Government of India Department of Atomic Energy Bhabha Atomic Research Centre

Notice Inviting Pre-Qualification Bid (PQB) for Establishment of Thermal Hydraulics Test Facility – TRENDS at BARC Visakhapatnam through Engineering, Procurement and Construction (EPC) Mode

Bhabha Atomic Research Centre
Visakhapatnam

GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY BHABHA ATOMIC RESEARCH CENTRE

PQB TENDER FOR ESTABLISHMENT OF THERMAL HYDRAULICS TEST FACILITY – TRENDS AT BARC VISAKHAPATNAM THROUGH EPC MODE

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GOVERNMENT OF INDIA DEPARTMENT OF ATOMIC ENERGY BHABHA ATOMIC RESEARCH CENTRE PQB TENDER FOR ESTABLISHMENT OF THERMAL HYDRAULICS TEST FACILITY – TRENDS AT BARC VISAKHAPATNAM THROUGH EPC MODE Page3 of 70

1.0 NOTICE INVITING PRE-QUALIFICATION BID

Ref: BARC(V)/RPG/TRENDS/530 Date:12th, September 2024

<u>Subject: Pre-Qualification Bid (PQB) for Establishment of Thermal Hydraulics Test Facility –</u> TRENDS at BARC Visakhapatnam through Engineering, Procurement and Construction (EPC) mode

- Online Pre-Qualification Bids (PQB) from reputed Firms is hereby invited through e-Tendering mode on behalf of the President of India by Chief Engineer, Bhabha Atomic Research Centre, Visakhapatnam for short listing of firms for participation in EPC tender for Establishment of Thermal Hydraulics Test Facility – TRENDS (Firms can also be referred as applicants/bidders.)
 - 1.1. The bidding process is devised in two (2) stages. In the first stage i.e., PQB stage, bidders will be pre-qualified based on Pre-Qualification Criteria (PQC) given in this tender. The second stage (which will be carried out later through Limited tender mode) will be applicable only for the pre-qualified bidders who will be provided with technical inputs for submitting their technical and price bids.
 - 1.2. The Brief Scope of Work includes "Design, Fabrication, Supply, Erection / Installation, Testing & Commissioning of a 30MW Thermal Hydraulic Test Facility, allied Electrical and Control & Instrumentation works along with the auxiliary/support systems including Thermic Fluid Heating System, LDO tank farm, RCC Cooling Towers, Filling & Make-up water system".

Bids are invited from eligible firms having adequate experience and capabilities in executing similar works of such magnitude as detailed in this tender.

1.3. Salient details of Notice Inviting Tender (NIT) are as follows

(a)	Name of Tender	Pre-Qualification Bid for Establishment of Thermal Hydraulics Test Facility – TRENDS at BARC Visakhapatnam through Engineering, Procurement and Construction (EPC) mode
(b)	Estimated Cost	Rs. 163 Crore (Rupees One Hundred Sixty Three
	(Inclusive of 18% GST)	Crores only)
(c)	Earnest Money	Rs. 1.73 Crore (Rupees One Crore Seventy
		Three lakhs only)
		Note: Earnest Money Deposit (EMD) in the form of Account Payee Demand Draft/ Deposit at Call receipt/Fixed deposit receipt on any Scheduled/nationalized bank guaranteed by Reserve Bank of India payable at Visakhapatnam in favor of Pay & Accounts Officer, BARC, Visakhapatnam shall be submitted in sealed cover. A part of EMD is acceptable in the form of Bank Guarantee (BG) (including e-BG) also. In such case minimum 50% of the EMD or Rs. 20 Lakhs whichever is less shall be in

