



भा.कृ.अनु.प.-केन्द्रीय कृषि अभियांत्रिकी संस्थान
नबीबाग, बैरसिया रोड भोपाल – 462 038 (मध्य प्रदेश)
ICAR-Central Institute of Agricultural Engineering
Nabi Bagh, Berasia, Road, Bhopal- 462 038 (Madhya Pradesh)
Tel. 0755-2521021 Website:- <http://www.ciae.nic.in>

एफ.सं.:F.No.: CIAE/EMS/WS- 147/2026-27/400

By Speed Post / स्पीड पोस्ट द्वारा
Dated: 15.09.2026

To/प्रति,

Sub: Repair of Precision Farming Lab-reg.

विषय: प्रिसिजन फार्मिंग लैब की मरम्मत- हेतु
महोदय,

निदेशक, सीआईईई, भोपाल की ओर से, मैं अनुमोदित सूची (सीपीडब्ल्यूडी, राज्य पीडब्ल्यूडी या आईसीएआर-सीआईईई, भोपाल में किसी अन्य सरकारी एजेंसी के साथ पंजीकृत) के अनुसार सीमित निविदा पृष्ठताछ पर सिविल / इलेक्ट्रिकल ठेकेदारों से "प्रिसिजन फार्मिंग लैब की मरम्मत" के लिए नियमों और शर्तों का पालन करते हुए आपके न्यूनतम उद्धरण आमंत्रित करता हूँ,
Dear Sirs,

On behalf of the Director, CIAE, Bhopal, I am to invite your lowest quotation for "Repair of Precision Farming Lab" 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. दरें कार्य की निर्धारित अनुसूची पर प्रस्तुत की जानी चाहिए और अनुलग्नक-1 में अधिसूचित की जानी चाहिए तथा ठेकेदार को उस पर हस्ताक्षर करना चाहिए. यदि कोई कर देय हों तो उसे अलग से वर्णित किया जाना चाहिए अन्यथा यह मान लिया जाएगा कि दरों में सभी कर आदि सम्मिलित हैं।

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. प्रस्ताव में किसी भी प्रकार की ओवर राइटिंग /काट-छांट की अनुमति नहीं है। हालांकि, यदि कोई सुधार हो तो वह ठेकेदार द्वारा हस्ताक्षरित होना चाहिए। वर्णित दरों में अंकों और शब्दों या कुल/योग आदि के बीच असंगतता की स्थिति में, माल क्रय नियमावली 2017 (भारत सरकार) की धारा 7.3.2 के अनुसार नियम अपनाए जाएंगे।

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 adopte

3. कोटेशन को सील बंद लिफाफे में "प्रिसिजन फार्मिंग लैब की मरम्मत" का उल्लेख करते हुए भेजना होगा।
Quotation must be sent in a sealed cover envelope mentioning "Repair of Precision Farming Lab".

4. कोटेशन को पंजीकृत डाक/स्पीड पोस्ट/कूरियर के माध्यम से नियत तिथि के भीतर प्रभारी संपदा प्रबंधन अनुभाग, आईसीएआर-केन्द्रीय कृषि अभियांत्रिकी संस्थान, नबीबाग, बैरसिया रोड, भोपाल-462038 को भेजना होगा। कोटेशन को हार्थो-हाथ स्वीकार नहीं किया जाएगा।

Quotations must be sent through Registered Post/Post/Speed Post/Couriers to the In-Charge Estate Management Section, ICAR-Central Institute of Agricultural Engineering, NabiBagh, Berasia Road, Bhopal-462 038. Quotation will NOT be accepted by hand, before the last date.

5. कोटेशन को कोटेशन आमंत्रण सूचना की उल्लिखित तिथि से 15 दिन पहले अर्थात् 30.09.2026 शाम 5:30 PM तक प्राप्त हो जाना चाहिए।

The quotation must be received before 15 days time from the issue date of this quotation. Hence the last date of receiving of sealed quotation is 30.09.2026 before 5:30 PM.

