



भा.कृ.अनु.प.-केन्द्रीय कृषि अभियांत्रिकी संस्थान  
नबीबाग, बैरसियारोड, भोपाल-462 038

ICAR-Central Institute of Agricultural Engineering  
Nabi Bagh, Berasia, Road, Bhopal- 462 038 (M.P.)

Tel. 0755-2521021 Fax No. 0755-2734016, Website:- <http://www.ciae.nic.in>



F.No.: F.No. CIAE/EMS/WS-121/2024-25

To,



**By Speed Post**

Dated: 27.12.2024

Sub: "Repair of plastic shed on the corridors pergola at Research Workshop, Khand-I & II and ATIC"-  
reg.

Dear Sirs,

On behalf of the Director, CIAE, Bhopal, I am to invite your lowest quotation for "Repair of plastic shed on the corridors pergola at Research Workshop, Khand-I & II and ATIC" from the civil/electrical contractors on **limited tender enquiry** as per the approved the list (registered with CPWD, State PWD or any other Govt. agency at ICAR-CIAE, Bhopal) following terms & conditions.

1. The rates should be submitted on the prescribed schedule of work and notified in the Annexure-1 and the contractor should sign it. **Taxes, if any, must be quoted, separately otherwise, it will be assumed that the rates are inclusive of all taxes, etc.**
2. No over writing in the offer is permitted. However correction if any must be signed by the contractor. In case of non-conformalities for the quoted rates between figures and words or sub totals etc.; the rules vide section 7.3.2 of manual of procurement of goods 2017 (G01). Shall be adopted.
3. Quotation must be sent in a sealed cover envelope mentioning "Repair of plastic shed on the corridors pergola at Research Workshop, Khand-I & II and ATIC".
4. Quotations must be sent through Registered Post/Post/Speed Post/Couriers to the In-Charge Estate Management Section, ICAR-Central Institute of Agricultural Engineering, Nabi Bagh, Berasia Road, Bhopal-462 038. Quotation will NOT be accepted by hand.
5. The quotation must be received before 15 days time from the date mentioned in the notice inviting quotation i.e. 13.01.2025
6. The contractors who have already submitted documents like valid PAN, GSTN, Registration Certificate with CPWD, State PWD or any other approved government agency with authorized signature and seal of the agency on previous occasions to our Institute then such documents may not be required to be re-submitted again . In this condition only bid rate document properly filled may be enclosed.
7. Director, CIAE, Bhopal has every right to extend the date of submitting the quotation.
8. Any quotation received after the date of submission mentioned in the notice of inviting quotation shall be rejected and returned unopened to the quote/contractor.
9. The contractor shall be entirely responsible for the security and safety of persons employed by him at the cite or premises.
10. During the work, the contractor shall be responsible for any loss caused by its worker to the Institute and shall be recovered from the bill.
11. The payment will be made within reasonable time say 30 days after completion of work. No part payment will be made to the contractor. Since the mode of payment will be e-payment system, hence bank account Number and name of the Bank with location and IFSC code No. of Bank may be mentioned in the quotation positively.
12. The Director, CIAE, has the right to cancel awarded work if the contractor fails to perform jobs specified in the work order.
13. Bidders have to sign a Bid securing declaration as per Rule 170 of GFR 2017 and order of Ministry of Finance OM No F 9/4/2020 PPD dated 12.11.2020.

**Bid Security Certificate:** - I/We hereby accept that I/We will not withdraw or modify Bid furnished during period of validity of the Limited Tender for "Repair of plastic shed on the corridors pergola at Research Workshop, Khand-I & II and ATIC".

(Signature & Seal)