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		the form prescribed above and balance can be accepted in the form of BG (including e-BG) issued by	
		a scheduled Bank as per enclosed format (Appendix	
		 A). The BG submitted as a part of EMD shall be valid for a period of 45 days after the end of validity 	
		period of the Bid, reckoning from the deadline for	
		submission of Bids which is stated in the tender	
		document.	
		EMD of non-qualified bidders in Stage-1 shall be	
		returned in 180 days. However, the bidders who qualify in Stage-1 i.e., Pre-Qualification, need not	
		submit EMD in Stage-2 of the tender. In case pre-	
		qualified bidder fails to bid in Stage-2, 50% of the	
		EMD amount i.e., Rupees Eighty Six lakhs Fifty thousand only (Rs. 86,50,000/-) shall be forfeited.	
		EMD is not exempted to any organizations, hence EMD submission is mandatory. Tenders received	
		without EMD will be summarily rejected.	
		Defendance din Afendance of Deals Consumber	
		Refer Appendix – A for format of Bank Guarantee	
(d)	Last date for submission of	On or before 21/10/2024 (17:00 Hrs.) addressed to	
	original documents of EMD	Head TQS, Room No. 103,	
		UC1 Annex Building, BARC Bhabha Atomic Research Centre (BARC),	
		Gajuwaka-Yelamanchali Highway,	
		Near Nagavaram Junction,	
		Maduthuru Sub Post Office, Visakhapatnam – 531 011	
		Ph: 0891-283 1146 / 0891-283 1150	
		May be submitted through Post/ Courier or may also	
		be dropped in drop box kept at North Gate, BARC	
		Main campus site, Visakhapatnam.	
(e)	Cost of PQB Tender Document	NIL	
(f) (g)	Tender Processing Fee Period of Completion	NIL 27 months including monsoon period	
(b)	Date for Downloading of PQB	From 13/09/2024 (13:00 hrs) to	
(,	tender document	14/10/2024(15:00hrs)	
		To download – please visit CPPP website on	
		https://eprocure.gov.in/eprocure/app	
		Detailed NIT is also available on website	
		www.barc.gov.in for view only.	
(i)	Date of Pre-bid clarification on	The bidders are requested to upload their Pre-bid	
	queries raised by bidders	queries not later than 22/09/2024 (15:00Hrs.) in CPP	
		portal. A Pre-bid meeting will be held on 23/09/2024	

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	(11:00 Hrs.) at the following address:	
		Head TQS, Room No. 103,
		UC1 Annex Building, BARC
		Bhabha Atomic Research Centre (BARC),
		Gajuwaka-Yelamanchali Highway,
		Near Nagavaram Junction,
		Maduthuru Sub Post Office,
		Visakhapatnam – 531 011
		Ph: 0891-283 1146 / 0891-283 1150
		The Pre-Bid meeting clarifications will be uploaded in
		CPPP website by 26/09/2024
(j)	Last date and time of closing of	14/10/2024 (16:00 Hrs.)
3,	online submission of tenders	, , ,
(k)	Date and time of online	22/10/2024 (15:00 Hrs.)
` ,	opening of PQB tender	, , ,
(1)	Type of PQB tender	Public (Open Tender Enquiry)
(m)	Objective of PQB tender	To shortlist eligible applicants for issue of
` ′	,	subsequent EPC tender.
(n)	Number of Sets of Pre-	One (1) set of original documents as listed in
` '	qualification document to be	"Checklist for document submission*". The envelope
	submitted apart from uploading	containing the EMD & other documents should be
	in CPPP portal	sealed and super scribed with name of work, tender
in CPPP portal		,,,,,,,
		no., due date for submission and opening, etc. as
		no., due date for submission and opening, etc. as per Notice Inviting Tender.
		per Notice Inviting Tender.
		per Notice Inviting Tender. *May be submitted through Post/ Courier or may
		per Notice Inviting Tender. *May be submitted through Post/ Courier or may also be dropped in drop box kept at North Gate,
(0)	Address for Submission of	per Notice Inviting Tender. *May be submitted through Post/ Courier or may also be dropped in drop box kept at North Gate, BARC Main campus site, Visakhapatnam.
(o)	71.00.000 101 00.001	per Notice Inviting Tender. *May be submitted through Post/ Courier or may also be dropped in drop box kept at North Gate, BARC Main campus site, Visakhapatnam. Head TQS, Room No. 103,
(o)	Address for Submission of Sealed Envelope	per Notice Inviting Tender. *May be submitted through Post/ Courier or may also be dropped in drop box kept at North Gate, BARC Main campus site, Visakhapatnam. Head TQS, Room No. 103, UC1 Annex Building, BARC
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(p)	Validity period of shortlist for subsequent PQB tender	per Notice Inviting Tender. *May be submitted through Post/ Courier or may also be dropped in drop box kept at North Gate, BARC Main campus site, Visakhapatnam. Head TQS, Room No. 103, UC1 Annex Building, BARC Bhabha Atomic Research Centre (BARC), Gajuwaka-Yelamanchali Highway, Near Nagavaram Junction, Maduthuru Sub Post Office, Visakhapatnam – 531 011 Ph: 0891-283 1146 / 0891-283 1150 May be submitted through Post/ Courier or May also be dropped in drop box kept at North Gate, BARC Main campus site, Visakhapatnam. The shortlisted bidders will be valid for 06 (Six) months from the date of opening of PQB tender, extendable to another 06 (Six) months at the discretion of Chief Engineer, BARC, Visakhapatnam.
	Validity period of shortlist for subsequent PQB tender Contact Person / Contact	per Notice Inviting Tender. *May be submitted through Post/ Courier or may also be dropped in drop box kept at North Gate, BARC Main campus site, Visakhapatnam. Head TQS, Room No. 103, UC1 Annex Building, BARC Bhabha Atomic Research Centre (BARC), Gajuwaka-Yelamanchali Highway, Near Nagavaram Junction, Maduthuru Sub Post Office, Visakhapatnam – 531 011 Ph: 0891-283 1146 / 0891-283 1150 May be submitted through Post/ Courier or May also be dropped in drop box kept at North Gate, BARC Main campus site, Visakhapatnam. The shortlisted bidders will be valid for 06 (Six) months from the date of opening of PQB tender, extendable to another 06 (Six) months at the discretion of Chief Engineer, BARC, Visakhapatnam. Head TQS,
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Advanced Light Water Reactor Division, Bhabha Atomic Research Centre, Visakhapatnam Phone: 0891-283 5083/ 0891-283 5104
Email: gnsk@barc.gov.in