6. जिन ठेकेदारों ने वैध पैन, जीएसटीएन, सीपीडब्ल्यूडी, राज्य पीडब्ल्यूडी या किसी अन्य अनुमोदित सरकारी एजेंसी के साथ पंजीकरण प्रमाण पत्र जैसे दस्तावेज पहले ही हमारे संस्थान में एजेंसी के अधिकृत हस्ताक्षर और मुहर के साथ जमा कर दिए हैं, उन्हें ऐसे दस्तावेजों को फिर से जमा करने की आवश्यकता नहीं होगी। इस स्थिति में केवल बोली दर दस्तावेज को ठीक से भरकर संलग्न किया जा सकता है।

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. निदेशक, सीआईईई, भोपाल को कोटेशन जमा करने की तारीख बढ़ाने का पूरा अधिकार है।
Director, CIAE, Bhopal has every right to extend the date of submitting the quotation.
 8. कोटेशन आमंत्रण नोटिस में उल्लिखित प्रस्तुत करने की तिथि के बाद प्राप्त कोई भी कोटेशन अस्वीकृत कर दिया जाएगा तथा कोटेशनकर्ता/ठेकेदार को बिना खोले वापस कर दिया जाएगा।
Any quotation received after the due date of submission mentioned in the notice of inviting quotation shall be rejected and returned unopened to the quote/contractor.
 9. ठेकेदार साइट या परिसर में उसके द्वारा नियोजित व्यक्तियों की सुरक्षा के लिए पूरी तरह से जिम्मेदार होगा।
The contractor shall be entirely responsible for the security and safety of persons employed by him at the site or premises.
 10. कार्य के दौरान, ठेकेदार अपने कर्मचारी द्वारा संस्थान को पहुँचाए गए किसी भी नुकसान के लिए जिम्मेदार होगा तथा उसे बिल से वसूला जाएगा।
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. भुगतान कार्य पूरा होने के 30 दिनों के भीतर उचित समय के भीतर किया जाएगा। ठेकेदार को कोई आंशिक भुगतान नहीं किया जाएगा। चूंकि भुगतान का तरीका ई-भुगतान प्रणाली होगा, इसलिए कोटेशन में बैंक खाता संख्या तथा बैंक का नाम, स्थान तथा आईएफएससी कोड संख्या का उल्लेख किया जाना चाहिए।
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. यदि ठेकेदार कार्य आदेश में निर्दिष्ट कार्य को निष्पादित करने में विफल रहता है, तो निदेशक, सीआईईई को दिए गए कार्य को रद्द करने का अधिकार है।
The Director, CIAE, has the right to cancel awarded work if the contractor fails to perform jobs specified in the work order.
 13. बोलीदाताओं को जीएफआर 2017 के नियम 170 और दिनांक 12.11.2020 के वित्त मंत्रालय के आदेश कार्यालय ज्ञापन संख्या एफ 9/4/2020 पीपीडी अनुसार बोली सुरक्षा घोषणा पर हस्ताक्षर करना होगा।
बोली सुरक्षा प्रमाणपत्र: - मैं/हम स्वीकार करते हैं कि मैं/हम " प्रिसिजन फार्मिंग लैब की मरम्मत " के लिए सीमित निविदा की वैधता की अवधि के दौरान प्रस्तुत बोली को वापस नहीं लेंगे या संशोधित नहीं करेंगे।
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 Precision Farming Lab".
- (हस्ताक्षर और मुहर)/(Signature & Seal)
- मेसर्स For M/_____ के लिए
14. ठेकेदार द्वारा अवार्ड (अर्थात कार्य आदेश) की अधिसूचना जारी होने के 09 (नौ) दिनों के भीतर, सफल बोलीदाता को जीएफआर 2017 के नियम 171 और वित्त मंत्रालय के आदेश ओएम संख्या एफ 9/4/2020-पीपीडी दिनांक 12.11.2020 के अनुसार, एक वाणिज्यिक बैंक से "आईसीएआर इकाई सीआईईई, भोपाल" के पक्ष में खाताधारक डीडी के रूप में अनुबंध / आदेश के मूल्य की 5% प्रदर्शन सुरक्षा राशि जमा करना आवश्यक है।
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. बिल का भुगतान केवल कार्य के सफलतापूर्वक पूरा होने और संतोषजनक परीक्षण रिपोर्ट प्राप्त होने के बाद ही किया जाएगा।
Payment of bill will be made only after successful completion of the work and satisfactory test report.