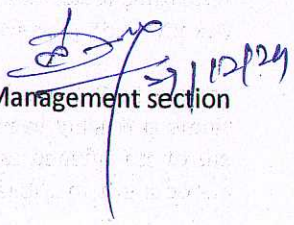
*Agarsai*

For M/s \_\_\_\_\_



14. Within 09 (Nine) days after the issue of notification of award (i.e. work order) by the contractor, the successful bidder is required to submit 5% performance security of the value of contract/order in the form of account payee DD in favour of ICAR Unit CIAE, Bhopal from a commercial issued Bank, as per Rule 171 of GFR 2017 and order of Ministry of Finance OM No. F9/4/2020-PPD dated 12.11.2020.
15. Payment of bill will be made only after successful completion of the work and satisfactory test report.
16. If the contractor does not care to improve its performance in a reasonable time in spite of written/verbal instruction and warning. The decision of the Director, CIAE shall be final. If the contractor fails to execute /start the work after the issue of work order, Director CIAE reserve the rights to debar the firm from enplanement.
17. If any interpretation of rules/provision arises, the decision of the Director, CIAE is final and shall be bound to accept by the contractor.
18. Director, CIAE reserves every right to accept or reject the quotation without any reasons thereof.
19. The work should be carried out as per CPWD specification as per Annexure-I
20. All dispute subject to Bhopal jurisdiction only.
21. All communications must be addressed to the undersigned by Designation only and not by name.
22. All the tools required for completion of work will be arranged by the contractor.
23. TDS will be deducted as per rules.
24. Loss and/or damages. In case of any loss or damage done to the property of the Institute and Krishi yantra Colony by the personnel provided to the Institute by the Contractor for labour service contract for civil work at this Institute, the full damages will be recovered from the contractor.
25. The labour contractor agrees to discharges their entire legal as well as other obligation in respect of their employees in respect of their wages and other service conditions and shall also comply with all the rules and regulations and provision of law in force that may be applicable to them from time to time. Statutory obligations under contract labour (Regulation and Abolition Act), 1970, Workmen's Compensation Act. EPF and MP Act. Industrial Dispute Act etc. The Labour contractor agrees to indemnify and keep indemnified the Institute from any claims loss or damages that may be used to the institute on account of the labour contractor failure to comply with their obligations under the various law towards their staff/employees by them for any loss or damage to the institute due to acts/omissions of the contractor.
26. The contractor shall be responsible to give the minimum wages to the laborers as per the Govt rate as amended from time to time including all other fringe benefits as per labour laws of Govt of India. It is amply and mutually agreed that the institute shall not be responsible for any welfare measures benefits etc to the laborers and that the institute shall not be responsible for any untoward incident/casualty of the laborers during their engagement in the activities work.
27. Institute will not responsible for unloading, handling, storing staking of the material at site.
28. The contractors shall produce a shelf declaration for non-black listing/suspension for the agency as per the enclosed in Annexure-II.

Your faithfully,

  
I/c, Estate Management section

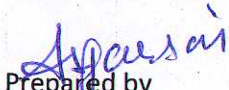
**Copy to:**

1. Chairman, IWC for kind information please.
2. AAO (P-II) for publishing the limited tender in CPP Portal.
3. In-charge, AKMU for uploading in CIAE Website, with soft copy.
4. PS to CAO for kind information of the CAO, ICAR-CIAE, Bhopal please.
5. Notice board
6. Guard file



**Repair of plastic shed on the corridors pergola at Research Workshop, Khand-I & II and ATIC**

Sr. No.	Item	Qty.	Unit	Rate	Amount (in rupees)
1.	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	187	kg		
2.	Providing and fixing mild steel round holding down bolts with nuts and washer plates, J Hooks complete.	45	kg		
3.	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	120	sqm		
4.	Providing and fixing polycarbonate profile sheets 8 mm thickness ,should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 4-12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	365	sqm		
5.	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) UV stabilised 4/2 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water including all necessary fittings .	99	sqm		
6.	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	2	cum		
7.	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	50	sqm		
8.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	1.5	cum		
9.	Providing and applying fibre reinforced elastomeric liquid water proofing membrane with resilient acrylic polymers having Sun Reflectivity Index (SRI) of 105 on top of concrete roof in three coats @10.76 litre/ 10 sqm. One coat of self-priming of elastomeric waterproofing liquid (dilution with water in the ratio of 3:1) and two coats of undiluted elastomeric waterproofing liquid (dry film thickness of complete application/system not less than 500 microns). The operation shall be carried out after scrapping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	90	sqm		
10.	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	80	sqm		
11.	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	150	sqm		
				Total Rs.	

  
 Prepared by  
 Er. AS Parsai  
 TA (Civil), EMS



## PART - V

### LIST OF APPROVED MATERIALS (CIVIL)

**Note :**

1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of approved materials attached in the tender, shall be used in the work.
2. The Contractor shall obtain prior approval from the Engineer-in-charge before placing order for any specific material/ Brand/ Make.
3. Whenever the specified brand of material is not available than, the Engineer-in-charge may approve any material equivalent to that specified subject to proof being offered by the Contractor for its equivalence and its non-availability to his satisfaction.
4. If any brand which have been approved by the Director, CIAE till the date of last date of submission of respective tender shall be deemed as approved brand even if it has not been mentioned in approved brand or make in the NIT.

