



भा.कृ.अनु.प.-केन्द्रीय कंद फसल अनुसंधान संस्थान
(भारतीय कृषि अनुसंधान परिषद)
श्रीकारियम, तिरुवनंतपुरम - 695 017, केरल, भारत

ICAR-CENTRAL TUBER CROPS RESEARCH INSTITUTE
(Indian Council of Agricultural Research)
Sreekariyam, Thiruvananthapuram - 695 017, Kerala, India



F.No. 2-29/2025-Gene-Store

Date: 04.02.2026

NOTICE INVITING E-TENDER THROUGH E-PROCUREMENT

On behalf of the Secretary ICAR, The Director, ICAR-Central Tuber Crops Research Institute, Sreekariyam, Thiruvananthapuram, invites online bids from approved and eligible contractors registered with Govt. organizations such as CPWD, State PWD, MES, Railway, P&T, Public undertaking, Nationalized banks etc. by on line e-tendering process for the following work:-

Name of work & location	Transgenic glass house up-gradation at ICAR-CTCRI(Specification and details attached at Annexure-I)
Estimated cost	10.09 lakhs
Earnest money deposit (Rs.)	20000.00
Period of completion	60 days from date of award of work order
Last date & time of submission of e-tender and other documents as specified in the tender	18.02.2026 @3.30 PM
Time & date of opening of tender	19.02.2026 @4.30PM
Tender No.	2-29/2025-Gene-Store

1. The bidder(s) must read the general terms and conditions carefully. He/She should submit his/her bid if he/she considers himself eligible and he/she is in possession of all the documents required.
2. Information and instruction for bidders posted on website shall form part of bid document.
3. The bid document consisting of plans, 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 <http://www.ctcri.org> or <https://eprocure.gov.in/eprocure/appfree> of cost.
4. Rate shall be quoted in the Microsoft Excel sheet uploaded as BoQ on the CPP Website (on CPP site <https://eprocure.gov.in/eprocure/app>). **Manual bids will not be accepted.**

Senior Administrative Officer

INSTRUCTIONS FOR ONLINE BID SUBMISSION

1. The tender form/bid documents may be downloaded from the website: <https://eprocure.gov.in/eprocure/app>. Online submission of Bids through Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>) is mandatory. Manual/Offline bids shall not be accepted under any circumstances.
2. Tenders/bidders are requested to visit website <https://eprocure.gov.in/eprocure/app> regularly. Any changes/modifications in tender enquiry will be intimated by corrigendum through this website only.
3. In case, any holiday is declared by the Government on the day of opening, the tenders will be opened on the next working day at the same time. The ICAR-CTCRI reserves the right to accept or reject any or all the tenders.
4. The interested Firms are not required to deposit any tender fee.
5. Bidder must submit the offer before the online closing date & time. The website will automatically stop accepting the offer after online closing date and time.
6. Bidder can change quoted rates any time before of closing date & time.
7. Bidder need not to come at the time of bid opening at ICAR-CTCRI. They can view live opened bids after login on CPP e-Procurement Portal at their remote end. If bidder wants to join bid opening event at ICAR-CTCRI then they have to come with bid acknowledge slip that generates after the submission of online bid and identity proof.

