



भा.कृ.अनु.प.-केन्द्रीय कृषि अभियांत्रिकी संस्थान

नबीबाग, बैरसिया रोड भोपाल – 462 038

ICAR-Central Institute of Agricultural Engineering

NabiBagh, Berasia, Road, Bhopal- 462 038 (M.P.)

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



एफ.सं.:F.No.: CIAE/EMS/WS- 139 /2025-26

By Speed Post / स्पीड पोस्ट द्वारा

Dated: 05.03.2026

To/प्रति,

Sub: Extended time for "Erection of experiment structure using rice husk ash based bricks at energy enclave for research under CRP on NF" -reg.

विषय: समय सीमा वृद्धि "एनएफ पर सीआरपी के तहत अनुसंधान के लिए ऊर्जा एन्क्लेव में चावल की भूसी की राख से बनी ईंटों का उपयोग करके प्रायोगिक संरचना का निर्माण" - हेतु

महोदय,

उपरोक्त सीमित निविदा प्रक्रिया के क्रम में, निदेशक महोदय ने पूर्व द्वारा दिए गए प्रारूप में भरे हुए निविदा पत्र जमा करने की अंतिम तिथि को पाँच (05)दिनों के लिए बढ़ाकर 10 मार्च 2026 तक करने की स्वीकृति प्रदान की है।

अतः आपसे निवेदन है कि कृपया क्रमांक: CIAE/EMS/WS-139/2025-26 दिनांक: 09.02.2026 के अनुसार सीमित निविदा प्रक्रिया में भाग लें।

सादर धन्यवाद।

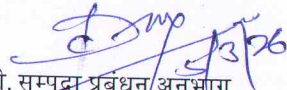
Dear Sirs,

In continuation to our above limited tender enquiry the Director has been pleased to grant an extension to the last date of submission of filled in quotation in the already provided format by **five (05) days, i.e., up to 10th March 2026.**

Your therefore request to kindly participate in the limited tender enquiry as per **F.No.: CIAE/EMS/WS- 139/2025-26 Dated: 09.02.2026.**

Best regards.

Your faithfully/भवदीय,


प्रभारी, सम्पदा प्रबंधन अनुभाग
I/c, Estate Management section

**Erection of experiment structure using Rice Husk Ash Based Bricks at Energy Enclave for
research under CRP on NF**

S.NO.	ITEM	QTY.	UNIT	RATE	AMOUNT
1.	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.	75	sqm		
2.	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	30	cum		
3.	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	25	cum		
4.	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	16	cum		
5.	Centering and shuttering including strutting, propping etc. And removal of form for 5.9.3 Suspended floors, roofs, landings, balconies and access platform	120	sqm		
6.	Other miscellaneous work	1	No.		
7.	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)	9	cum		
8.	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing: 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).	12	cum		
9.	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. 5.22A.6 Thermo-Mechanically Treated bars of grade Fe-500D or more.	1850	kg		
10.	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	4	cum		
11.	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :6.3.1 With F.P.S.(non modular) bricks	16	cum		
12.	Providing and installing flush door (2.2 M X 1.1M) with frame	03	Nos.		
13.	Providing and installation flush window (Ventilation) (0.6 M X 0.6M) with frame	03	Nos.		
				GST	
				Total Rs.	
				G. Total Rs.	

Prepared by Nitin Kumar
Technician, T-1, EMS

sdj

PART-V

LIST OF APPROVE DMATERIALS (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	MATERIALS:	BRAND/MAKE
1	AAC Block	Aerocon, Ultratech, Ecolite, Concelite, BLTECH, 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	FOSROK, 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, Heppo, Kapilansh
18	CI Double flanged non-return valves	Kirloskar, Sant, Kartar
19	CI / SCI Spun pipes and fittings	NECO, HEPCO, 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, Ebco
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, SriramNirman, Sakarni
64	PPR Pipes	SFMC, SAFE, Poiner 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), SilicoPlast, PermaPlast, InstaPlast
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), ArdexEndura (Gold Star), PIDILITE (Fevimate XL), WEABR(Saint-Gobin) Sika, Thermoshield, Asian Paints, Berger Paints India Ltd., Ultratech (tile-fix)
91	Towel Ring/Towel Rod/Towel Rack	Marc, Jaquar, Kohler, Grohe, Hindware, Prayag
92	Tubular Seallar Window/ M.S.	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Swastik Super Industries, Mohali (Punjab) M/s JangidEngg. Jaipur
93	Tubular Window	Astral, Flowguard, Ashirvad, Prince, Supreme, Finolex, VECTUS, Prayag
94	UPVC Pipes & Fittings	Hindware, Parryware, Jaquar, Cera, Kohler, Grohe
95	Urinal, Washbasin, Orrisa Pattern W.C., Wall mounted European W.C.Seat with Cistern	
96	Vitrified Tile, Rectified Tile	Johnson, Marbonite, Somany, Kajaria, NITCO, RAK
97	Wall Putty	JK, BIRLA, SARAPUTTY, Asian Paints, Berger Paints India Ltd
98	Waste Pipe	Kamal, Viking, Jaquar
99	Water Proofing Compound (Liquid)	Pidilite, Cico, Impermo, Fosroc, BASF, ArdexEndura, Sika, Asian Paints, Berger Home Shield.
100	Water Proofing membrane- PU based	Asian Paints, Berger Home Shield or equivalent
101	White Cement	JK White, Birla White, Grasim
102	Wire Meshdoor	A-1 Teak, Century, Greenply, M.P. Wood, Durian
103	Wooden Frames	A-1 Teak, Century, Greenply, M.P. Wood, Durian
104	Wooden Flooring	Armstrong, Squarefeet, Action Tesa, Vista
105	Wood polymer composite (WPC) Door frames and shutters	Sintex, Rajshri, Plastiwood, Alstone, Polygreen
106	UPVC Windows	Fenesta, Aluplast, Kommerling, Duraplast
107	Metal Fire Check Doors	ShakthiHormann, Steeltech, MPP, ASES(Agni Suraksha) &Navair
108	Non-Metallic Fire Check Doors	Tata Pravesh, Promat, Godrej, ShakthiHormann, ASES(Agni Suraksha) &Navair
109	Auditorium Related Material	
110	Fibre Glass Acoustical Suspended Ceiling	Knauf, Armstrong, Himalayan, Acoustic Hunter Douglas
111	Woven Vinyl Carpet	Vibrant Floors, Nox, 2Tec2
112	Acoustic wall panel	Knauf, Armstrong, Himalayan, Acoustic Hunter Douglas
113	Channelled Perforated Wall Panels	Knauf, Armstrong, Himalayan, Acoustic Hunter Douglas
114	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 thereof.

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.

For electrical items refer to list of approved makes as per CPWD.

Incharge, EMS