**MATERIALS:**

**BRAND/MAKE**



1.	AAC Block	Aerocon, Ultratech, Ecolite, Concretite, BILTECH, Dlite Blocks, Orillite – Kota, E-Crete
2.	AAC Block Adhesive	Ferrous crete(Ferro-1188), ARDEX ENDURA (White Star), Ultratech (Fixo-Block), Berger Home Shield
3.	(a) Acrylic Exterior paint	Apex Ultima of Asian Paints, Weather Coat all Guard of Berger, Weather Shield Max of Dulux
	(b) Acrylic Emulsion paint	Royal Luxury Emulsion of Asian Paints, Silk Luxury emulsion of Berger Paint, Velvet touch emulsion of Dulux.
	(c) Acrylic Distemper	Royal Luxury Emulsion of Asian Paints, Silk Luxury emulsion of Berger Paint, Velvet touch emulsion of Dulux.
	(d) Synthetic Enamel Paint	Apcolite of Asian Paint, Luxol of Burger Paint and Dulux Paint.
4.	Epoxy Adhesive	FOSROC, Aquomix , Choksey, BAL-ENDURA, Berger Paints India Ltd.
5.	Aluminium Composite Panel	Alpolic, Aluco Bond, Reynobond, Euro bond, Alstrong, Aludecor.
6.	Aluminum Door window hardware (ISI Mark only)	Shalimar, Archie, Classic(ISI)
7.	Aluminium Extrusions / sections	Hindalco, Indian Aluminium Co., Jindal
8.	Annealed Float Glass	Saint Gobain, Modi Guard, Asahi
9.	Auditorium Chairs/ Furniture	Godrej, Wipro, Methodex, Bonton, Penworker, Durian, Harman Miller, Featherlite, Haworth & Geeken
10.	Bitumen	Indian Oil, Hindustan Petroleum, Bharat Petroleum
11.	Calcium Silicate Board / Tiles	Aerolite, Hilux, Starpan
12.	CC Pavers / Grass Pavers*	Nitco, Ultra, KJS Concrete, Duracrete, Mehtab Tiles, Kaptim, Khalsa, Dalal
13.	Centrifugally Cast Iron Pipe & Fittings	NECO, SKF, BIC, RIF, KAPILANSH, HIF, Electrosteel,
14.	C.I. Hubless pipe	SKF, NECO, Kapilansh
15.	Ceramic Tiles	Kajaria, Somany, Nitco, Johnson, RAK Ceramics
16.	Chequered	Dura, Eurocon, Modern, Hindustan, Johnson, NITCO
17.	CI Manhole Cover	SKF, NICO, Hepco, Kapilansh
18.	CI Double flanged non-return valves	Kirloskar, Sant, Kartar
19.	CI / SCI Spun pipes and fittings	NECO, HEPKO, Bengal Iron Corporation, Kapilansh
20.	Cover Block	Khalsa, Balaji, Simcom
21.	CP fittings	Jaquar, Marc, Kohler, Hindware , Shakti, Prayag Polymers(P), Ltd.
22.	CPVC Pipes & Fittings	Astral , Ashirvad, Prince, Supreme, Finolex, VECTUS , Prayag
23.	CRCA Steel sheet	TATA, Jindal, Sail
24.	Curtain Carrier / Drapery Rod	Marvel, Vista levlor, Johnson.
25.	Dash fastener, Expansion Bolt	Hilti, Bosch, Fischer
26.	Hydraulic Door closer, Floor springs	Dorma, Hettich, Hafele, dorset, Hardwin, kelvin, Godrej
27.	Ductile Iron Pipe (Water Supply)	Electro steel, Kesoram, Electro Spun, TATA DUCTURA, Swastic
28.	EPDM Gasket	Hanu, Anand, Lescuyer
29.	GRC	Unistone, Dalal, Swastic
30.	Epoxy Grouting Compound	Pidilite, Ferrous Crete(Ferro-102), MYK- LATICRETE, Berger Paints India Ltd., Ultratech
31.	Epoxy Primer & Paints	Berger, Pidilite, CICO, BASF, SIKA, Asian Paints
32.	Elastomeric Antifungal Exterior Paint	Ultima of Asian Paints, Weathershield of ICI Dulux, Alguard of Berger
33.	Fire Check door	Navair, Godrej, Shakti
34.	Float Glass Mirror	Modifloat, Saint Gobain, Asahi, TATA float
35.	Flush Doors (ISI Mark only)	Century, Archid, Greenply, Marino, Duro, Jayna, Gujcon, Durian, A1 flush door, M.P. Wood
36.	Friction Stay	Albihari, Geze, Hettich, Securistyle, Ebc
37.	Galvanized/Stainless Steel Anchor Fasteners	Shakti, Arrow, Hilti, Fischer
38.	GI Pipe & fittings	Tata, Zenith, Jindal, Prakash Surya, Swastik
39.	GI Sheet	Sail, TATA, Jindal, National, Bhushan
40.	Geotextile	Manas, Osian, Wadhwa
41.	Gun Metal Gate Valve , Ball valve	Zoloto, Leader, SANT
42.	Glass Mosaic Tile	Bisazza, Italia, Palladio, Mridul
43.	Gypsum Board (False Ceiling)	Boral Gypsum, India Gypsum, Saint- Gobain
44.	Gypsum Plaster	Asian Paints, Fosroc, BASF, Sika, Saint-Gobain, Pidilite



