



Government of India
Department of Atomic Energy
Bhabha Atomic Research Centre Facilities
Nuclear Recycle Board
Kalpakam

NIT FOR WEB SITE



NOTICE INVITING E-TENDER

NIT No. BARCF/NDDP/EI/TR/34EL/2025

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On line item rate tender in two parts i.e. Part A – Technical Bid and Part B – Financial Bid are hereby invited through e-Tendering mode on behalf of the President of India by **Facility Director, Bhabha Atomic Research Centre Facilities** for the following work from eligible bidders on approved list of CPWD, MES Railways, State PWDs, Public Sector Undertakings of Central or State Governments/ Central Autonomous bodies or those having adequate experience and capabilities to execute similar works of such magnitude for the work **‘Retrofitting of existing four PLCs with new four PLCs consisting of supply and installation, logic development and modification of SCADA for MSF plant at NDDP/MPDD, BARCF, Kalpakam’**. The details are as mentioned below.

PART-A: INSTRUCTIONS AND INFORMATION

I	General Information
1.	The intending bidders must read the terms and conditions of the tender documents. He should only submit bids if he considers himself eligible and he is in possession of all documents required.
2.	The information and instruction for bidders along with technical bid and financial bids etc. are posted on website shall form part of the bid document.
3.	It is mandatory for all the applicants / Bidders to have class-III digital signature certificate from any of the licensed Certifying Agency to participate in e-tendering.
II	Registration in CPP Portal (For new bidders)
1.	Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: https://eprocure.gov.in/eprocure/app) by clicking on the link “Online bidder Enrolment” on the CPP Portal which is free of charge.
2.	As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3.	Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4.	Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
5.	Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse
6.	Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

7.	The applicants, who have already obtained such valid user311 ID and password from https://eprocure.gov.in , for any other project of BARCF / DAE/ Any Govt project, need not obtain fresh user ID and password for the purpose of participation in the present tender.
III	Searching For Tender Documents (For new bidders)
1.	There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords etc. to search for a tender published on the CPP Portal.
2.	Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e- mail in case there is any corrigendum issued to the tender document.
3.	The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.
IV	Preparation & Submission of Bids
1.	Bids shall be submitted online only at CPPP website : https://eprocure.gov.in/eprocure/app .
2.	Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
3.	The NIT & tender document consisting of drawings, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website https://eprocure.gov.in/eprocure/app . Also NIT can be viewed from www.igcar.gov.in .
4.	The bid can only be submitted after uploading the mandatory scanned documents such as Demand Draft or Pay order of any Scheduled Bank towards cost of tender document and EMD in favor of "PAY AND ACCOUNTS OFFICER, BARCF" , payable at KALPAKKAM and other documents as specified.
5.	The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
6.	Bidder has to select the payment option as "offline" to pay the EMD as applicable and enter details of the instrument (where ever applicable).
7.	Bidder should prepare the Earnest Money Deposit (EMD) as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the concerned official, latest by the last date of bid submission or as specified in the tender documents. The details of EMD, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected

8.	The tenderers are advised to submit the hard copies of original EMD and other documents etc if any, well in advance to the Tender Inviting Authority, so that it should reach on or before the due date and time. Delay in receipt of hard copies due to security restriction, postal delay or delay due to any other reasons etc. shall not be accepted and tender shall be rejected forthwith. If the bids are withdrawn or modified during the period of validity, in the terms and conditions of the Tender, which are not acceptable to the Department, then the Government shall without prejudice to any other right or remedy, be at liberty to forfeit 50% of EMD absolutely.
9.	The agency shall download the pre bid clarification if any for the work and upload the same (scanned copy) duly signed and sealed. The revised documents (if any) shall be uploaded in CPP portal.
10.	Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard Bill of Quantities (BOQ) format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the SKY BLUE colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should not be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
11.	Bid documents may be scanned with 100 dpi with color option which helps in reducing size of the scanned document.
12.	The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
13.	Submission of the tender documents after the due date and time (including extended period) shall not be permitted. Time being displayed on e-tendering portal shall be final and binding on bidders.
14.	All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
15	The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
16.	Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

17.	The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.
18.	Intending Bidders are advised to visit this website regularly till closing date of submission to keep themselves updated as any change/ modification in the tender will be intimated through this website only by corrigendum / addendum/ amendment.
19	After submission of the bid / document the bidder can re-submit revised bid/document "N" number of times but before last date and time of submission of bid/document as notified.
20	In the case of bids in two / three stage system and if it is desired to submit revised financial bid then it shall be mandatory to submit revised financial bid. If not submitted then the bid submitted earlier shall become invalid.
21	Tenderers are advised to upload their documents well in advance, to avoid last minutes' rush on the server or complications in uploading. NDDP/MPDD, BARCF in any case, shall not be held responsible for any type of difficulties during uploading the documents including server and technical problems whatsoever.
V	Assistance To Bidders
1.	Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: https://eprocure.gov.in/eprocure/app) by clicking on the link "Online bidder Enrolment" on the CPP Portal which is free of charge. In order to participate in online e-tendering process, it is mandatory for the applicants to have user ID & password to get access to the website https://eprocure.gov.in/eprocure/app. The applicants have to get registered their firm / company with the service provider, https://eprocure.gov.in for user ID & password. The registration shall be done on free of cost and completing other formalities as mentioned in website. For assistance/clarifications, please contact a) 24x7 CPP Portal Helpdesk - 0120-4001 002, 0120-4001 005, 0120-6277 787 b) Local Helpdesk for DAE - Shri. Bhushan / Shri. Mayur at 022 25487480 c) email at support-eproc@nic.in