16. यदि ठेकेदार लिखित / मौखिक निर्देश और चेतावनी के बावजूद उचित समय में अपने प्रदर्शन में सुधार नहीं करता है तो निदेशक, सीआईई का निर्णय अंतिम होगा। यदि ठेकेदार कार्य आदेश जारी होने के बाद काम को निष्पादित / शुरू करने में विफल रहता है, तो निदेशक सीआईई द्वारा फर्म को प्रतिबंधित करने का अधिकार सुरक्षित रखते हैं।
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. यदि नियमों/प्रावधानों की व्याख्या सम्बन्धी कोई मुद्दा उत्पन्न होता है, तो निदेशक, सीआईई का निर्णय अंतिम होगा और ठेकेदार को इसे स्वीकार करना होगा।
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. निदेशक, सीआईई को बिना किसी कारण बताये हुए कोटेशन को स्वीकार या अस्वीकार करने का पूरा अधिकार है।
Director, CIAE reserves every right to accept or reject the quotation without any reasons thereof.
19. सौंपा गया कार्य कार्य अनुलग्नक-I में दिए गए सीपीडब्ल्यूडी विनिर्देशों के अनुसार किया जाना चाहिए।
The work should be carried out as per CPWD specification as per Annexure-I
20. सभी विवाद केवल भोपाल क्षेत्राधिकार की अदालतों के अधीन होंगे।
All dispute subject to Bhopal jurisdiction only.
21. सभी पत्र-व्यवहार अधोहस्ताक्षरकर्ता को केवल पदनाम से संबोधित किए जाने चाहिए, नाम से नहीं।
All communications must be addressed to the undersigned by Designation only and not by name.
22. कार्य पूर्ण करने के लिए आवश्यक सभी उपकरणों की व्यवस्था ठेकेदार द्वारा की जाएगी।
All the tools required for completion of work will be arranged by the contractor.
23. नियमानुसार टीडीएस काटा जाएगा।
TDS will be deducted as per rules.
24. हानि या क्षति। इस संस्थान में सिविल कार्य के लिए श्रम सेवा अनुबंध के तहत ठेकेदार द्वारा संस्थान को प्रदान किए गए कर्मियों द्वारा संस्थान और कृषियंत्र कॉलोनी की संपत्ति को किसी भी तरह की हानि या क्षति होने की स्थिति में, पूरी क्षति ठेकेदार से वसूल की जाएगी।
Loss and/or damages. In case of any loss or damage done to the property of the Institute and Krishiyantra 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. श्रम ठेकेदार अपने कर्मचारियों के वेतन और अन्य सेवा शर्तों के संबंध में अपने संपूर्ण कानूनी और अन्य दायित्वों का निर्वहन करने के लिए सहमत है और समय-समय पर उन पर लागू होने वाले सभी नियमों और विनियमों और कानून के प्रावधानों का भी पालन करेगा जैसे कि, ठेका श्रम (विनियमन और उन्मूलन अधिनियम), 1970, कर्मकार मुआवजा अधिनियम, ईपीएफ और एमपी अधिनियम के तहत वैधानिक दायित्व। औद्योगिक विवाद अधिनियम आदि। श्रम ठेकेदार संस्थान को किसी भी दावे, हानि या क्षति से क्षतिपूर्ति करने और क्षतिपूर्ति रखने के लिए सहमत है, जो कि श्रम ठेकेदार द्वारा अपने कर्मचारियों/कर्मचारियों के प्रति विभिन्न कानूनों के तहत अपने दायित्वों का पालन करने में विफलता के कारण संस्थान को ठेकेदार के कार्यों/चूक के कारण किसी भी नुकसान या क्षति के लिए इस्तेमाल किया जा सकता है।
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. ठेकेदार भारत सरकार के श्रम कानूनों के अनुसार अन्य सभी अतिरिक्त लाभों सहित समय-समय पर संशोधित सरकारी दर के अनुसार मजदूरों को न्यूनतम मजदूरी देने के लिए जिम्मेदार होगा। यह पर्याप्त रूप से और पारस्परिक रूप से सहमत है कि संस्थान मजदूरों के लिए किसी भी कल्याणकारी उपाय, लाभ आदि के लिए जिम्मेदार नहीं होगा और यह कि संस्थान गतिविधियों के दौरान मजदूरों को होने वाली किसी भी अप्रिय घटना/दुर्घटना के लिए जिम्मेदार नहीं होगा।