45.	FRP Door	Fiberways, Jayna, Shiv Shakti
46.	Hardener	Hardcrete of Snowcem India, Pidilite, CICO., Berger Paints India Ltd.
47.	HDPE Pipes	VECTUS, Emco, Polyfins, Pioneer, Plyfab, Jain Irrigation, Kissan
48.	Jet Assembly for EWC/Health Faucet	Parryware, Jaquar, Marc, Hindware
49.	Kitchen loft tank	Sintex, Tirupati Structural Ltd, KMS Plast world P.Ltd. Planet Plastics, Sri Kamakshi Traders, Sreyah Novel Inc.
50.	Kerb Stone	Mehtab, Hindustan, Concreto, Kaptim, K.K., Khalsa
51.	Laminate and Veneers	Merino, Greenlam, Formica, Kitlam, Durian
52.	Locks / Latch	Godrej, Harrision, Dorma, Yale, dorset, Hafele
53.	Marine Plywood / BWP Ply/Plywood	Duro, Century, Kitply, Greenply, Archidply
54.	Melamine Polish	Asian Paints, Pidilite, ICI Dulux, Berger
55.	Metal False Ceiling	Nitobond, Armstrong, Trac, Durlum, Lafarge, Anutone, Hunter Douglas, Hi-steel
56.	Mineral Fibre/ GRG Ceiling	Armstrong, Daiken, Anutone, Diamond, Credence
57.	M.S. Pipe (Railing)	Jindal, Tata, RINL, Prakash Surya, Apolo
58.	M.S. Tubes	SAIL, Tata, Apolo, Prakash Surya, RINL, JSW and JSPL
59.	Multi-coat Synthetic Plaster/ Textured Exterior wall paint	Spectrum, Heritage, Ultratech, Asian Paints, Berger Paints India Ltd.
60.	PL.AL.PL. Pipes	Kitech, Vectus, Jindal
61.	Polycarbonate Sheet	Bayer, Macrolux, Danpalon, DPI Daylights, Fibreways
62.	Polysulphide / Silicon Sealant	Pidilite, Fosroc, Tuffseal, Berger Paints India Ltd.
63.	POP (Plaster of paris)	JK-Laxmi, Sriram Nirman, Sakarni
64.	PPR Pipes	SFMC, SAFE, Poineer Industries, Vectus
65.	Precast CC interlocking Tiles	Hindustan, Paver India, KK, Dalal, Unistone
66.	Pre-coated Profile Sheet	Tata, Bhushan (Jindal), National, Jindal
67.	Pre-laminated Particle Board	Ecoboard, Action-Tesa, Duro, Century Ply, Greenlam
68.	Pressed steel door frame	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Jangid Engineering Works, Jaipur, M/s Swastik Super Industries, Mohali, M/s SKS Steel Industries, New Delhi.
69.	PTMT Water supply fittings	Prayag, Polytuff, Estylo, Plasto, Shakti
70.	PVC Cistern	Steelbird, Jindal, Prayag, Commander, Shakti, Jaquar, Hindware
71.	PVC Connection Pipe	Supreme, Prince, Finolex
72.	PVC Rain Water Pipe & Fitting (SWR) Pipes	Finolex, Kisan, Kasta, Supreme, Astral, Prince, Vectus
73.	PVC Shutter	Polygreen, Rajshri, Plastogreen, Sintex
74.	PVC Water storage Tank (Only ISI)	VECTUS, Water well, Plasto, Sintex, Gangotri
75.	Ready Mix Concrete (RMC)	ACC, L&T, Grasim, Ultratech, RMC Ind, Supermax
76.	Ready Mix Plaster	Ready Plast (Ultratech), Silico Plast, Perma Plast, Insta Plast
77.	Road Safety Products	Shakti or equivalent
78.	Rust Remover	Perma, Sunanda, Dr. Fixit, Fosroc, Sika
79.	SBR Polymer	Perma, Sika, Roff Bond, Fosroc
80.	Sluice Valve	Kirloskar, Venus, Kalpana, SANT, KARTAR, Zoloto
81.	Solid PVC frames and shutters	Polygreen, Rajshri, Plastogreen, Sintex
82.	Stainless Steel	Jindal, Salem or equivalent
83.	Stainless steel Sink with or without Draining board.	Nirali, Hindware, Frankee, Neelkanth, Jaquar, Prayag
84.	Stainless steel Door/Window fittings & Fixtures	Dorset, Prayag, Dorma, Ozone, Hettich, Kich, Geze
85.	Structural steel section	TATA, SAIL, RINL, JSW Steel Ltd., Jindal Steel & Power Ltd. (JSPL)
86.	Super plasticizer / admixture	Sika, Fosroc, Chouksey Chemicals, BASF, Asian Paints, Berger Paints India Ltd.
87.	Tactile	Somany, Johnson, Dura, Dalal & NITCO
88.	Tensile Fabric	Bluestone, Encon, Structure Flex
89.	Telescopic Drawer Channels	Godrej, Hetich, Ebco
90.	Tile Adhesive	Ferrous Crete(Ferro-1122), Ardex Endura (Gold Star), PIDILITE (Fevimate XL),WEABR(Saint-Gobin) Sika, Thermoshield, Asian Paints, Berger Paints India Ltd., Ultratech (tile-fixo)
91.	Towel Ring/Towel Rod/Towel Rack	Marc, Jaquar, Kohler, Grohe, Hindware, Prayag