PART-B: NIT DETAILS

1	NIT No.	BARCF/NDDP/EI/TR/34EL/2025
2	Name of work	Retrofitting of existing four PLCs with new four PLCs consisting of supply and installation, logic development and modification of SCADA for MSF plant at NDDP/MPDD, BARCF, Kalpakkam.
3	Estimated cost	₹48,22,669/-
4.	Tender processing Fee	₹0/- (No tender processing fee for the participation. Also See Note in Part-C point no.20)
5	EMD (2% of estimated cost)	Earnest Money Deposit (EMD) of Rs. 96,453/- in original to be submitted preferably in the form of Fixed Deposit Receipt issued by Scheduled Bank / Demand Draft / Banker's Cheque of a Scheduled Bank listed by RBI, issued in favour of Pay and Accounts Officer, BARCF, Kalpakkam, payable at Kalpakkam, Tamil Nadu. A part of Earnest Money is acceptable in the form of Bank Guarantee also. In such case minimum 50% of the Earnest Money or 20.00 Lakhs, whichever is less, shall be in the form prescribed above and balance can be accepted in the form of Bank Guarantee issued by a Scheduled Bank as per Appendix 'A' of Tender Part 'A'. The bank guarantee submitted as a part of Earnest Money Deposit shall be valid for a period of six months or more from the date of submission of the tender. The Earnest Money deposited along with the bid shall be returned after receiving the Performance guarantee (after confirmation). EMD in the form of cheque / cash will not be accepted. <i>(The tracking details of the courier / speed post containing the EMD should be sent through email to the EIC for those EMDs which will be submitted via postal service.)</i>
6	Completion period	SIX MONTHS (06 Months)
7	Tender Processing Fee	Nil
8	Security Deposit	2.5 % of tendered value.
9	Performance Guarantee	3 %of tendered value.
10	Tender Publishing Date	08/09/2026 (10:00 hrs.)
11	Document Download / Sale Start Date	From 09/09/2026 (11:00 hrs.) website on https://eprocure.gov.in/eprocure/app
12	Seek Clarification Start Date	Queries (if any) to be uploaded on website https://eprocure.gov.in/eprocure/app 10/09/2026 (11:00hrs)
13	Seek Clarification End Date	16/09/2026 (15:00hrs)
14	Bid Submission Start date	17/09/2026 (11:00hrs)
15	Bid Submission & sale Closing Date	24/09/2026 (15:00hrs)
16	Last date for submission of EMD original	On or before 30/09/2026 (14:00) at office of The Head, NDDP/MPDD, BARCF, Kalpakkam-603 102.

17	Date and time of online opening of Technical Bid.	01/10/2026 (15:30 hrs.) in the Office of Accounts, Room No. 208, NSB, BARCF, Kalpakkam.
18	Date of opening of Financial Bids	Will be notified at a later date
19	For any clarification regarding tender may contact	Head, MPDD (Ph.No.: 044-27480500, Extn:40105/40204) email : rnagaraj@igcar.gov.in

PART-C: REQUIREMENTS AND ELIGIBILITY CRITERIA

1.	Contractors who fulfill the following requirements shall ONLY be eligible to apply. (The firm shall be registered in India. Joint ventures are not accepted).
2.	Should have satisfactorily completed works in India during the last seven years ending previous day of last date of submission of tenders. For this purpose, cost of work shall mean gross value of the completed work excluding those supplied free of cost. This should be certified by Engineer In-charge of the work or an officer not below the rank of Executive Engineer / Project Manager/Manager or equivalent. The contractor should have electrical C- grade license from state Electricity board (Required for electrical works) ----- Completed three similar works each costing not less than 40% of estimated cost or Completed two similar works each costing not less than 60% of estimated cost, or Completed one similar work costing not less than 80% of estimated cost. Important Notes: i) Similar work shall mean: a. Supply and / (or) installation of PLC / (or) Electronic systems (CCTV, networking, access control). (or) b. Retrofitting of existing PLCs with new PLCs. i. Cost of works shall mean gross value of the completed work excluding those supplied free of cost. The value of executed works shall be brought to the current costing level by enhancing the actual value of work at a simple rate of 7% per annum; calculated from the date of completion to the last date of receipt of applications for tender. ii. Similar work carried out either by works contract or purchase contract will be considered. iii. TDS Certificate From 26 AS for proof of value of work executed for various clients. iv. In case of Integrator, Authorization certificate from OEM to be uploaded for Supreme Face reader system along with the bid otherwise the offer will be outright rejected without further notice.