2. CONTRACT SCOPE AND METHODOLOGY OF EXECUTION

- 2.1. The Purchaser intends to erect a test-facility at their Visakhapatnam site in Andhra Pradesh, comprising of a high pressure and high temperature closed loop setup with the associated instrumentation and control/ electrical systems along with the auxiliary support utilities. Light Diesel Oil (LDO) fired Thermic Fluid (Hot Oil) Heater System will be used as energy source and induced draft type RCC Cooling Towers as heat sink. The facility will be located in an industrial type building complex provided by the Purchaser. The main process fluids are DM water, Thermic Fluid and Nitrogen gas. Main Materials of Construction are stainless and carbon steels. The facility will have a centralized control room, computerized data acquisition/ storage system and an Operation Gallery. The facility does not handle any kind of radioactive material.
- 2.2. Design of the facility has been completed and the major long-lead time equipment are available. Scope of the present contract is to complete the remaining activities namely detailed engineering, procurement of BoP items (which include piping, control/safety valves, a few manual valves, structural steel, instrumentation along with PLC system, storage tanks, electrical system components etc., apart from air compressor and multistage centrifugal pumps), erection/installation (of plant equipment, piping, instrumentation/ electrical items etc., along with the structural platforms), commissioning, trial operation and handing over of the facility.
- 2.3. Pre-Qualification Bids (PQBs) will be invited vide public/open tenders; ONLY those bidders short-listed based on the following criteria will be provided with the EPC tender document thereby facilitating them to participate in further bidding process.
- 2.4. The pre-qualified contractors should have adequate expertise / experience in the following four (4) major disciplines
 - 2.4.1. **Discipline 1: Structural** (Design, procurement and erection/installation of Steel Structural Work and platforms)
 - 2.4.2. **Discipline 2: Mechanical** (Procurement and erection/installation of piping, pumps, compressors, valves, heat exchangers, pressure vessels etc.)
 - 2.4.3. **Discipline 3: Instrumentation** (Procurement and erection/installation of control & instrumentation system of a process/power plant including Programmable Logic Controller (PLC) system)
 - 2.4.4. **Discipline 4: Electrical** (Procurement and erection/installation of electrical system including UPS of a process/power plant)

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- 2.5. Apart from the above, the Contractor should be able to execute (either in-house or via sub-contracting mode), the detailed engineering work of the facility involving equipment/piping/cable/ducts layout, **piping flexibility analysis** and seismic qualification of high temperature Piping System, preparation of piping isometrics, generation of bill of materials etc.
- 2.6. The above requirements imply that the Contractor must have executed projects comprising of design, analysis, detail engineering, procurement, fabrication, erection/ construction and commissioning of process/power plants handling high enthalpy process fluids.
- 2.7. Alternatively, a Lead Joint Venture (JV) Partner who possesses core competence in at least 2 out of the 4 disciplines specified in Para 2.4 can execute the contract in JV with maximum 2 (two) nos. of JV Partner(s) who possess(es) complementary core competence in the other discipline(s) with the detailed engineering work carried out either in-house (if facilities are available) or involving a reputed Sub-contractor. In this case, the Lead JV Partner shall be responsible and directly accountable to the Purchaser for complete fulfilment of the contractual obligations including those of the Partner(s) and Sub-contractor(s). The PQB submitted by the JV Bidder shall contain the profiles of the JV Partner(s) and Sub-contractor(s) apart from his own. Also the firm agreement to the effect of working in JV between the Lead JV Partner and other JV Partner(s) during entire period of contract execution and defect liability period should be included in the PQB.