SECTION-I
GENERAL TERMS AND CONDITIONS

1. Tenders are hereby invited from experienced and eligible contractor for ***Transgenic glass house up-gradation at ICAR-CTCRI, Trivandrum*** as per the schedule and specification of the work enclosed at **Annexure-I**.
2. **Site Visit.** The tenderer is advised in his own interest to visit/examine the site of work before submission of his tender. He may obtain all relevant information that may be necessary for preparation of the bid.
3. **Tender Document.** The tenderer requiring further information or clarification on the tender document may contact the **Senior Administrative Officer, ICAR-CTCRI, Trivandrum**.
4. The tenderer must fill their rate in the financial bid form in excel format and upload. In Technical bid format please upload all the documents as per Technical check list (Annexure-II). Incomplete tenders submitted which are not as per the instructions are liable to be rejected.
5. Tenderers may also download the tender documents from ICAR-CTCRI's website www.ctcri.org or CPP portal web site www.eprocure.gov.in and upload & submit the e-tenders as per the instructions on www.eprocure.gov.in .
6. **Manner of submission of E-Tender.** The two bid system containing 1) Technical cover which contain technical supporting documents as per the technical checklist (Annexure-II) required to qualify in the technical evaluation, the scanned documents (in pdf format) shall be uploaded on the website one by one during submission, 2) Financial bid cover2(BoQ.xls) (which contain BoQ&Schedule of work (in. xls format) shall be filled on the blank space with name of bidder with address and rate etc. and uploaded on the website : www.eprocure.gov.in without changing the file name.
7. **Technical Bid Cover** . Technical bids cover 1 containing technical supporting document shall be opened first on opening day and bid without necessary documents may liable to be rejected during opening time or during technical evaluation.
8. **Financial Bid cover.** Only technically qualified bidders will be opened on later date.
9. **Earnest Money Deposit (EMD)/Bid Security.** An Earnest Money Deposit of Rs.20,000/- (Rupees twenty thousand only) must be deposited in the form of Demand Draft/Bankers Cheque/FDR/Bank Guarantee in favour of Director, ICAR unit CTCRI and payable at Thiruvananthapuram. The EMD should valid 45 days beyond the bid validity period. Copy of EMD should be uploaded with other documents. Original EMD other than direct transfers, should reach this office in a sealed cover within Seven days from the date of closing date of the tender failing which their tender will be summarily rejected. The bidders who are registered with MSME (Micro Small & Medium Enterprises) may be considered for exemption from furnishing the EMD by the Competent Authority.
10. **Period of Validity of Tender.** The tender shall remain valid for 180 days after the date of opening.

11. **Omission and Discrepancies** . Should a tenderer find discrepancies in, or omissions from the drawings or any of the tender document or should be in doubt as to their meaning, he should at once notify the authority inviting the tenders, who may send a written instruction to all the tenderers. It shall be understood that every endeavor has been made to avoid any error which can materially affect the basis of the tender and the successful tenderer shall take upon himself and provide for the risk of any error which may subsequently be discovered and shall make no subsequent claim on account.
12. **Canvassing**. Any effort by the tenderer to influence the representative of ICAR-CTCRI in making the decision in respect of tender evaluation or award of contract will result in rejection of the e-tender.
13. **Right of ICAR-CTCRI to deal with tenders.** The Director, ICAR-CTCRI reserves the right to accept or reject any e-tender or all the e-tenders at any time prior to award of contract without assigning any reasons whatsoever and no correspondence shall be entertained in this regard.
14. **Misleading information.** If the tenderer/tenderers deliberately gives/give any wrong information or suppresses/any material facts or makes/make false representations in this tender or creates/create circumstances for the acceptance of his/their tender. ICAR-CTCRI reserves the right to reject such tender at any stage or cancel the order even after acceptance of the tender at the risk of the tenderer/tenderers.
15. **Award of work.** ICAR-CTCRI will notify the successful tenderer in writing by a registered letter or email to confirm that his tender has been accepted.
16. **Signing of contract.** The successful tenderer has to sign the agreement on non-judicial stamp paper of value Rs 200/- within 10 days from the receipt of offer of contract. The tenderer has to arrange the stamp paper at his own cost.
17. **Performance Guarantee.** The successful tenderer has to pay **5% of the tendered amount** as Performance Guarantee in the form of Demand Draft in favour of "Director, ICAR Unit – CTCRI" payable at Thiruvananthapuram before commencing the work. Performance Guarantee shall be treated as Security deposit shall be refunded after 180 days from the date of successful completion of the work. If the successful tenderer fails to deposit the performance guarantee within 15 days from the date of receipt of work order, it will be presumed, that the contractor is not interested in the contract and the offer of contract shall be cancelled and Bid Securing Declaration will be invoked. If the contractor fails to rectify the defect even after the receiving written instructions from ICAR-CTCRI such works shall be done departmentally, and the expenditure shall be deducted from the security deposit of the contractor.
18. **Completion of work and Penalty for delay in completion.** All the work items as per the enclosed Annexure-I shall be completed positively on or before the prescribed completion period as indicated in Annexure I. Any willful delay on the part of the contractor in completing the construction within the stipulated period will render him liable to pay Liquidated Damages @ 1.5% of the tendered amount per month of delay to be computed on per day basis will be charged and deducted from payments due to him. The ICAR-CTCRI may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 2% of the contract amount.(Note : the amount of liquidated damages per day should be determined at 0.05% of the contract value of the works).

