10 Crores each year.	(Rs. In Crores)
	2006 – 2007	
	2007 – 2008	
	2008 – 2009	
	Average Annual Turnover	
D.	Should have been a profit making organization for the last 3 financial years i.e. 06-07, 07-08, 08-09	(Rs. In Crores)
	2006 – 2007 (Mention with Profit or loss)	
	2007 – 2008 (Mention with Profit or loss)	
	2008 – 2009 (Mention with Profit or loss)	
E.	Should have satisfactorily completed works of similar nature and magnitude within the last five years. Atleast one project of minimum value of Rs.3.52 Crores. OR Atleast two projects of minimum value of Rs.2.64 Crores. OR Atleast three projects of minimum value of Rs.1.76 Crores. Details to be filled in the prescribed format “Schedule F – D1”. (Separate sheet for each project to be filled.)	
F.	The bidder should have satisfactorily completed works of chilled water central air conditioning plant with Chillers, AHUs, ducting, etc. with order for all these equipment & items as part of the order.	
G.	In deciding upon the selection of contractors for the work, great emphasis will be put on the quality of equipment, ability and competency of contractors to do good quality work according to the time schedule in close co-ordination with other agencies, and local design, execution &	

	service infrastructure.
H.	For the purpose “Cost of Work” shall mean gross value of the completed works including the cost of materials supplied by the contractor / client, but excluding those supplied free of cost. For the purpose of clause “Similar Works” means HVAC Works comprising of supply, installation, testing and commissioning of Allied Chillers, AHUs, Pumps, Piping Works, ducting work etc. Documentary evidence for each similar work should contain performance certificate from client clearly indicating full details of nature of work, work order no. & date, client address, value of work as per work order and as per actual completion, period of completion as per work order and as per actual.

E – 3 INFORMATION ABOUT TECHNICAL STAFF:

- 1.0** **Schedule “F (A)”**, identifying the roles and responsibilities of the key personnel envisaged / proposed during the execution of the project.

- 2.0** Technical qualifications and experience of key personnel, except proprietor or partners, proposed to be deputed on the project with technical qualifications and experience of proprietor or partners separately as prescribed in **Schedule “F (B)”** attached.

E – 4 INFORMATION ABOUT EQUIPMENTS:

- 1.0** Details of workshop, machines tools and plant held by the Applicant, as prescribed in **Schedule “F (C)”**. Precise number / quantum of equipment, has to be mentioned. The list of tools & machinery available for deployment on the project to be also enclosed.

E – 5 INFORMATION ABOUT PROJECTS EXECUTED BY APPLICANT:

- 1.0 Detail information of either of projects as below, satisfactorily completed within last five years (including financial year 08-09). Details to be filled in the prescribed format below and started with the higher most. (Fill in the format – D1.1 to D1.3 - in soft copy provided along with bid document).
- One project of minimum value of Rs. 3.52 Crores
OR
Two projects of minimum value of Rs. 2.64 Crores
OR
Three projects of minimum value of Rs. 1.76 Crores
- 2.0 List of HVAC Works of minimum contract value of Rs. 1.50 Crores, executed with good quality and workmanship, in the past five years, in the prescribed in Schedule “F (D-2)” below and started with the higher most value of work. (Fill in the format – Schedule D-2 - in soft copy provided along with bid document).
- 3.0 Detail information of all HVAC Works specified in Schedule “F (D-2)” in the prescribed format Schedule F”(D-3)” below. (Fill in the format – Schedule D-3.1 to D-4.2 in soft copy provided along with bid document).
- 4.0 Detailed information of two projects of HVAC Work, of total 300 TR and above executed with good quality and workmanship, in the past five years, in the prescribed in Schedule “F (D-4.1 & 4.2)”. (Fill in the format – Schedule D-4 - in soft copy provided along with bid document)
- 5.0 SCHEDULE `D-5` – Detailed information of all ongoing projects. (to be filled with higher most value of work first and then in descending order.

E – 6 BIDDING CAPACITY:

The bidding capacity shall be worked out using the formula: -

Bidding capacity = $[A * N * 2] - B$ = _____ (to be filled by Applicant)

A - Maximum value of HVAC works executed in any one year during the last 5 years.

N - Number of years prescribed for completion of work for which PQ has been invited.

B - Value of existing commitments and on going works to be completed during the period of completion of work for which PQ has been invited.

F. PRESCRIBED FORMATS:

SCHEDULE `A` – Proposed Roles and Responsibilities of key Personnel Proposed to be deputed on the Project.

Sr. No.	Name	Proposed Designation	Roles & Responsibility (in maximum 100 words)
01			
02			
03			
04			
05			
06			
07			
08			

Note: Contractor must have to appoint and maintain a team consisting persons as specified below:

Sr. No.	Designation	Qualification
1	System Design Engineers	: 2 Nos. – With minimum qualification of B. E. – Mechanical / Electrical and having more than 5 years of experience in HVAC field.
2	Drafts persons	: 2 Nos. – With minimum qualification of I.T.I or Diploma in Mechanical Engineering and having more than 5 years of experience.
3	Site In Charge	: 1 No. – With minimum qualification of Diploma – Mechanical and having more than 5 years of experience in HVAC field.
4	Site Supervisor	: 1 No. – With minimum qualification of Diploma (Mechanical / Electrical) with minimum 3 years experience in HVAC field or ITI with more than 10 years of experience in HVAC field.

