



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
देहरादून हवाई अड्डा, देहरादून
DEHRADUN AIRPORT, DEHRADUN

संख्या: भाविप्रा/देहरादून/अभि (सि)/ डी.वी.ओ.आर /2025/ 266

दिनांक: 25.08.2025

सेवा में,

मैसर्स एम बी इंटरप्राइजेज़,

1-218/9ए, सीवीडी लाइन,

सदर बाज़ार दिल्ली कैंट,

नई दिल्ली -110010

M/s M B Enterprises,

1-218/9A, CVD Line,

Sadar Bazar Delhi cantt,

New Delhi-110010.

विषय: देहरादून हवाई अड्डे पर नवीन डी.वी.ओ.आर भवन का निर्माण एवं अन्य संबंधित कार्य |

उपशीर्षक: सिविल एवं विद्युत कार्य |

Subject: Construction of DVOR building and other associated work at Dehradun Airport.

SH: Civil & Electrical works.

संदर्भ: आपकी ई-निविदा सं. 2025_AAI_232446_1 जो कि दिनांक 11.08.2025 को खोली गई |

Ref: Your E- Tender for bid no. 2025_AAI_232446_1 Opened on Dated: 11.08.2025.

प्रिय महोदय,

Dear Sir,

- आपके द्वारा उपरोक्त कार्य हेतु उद्धृत रु. 2,27,23,980.88 (जीएसटी रहित) (रुपये दो करोड़ सत्ताईस लाख तेईस हजार नौ सौ अस्सी और अठ्ठासी पैसे मात्र) की मद दर ई-निविदा, जो कि निविदा अनुमानित लागत रु 340.32 लाख (जीएसटी रहित) से 33.23% कम है, को अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है |
Your E- tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the Item Rates Quoted by you totalling to Rs. 2,27,23,980.88 (excluding GST) (Rupees Two Crore Twenty seven Lakh Twenty Three Thousand Nine Hundred Eighty and Eighty Eight Paise only) which is 33.23% below the estimated cost put to tender of Rs. 340.32 Lakhs (excluding GST).
- सहायक महाप्रबंधक (अभि-सिविल), भारतीय विमानपत्तन प्राधिकरण, देहरादून हवाई अड्डा, इस कार्य के कार्य प्रभारी अभियंता होंगे | आपसे अनुरोध है कि दिनांक 18.09.2025 तक सहायक महाप्रबंधक (अभि-सिविल), भारतीय विमानपत्तन प्राधिकरण, देहरादून हवाई अड्डा, के कार्यालय में उपस्थित हो कर संविदा को हस्ताक्षरित कर करारनामे को पूर्ण करें | संविदा करारनामा रु. 100/- (रुपये एक सौ मात्र) के गैर-न्यायिक मोहर पत्र पर संपादित किया जाएगा एवं मुद्रांक पत्र की कीमत आपके द्वारा वहन की जाएगी |

Assistant General Manager (Engg.Civil), AAI, Dehradun Airport, shall be the Engineer-in charge of the work. You are requested to attend the office of Assistant General Manager (Engg.Civil), AAI, Dehradun Airport, by 18.09.2025 to sign and complete the contract agreement. The contract agreement shall be executed on a non-Judicial stamp paper of value Rs. 100/- (Rs One hundred only) and the cost of the stamp paper shall be borne by you.

3. कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर सुरक्षा जमा राशि के रूप में संविदा राशि का 10 प्रतिशत जमा करें अन्यथा इस राशि की कटौती आपके चालु बिलों से कर ली जाएगी।

You are requested to deposit 10% amount of the tendered amount towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted from your running account bills.

4. आप से अनुरोध है कि संविदा श्रम (विनियम एवं उन्मूलन) अधिनियम 1970 तथा संविदा श्रम (विनियम एवं उन्मूलन) केंद्रीय नियम 1971 एवं न्यूनतम मजदूरी अधिनियम के प्रावधानों और केंद्रीय व राज्य सरकारों के तदसम्बन्धी नियमों का अनुपालन करें।

You are requested to comply with the provision of contract labour (Regulation & abolition) Act of 1970 and contract labour (Regulation & Abolition) Central Rules 1971 and minimum wages Act and Rules there of Central and state Govt.