3.	Should have average annual financial turn over (gross) of 50% of estimated cost during the immediate last 3 consecutive financial year ending 31st March, 2025 . (Scanned copy of Certificate from CA to be uploaded). Year in which no turnover is shown would also be considered for working out the average.
4.	Should not have incurred any loss in more than two years during the last five years ending 31st March, 2025 . Duly certified by the licensed CA.
5.	Bank Solvency Certificate of a Scheduled Bank for a minimum of 40% of estimated cost and should not be older than one year from the date of closing of tender.
6.	The bidder should be "Class-I / II Local Supplier" as defined in Public Procurement (Preference to Make in India), Order-2017, Order No."P-45021/2/2017-B.E.-II, Revision, dated 16/09/2020 and as amended from time to time. An undertaking to this effect should be provided.
7.	Compliance of Eligible source Countries notification issued by Govt. of India vide F.O 6/18/2019-PPD dt. 23.07.2020 regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries. Form of certificate on bidder letter head to this effect shall be submitted.
8.	The bidding capacity of the contractor should be equal to or more than the estimated cost of the work put to tender. The bidding capacity shall be worked out by the following formula: Bidding Capacity = {[A x N x 2] – B} Where, A= Maximum turn over in construction works executed in any one year during the last five years taking into account the completed as well as works in progress. The value of completed works shall be brought to current costing level by enhancing at a simple rate of 7% per annum. N= Number of years prescribed for completion of work for which bids has been invited. B = Value of existing commitments and ongoing works to be completed during the period of completion of work for which bids have been invited.
9.	(i) Contractor shall furnish declaration that he has not been debarred from tendering by any authority / agency. (Scanned copy of the declaration duly signed & sealed on letter head of the bidder to be uploaded at the time of submission of bid). If any such case known to the department at later stage, the contractor will be disqualified / rejected / terminated. In case if a bidder is debarred by any Government agency for bidding as on closing date of submission of this tender , then the bid is liable to be rejected. (ii) Bidders who are GST defaulters as per the GST authorities at the time of submission of the bid are not eligible for this tender. Bidders shall submit an undertaking in the format provided in this document. Any subsequent defaulting in payment of GST by the bidder, will also be scrutinized by the department, and may lead to rejection on the bid/cancellation of contract.

10.	The intending bidder must read the terms and conditions as per “CPWD General Conditions of Contract - 2014” carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required. Department reserves the right of Non-consideration of Tender documents of the agencies who are not fulfilling the NIT stipulations and / or having adverse report on the works carried out by them in the past.
11.	UNDERTAKING:- I/We undertake and confirm that eligible similar works(s) has/have not been executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in NDDP/MPDD, BARCF in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit / Performance Guarantee. (Scanned copy to be uploaded at the time of submission of tender.)
12.	Tender will be kept valid for 120 days from the Last date of closing of online submission of tenders.
13.	Proof of registration if any with Government / Semi Government organizations like CPWD, MES, BSNL, Railways, State PWDs, Private Firms etc. in appropriate class OR having experience in execution of similar nature of works as additional information. The applicant may furnish any additional information which they think necessary to establish their capabilities to successfully complete the envisaged work. No information shall be entertained after last date of online submission of tenders unless it is called by the competent authority.
14.	Short listing of the agencies shall be subject to thorough verification of their credentials and inspection of works carried out by them (if required), through a Technical Evaluation Committee, constituted by NDDP/MPDD, BARCF. If any information furnished by the applicant is found incorrect at a later stage, they shall be liable to be debarred from tendering /taking up of work in BARCF/ NDDP/MPDD, BARCF reserves the right to verify the particulars furnished by the applicant independently and reject any application without assigning any reason and to restrict the list of pre-qualified agencies to any number deemed suitable in case too many applications are received satisfying the laid down Pre-qualification criteria.
Information on compliance after awarding the contract	
15.	Successful Tenderer will be issued Letter of Intent/Letter of Acceptance (LOI/LOA) to deposit an amount equal to 3% of the tendered value of the contract as irrevocable performance guarantee in the form of Bank Guarantee from any of the schedule bank or by Demand Draft / Fixed Deposit Receipt (DD/FDR) from SBI/Canara Bank drawn in favour of Pay & Accounts Officer, BARC Facilities, Kalpakkam and payable at Kalpakkam within a period of 15 days from the date of issue of Letter of Intent. If the successful tenderer, fails to furnish the prescribed performance guarantee on or before stipulated date, BARCF/NDDP/MPDD shall without prejudice to any other right or remedy, forfeit the Earnest Money Deposit absolutely to the President automatically without any notice.

16.	In addition to the above, the successful tenderer is required to remit Security Deposit amounting to 2.5% of the tendered value which shall be deducted @ 2.5% of the gross amount of bill from each running bill as well as final bill till total security deposit is recovered.
17.	Deduction: Income Tax, TDS on GST as applicable from time to time, shall be deducted from each bill and deducted value will be remitted to the concern tax authorities. Any other taxes /cess as per Government directives shall be deducted from each bill paid to the contractor, from time to time. GST Invoice is to be submitted for bill payment.
18.	The contractor shall comply with provisions of (i) the Code on Wages,2019; (ii) the Code on Social Security,2020;(iii) the Industrial Relations Code 2020; and (iv) the Occupational Safety, Health and Working Conditions Code ,2020 as applicable. The contractor should intimate the maximum number of workmen//manpower/staff employed / likely to be employed by him to the Engineer in Charge, before commencement of the work. In case the Contract labour act does not apply to the firm, it shall be intimated the Engineer in Charge before commencing the work. All the workers are to be issued with appointment letters and wage slip. All the workers are to be paid applicable minimum wages and payment is to be made through Bank as per timelines mentioned in section 17(1) of the Code on Wages, 2019. Wherever applicable, EPFO & ESIC contributions for all the workers on the part of employer in respect of this contract as applicable shall be borne by the contractor. Records with respect to wages, PF, insurance, etc. of the workers shall be maintained & produced every month for verification. In case of non-coverage by ESIC, other mode of insurance for workmen shall be adopted and informed to Engineer in Charge before commencing the work. In case of any failure to comply with these above provisions, Department shall be entitled to recover the same from the bills.
19.	The contractor shall be responsible for the strict observance and implementation of all the safety precautions & procedures and house-keeping practices. The contractor shall comply with all the instructions given by the Engineer from time to time on these aspects in this regard.
20.	Tender processing Fee: There is no tender processing fee for participating in the government tenders. If anybody contacting / demanding the bidders (in the name of department) for paying of processing fees is compulsory, please send the details to caobarcf@igcar.gov.in and lodge an online complaint to cybercrime online portal and need not to pay in UPI id (like Gpay / phonepe / Paytm) / personal bank account number.
Note: Department reserves the right to accept or reject any application(s), without assigning any reason thereof. The applications with any condition shall be rejected forthwith.	