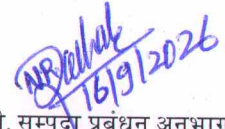
The contractor shall be responsible to give the minimum wages to the laborers as per the Govt rate as amended from time to time including all other fringe benefits as per labour laws of Govt of India. It is amply and mutually agreed that the institute shall not be responsible for any welfare measures 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. संस्थान साइट पर सामग्री की अनलोडिंग, हैंडलिंग, भंडारण और स्टैकिंग के लिए जिम्मेदार नहीं होगा।
Institute will not responsible for unloading, handling, storing staking of the material at site.

28. ठेकेदारों को अनुलग्नक-II में संलग्न अनुसार एजेंसी के लिए गैर-ब्लैक लिस्ट/निलंबन के लिए एक स्वघोषणा प्रस्तुत करनी होगी।
The contractors shall produce a shelf declaration for non-black listing/suspension for the agency as per the enclosed in Annexure-II.

29. कंस्ट्रक्शन साइट पर कार्य के दौरान सुरक्षा के उपाय अपनाए जाने चाहिए।
Safety majors should be used during the work at construction site.

Your faithfully/भवदीय,


16/9/2026

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

प्रतिलिपि /Copy to:

1. अध्यक्ष, आईडब्ल्यूसी को सूचनार्थ।
Chairman, IWC for kind information please.
2. सहा. प्रशा. अधिकारी (पी-II) को सीपीपी पोर्टल में सीमित निविदा प्रकाशित करने के लिए।
AAO (P-II) for publishing the limited tender in CPP Portal.
3. प्रभारी, एकेएमयू को सॉफ्टकॉपी के साथ सीआईआई वेबसाइट पर अपलोड करने के लिए।
In-charge, AKMU for uploading in CIAE Website, with soft copy.
4. मु.प्र.अ. के निजी सचिव को, मु.प्र.अ. आईसीएआर-सीआईआई, भोपाल के सूचनार्थ।
PS to CAO for kind information of the CAO, ICAR-CIAE, Bhopal please.
5. नोटिस बोर्ड /Notice board
6. गार्ड फाइल/ Guard file

REPAIR OF PRECISION FARMING LAB

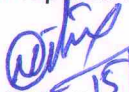
S.NO.	ITEM	QTY.	UNIT	RATE	AMOUNT
1.	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm	15	sqm		
2.	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab of colour Black, Cherry/Ruby Red or equivalent	25	sqm		
3.	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)	40	sqm		
4.	partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : Powder coated aluminium (minimum thickness of powder coating 50 micron	250	kg		
5.	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm)	20	sqm		
6.	Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/ structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600 Upto 5 mm depth and 5 mm width	40	metre		
7.	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete .	200	sqm		
8.	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	200	sqm		
9.	Wall painting with acrylic emulsion paint , having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour, Two coats .	200	sqm		
10.	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms	1	each		
11.	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	1	each		