5. आपको निर्देशित किया जाता है की कनिष्ठ कार्यपालक (अभि-सिविल), भाविप्रा, देहरादून हवाई अड्डा से संपर्क करें, जो की आपको कार्यस्थल (साइट) सौंपने की व्यवस्था करेंगे।

You are also directed to contact Jr. Executive (Engg-Civil) AAI, Dehradun Airport, immediately, who will arrange to hand over the site to you.

6. कृपया ध्यान दें कि कार्य पूर्ण करने की निर्धारित अवधि **06 (छः माह) (बरसात के मौसम के लिए 01 महीने सहित)** है जो की इस पत्र के जारी होने के दसवें दिन से मानी जाएगी।

Please note that the time allowed for carrying out the work shall be **06 (Six) Months (including 01 month for rainy season)** and the same shall be reckoned from the 10th day of issue of this letter.

7. संविदा के संबंध में किसी भी प्रकार का पत्राचार सामान्यतः कार्य प्रभारी अभियंता को संबोधित करते हुए किया जाना चाहिए।

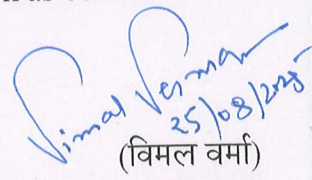
Any further correspondence in connection with the contract should normally be addressed to the Engineer In-Charge.

8. कृपया इस पत्र की संलग्न अनुलिपि को हस्ताक्षरित कर पावती अधोहस्ताक्षरी को स्वीकृत चिन्ह के रूप में वापस करने का कष्ट करें।

Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after duly signing it to the undersigned as a token of acceptance.

9. यदि इस पत्र में कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।

In case any discrepancy is found in this letter, then English version will be taken as correct.


(विमल वर्मा)

स.म.प्र.(अभि-सिविल,
भाविप्रा, देहरादून हवाई अड्डा,
वास्ते अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण

संलग्नक: अनुसूची-अ

Encl: Schdule-A

Item Rate BoQ

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Tender Inviting Authority: AGM (Engg-C), AAI, DEHRADUN AIRPORT

Name of Work: Construction of DVOR building and other associated work at Dehradun Airport.

Contract No: 2025_AAI_232446_1

Name of the Bidder/ Bidding Firm /	MB Enterprises
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PRICE SCHEDULE (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT In Words
1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 3 KM and for all lift, as directed by Engineer-in-Charge: All kinds of soil	4	5	13	53	55
2	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 3 KM and for all lift, as directed by Engineer-in-charge: All kinds of soil	3200.00	sqm	80.00	256000.00	INR Two Lakh Fifty Six Thousand & Paise Zero Only
3	Excavating trenches by mechanical / manual means of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 3KM: Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	210.00	Cum	200.00	42000.00	INR Forty Two Thousand & Paise Zero Only
4	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 3 KM and for all lift.	2040.00	Cum	110.00	224400.00	INR Two Lakh Twenty Four Thousand Four Hundred & Paise Zero Only
5	Earth work in excavation by mechanical / manual means and supplying the excavated earth (including royalty) by mechanical transport and banking the excavated earth in layers not exceeding 20cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads/ surrounding areas. Note: The rate includes all lead and all lift involves in excavation, supplying, banking, filling: All kinds of soil	11650.00	Cum	325.00	3766250.00	INR Thirty Seven Lakh Eighty Six Thousand Two Hundred Fifty & Paise Zero Only
6	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	21.00	Cum	1450.00	30450.00	INR Thirty Thousand Four Hundred Fifty & Paise Zero Only
7	Supplying, spreading and levelling of good earth (including royalty charges) including ramming and watering of the earth in layers not exceeding 20 cm within Airport premises, complete as directed by Engineer-in-Charge. Note: The rate includes all lead and all lift involves in supplying, spreading and levelling	1790.00	Cum	540.00	966600.00	INR Nine Lakh Sixty Six Thousand Six Hundred & Paise Zero Only
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	557.00	Cum	4500.00	2506500.00	INR Twenty Five Lakh Six Thousand Five Hundred & Paise Zero Only