PART-D

1. Evaluation Criteria

The detail submitted by the bidders will be evaluated in the following manner:

- 1.1 The initial criteria prescribed in respect of experience of similar works completed, bidding capacity and financial turnover etc. will first be scrutinized in detail and the bidder's eligibility for the work be determined based on the following.
- 1.2 The bidders qualifying the eligibility criteria will be evaluated for following criteria by scoring method on the basis of details furnished by them.

Sl. No.	Criteria	Maximum Marks
a)	Financial Strength (Form 'A' and 'B')	20
b)	Experience in Similar nature of work during last seven years (Form 'C')	20
c)	Performance on works (Form 'E') Time Over run	20
d)	Performance on works (Form 'E') Quality	15
e)	Personnel and Establishment (Form 'F' & 'G')	10
f)	Facility & Equipment (Form 'H')	15
Total		100

To become eligible for short listing the bidder must secure at least **Fifty percent** marks in each criteria (a) to (f) above and **Sixty percent** marks in aggregate.

NDDP/MPDD, BARCF however, reserves the right to restrict the list of such qualified bidders to any number deemed suitable by it.

The breakup of above scoring method is indicated in the table below:

CRITERIA FOR EVALUATION OF THE PERFORMANCE OF CONTRACTORS

Sl. No.	Attributes	Marks	Evaluation
(a)	Financial Strength	20	
	(i) Average Annual Turnover	16	(i) 60% marks for minimum eligibility criteria
	(ii) Solvency Certificate	4	(ii) 100% marks for twice the minimum eligibility criteria or more In between (i) & (ii) – on pro-rata basis

(b)	Experience in Similar Class of Works	20	(i) 60% marks for minimum eligibility criteria (ii) 100% marks for twice the minimum eligibility criteria or more In between (i) & (ii) – on pro-rata basis			
(c)	Performance on works (time over run)	20				
	Parameter	Calculation of point	Score			
		If TOR =	1.00	2.00	3.00	>3.50
	(i) Without levy of compensation		20	15	10	10
	(ii) With levy of compensation		20	5	0	-5
	(iii) Levy of compensation not decided		20	10	0	0
TOR = AT/ST, where AT=Actual Time; ST= Stipulated Time Note: Marks for value in between the stages indicated above is to be determined by straight line variation basis.						
(d)	Performance on works (Quality)	(15 marks)				
	(i) Very Good		15 marks			
	(ii) Good		10 marks			
	(iii) Fair		5 marks			
	(iv) Poor		0 mark			
(e)	Personnel & Establishment	(Max. 10 Marks)	Marks will be given based on proposal submitted in Form G			
	(i) Graduate Engineer		4 marks for each			
	(ii) Diploma holder Engineer		1 mark for each upto maximum 5 marks			
	(iii) Supervisory /Foreman		1 mark for each upto maximum 3 Marks			
(f)	Plant and Equipment	(Max. 15 Marks)				

1.3 Even though any bidder may satisfy the above requirements, he would be liable to disqualification, if he has:

- (a) Made misleading or false representation or deliberately suppressed the information in the forms, statements and enclosures required in the eligibility criteria document,
- (b) Record of poor performance such as abandoning work, not properly completing the contract, or financial failures / weaknesses etc.

2. List of documents to be submitted

(Scanned self-attested copy of original certificates / documents for the following to be uploaded or otherwise bid will be summarily rejected)

1	Summary of Financial Turn Over and Profit & Loss statement certified by licensed CA for last 5 financial years with UDIN number verified certificate from website (Original color scanned copy) .(Form A)
2	Latest Bank Solvency Certificate (Original color scanned copy) (Form B)
3	List of similar works completed in last 7 years indicating (Form C) & List of work in hand (Form D) 1. Agency for whom executed 2. Value of Work 3. Stipulated time of completion
4	Certificates of Work Experience / Performance Certificates / Completion certificates.(Form E)
5	List of Staff, Structure & Organization (Form F)
6	Bidding Capacity
7	Certificates:
	i. Registration certificate ESB License, if any
	ii. Certificate of Registration for GST / TIN Registration certificate
	iii. PAN (Permanent Account Number) Registration
	iv. Registration with EPFO and ESIC
8	Undertaking that the eligible similar work(s) have not been executed through another contractor on back to back basis. (Undertaking A to D of Annexure I)
9	Undertaking for (a) having gone through the documents as per Technical Bid. And (b) downloaded the Pre-bid clarifications (Annexure-II)
10	Form of Tender (Section-II)
11	Local supplier undertaking
12	Form of certificate for Eligible source countries
13	Minimum wages declaration signed by the contractor on their letter head
14	GST certificate verified copy from website.
15	Tender specific authorization letter from OEM

[Signature]
22/01/26

[Signature]
Facility Director, BARCF

For & On behalf of President of India.