19. Other Information.

- (a) Non compliance with any of the conditions set forth here above is liable to result in the tender being rejected.
- (b) The tendered works are not to be subletting to other contract which will lead to cancellation of contract.
- (c) Any deviation from the required specification must be clearly mentioned.
- (d) All the related works/any additional unforeseen work such as breaking of walls/bringing plumbing lines/providing waste water drainages etc. in the creation of this facility must be included in the bid
- (e) Demand for additional funds/work will not be entertained after finalizing the bid.
- (f) It will be the responsibility of the bidder to remove all the waste materials from the site and clean the area after the completion of the work.
- (g) While creation of this facility, damage if any, caused to the existing facility must be restored by the bidder at his own expense.

20. Execution of contract document.

- (a) The tenderer whose tender is accepted shall be required to appear at the ICAR-CTCRI office in person to execute the contract documents after receipt of work order.
- (b) The tenderer shall keep the offer for a minimum period of 90 days from the date of opening of tenderer the period extended further by mutual consent from time to time. IWorks are required to be completed strictly within the time and date stipulated in the tender document.
- (d) The tenderer shall not take the advantage of any misinterpretation of the conditions due to typing or any other error/errors and if any doubt, shall bring such error/errors to the notice of ICAR-CTCRI without delay.

21. Commencement of work. The contractor shall commence the works on site as per the date mentioned in work order. Thereafter the contractor shall proceed with the works with due expedition to complete the works within the stipulated time period.

22. Tendered Rates. The tendered rates shall be inclusive of all taxes and cases and also inclusive of tax levied in respect of work contract under provision of GST. No extra payment on this account will be made to contractor. The quoted rates must be valid for 180 days from the date of opening of tender.

23. Labour Act. No contractor shall employ any person who is under the age of 18 years. Scientist-in-Charge/PI of project is authorized to remove from work any person who is below 18 years. The contractor shall pay fair and reasonable wages to the workmen employed by him, in the event any dispute arising between the contractor and his workmen on the ground that the wages paid are not fair and reasonable, the dispute shall be referred without any delay to the Director, ICAR-CTCRI. The decision of the Director, ICAR-CTCRI shall be conclusive and binding on the contractor.

24. Safety of the workers. The contractor shall be responsible for and shall pay any compensation to his workmen under the workmen's compensation act 1923 (VIII of 1923) for injuries caused to the workmen. The contractor also responsible to provide first aid treatment of all injuries likely to be sustained during the course of work.

25. Payment to the contractor. No advance shall be given to the contractor. On completion of the work the contractor shall be furnished with a certificate by the Officer-in-Charge of E&M of such satisfactory completion. But no such certificate shall be given nor shall the works be considered to be complete until the contractor shall have removed all the rubbish, surplus material, all scaffolding etc. from the premises. The bill forwarded by the contractor shall be

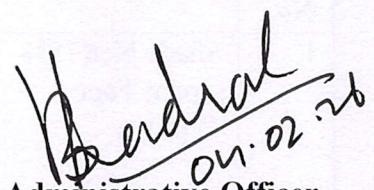
considered for payment only after obtaining the certificate as described above. All payments for the work will be made through transfer only. The contractor shall provide correct bank details alongwith bill itself.