F**... CTD.**

SCHEDULE `B' – Technical Qualifications & Experience of Key Personnel Proposed to be deputed on the Project as specified in Schedule “F-A”. (Fill in the format - Curriculum Vitae 1 to 8 sheets - in soft copy provided along with bid document)

	Name	:	
01.	Date of Birth	:	
02.	Nationality	:	
03.	Education	:	
04.	Other trainings (if any)	:	
05.	Languages Proficiency (tick the suitable)		
	English	:	
	Gujarati	:	
	Hindi	:	
	Other – (Please specify)	:	
06.	Membership of Professional Society	:	
07.	Countries of Work Experience	:	
08.	Employment Record (Starting from current one to previous two, in descending order, only)		
a.	Period of Employment	:	Since - <month> ‘<year>
	Employer	:	
	Position held	:	
	Description of duties	:	
b.	Period of Employment	:	<month> ‘<year> to <month> ‘<year>
	Employer	:	
	Position held	:	
	Description of duties	:	
c.	Period of Employment	:	<month> ‘<year> to <month> ‘<year>
	Employer	:	
	Position held	:	
	Description of duties	:	
08.	Illustrative Work Experience (for last three projects)		

a.	Position held	
	Project name & location	
	Client	
	Period	<month> ' <year> to <month> ' <year>
	Scope (in maximum 20 words)	
	Role (in maximum 50 words)	
b.	Position held	
	Project name & location	
	Client	
	Period	<month> ' <year> to <month> ' <year>
	Scope (in maximum 20 words)	
	Role (in maximum 50 words)	
c.	Position held	
	Project name & location	
	Client	
	Period	<month> ' <year> to <month> ' <year>
	Scope (in maximum 20 words)	
	Role (in maximum 50 words)	

F**... CTD.****SCCHEDULE `C` – List of Machinery and Equipments. (Fill in the format – “Schedule C”
- in soft copy provided along with bid document)**

Nos.	Name	No of Units	Type & Make	Capacity	Owned / Leased	Availability to deploy for this work.
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						

(Note: if required, health certificate of all the above equipments shall be submitted separately on asking for by Client or Consultant)

F**... CTD.**

SCHEDULE `D-1` - Detail information of either of projects as below, satisfactorily completed within last five years (including financial year 08-09). Details to be filled in the prescribed format below and started with the higher most. (Fill in the format – D1.1 to D1.3 - in soft copy provided along with bid document)

Note: Only projects involving BIS / ASHRAE / ASME / ARI / EU standard equipment shall be considered. Equipment as per other standards shall not be considered.

Sr. No.	Description	Details
01	Project Name & Location	
02	Client Name	
	Address	
	Name & Contact no. of officer to whom reference can be made	
03.	Consultant Details (Name & Contact No.)	
a	Architect	
b	HVAC	
04.	Project Description	
a.	Type of Project (Nature of Work – Commercial / Institutional / Industrial etc.)	
b.	Scope of work	
c.	Type of System installed	
d.	Total Installed Tonnage	
e.	Type of Ducting	
f.	Total Installed Ducting area in sqmt	
g.	Class of AC	
h.	Any other specialized work (eg. Jet Nozzles etc.)	
05	Tendered Project Cost	
06	Actual Project cost	
07	Start Date (dd/mm/yy)	
08	Completion Date (dd/mm/yy)	
09	Project Duration (as per contract) – in months	
10	Actual duration – in month	
11	Reasons for delay (if any)	
12	Any Claim / Disputes (with details of claim and award if any)	
13	To be attached separately	
a	Project Completion Certificate	
b	Project Schedule (attested by Client / PMC)	

Note:

Original or attested copies of initial work order and final completion certificate from client have to be attached. The certificate shall mention Name of work, Work order value, Completion value, duration Client name & Address, Location of work, Stipulated start and completion date, Actual Start and Completion date, Reasons for Delay (if any), Nature of Work etc..

F.

... CTD.

SCHEDULE `D-2` – List of HVAC Works of minimum contract value of Rs. 1.50 Crores, executed with good quality and workmanship, in the past five years, in the prescribed in Schedule “F (D-2)” below and started with the higher most value of work. (Fill in the format – Schedule D-2 - in soft copy provided along with bid document).

Sr. No.	Project Name	HVAC Cost	Start Date.	Tonnage	Ducting in Smt	Type of System Inst.	Type of Ducting Inst.
	Total						

SCHEDULE `D-3` – Detail information of all HVAC Works specified in Schedule “F (D-2)” in the prescribed format Schedule F”(D-3)” below. (Fill in the format – Schedule D-3 in soft copy provided along with bid document).