डॉ. टी.वी. कृष्ण मोहन / Dr. T.V. KRISHNA MOHAN

सुविधा निदेशक / Facility Director

भारत सरकार / Government of India

परमाणु ऊर्जा विभाग / Dept. of Atomic Energy

भाभा परमाणु अनुसंधान केंद्र / Bhabha Atomic Research Centre

FORM OF CERTIFICATE FOR ELIGIBLE SOURCE COUNTRIES

(To be submitted on Bidder's Letter head)

I/We, -----(Name of the Bidder)-----have read the NIT clauses regarding restrictions on procurement from a Bidder of a country which shares a land border with India, and I/We am/are not from such a country” or, from such a country (indicate country-----), have been registered with Competent Authority and submit a certificate herewith as an evidence of valid registration by the Competent Authority”.

I/We hereby certify that I/We am /are fulfilling all requirements in this regard and eligible to be considered, in accordance to NIT Clauses.

I/We acknowledge the right of the Employer that absence of such a certificate in the bid, if the Bidder belongs to such country stated above, shall disqualify the Bidder.

I/We acknowledge the right of the Employer to terminate the Bidder for false declaration or certificate, along with such other actions as may be permissible under law.

Signature of the Bidder

To

Facility Director,
BARCF, Kalpakkam

Format for Self-Certification under Preference to “MAKE IN INDIA” Policy
(Refer Clause No. 2.8 & 3.4.4 of ITT)

CERTIFICATE

In line with Government Public Procurement Order No. P-45021/2/2017-BE-II dt. 15.06.2017 & No.A-1/2021-FSC-Part(5) dated 16.11.2021, as amended from time to time and as applicable on the date of submission of tender, we hereby certify that we M/s_____ (supplier name) are local supplier meeting the requirement of minimum Local content as defined in above orders for the material against Tender No(NIT)_____ Dated _____.

Details of location at which local value addition will be made is as follows:

1. -----2. ----- 3. -----

and so on.

We have also read the clarification issued vide Circular No.: P-45021/102/2019-BE-II-Part (1) (E-50310), Dtd: 04.03.2021 and any other subsequent circular/amendment/order as issued by competent authority. Total Value of local content addition/manufacturing for offered material/item(s)/service is as per below declaration.

Accordingly, we declare to be (Tick One)

☐	Class-I Supplier (50% or more local content)	☐	Class-II Supplier (20% to 50% local content)	☐	Non Local Supplier (less than 20% local content)
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We also understand, false declarations will be in breach of the Code of Integrity under Rule 175(1)(i)(h) of the General Financial Rule for which for which a bidder or its successors can be debarred for up to two years as per Rule 151 (iii) of the General Financial Rules along with such other actions as may be permissible under law.

Seal and Signature of Authorized Signatory

UNDERTAKINGS TO BE FURNISHED BY THE TENDERER

1. Undertaking – A

“I Son of
..... Residing at
.....hereby give an
undertaking that I have read and I am aware of all the clauses and sub clauses of tender
forms and I confirm that I will abide by all the terms and conditions available in this tender
document. My Income tax Permanent Account Number (PAN) is

(Seal of the Firm)

*(Dated Signature of Contractor or his
authorized Power of Attorney)*

2. Undertaking – B

“I Son of
..... Residing at
..... hereby give an undertaking that I have give an undertaking
that none of my relative(s) as defined below is/are employed in DAE as per details given in
tender document. In case at any stage, it is found that the information given by me is false
/ incorrect, NRB, BARCF shall have the absolute right to take any action as deemed fit
without any prior intimation to me”

The near relatives for this purpose are defined as;

1. Members of a Hindu undivided family
2. They are husband and wife
3. The one is related to the other in the manner as father, mother, son(s) son's wife (daughter-in-law), daughter(s) daughter's husband (son-in-law), brother(s) and brother's wife, sister(s) and sister's husband (brother-in-law)

(Seal of the Firm)

*(Dated Signature of Contractor or his
authorized Power of Attorney)*

UNDERTAKING – C

I / We have read and examined the Notice Inviting Tender, General Rules & Directions, Form of Tender, Special conditions, Safety code for works contract, General condition of Contract, Schedule F, Specifications, Schedule of Construction, drawings & all other contents in the tender documents for the work AND ACCORDINGLY I / We, hereby tender for execution of the work specified for the President of India within the time specified in Schedule “F”, viz., Schedule of Quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule 1 of General Rules & Directions and in Clause - 11 of the General Clauses of Contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

(Seal of the Firm)

*(Dated Signature of Contractor or his
authorized Power of Attorney)*

UNDERTAKING – D

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in DAE in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

(Seal of the Firm)

*(Dated Signature of Contractor or his
authorized Power of Attorney)*

Declaration by Contractor

This is to certify that;

- 1) I / We have submitted the tenders in the proforma as downloaded directly from the websites which are same as available in the website and there is no change in the format, number of pages, etc.
- 2) I / We have not made any modifications / corrections / additions etc., in the tender documents downloaded from web by me / us.
- 3) I / We have checked that no page is missing and all pages as per the index are available and that all pages of tender document submitted by us are clear and legible.
- 4) I / We have submitted the cost of the tender & tender processing fee.
- 5) I / We have submitted requisite EMD in the prescribed form.
- 6) In case at later stage, it is noticed that there is any difference in my / our tender documents with the original documents, NRB, BARCF shall have the right to cancel the tender / work, forfeit the Earnest Money, Performance Guarantee & Security Deposit, take appropriate action as per the prevailing rules in force and NRB, BARCF shall not be bound to pay any damages to me / us on this account.
- 7) I/We am/are not GST defaulter(s). I/We also give undertaking that I/We will pay GST in time during the complete period of the contract.

