

# भा.कृ.अनु.प.—केन्द्रीय कृषि अभियांत्रिकी संस्थान नबीबाग, बैरसिया रोड, भोपाल—462 038

# **ICAR-Central Institute of Agricultural Engineering**

Nabi Bagh, Berasia, Road, Bhopal- 462 Co3 (M.P.)

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



By Speed Post

F.No.: F.No. CIAE/EMS/WS-130/2024-25

Dated: 24.01.2025

To,

Sub: "Repair of boundary wall of PPC"-reg.

Dear Sirs,

On behalf of the Director, CIAE, Bhopal, I am to invite your lowest quotation for "Repair of boundary wall of PPC" from the civil/electrical contractors on invited tender enquiry as per the approved the list (registered with CPWD, State PWD or any other Lovt. 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-conformalties 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 "kepair of boundary wall of PPC".
- 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. 10.02.2025
- 6. The contractors who have already submitted documents like valid PAN, GSTN, Registration Certificate with CPWD, State PWD or any other approved government 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 boundary wall of PPC".

	(Signature & Seal)
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 17.1 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/casually 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

/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 boundary wall of PPC

1. Earth work in excavation by mechanical means (Hydraulic excavated) / manual means over areas including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. All kinds of soil cum dupto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. All kinds of soil cum dupto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. All kinds of soil cum dupto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. In cement mortar providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level: 1.1.5:3 (1 cement: 1.5 coarse sand (zone-lil) derived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 land and individual and complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.  1. Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.  2. Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar  2. Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.  2. CEMENT PLASTER (IN FINE SAND) 12 mm cement plaster of mix: 1:4 (1 cement: 4 fine sand).  3. Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)  3. Borring, Providing and install- ing cast in situ sing	S.No	Item	Unit	Qty	Rate	Amoun
Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge: In cement mortar  3. Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level: 1:1.5:3 (1 cement: 1.5 coarse sand (20ne-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from natural sources: 3 graded stone aggregate 20 mm nominal size de rived from	1.	means over areas including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-incharge. All kinds of soil				
excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size de rived from natural sources)  3. Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-5000 or more.  5. Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar  6. Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.  7. CEMENT PLASTER (IN FINE SAND) 12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand).  8. Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)  9. Boring, Providing and install- ing cast in situ single under reamed piles of specified dia. and length below pile cap in cement concrete: 300 mm dia. piles.  9. Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry with 150 mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS-2185 (Part 3) in super structure above plinth level up to floor vore level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).  9. Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) in	2.	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge: In cement mortar	cum	40		
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Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar  Centering and shuttering including strutting, propping etc. and removal of form work for: Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc  CEMENT PLASTER (IN FINE SAND) 12 mm cement plaster of mix: 1:4 (1 cement: 4 fine sand)  Finishing walls with Acrylic Smooth exterior paint of required shade: New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)  Boring, Providing and install- ing cast in situ single under reamed piles of specified dia. and length below pile cap in cement concrete: 300 mm dia. piles.  Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry with 150 mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to Is:2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved blcck laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).  Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete  Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / inding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	4.	placing in position and binding all complete upto plinth level. Thermo-	kg	1120		
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(Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)  Boring, Providing and install- ing cast in situ single under reamed piles of specified dia. and length below pile cap in cement concrete: 300 mm dia. piles.  Providing and laying Autoclaved Aerated concrete(AAC) blocks masonry with 150 mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum conforming to IS:2185 (Part 3) in super structure above plinth level up to floor V level with RCC band at sill level and lintel level with approved block laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).  Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete  Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / inding material to fill up interstices of coarse aggregate, watering and compacting to the required density.		4 fine sand)	sqm	140		
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level with RCC band at sill level and lintel level with approved blcck laying polymer modified adhesive mortar all complete as per direction of Engineer-in-Charge. (The payment of RCC band and reinforcement shall be made for seperately).  1. Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete  2. Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / inding material to fill up interstices of coarse aggregate, watering and compacting to the required density.  2. Providing filling and in the proportion of 1:2 (1 cement: e	0.	150 mm to 300 mm thick with Grade-1 AAC blocks of density 551 to 650 kg/cum	cum	30		
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jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete  2. Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / inding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	1	seperately).	, Some			
specifications in uniform thickness, hand picking, rolling with 3 wheeled road/vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / inding material to fill up interstices of coarse aggregate, watering and compacting to the required density.		jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete		50		
applying and brooming requisite type of screening / inding material to fill up interstices of coarse aggregate, watering and compacting to the required density.		specifications in uniform thickness, hand picking, rolling with 3 wheeled	cum.	24		
B. Providing filling and laying copra		applying and brooming requisite type of screening / inding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	6764789			
	3.	Providing filling and laying copra	Cum	16		E VIEW

Prepared by Er. AS Parsai STA (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, Concrelite, 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.	Cl Manhole Cover	SKF, NICO, Hepco, 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 Structurals 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 Dougla 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/	Spectrum, Heritage, Ultratech, Asian Paints, Berger Paints India Ltd.	
3/50	Textured Exterior wall paint	spectrum, nertage, ottrateen, Asian Faints, berger Faints india Eta.	
60.	PL.AL.PL. Pipes	Kitech, Vectus, Jindal	
61.	Polycarbonate Sheet	Bayer, Macrolux, Danpalon, DPI Daylights, Fibreways	
62.	Polysulphide / Silicon Sealant		
63.		Pidilite, Fosroc, Tuffseal, Berger Paints India Ltd.	
	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	
32.	Stainless Steel	Jindal, Salem or equivalent	
33.	Stainless steel Sink with or without	Nirali, Hindware, Frankee, Neelkanth, Jaquar, Prayag	
84.	Draining board.  Stainless steel Door/Window fittings	Dorset, Prayag , Dorma, Ozone, Hettich, Kich, Geze	
85.	& Fixtures Structural steel section	TATA CALL DINI ICAN Charling I'm Life, LC 2	
35. 36.	Structural steel section	TATA, SAIL, RINL, JSW Steel Ltd., Jindal Steel & Power Ltd. (JSPL)	
	Super plasticizer / admixture	Sika, Fosroc, Chouksey Chemicals, BASF, Asian Paints, Berger Paints India Ltd.	
37.	Tactile	Somany, Johnson, Dura, Dalal & NITCO	
38.	Tensile Fabric	Bluestone, Encon, Structure Flex	
39.	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.	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s		
	Tubular Window	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 PatternW.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 Pravesh, Promat, Godrej, Shakthi Hormann, ASES(Agni Suraksha) & Navair		
108.	Auditorium Related Material			
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		

<sup>\*</sup> 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 741173