Sr. No.	Description	Details
01	Project Name & Location	
02	Client Name	
	Address	
	Name & Contact no. of officer to whom reference can be made	
03.	Consultant Details (Name & Contact No.)	
a	Architect	
b	HVAC	
04.	Project Description	
a .	Type of Project (Nature of Work – Commercial / Institutional / Industrial etc.)	
b.	Scope of work	
c.	Type of System installed	
d.	Total Installed Tonnage	
e.	Type of Ducting	
f.	Total Installed Ducting area in sqmt	
g.	Class of AC	
h.	Any other specialized work (eg. Jet Nozzles etc.)	
05	Tendered Project Cost	
06	Actual Project cost	
07	Start Date (dd/mm/yy)	
08	Completion Date (dd/mm/yy)	
09	Project Duration (as per contract) – in months	
10	Actual duration – in month	
11	Reasons for delay (if any)	
12	Any Claim / Disputes (with details of claim and award if any)	
13	To be attached separately	
a	Project Completion Certificate	
b	Project Schedule (attested by Client / PMC)	

Note:

Original or attested copies of initial work order and final completion certificate from client have to be attached. The certificate shall mention Name of work, Work order value, Completion value, duration Client name & Address, Location of work, Stipulated start and completion date, Actual Start and Completion date, Reasons for Delay (if any), Nature of Work etc..

SCHEDULE `D-4` – Detailed information of two projects of HVAC Work, of total 300 TR and above executed with good quality and workmanship, in the past five years, in the prescribed in **Schedule “F (D-4.1 & 4.2)”**. (Fill in the format – **Schedule D-4 - in soft copy provided along with bid document**)

Sr. No.	Description	Details
01	Project Name & Location	
02	Client Name	
	Address	
	Name & Contact no. of officer to whom reference can be made	
03.	Consultant Details (Name & Contact No.)	
a	Architect	
b	HVAC	
04.	Project Description	
a .	Type of Project (Nature of Work – Commercial / Institutional / Industrial etc.)	
b.	Scope of work	
c.	Type of System installed	
d.	Total Installed Tonnage	
e.	Type of Ducting	
f.	Total Installed Ducting area in sqmt	
g.	Class of AC	
h.	Any other specialized work (eg. Jet Nozzles etc.)	
05	Tendered Project Cost	
06	Actual Project cost	
07	Start Date (dd/mm/yy)	
08	Completion Date (dd/mm/yy)	
09	Project Duration (as per contract) – in months	
10	Actual duration – in month	
11	Reasons for delay (if any)	
12	Any Claim / Disputes (with details of claim and award if any)	
13	To be attached separately	
a	Project Completion Certificate	
b	Project Schedule (attested by Client / PMC)	

Note:

Original or attested copies of initial work order and final completion certificate from client have to be attached. The certificate shall mention Name of work, Work order value, Completion value, duration Client name & Address, Location of work, Stipulated start and completion date, Actual Start and Completion date, Reasons for Delay (if any), Nature of Work etc..

G.**Check List for PQ Bid Submission**

Bidder is requested to fill this Check List and ensure that all details / documents as mentioned in the Prequalification Booklet are submitted along with their PQ bid. Please tick the box and ensure compliance and specify the Page no. of PA Bid submitted.

1	Letter of Application submitted	Page No.	
2	Fresh Solvency Certificate Issued by the banker submitted.	Page No.	
3	Experience Certificate	Page No.	
4	Average turnover certificate	Page No.	
5	Audited / Unaudited balance sheet including Profit & Loss account for the last three years submitted	Page No.	
6	Bidding Capacity Statement	Page No.	
7	Power of Attorney in favour of signatory of PQ bid submitted	Page No.	
8	Declaration & understanding system	Page No.	
9	Company firm related information	Page No.	
10	Deeds of Memorandum of association submitted	Page No.	
11	Employees insurance scheme registration certificate submitted	Page No.	
12	PF registration certificate submitted	Page No.	
13	Proofs of Financial resources of the company submitted	Page No.	
14	Information about technical staff as per Schedule F (A) & F (B) submitted	Page No.	
15	Information about construction equipment as per Schedule F (C) submitted	Page No.	
16	Specific name of projects & Cost for which Experience details as per Schedule F (D-1) has been submitted	Page No.	
17	Particulars as specified in Schedule F (D-1) along with copy of work order / award of work, copy of Proof of completion, Photographs submitted.	Page No.	
18	Summary of projects as specified in Schedule F (D-2).	Page No.	
19	Particulars as specified in Schedule F (D-3) along with copy of work order / award of work, copy of Proof of completion, Photographs submitted.	Page No.	
20	Particulars as specified in Schedule F (D-4) along with copy of work order / award of work, copy of Proof of completion, Photographs submitted.	Page No.	
21	Summary of all ongoing projects as specified in Schedule F (D-5).	Page No.	
22	Quality Control Measures adopted by the contractor.	Page No.	

23	One copy of PQ Booklet duly signed and stamped on each page submitted	Page No.	
24	Any other documents submitted (Please specify)	Page No.	
		Page No.	
		Page No.	