Dated

(Contractor)
(Signature with seal)

FORM 'A' : FINANCIAL INFORMATION

I. Financial Analysis - Details to be furnished duly supported by figures in balance sheet/ profit and loss account for the last five years duly certified by the Chartered Accountant, as submitted by the applicant to the Income Tax Department (copies to be attached).

Particulars	Financial Year				
	2020-21	2021-22	2022-23	2023-24	2024-25
i) Gross Annual turnover on construction work Rupees (In Lakhs)					
ii) Profit/Loss Rupees (In Lakhs)					
iii) Certified by					

Name and address of Chartered Accountant	
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II. Financial arrangements for carrying out the proposed work.

Viz. line of credit, Working Capital, Liquid Capital, Fixed Deposits etc. - Upload scanned copy of statement

III. The scanned copies of following certificates are to be uploaded.

- (a) Profit & Loss account certified by CA & as submitted to Income Tax Department.
- (b) Solvency Certificate from banker's of applicant. Banker's certificates should be on letterhead of the Bank. In case of partnership firm, certificate should include names of all partners as recorded with the Bank as said in the Form 'B'.
- (c) GST Registration Certificate.
- (d) UDIN number verified certificate from website.
- (e) Permanent Account Number (PAN).

Name of authorized signatory

Note: Further details if required may be asked from the contractor after opening of the bids. There is no need to upload the entire voluminous balance sheet.

Scanned copy on Banker's letter head to be uploaded

FORM – B: FORM OF BANKER'S CERTIFICATE FROM A SCHEDULED BANK

This is to certify that to the best of our knowledge and information that M/s./Shri _____ (with address) a customer of our bank are / is respectable and can be treated as good for any engagement upto a limit of Rs _____ (Rupees _____).

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

(Signature)
For the Bank

Note:

- (1) Bankers certificates should be on letter head of the Bank.
- (2) In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

FORM 'C' : DETAILS OF ALL SIMILAR WORKS COMPLETED IN ALL RESPECTS DURING THE LAST SEVEN YEARS ENDING ON PREVIOUS DAY OF SUBMISSION

[illegible]

* Indicate gross amount claimed and amount awarded by the Arbitrator.

Notes:

- a. Applicant may submit separate form for giving details of work (completed) for each year to fill up the details as above. Separate sheets if any shall be numbered in sequence.
- b. The scanned copies of the work orders for each work along with completion certificate shall be uploaded.**
- c. Certified that the above list of works is complete and no work has been left-out and the information given is correct to my knowledge and belief.

Name of authorized signatory

FORM 'D' : PROJECTS UNDER EXECUTION OR AWARDED

Sl. No.	Name of work /project and location	Owner or sponsoring organization	Cost of work Rupees (in Lakhs)	Date of commencement as per contract	Stipulated date of completion	Up to date percentage progress of work	Slow progress if any and reasons thereof	Name and address / telephone number of officer to whom reference may be made	Remarks

Certified that the above list of works is complete and no work has been left out and that the information given is correct to my knowledge and belief.

Name of authorized signatory

FORM-E: PERFORMANCE REPORT OF WORKS REFERRED TO IN FORM "C"

(Separate certificate for each work/ Project)

1. Name of work/Project & Location
2. Agreement No.
3. Name of the contractor
4. Estimated Cost
5. Tendered Cost
6. Executed Cost
7. Date of start
8. Date of completion
 - (i) Stipulated date of completion
 - (ii) Actual date of completion
 - (iii) Present position of work, if in progress.
9. Amount of compensation levied for delayed completion, if any.
10. Amount of reduced rate items, if any.
11. Performance Report.

a) Quality of work	Very Good/Good/Fair/Poor
b) Financial soundness	Very Good/Good/Fair/Poor
c) Technical Proficiency	Very Good/Good/Fair/Poor
d) Resourcefulness	Very Good/Good/Fair/Poor
e) General behavior	Very Good/Good/Fair/Poor
f) Time Consciousness	Very Good/Good/Fair/Poor

Dated:

**Executive Engineer or equivalent
Signature with Seal**

FORM 'F' : STRUCTURE & ORGANISATION

- 1 Name & Postal Address of the applicant:

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- 2 Telephone No./Telex No./Fax No.

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- 3 Legal status of the applicant (Please tick and attach attested copies of original document defining the legal status)

(a) An individual; (b) A proprietary firm; (c) A firm in partnership
(d) A limited company or Corporation

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- 4 Particulars of registration with various Government bodies (attach attested photocopy)

Dept./Organization& Place of registration	Registration No.