26. **Income Tax Deduction.** TDS will be as per prevailing rules and regulations of Income Tax Department.
27. **Damages to Govt. Property.** Compensation of all damages done intentionally or unintentionally by contractor's labour whether in or beyond the limits of Govt. property including any damage caused by spreading of fire, shall be estimated by the in-charge subject to the decision of the Director, ICAR-CTCRI, on appeal shall be final and the contractor shall bound to pay the amount of the assessed compensation on demand, failing which, the same will be recovered from the bill of the contractor.
28. **Supervision.** The contractor shall either himself supervise the execution of the works or shall appoint the competent engineer approved by the Scientist-in-charge, to act his behalf. If in the opinion of the Scientist-in-Charge, the contractor has himself no sufficient knowledge and experience of receiving instructions or cannot give his full attention to the works, the contractor shall at his own expenses, employ as his accredited agent a qualified Engineer approved by the Scientist-in-Charge. If the contractor fails to appoint a suitable agent, the Scientist-in-charge will suspend the works until a suitable agent is appointed and the contractor shall be responsible for the delay so caused to the works and the contractor shall not be entitled for any compensation on his behalf.
29. **Inspection.** The contractor shall inform the Scientist-in-Charge in writing when any portion of the work is ready for inspection giving him sufficient notice to enable him to inspect the same without affecting the further progress of the work. The work shall not be considered to have been completed in accordance with the terms of contract until the Scientist-in-Charge shall have certified in writing to that effect. Approval of materials of workmanship of approval of part of the work during the progress of execution shall not bind the Scientist-in-Charge or in any way affect him even to reject the work which is alleged to be completed and suspend the issue of his certificate of completion until such alterations and modifications or reconstructions have been effected at the cost of the contractor as shall enable him to certify that the work has been completed to his satisfaction. The contractor shall provide at his cost necessary ladders and such arrangements as to provide necessary facilities and assistance for proper inspection of all parts of the work at his own cost.
30. **Samples and Testing of Materials.** All materials to be used on the work shall be got approved from the Scientist-in-Charge and pass the test or analysis required by him which will be:
 - (a) As specified in the specification for the items.
 - (b) B.I.S specifications for the items
 - (c) Such recognized specifications acceptable to Scientist-in-Charge as equivalent thereto or in absence of such authorized specification. Such requirement test and /or analysis as may be specified by the in-charge in order of precedence given above.
31. **Claims.** No extra work shall be done without the written permission of Scientist-in-Charge. No claim of extra work shall be paid separately. ICAR-CTCRI shall not responsible if the contractor executes any extra work without written order.
32. **Handing over of work.** All the works and materials before final taken over by Scientist-in-charge., will be entire liability of the contractor for guarding, maintaining and making good any damages of any magnitude, interim payment made for such work will not alter this position. The handing over the contractor and taking over the Scientist-in-charge or his

authorized representative will be always in writing of which copies will go the in-charge or his authorized rep and the contractor, it is however understood that before taking over such work will not put into regular use.

33. **Other Conditions:**

- (a) No work shall be done Saturday & Sundays and other holidays without the prior permission in writing of the Officer-in-Charge.
- (b) The contractor shall not sublet or assign his contract to others.



V. Venkatal
on. 02.26

Senior Administrative Officer

Annexure-I

**Transgenic glass house with Automatic Temperature/Humidity/Timer
Control upgradation specifications**

Sl. No.	Item Description	Specification Details	Qty	Brand
1	Shade Net(75% Green Tape Type)	<p>Shade Net (75% Green Tape Type) :</p> <ul style="list-style-type: none"> Shade Net 75% shading, green tape type shade net must be supplied. The total required area is ~170 sqm. Installation must ensure proper tensioning and coverage. All necessary clamps, fasteners, ropes, and tensioners must be supplied; Installation must ensure durability under outdoor conditions. 	170 sqm	
2	Polycarbonate Sheet (2 mm)	<p>Poly carbonate Sheets</p> <ul style="list-style-type: none"> Poly carbonate Sheets (2mm):~1650 sq ft. Sheets must be made of polycarbonate (PC) material, the required thickness is 2 mm, Sheets must have impact resistance 200–250 times stronger than glass, Material must withstand temperatures between 10°C and 60°C. 	1650 sqft	
3	H-Connector/ Channel	<p>Corrosion-resistant channel for PC sheet joints; sealing & stability</p> <ul style="list-style-type: none"> H-Connector / Channel for Polycarbonate Sheet: H- connector/channel must be compatible with 2 mm polycarbonate sheets. Material must be corrosion-resistant and suitable for outdoor green house structures. Must ensure proper joining, sealing, and structural stability of polycarbonate sheets. Channel length must match sheet installation dimensions. 	20 Nos	
4	Cooling Pad (4"x 4 ft)	<p>Cellulose pads; anti-rot treatment; installed in frames</p> <ul style="list-style-type: none"> Cooling Pad (4" Thick, 4 ft Height): ~64 sqft Pads must be cross- corrugated cellulose media treated with anti-rot and wetting chemicals. Pads must provide effective evaporative cooling with 50–98% saturation efficiency. Structure must minimize dust accumulation and sagging. 	64 sqft	