12.	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : 510x1040 mm bowl depth 200 mm.	1	each		
13.	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	25	sqm		
14.	Providing and fixing PTMT door catcher of length 72 mm and dia. of 42 mm with suitable washers weighing not less than 33 gms.	10	each		
15.	Providing and fixing 19 mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS : 710 of approved brand boxes, shelves, racks, almirah, cupboard and drawer etc. including necessary nails, screws etc. complete as per direction of Engineer-in-charge.	25	sqm		
16.	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge. 200 mm	15	each		
17.	Providing and fixing stainless steel soft closing spring hinges at 0 degree hinges (hydraulic type) of approved make/brand to cupboard shutters with full threaded steel screws including making necessary recess in board and finished etc. complete as per direction of Engineer-in-charge.	15	each		
18.	Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per direction of Engineer-in-charge.	15	one set		
19.	Providing and fixing 2 mm thick 16 to 19 mm wide PVC edge binding tape of approved quality for cupboard/wardrobe shutters including necessary synthetic resin hot pressed to edges on binding machine etc. complete as per direction of Engineer-in-charge.	25	metre		
20.	Application of Rustic on interior wall of standard grade. Removal of old paint, proper cleaning of wall, application of Rustic (minimum thickness 2mm) and painting on final coat of rustic as per direction of Engineer-in-charge	30	sqm		
21.	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 2 x 1.5 sq.mm.	250	Meter		
22.	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 2.5 sq. mm.	220	Meter		
23.	Supplying and drawing following sizes of FRLS/HFFR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required. 3 x 4 sq. mm.	220	Meter		
24.	Supplying and fixing of following sizes of medium class PVC conduit along with	60	Meter		

	accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 20 mm				
25.	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 25 mm .	260	Meter		
26.	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required. 8 Module (125mmX125mm)	2	Each		
27.	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required. 12 Module (200mmX150mm)	4	Each		
28.	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	6	Each		
29.	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	22	Each		
30.	Installation, Testing and Commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS/HFFR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	8	Each		
31.	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	10	Each		
32.	Supply and fixing of UTP 4 pair CAT 6 LAN Cable in PVC conduit as required. 1 run Cable.	70	Meter		
33.	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Telephone socket outlet .	3	Each		
34.	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. As required. RJ-45,CAT,Computer outlet.	7	Each		
35.	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 6 way (4 + 18), Double door	2	Each		
36.	Providing and fixing following capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. As required. 32 A TP&N	1	Each		
37.	Providing and fixing following capacity TP&N disconnecter fuse switch unit inside the existing panel board with ISI marked HRC fuses including drilling holes in cubicle panel, making connections, etc. As required. 63 A TP&N	1	Each		
38.	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole.	35	Each		
39.	LED Panel light 2x2 ft. (System lumen efficacy≥120 <135 lm/Watt)Supplying, Installation, Testing & Commissioning of Panel light 2x2 ft., of following body material and construction as per IS : 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range -5 OC to 40 OC, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, IP20, CRI >80,UGR (Unified Glare Rating) <19, Flicker free,(flicker should be below 5 %), life time (LED, Driver& electrical circuitry), of minimum 50000 Burning Hours with , 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating	20	Each		

	and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. Complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. As required with Minimum 5 year OEM warranty. System lumen efficacy ≥ 120 <135 lm/Watt output .LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). 43 Powder coated die cast /Extruded aluminium Body (Thickness > 1.20 mm) 36 watt				
40.	Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal(Aluminium alloy) blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, suitable for operation with regulator for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 OC (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply, Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required. 1400mm, service value ≥ 6.0 CM/Min/Watt, air delivery 245 CM/Min (Minimum)	8	Each		
41.	Supply and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor armoured power cable of 1.1KV grade as required. 4*35 sq. mm (32mm)	50	Meter		
					Total Rs.
					GST@ %
					G.Total Rs.

Prepared by


15/09/26
Nitin Kumar
(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 then, 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, HEPSCO, 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	Albhart, 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, Kittlam, Durian
52	Locks / Latch	Godrej, Harrison, 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, Sakami
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, Franky, 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. Tubular Window	M/s Engineers & Fabricator, Raipur, M/s J.K. Enterprises, Jaipur, M/s Swastik Super Industries, Mohali (Punjab) M/s JangidEngg. 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, ArdexEndura, 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	ShakthiHormann, Steeltech, MPP, ASES(Agni Suraksha) &Navair
107	Non-Metallic Fire Check Doors	Tata Praves, Promat, Godrej, ShakthiHormann, 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

* 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.

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

Incharge, EMS

Signature
15/09/20