3. **GENERAL TERMS AND CONDITIONS**

- 3.1. PQB tender document consisting of information & instruction to PQB applicants, brief scope of EPC works, minimum eligibility criteria for pre-qualification and some of the major tender conditions of subsequent tender document, letter of PQB application transmittal, the set of forms to be uploaded with PQB application etc., can be viewed and downloaded from CPPP website on https://eprocure.gov.in/eprocure/appduring the stipulated dates indicated above. Please note that there will not be any selling / issue of hardcopy of PQB document. The PQB document can be obtained through E-Mode only.
- 3.2. In order to achieve its aims and objectives, Purchaser wishes to shortlist reputed EPC firms having relevant experience either as a Single Entity Bidder or JV Bidder as detailed in this tender. The shortlisted bidders based on Pre- Qualification Criteria (PQC) specified in this tender would be invited to participate in 2nd Stage of tender at appropriate time not later than the validity period wherein all the detailed technical specifications and scope of work to be carried out will be indicated in that tender.
- 3.3. A Bidder (a Single Entity Bidder or JV Bidder) may be a natural person, private entity, government-owned entity.
- 3.4. A Single Entity bidder should meet the required **Financial &Technical Capabilities** mentioned in the PQB. *In Case of JV Bidder, the Capabilities shall be met collectively and individually, as specified.*

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- 3.5. The JV agreement amongst two or max. three Partner(s) shall be authenticated by a certified Notary. Apart from this, Form-N as provided shall also be filled. The JV Partners shall nominate Nodal Officer (necessarily belonging to Lead JV Partner) who will have the authority to conduct all business for and on behalf of any and all the Partners of the JV during the bidding process and in the event the JV is awarded the contract and during the contract execution. The JV should note the following points:
 - 3.5.1. Lead JV Partner shall take full responsibility of successful completion / fulfillment of all the contract conditions. But all the Partner(s) shall be jointly and severally liable for all obligations of the bidder/contractor under this contract.
 - 3.5.2. PAN number, GST registration number of each Partner shall be submitted.
 - 3.5.3. The JV agreement should be in place before the bid is submitted and shall remain active till the completion of this contract and defect liability period. JV agreement should contain statement stating that "the JV Partners are jointly and severally liable for all the obligations of this contract".
- 3.6. A bidder as a Single Entity shall not have a **conflict of interest**. In case JV, none of the Partner(s) shall have a conflict of interest. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:
 - 3.6.1. A bidder participated as a consultant in the preparation of the design or technical specifications of the works that are the subject of the bid; or
 - 3.6.2. A bidder was affiliated with a firm or entity that has been hired (or is proposed to be hired) by the department for this contract as Engineer-In-charge.
 - 3.6.3. One firm applies for tender both as an individual firm and in a JV.
 - 3.6.4. If bidders in two different applications have controlling shareholders in common.
 - 3.6.5. Submit more than one application of the tender.
- 3.7. No foreign firm is allowed to participate in this PQB tender. Association of any foreign individual with this work will not be permitted in any manner.
 - 4. <u>ELIGIBILITY CRITERIA / PRE-QUALIFICATION CRITERIA (PQC) FOR SINGLE ENTITY FIRMS & JOINT VENTURE PARTNERS</u>

4.1. Financial Criteria

4.1.1. Bank Solvency

In case of Single Entity, bidder should possess Bank Solvency Certificate with value equal to or more than 40% of the estimated cost i.e., Rs. 65.2 Crore. Bank Solvency Certificate for minimum of Rs. 65.2 Crore and should not be older than one year from the date of opening of tender.

In case of Joint Venture,

 Combined Bank Solvency of the JV Bidders should be equal to or more than 40% of estimated cost i.e., Rs. 65.2 Crore

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 Solvency of Lead JV Partner should be equal to or more than 20% of estimated cost i.e. Rs. 32.6 Crore and solvency of each of the other individual Partner(s) should be equal to more than 10% of estimated value i.e., Rs. 16.3 Crore.

The applicant must fill up the details as per the prescribed format as given in Form-B.

4.1.2. Turnover

In case of Single Entity Bidder, average Annual Turnover during the last 3 (three) consecutive financial years ending 31st March 2024 shall be Equal to or more than 30% of estimated cost i.e. Rs. 48.9 Crore. This should be duly audited by a ICAI registered C.A.

In case of a JV Bidder,

- Combined average annual turnover during last 3 (three) consecutive financial years ending 31st March 2024 of the JV bidders should be Equal to or more than 30% of estimated cost i.e. Rs. 48.9 Crore.
- Average annual turnover of the Lead JV Partner should be equal to or more 15% of estimated cost i.e., Rs. 24.45 Crore and average annual turnover of each of the other individual Partner(s) should not be less than 7.5% of the estimated value i.e., Rs 12.225 Crore.

The applicant must fill up the details as per the prescribed format as given in Form-A.

4.1.3 Erosion in Net worth

Whether a single entity or a partner in a JV (applicable to every single partner of the JV), the net worth of the bidder should not be eroded by more than 30% during last three consecutive financial years ending 31st March 2024. This shall be indicated in the format provided as Form-B. Net worth should not be negative.