- 5 Names and Titles of Director & Officers with designation proposed to be concerned with this work

--

- 6 Designation of individuals authorized to act for the organization

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- 7 Was the applicant ever required to suspend construction for a period of more than six months continuously after you commenced the construction? If so, give the name of the project and reasons of suspension of work.

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- 8 Has the applicant or any constituent partner in case of partnership firm, ever abandoned the awarded work before its completion? If so, give name of the project and reasons for abandonment.

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- 9 Has the applicant, or any constituent partner in case of partnership firm, ever been debarred / black listed for tendering in any organization at any time? If so give details.

- 10 Has the applicant, or any constituent partner in case of partnership firm, ever been convicted by a court of law? If so, give details.

- 11 In which fields of Engineering construction the applicant has specialization and interest?

- 12 Any other information considered necessary but not included above.

Name and address of the authorized signatory

**FORM 'G' : DETAILS OF TECHNICAL & ADMINISTRATIVE PERSONNEL TO BE EMPLOYED
FOR THIS WORK**

[illegible]

Name and address of authorized signatory	
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**FORM 'H' - DETAILS OF MACHINERY AND EQUIPMENT LIKELY TO BE USED IN
CARRYING OUT THIS WORK**

Sl. No.	Name of Equipment/ Plant	Nos	Capacity or Type & make	Age	Condition	Ownership status				Current Location	Remarks
						Presently owned	Leased	To be purchased	Proposed to be hired		
Name and address of authorized signatory											

BID SECURITY (BANK GUARANTEE)
(on Non-judicial stamp paper of value Rs. 100/-)

WHERE AS _____ [Name of Bidder] (herein after called "the Bidder") has submitted his bid dated _____ [date] for undertaking the work of _____ [Name of work] (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that We _____ [Name of bank] of _____ [Name of country] having our registered office at _____ (herein after called "the Bank") are bound to President of India, acting through Pay and Accounts Officer, NRB, BARCF, Kalpakkam 603 102 in the sum of _____ (1) for which payment will and truly be made to be said NDDP the Bank binds itself, his successors and assigns by these presents.

Sealed with the common seal of the said Bank this _____ day of 2025

THE CONDITIONS of this obligation are:

- (1) If after Bid opening the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid or makes any modification in the terms and conditions of the tender which are not acceptable to NDDP ; OR
- (2) If the Bidder having been notified of the acceptance of his Bid by NDDP during the period of bid validity
 - a) Fails or refuses to execute the Form of Agreement in accordance with the instructions of Bidders, if required; OR
 - b) Fails to commence the work specified in the tender document in prescribed time.

We undertake to pay NDDP up to the above amount upon receipt of their first written demand, without NDDP having to substantiate their demand, provided that in their demand FRFCF will note that the amount claimed by them is due to them owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date _____⁽²⁾. This date may be extended by NDDP, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE _____ SIGNATURE OF THE BANK _____

WITNESS _____

SEAL _____

[Signature, name and address]

Notes:

1. The bidder should insert the amount of Guarantee in words and figures denominated in Indian Rupees. This figure should be the same as specified in the tender document.
2. This date should be 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.

1. General & Technical Compliance Sheet

Note: Simply marking "YES" or "NO" against a specification point will result in rejection during technical evaluation. Bidders must provide relevant, specific answers and values (e.g., model number, exact rating and measured parameter) against each individual point to substantiate compliance.

Sl. no.	General compliance	Bidder Specifications
1	The bidder should be OEM/ Authorised dealer for the offered PLC hardware and software. The bidder should upload relevant dealership certificate / authorization with live validity failing which the BID will be rejected.	
2	Detailed technical specifications of each component/module must be provided along with a Bill of material (BOM) listing the complete model and make of items offered and architecture of each PLC system offered.	
3	All the PLC hardware items shall be both CE and UL certified. The bidder should upload relevant certificates / catalogs which explicit states that the offered models of all PLC hardware items are CE and UL certified.	

Sl. No.	Technical Specification Requirement	Bidder Specifications
1. POWER SUPPLY MODULE		
1	MAKE / MODEL NO.	
2	Input Operating Voltage Range: 85 to 260 V AC (50/60 Hz).	
3	Output Voltage Capacity: Nominal 24 VDC for backplane.	
4	Max Output Current Rating: Continuous 5A.	
5	Grounding: Dedicated operational protective grounding terminal in module.	
6	Front panel diagnostic LED indicators for all status.	
7	Operating Temperature: -20°C to 60°C.	
8	Relative Humidity: 5% to 95% (non-condensing).	
2. CPU MODULE		
1	MAKE / MODEL NO.	
2	CPU: 32-bit processor or better with multi core processing.	
3	Programming languages: Complete IEC 61131-3 software standard support.	
4	Local Digital I/O Capacity: Scalability to manage up to minimum 4,000 plus I/O points.	