92.	Tubular Seallar Window/ M.S. Tubular Window	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Swastik Super Industries, Mohali (Punjab) M/s Jangid Engg. Jaipur
93.	UPVC Pipes & Fittings	Astral, Flowguard, Ashirvad, Prince, Supreme, Finolex, VECTUS, Prayag
94.	Urinal, Washbasin, Orrisa Pattern W.C., Wall mounted European W.C. Seat with Cistern	Hindware, Parryware, Jaquar, Cera, Kohler, Grohe
95.	Vitrified Tile, Rectified Tile	Johnson, Marbonite, Somany, Kajaria, NITCO, RAK
96.	Wall Putty	JK, BIRLA, SARAPUTTY, Asian Paints, Berger Paints India Ltd
97.	Waste Pipe	Kamal, Viking, Jaquar
98.	Water Proofing Compound (Liquid)	Pidilite, Cico, Impermo, Fosroc, BASF, Ardex Endura, Sika, Asian Paints, Berger Home Shield.
99.	Water Proofing membrane- PU based	Asian Paints, Berger Home Shield or equivalent
100.	White Cement	JK White, Birla White, Grasim
101.	Wire Meshdoor	A-1 Teak, Century, Greenply, M.P. Wood, Durian
102.	Wooden Frames	A-1 Teak, Century, Greenply, M.P. Wood, Durian
103.	Wooden Flooring	Armstrong, Squarefeet, Action Tesa, Vista
104.	Wood polymer composite (WPC) Door frames and shutters	Sintex, Rajshri, Plastiwood, Alstone, Polygreen
105.	UPVC Windows	Fenesta, Aluplast, Kommerling, Duraplast
106.	Metal Fire Check Doors	Shakthi Hormann, Steeltech, MPP, ASES(Agni Suraksha) & Navair
107.	Non-Metallic Fire Check Doors	Tata Prवेश, Promat, Godrej, Shakthi Hormann, ASES(Agni Suraksha) & Navair
108.	<b>Auditorium Related Material</b>	
109.	Fibre-Glass Acoustical Suspended Ceiling	Knauf, Armstrong, Himalayan, Acoustic Hunter Douglas
110.	Woven Vinyl Carpet	Vibrant Floors, Nox, 2Tec2
111.	Acoustic wall panel	Knauf, Armstrong, Himalayan, Acoustic Hunter Douglas
112.	Channelled Perforated Wall Panels	Knauf, Armstrong, Himalayan, Acoustic Hunter Douglas
113.	Auditorium Seating PU Padded	Piero, Godrej, Mapeloak

\* Paver blocks produced at site under controlled condition may also be allowed after approval of Engineer-in-charge

**Note : 1) In case approved make for any material/item is not specified in the Tender, the decision of finalizing a particular brand shall rest with Incharge, EMS, CIAE ,Bhopal or his successor there off.**

**2) In case of non-availability of a particular material/item from specified manufacturers/makes, the decision of Incharge, EMS, CIAE ,Bhopal or his successor there off in selection of alternate manufacture/ make is final.**

Incharge, EMS