4.1.4 Available Bidding Capacity

The bidding capacity of the Bidder should be equal to or more than the estimated cost of the proposed work put to tender.

In case of Joint Venture, bidding capacity can be met collectively by the JV partners. The bidding capacity shall be worked out by the following formula

Bidding Capacity =
$$(A \times N \times 2) - B$$

Where,

A = Maximum value of all works executed in any one year during the last five years ending 31.03.2024, taking into account the completed as well as completed portion of "works in progress".

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N = Number of years prescribed (i.e., 2.25 years [27 months]) for completion of work for which pre-qualification application has been invited.

B = Value of existing commitments and ongoing works to be completed during the period of completion of work for which pre-qualification bids have been invited i.e., 2.25 years from last date of submission of PQB tender.

The value of work executed shall be brought to current level by enhancing the actual value of work at simple rate of seven (7%) percent per annum calculated from date of completion to due date of online submission of bids.

Notes:-

- i. Bidding capacity to be assessed as on last date of submission of tender.
- ii. The applicant shall fill up the details in prescribed form vide Form-J.
- iii. Work completion / Final Acceptance Certificate issued by the Client in favour of the bidder shall be provided as supporting documents to establish "maximum value of works executed in a year"

4.1.5 Similar Nature of Works

The bidder i.e., Single Entity or Joint Venture should have satisfactorily completed any one of the three "Similar Nature of Works**" categories of assignments as mentioned below:

(a) 3 (Three) similar completed works each of value equal to or more than 40% of estimated cost i.e., Rs. 65.2 Crore (inclusive of Taxes).

OR

(b) 2 (Two) similar completed works each of value equal to or more than 60% of estimated cost i.e., Rs. 98 Crore (inclusive of Taxes).

OF

(c) 1 (One) similar completed work of value equal to or more than 80% of estimated cost i.e., Rs. 130 Crore (inclusive of Taxes).

during the last 7 (Seven) years ending on the due date of online submission of bids.

The value of work executed shall be brought to current level by enhancing the actual value of work at simple rate of seven (7%) percent per annum calculated from date of completion to due date of online submission of bids.

**Similar Nature of Works

For Single Entity or JV (members of Joint Venture), "Similar Nature of Works" means having executed satisfactorily Similar Works in any 2 out of the 4 disciplines specified in Para 2.4 (for each of the selected 2 disciplines)

The applicant must fill up the details as per prescribed format given in Form C.

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*In case of JV for above categories of assignments 4.1.5(a), 4.1.5(b), 4.1.5(c), either one Partner can submit all Similar Works or one / more Similar Works carried out by individual Partner.

For example, JV of 3 (three) Partners as per above mentioned Clause no. 4.1.5(a)

JV	Typ. Case-1	Typ. Case-2	Typ. Case-3
Lead Partner	One similar work	Two Similar Works	Three Similar Works
Partner-1	One similar work	One similar work	NIL
Partner-2	One similar work	NIL	NIL

For example, JV of 3 (three) Partners as per above mentioned Clause no. 4.1.5(b)

JV	Typ. Case-1	Case-1 Typ. Case-2	
Lead Partner	One similar work	Two Similar Works	
Partner-1	One similar work	NIL	
Partner-2	NIL	NIL	

For example, JV of 3 (three) Partners as per above mentioned Clause no. 4.1.5(c)

JV	Typ. Case-1	
Lead Partner	One similar work	
Partner-1	NIL	
Partner-2	NIL	

Notes:

- i. Work completion / Final Acceptance Certificate issued by the Client in favor of the Bidder must be dated between 14/10/2024 and 14/10/2017
- ii. If the eligible similar works are not carried out in Central Government / State Government / Public Sector Undertaking of Central or State Governments / Central Autonomous bodies, then statement from income tax record should be produced by bidder, when requested by Purchaser's tender evaluating authority. The statement/ records produced should establish payment from the Client to the bidder against the work.

4.2 <u>Technical Criteria</u>

4.2.1 Technical Capabilities

The quantum of works successfully completed by the Single Entity Bidder or JV Bidder put together in maximum of 3 work orders during last 7 years ending on the due date of online submission of bids shall be as follows:

(a) Fabrication, Erection and Commissioning of a Process/Power Plant that includes - Stainless Steel and Carbon Steel Piping of at least 100mmNB and 150m length; Structural Steel Work for total mass of at least 150MT; Minimum 1 work involving structure of 8m height; Control &

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Instrumentation system shall have field elements; PLC based control system and associated electrical system with UPS. Total Value of the work orders shall be greater than or equal to Rs. 30 Crore (inclusive of Taxes).