Sl. No.	Technical Specification Requirement	Bidder Specifications
5	02 nos. of Embedded Ethernet port supporting Modbus TCP, minimum 100 Mbps speed.	
6	01 no. of RS-485 / RS 232 serial port built in to the CPU.	
7	01 no. micro-SD card slot, Size: 32 GB or more for storing program backup.	
8	01 no. of mini-USB port shall be available for program upload/download.	
9	The offered CPU shall be usable in a redundant PLC system (in future) without a need for up gradation. (The other modules that are required for implementing redundancy such as power supply, modules, racks, standby CPU, sync cable etc., will be procured when there is a need to upgrade the system to a redundant system in future. However, the offered CPU will not be upgraded and shall work in redundant architecture in the future).	
10	The PLC CPU shall support Modbus TCP to interface with the existing SCADA. Modbus TCP is the only accepted protocol as the current PLC (which is to revamped to a new PLC) is communicating with the SCADA through Modbus TCP. OPC or gateway or any other method or protocol for SCADA communication is strictly not accepted.	
11	Operating Temperature: -20°C to 60°C.	
12	Relative Humidity: 5% to 95% (non-condensing).	
3. 8 CHANNEL ANALOG INPUT MODULE		
1	MAKE / MODEL NO.	
2	8 independent channels.	
3	Signal Range Configurations • 0 or 1V to 5V • $\pm 5V$ • 0V to 10V • $\pm 10V$ • 0 or 4mA to 20mA • $\pm 20mA$	
4	Analog-to-Digital Conversion Resolution: Minimum 16 bits.	
5	Accuracy: $\pm 0.1\%$ of full scale.	
6	Electrical Isolation Limits: Galvanic opto-coupler between channels.	
7	Module Diagnostic: Front indicator LEDs for module health.	
8	Removable Terminal Block.	
9	Each channel shall be independently selectable for the supported signal types, without group/bank-level restriction.	

Sl. No.	Technical Specification Requirement	Bidder Specifications
10	Operating Temperature: -20°C to 60°C.	
11	Relative Humidity: 5% to 95% (non-condensing).	
4. 8 CHANNEL RTD INPUT MODULE		
1	MAKE / MODEL NO.	
2	Hardware Channel Count: 8 physical RTD terminal groups.	
3	Supported input types, 0 to 300 ohms Pt1000 Ni100 Pt100 Ni1000	
4	Wiring Configuration: 2-Wire 3-Wire 4-Wire RTD terminal	
5	Resolution: 16-bit minimum.	
6	Accuracy: Within $\pm 0.6\%$ of full scale for any sensor.	
7	Celsius (°C) or Fahrenheit (°F) selection.	
8	Sensor open-circuit, wire break detection tracking.	
9	Each channel shall be independently selectable for the supported signal types, without group/bank-level restriction.	
10	Operating Temperature: -20°C to 60°C.	
11	Relative Humidity: 5% to 95% (non-condensing).	
5. 8 CHANNEL ANALOG OUTPUT MODULE		
1	MAKE / MODEL NO.	
2	Total Node Density: 8 distinct physical signal input channels.	
3	Support for standard types as given below and type shall be configurable for each channel not as a group Signal Range Configurations • 0 or 1V to 5V • $\pm 5V$ • 0V to 10V • $\pm 10V$ • 0 or 4mA to 20mA	
4	Resolution: 16-bit or higher.	
5	Accuracy: $\pm 0.1\%$ of full scale.	
6	Each channel shall be independently selectable for the supported signal types, without group/bank-level restriction.	
7	Operating Temperature: -20°C to 60°C.	
8	Relative Humidity: 5% to 95% (non-condensing).	

Sl. No.	Technical Specification Requirement	Bidder Specifications
6. 32 CHANNEL DIGITAL INPUT MODULE		
1	MAKE / MODEL NO.	
2	Type: 32 discrete digital inputs.	
3	24VDC system type, should support sinking or sourcing configurations. It should be possible to wire either as sink or source.	
4	Connection Mechanism: High density connectors.	
5	Front panel LED for diagnostics.	
6	Operating Temperature: -20°C to 60°C.	
7	Relative Humidity: 5% to 95% (non-condensing).	
8	Individual LED indicator for all the channels.	
7. 32 CHANNEL DIGITAL OUTPUT MODULE		
1	MAKE / MODEL NO.	
2	Type: 32 solid-state transistors digital outputs.	
3	Transistor NPN (Sinking current configuration only).	
4	24VDC system type.	
5	Operating Temperature: -20°C to 60°C.	
6	Relative Humidity: 5% to 95% (non-condensing).	
7	Individual LED indicator for all the channels.	
8. 12 SLOT BACKPLANE		
1	MAKE / MODEL NO.	
2	Total Rack Slots Available: 12 for any IO modules	
9. 6 SLOT BACKPLANE		
1	MAKE / MODEL NO.	
2	Total Rack Slots Available: 6 for any IO modules	
10. PLC PROGRAMMING SOFTWARE		
1	MAKE / MODEL NO.	
2	Programming Standard Support: Complete IEC 61131-3 multi-language support (Ladder, FBD, ST, IL and SFC).	
3	Support for C language.	
4	Online monitoring and program editing without stopping the CPU. It shall be possible to carry out program modifications without stopping the CPU.	
5	Password protection and access-level security for projects.	
6	Offline simulation capability.	
7	Cross-Reference for variable tags.	

Sl. No.	Technical Specification Requirement	Bidder Specifications
8	Project Comparison utility for comparing two versions of a project or the offline and online programs.	
9	Addressing Mode: Support for symbol or tag based addressing in addition to absolute addressing.	
10	Storage and retrieval of program, rung, and device-level comments for documentation purpose.	
11	Support for import/export of program logic in a documented and non-proprietary format.	
12	Language Interface: English.	
13	Full compatibility with the offered CPU and I/O modules without requiring additional paid add-ons/plugins.	
14	The license shall be a perpetual software-based license. Dongle or hardware-based license is not acceptable.	

*****END*****