5	Automatic Temperature/Humidity/Timer Control	Automatic Temperature/Humidity/Timer Control system for 4 Chambers	4	L&T, Legrand, Schneider etc
6	Heavy Duty Door Closer	Industrial door closers for green house chambers <ul style="list-style-type: none"> Heavy Duty Door Closer: 4 Nos Heavy-duty industrial-grade door closers must be installed. 	4 Nos	Preferably Dorma titan/Godrej
7	Cooling Pad Motor(1HP) with fittings	1 HP evaporative cooling motor, pulley, belts & mounting <ul style="list-style-type: none"> Cooling Pad Motor (1HP with fittings) : One 1-HP industrial motor must be provided for cooling pad operation, All necessary fittings must be included. 	1	Crompton/ Havells / Kirloskar
8	Exhaust Fan(24") Heavy Duty	MS body; GI shutter; 240 V; ~1.4 kW; includes fitting <ul style="list-style-type: none"> Exhaust Fan (24", Heavy Duty): 8 Nos. Fans must have a blade size of ~24 inches, Material: MS (mild steel) body construction, provision to operate on a single-phase electrical supply, voltage 220 V., Power consumption ~1.4 kW. Each fan must ventilate an area of around ~150 sqm. Shutters must be GI (galvanized iron) type. 	8 Nos	Preferred brand Almonard, Crompton, Usha/ equivalent
9	Air Curtain	Industrial unit; 18–22 m/s airflow; stainless MS body <ul style="list-style-type: none"> Air Curtain – (2 Nos), Installation Location: Greenhouse entry points Mounting: door-top mounted, as per site requirement, Performance Specifications: Air Velocity: 18–22 m/s (minimum), Air Flow Rate: 1500–2500 m³/hr, Recommended Door Height Coverage: Up to 8–9 feet, Electrical Specifications: Motor Type: Single-phase or three-phase induction motor, Power Rating: 150–300W per unit, Operating Voltage: 220–240VAC Frequency: 50 Hz Construction Features: Body Material: Powder-coated MS or stainless steel frame, Blower Type: Centrifugal / Cross-flow blower, Noise Level: ≤ 70 dB at 1-meter distance Speed Control: Single or dual-speed motor, Functional Requirements: Must create an effective air barrier to: Prevent dust and 	4 Nos	

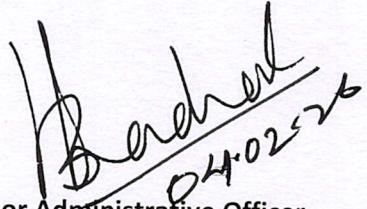
		insects entering the greenhouse, Maintain internal cooling and humidity levels,		
10	Electrical Wiring Work	<p>Entire wiring as required The work shall include Dismantling of the old and existing wiring. supply and wiring of 4-pole enclosures consisting of 40 A, 4-pole isolators using 4×4 sq. mm FR PVC insulated copper conductor single-core cables along with 12 swg copper earth continuity, complete in all respects (2 sets).</p> <p>Supply and wiring of 2-pole enclosures consisting of 32 A, 2-pole MCBs using 4×4 sq. mm FR PVC insulated copper conductor single-core cables along with 12 swg copper earth continuity, complete (4 sets).</p> <p>Supply and wiring of 20 W LED tube sets (retrofit tubes with metal frame) using 2×1.5 sq. mm FR PVC insulated copper conductor single-core cables in surface conduit system, including dedicated 6 A modular type switches, ceiling rose, and all accessories as required (12 sets).</p> <p>Supply and wiring of 10-inch heavy-duty exhaust fans using 2×1.5 sq. mm FR PVC insulated copper conductor single-core cables in surface conduit system, including dedicated 6 A modular type switches, ceiling rose, and accessories as required (2 sets).</p> <p>Wiring for door curtains using 2×1.5 sq. mm FR PVC insulated copper conductor single-core cables in surface conduit system, including dedicated 6 A modular type switches, ceiling rose, and accessories as required (4 sets).</p> <p>Wiring for cooling pad motor using 2×2.5 sq. mm FR PVC insulated copper conductor single-core cables in surface conduit system along with 12 swg copper earth continuity as required (1 set). pipe earthing using 2 m long, 2.5-inch GI pipe with all necessary internal connections using 10 swg copper conductor and accessories, complete as required (2 sets)etc</p>	168 sqm	<p>Preferred Cable Make Finolex,L&T, RR Cable, Polycab, V guard etc</p> <p>Preferred Isolator/MCB /switch Make Legrand, L&T, Schneider etc</p> <p>Preferred Exhaust fan Make Almonard, Crompton, Usha etc</p> <p>PVC/CPVC pipes, fittings (Astral/ Supreme/ Finolex brands)</p>
11	UV Sheet – 5 Layer (Roofing)	<p>Multi-layer UV Stabilized Agricultural Sheet; Sealing & Accessories</p> <ul style="list-style-type: none"> UV Sheet – 150 sq. m (5 Layer) with Accessories Including Installation: Five-layer UV-stabilized agricultural sheet suitable for greenhouse applications. Thickness: 200–250 micron (for LDPE 5-layer) or 6 mm (if polycarbonate type is used). Light transmission: 75–85%, 	150 sqm	