AND

(b) Piping layout, Detail engineering, Piping Flexibility Analysis etc., of Stainless Steel and Carbon Steel Piping with Design Temperature ≥ 250°C with pipe diameter ≥100mm NB and length > 150m. Total Value of the work orders shall be greater than or equal to Rs. 1 Crore (inclusive of Taxes).

AND

(c) Design and supply of Thermic Fluid based heater system/ similar fired heater system. Total Value of the work orders shall be greater than or equal to Rs. 1.5 Crore (inclusive of Taxes).

Note: If the Single Entity Bidder or JV Bidder does not comply with technical capabilities mentioned in 4.2.1(b) and 4.2.1(c), suitable Sub-Contractor(s) meeting the criteria can be deployed. The technical capabilities of the sub-contractor shall be considered for qualification of technical capabilities. The value of work orders executed shall be brought to current level by enhancing the actual value of work at simple rate of seven (7%) percent per annum calculated from date of completion to due date of online submission of bids.

The applicant shall meet the technical capabilities specified in Para 4.2.1 as follows,

- I. Alone with Single Entity or Collectively with Single Entity & Sub-Contractors
- II. Collectively with JV Partners, or with JV Partners & sub-contractors

The list of proposed Sub-Contractor(s) is to be spelt out in the PQB, but the Sub-Contractor(s) need not be part of the JV. However, change of Sub-contractor(s) proposed in the PQB shall not be permitted during Contract Execution without the prior approval of Purchaser.

The applicant must fill up the corresponding details as per the prescribed format given in **Form-Q** and **Form-R**.

4.2.2 Performance Reports

The applicant i.e., Single Entity or JV shall submit the following performance reports as per the prescribed forms given

- (a) **Quality**: Bidders must qualify as "Good" by Client in at least four out of six areas listed in **Form E** (S.No. 10) based on the Work Orders (WO)/ Purchase Orders (PO) submitted in **Form-Q**.
- (b) Time Over Run (TOR): This will be calculated as follows:-

TOR = AT/ST Where, AT = Actual time

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ST = Stipulated Time In Agreement + Justified Period of extension of time

The marks will be calculated as per the table given below

Description	Score*			
If TOR =	1	2	3	>=3.5
Without levy of compensation	10	7	7	0
With levy of compensation	10	5	0	-2.5
Levy of Compensation not decided	10	5	0	0

*For in-between TOR values, marks will be based on Pro-rata basis.

For minimum eligibility, the bidder (Single entity/ each JV partner) must have average TOR score of 5 in qualifying works of each technical capability (works mentioned in Form-Q)

4.2.3 Exemptions not applicable

- a) MSE's/ Startup's or bidder of any other kind will not be considered, for any exemption for the eligibility criteria stipulated in the present tender.
- b) Purchase Preference for Micro & Small Enterprises (MSE's): Purchase Preference is not applicable for this tender as it is a works contract.

5 OTHER TERMS AND CONDITIONS FOR THE CONTRACT

- 5.2 Bidders may download the tender document from CPPP website on https://eprocure.gov.in/eprocure/app; The PQB document can be obtained through E-Mode only.
- 5.3 The applicant shall have a well-established Quality Management System in position. The applicant shall preferably have appropriate reputed quality accreditations.
- 5.4 The applicant shall have requisite qualified & trained personnel as detailed in PQB tender document. (Form-G and Form-L)
- 5.5 The applicant shall have adequate Technical capability as specified in PQB document.
- 5.6 The applicant should not be under liquidation, court receivership or similar proceedings.
- 5.7 All Financial documents should be duly audited and certified balance sheet as submitted to income tax department and certified by the Chartered Accountant. Year in which no turnover is shown would also be considered for working out the average. Independent Auditor's report along with full balance sheet of last five financial years inclusive of schedules & sub-schedules should be provided as supporting document.
- 5.8 The applicants shall ensure that:
 - 5.8.1 They have read and understood the complete PQB tender along with Pre-Qualification Criteria specified in Section-4 and Section-9 consisting of Forms-A to R (excludes Form-I and Form-O) & Undertaking A to C
 - 5.8.2 They are in agreement with the tender conditions given in this tender. After ensuring the above, if interested in participation in this tender, the applicant shall

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upload the **Letter of Transmittal** in the given format, all the forms included in this PQB tender with required documents for fulfilling the Pre-Qualification Criteria (PQC).

- 5.9 The bidders who qualify PQC as specified in **Section-4** will be short listed for subsequent participation in second stage of this tender which will include Technical specifications as inputs and other details for designing the systems by the successful bidder.
- 5.10 The bidders who qualify in Stage-1 i.e., Pre-Qualification, need not submit EMD in Stage- 2 of the tender. In case pre-qualified bidder fails to bid in Stage-2, 50% of the EMD amount i.e. Rupees Eighty Six lakhs Fifty thousand only (Rs. 86,50,000/-) shall be forfeited.
- 5.11 The PQB application shall be submitted by uploading through e-filing within the due date indicated above.
- 5.12 BARC, Visakhapatnam will not be responsible for any delay in receiving the submissions.
- 5.13 Chief Engineer, BARC, Visakhapatnam reserves the right not to respond to any question raised or not to provide clarification sought.
- 5.14 Short listing of the applicants shall be subjected to thorough verification of their credentials and if required, inspection of works carried out by them through a Technical Evaluation Committee constituted by BARC.
- 5.15 The short listing would be valid for a period of six months from the date of opening of the PQB tender, extendable to another six months at the discretion of Chief Engineer, BARC, Visakhapatnam.
- 5.16 The EPC main tender document will be given only to short listed applicants.
- 5.17 The PQB (Pre-Qualification Bid) will be evaluated as briefed in Section-4 of PQB tender. The applicants who participate in PQB and get short listed shall mean that they are in agreement with these tender conditions and methodology of evaluation.
- 5.18 If any information furnished by the Applicant is found to be false or incorrect immediately or at a later stage, the applicant will be liable to be debarred from tendering / taking up of any work in BARC, Visakhapatnam. BARC, Visakhapatnam reserves the right to verify the particulars furnished by the Applicant and assess the capability of the applicant independently. Wherever necessary, enquiries will be made with the applicant's references and bankers to verify the claims made by the applicant in respect of the qualification requirements.
- 5.19 BARC, Visakhapatnam will not be responsible for any cost or expenses incurred by the applicants in connection with the preparation and submission of PQB application including cost of expenses related with visits to the work site.
- 5.20 Cancellation of tender by competent authority: The competent authority of BARC reserves the right to cancel any or all tenders or to allot part of works to different agencies without incurring any liability to the Department and without assigning any reason thereof.
- 5.21 All information called for in the enclosed forms (Forms-A to R (excludes Form-I and Form-O) and Undertaking- A to C) should be furnished against the relevant columns in the forms. Even if no information is to be provided in a column, a "Nil" or "no such case" entry should be made in that column. If any particulars /queries are not

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applicable in case of the bidder, it should be stated as "Not Applicable". The bidders may please note that giving incomplete/ unclear information called for in the tender forms, or making any change in the prescribed forms, or deliberately suppressing any information, may result in disqualification of the bidder summarily.

- 5.22 References, information and certificates from the respective clients certifying performance, technical proficiency of the bidder should be signed by an officer not below the rank of Executive Engineer or equivalent authorized signatory of Client.
- 5.23 The bidder may furnish any additional information, which he thinks is necessary to establish his capabilities to successfully complete the envisaged work. He is, however, advised not to furnish superfluous information. No information will be entertained after submission of Pre-Qualification document unless it is called for by BARC.

5.24 Confidentiality Clauses:

- 5.24.1 No party shall disclose any information to any 'Third party' concerning the matters under this contract generally. In particular, any information identified as "Proprietary" in nature by the disclosing party shall be kept strictly confidential by the receiving party and shall not be disclosed to any third party without the prior written consent of the original disclosing party. This clause shall apply to the Bidders. Joint Venture partners, consultants, advisors or the employees engaged by a party with equal force.
- 5.24.2 "Restricted information" categories under Section-18 of the Atomic Energy Act, 1962 and "Official Secrets" Under Section-5 of the Official Secrets Act, 1923 shall be applicable for this contract.
 - Any contravention of the above-mentioned provisions by any bidder. JV partners, consultant, adviser or the employees of a bidder, will invite penal consequences under the above said legislation.
- 5.24.3 **Prohibition against use of BARC's name without permission for publicity purposes.** The bidder or Joint Venture partners, consultant, adviser or the employees engaged by the bidder shall not use BARC's name for any publicity purpose through any public media like Press. Radio. TV or Internet without the prior written approval of BARC.
- 5.25 In case of receipt of any adverse charter and antecedent remarks /notification against the Bidder/ Company / Firm/ Proprietor and / or his Contract personnel. Consequent to the security vetting, BARC reserves absolute right to terminate the contract forthwith without assigning reason / show cause notice. Under the circumstance the Bidder will have no right to claim any losses / liability that may be incurred as consequence to the above action initiated by BARC. BARC also reserves the right to forfeit in part / full Performance Security and /or Security Deposit in possession of the Government for failure on the part of the Bidder to abide / adhere to the Security Instruction issued by DAE / BARC from time to time.