		<p>suitable for greenhouse crop growth. Light diffusion: Should provide uniform light dispersion to minimize hotspots. Temperature resistance: 5 °C to +70 °C. Strength: Tear-resistant and weatherproof. Additional properties: Anti-dust and anti-drip (optional but preferred). Colour: Transparent. Installation: Must be installed with proper fastening and adequate overlap. The scope shall include all compatible channels, screws, fasteners, and sealing accessories, complete in all respects, ensuring durability under greenhouse operating conditions.</p>		
12	Floor Concrete work and painting	Repairing of the patches and painting of the walls	150 sqm	Cement (OPC/PPC)-53 grade (Dalmia/ Ramco /equivalent)

ANNEXURE-II**LIST OF DOCUMENTS TO BE UPLOADED AT THE TIME OF BID SUBMISSION**

The Firms are also required to upload copies of the following documents (Tender uploading without the following documents will be rejected), **Furnish only requested documents in the respective cover. Submission of unnecessary/non submission of requested documents will be summarily rejected**

- 1) Copy of Govt. Registration/License/empanelment letters etc. of the contractor.
- 2) Copy of PAN.
- 3) Copy of EMD / Copy of MSME Registration in the relevant field for EMD exemption
- 4) Copy of Bank Details
- 5) Copy of GST registration certificate.
- 6) Copy of details of works completed and in hand at present for last three years showing at least one work costing more than 10.00 lakhs.
- 7) Tender acceptance letter as per Annexure-III.
- 8) Compliance for documents
- 9) Price Bid as BoQ_.xls



Senior Administrative Officer

Compliance for Documents

Sl.No	Document	Compliance Yes/No
1.	Scan copy of Govt. registration/License/empanelment letters etc. of the contractor	
2.	Scan copy of PAN	
3.	Copy of EMD / Copy of MSME Registration in the relevant field for EMD exemption	
4.	Copy of Bank Details	
5.	Scan copy of GST registration certificate	
6.	Scan copy of details of works completed and in hand at present for last three years showing at least one work costing more than 10.00 lakhs	
7.	Tender acceptance letter as per Annexure-III	
8.	Compliance for documents	

Name &Signature of bidder
Full Address /Company seal

ANNEXURE-III**TENDER ACCEPTANCE LETTER**
(To be given on Company Letter Head)

Date:

To,

Sub: Acceptance of terms and conditions of tender.

Tender Reference No : _____

Name of tender/work _____

Dear Sir,

1. I/We have downloaded/obtained the tender documents for the above mentioned Tender/work from the web site(s) namely:

As per your advertisement, given in the above mentioned website(s).

2. I/We hereby certify that I/We read the entire terms and conditions of the tender documents from Page No 01to including all documents like Annexure(s), Schedules(s) etc..) which form part of the contract agreement and I/we shall abide hereby the terms/conditions/clauses contained therein.

3. The corrigendum(s) issued from the time by your department/organization too have also been taken into consideration, while submitting this acceptance letter.

4. I/We hereby unconditionally accept the tender conditions of above mentioned tender document(s)/corrigendum(s) in its totality/entirety.

5. I/We do hereby declare that our Firm has not been blacklisted/debarred by any Govt. Department/Public Sector Undertaking.

6. I/We certify that all information furnished by the our Firm is true and correct and in the event the information is found to be incorrect/untrue or found violated, then your department/organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,
(Signature of the Bidder, with Official Seal)