5.26 Method of Application:

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- 5.26.1 If the bidder is an individual, the application shall be signed by him above his full name and current address.
- 5.26.2 If the bidder is a proprietary firm, the application shall be signed by the proprietor above his full name and full name of his firm with its current address.
- 5.26.3 The JV agreement amongst two or maximum three Partners shall be authenticated by a certified Notary. Apart from this Form-N and Form-P shall also be filled. The JV partners shall nominate any Nodal Officer who will have the authority to conduct all business for and on behalf of any and all the Partners of the JV.
- 5.26.4 If the bidder is a firm in JV partnership, the application shall be signed by all the partners of the JV firm above their full names and current addresses or alternatively by the Partner holding power of attorney for the firm. In the latter case, a certified copy of the power of attorney should accompany the application. In both cases a certified copy of the partnership deed and current address of all the partners of the firm should accompany the application.
- 5.26.5 If the bidder is a limited company or corporation, the application shall be signed by a duly authorized person holding power of attorney for signing the application accompanied by a copy of the power of attorney. The bidder should also furnish a copy of the Memorandum of Articles of Association duly attested by a Public Notary.

5.27 Final Decision-Making Authority

BARC reserves the right to accept or reject any bid and to annul the Pre-Qualification process and reject all bids at any time, without assigning any reason or incurring any liability to the bidders.

5.28 Particulars of work scope are Provisional

The particulars of the work scope given are provisional. These are liable to change and shall be considered only as advance information.

- 5.29 No modifications in the offer from Bidders will be allowed after due date of submission of the tender.
- 5.30 Offers with any condition including conditional acceptance will be rejected.
- 5.31 If any information furnished by the applicant is found to be incorrect at a later stage, they shall be liable to be debarred from tendering / taking up works in BARC in future forever. Also, if such a violation comes to the notice before start of work, the Engineer-in-charge shall be free to forfeit the entire amount of EMD and Performance Guarantee during later stages of tender.
- 5.32 The acceptance of offer will rest with department which does not bind itself to accept the lowest tender and reserves to itself the authority to reject any or all of the tenders received, without assigning any reason. All tenders in which any of the prescribed conditions are not fulfilled or incomplete in any respect are liable to be rejected.
- 5.33 Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the bidders who resort to canvassing will be liable for rejection.

5.34 INSTRUCTIONS to APPLICANTS / BIDDERS:

i. The bidder should be registered with https://eprocure.gov.in/eprocure/app. Those bidders not registered on the website mentioned above, arc required to get

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registered. If needed, they can be imparted training for online bidding process as per details available on the website.

- ii. The intending bidder must have valid Class-III digital signature for Request for purchase / Download of Tender Document (excel/word/pdf formats).
- iii. Tenders will be received online up to time & date as mentioned above. Tender will be opened on the time & date as mentioned above. After opening of tender, evaluation of the applicants for on-going / completed work /sites & offices, "Similar Nature of Works", "Technical Capabilities" and "Financial Criteria" will be evaluated based on Table-1 of Evaluation Criteria and team of experts from BARC may visit the applicant's / bidder's works etc. to confirm the same. Pre-Qualification related documents will be evaluated and accordingly applicants will be qualified / disqualified as specified in Section-4.
- iv. On opening date, the applicants can login and see the status of Bids after opening.
- v. The applicants shall comply the list of mandatory documents to be scanned from original & uploaded within the period of bid submission.
- 5.35 Chief Engineer, BARC, Visakhapatnam on behalf of President of India reserves the right to accept / reject any or all prospective applications without assigning any reason thereof and to restrict the list of Qualified Applicants to any number as deemed suitable, if many applications are received satisfying the basic Pre-Qualification criteria. Applications, in which any of the prescribed conditions is not fulfilled, shall be summarily rejected.
- 5.36 Bidder can contact **Head TQS on Ph: 0891-283 1146 / 0891-283 1150, Dr. G.N. Sashi Kumar (gnsk@barc.gov.in) on Phone No. 0891-283 5083/5104** for any clarification regarding Pre-qualification Bid document. Bidders should send complete details of person going to attend Pre-bid meeting to the above mentioned e-mail id.

5.37 Notes:

- i. Interested agencies may visit website https://eprocure.gov.in/eprocure/app for registration and Bid Submission.
- Contact details for assistance / clarifications related to tender documents (022)
 25593403 / 25591920 / 25593066 /25591918 / 25593404. Fax: (022) 25505310.
- iii. Contact for assistance for registration and participation in e-Tendering: 24x7 CPP Portal Helpdesk - 0120-4001002, 0120-4001005, 0120-6277787 Local Helpdesk - Shri. Bhushan / Shri. Mayur at 022-25487480. Email at support-eproc@nic.in

Sd/Chief Engineer
BARC, Visakhapatnam
For and on behalf of President of India