9	Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using machine and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note: - Cement content considered in M-30 is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately. Cement concrete manufactured in automatic batching plant (RMC plant) i/c transportation to site in transit mixer	380.00	Cum	7050.00	2679000.00	INR Twenty Six Lakh Seventy Nine Thousand & Paise Zero Only
10	Providing and filling in position rubberized bitumen hot sealing compound for sealing of joints in roads / pavements all complete as per direction of the Engineer-in-Charge. Using grade 'A' sealing compound conforming to IS: 1834.	2010.00	er cm width f	5.80	11568.00	INR Eleven Thousand Six Hundred Fifty Eight & Paise Zero Only
11	Providing and fixing pre-moulded joint filler in expansion joints of RCC roads / CC pavements after making the joint dust free with high pressure air jet cleaners, all complete as per direction of the Engineer-in-Charge. (Pre-moulded joint fillers shall be made of bitumen hot sealing compound impregnated fibre board having impregnation more than 35%, conforming to IS: 1838 for fibre board and IS: 1834 for hot sealing bitumen compound grade A.)	200.00	er cm width f	3.60	720.00	INR Seven Hundred Twenty & Paise Zero Only
12	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base/ base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	380.00	Cum	1800.00	684000.00	INR Six Lakh Eighty Four Thousand & Paise Zero Only
13	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement, 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	40.00	Cum	6550.00	262000.00	INR Two Lakh Sixty Two Thousand & Paise Zero Only
14	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (1 Cement: 2 coarse sand (zone-II)) - 4 graded stone aggregate derived from natural sources 20 mm nominal size derived from natural sources)	190.00	Cum	5150.00	978500.00	INR Nine Lakh Seventy Eight Thousand Five Hundred & Paise Zero Only
15	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work, using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/ Ordinary Portland/ Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength, including pumping of concrete to site of laying, curing, carriage for all leads, but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works upto plinth level Concrete of M25 grade with minimum cement content of 330 kg /cum	140.00	Cum	6250.00	875000.00	INR Eight Lakh Seventy Five Thousand & Paise Zero Only
16	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work, using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana/ Ordinary Portland/ Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength, including pumping of concrete to site of laying, curing, carriage for all leads, but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 kg /cum	50.00	Cum	6700.00	335000.00	INR Three Lakh Thirty Five Thousand & Paise Zero Only
17	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	380.00	Sqm	265.00	100700.00	INR One Lakh Seven Hundred & Paise Zero Only
18	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform	150.00	Sqm	470.00	70500.00	INR Seventy Thousand Five Hundred & Paise Zero Only
19	Centering and shuttering including strutting, propping etc. and removal of form for Edges of slabs and breaks in floors and walls Under 20 cm wide	100.00	metre	140.00	14000.00	INR Fourteen Thousand & Paise Zero Only

20	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers	170.00	Sqm	400.00	68000.00	INR Sixty Eight Thousand & Paise Zero Only
21	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	180.00	Sqm	420.00	75600.00	INR Seventy Five Thousand Six Hundred & Paise Zero Only
22	Walls (any thickness) including attached plasters, buttresses, plinth and string courses etc.	360.00	Sqm	450.00	162000.00	INR One Lakh Sixty Two Thousand & Paise Zero Only
23	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.	19600.00	Kg	73.90	1448440.00	INR Fourteen Lakh Forty Eight Thousand Four Hundred Forty & Paise Zero Only
24	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more.	7200.00	Kg	73.90	532080.00	INR Five Lakh Thirty Two Thousand Eighty & Paise Zero Only
25	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)	40.00	Cum	6500.00	260000.00	INR Two Lakh Sixty Thousand & Paise Zero Only
26	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in. Cement mortar 1:6 (1 cement : 6 coarse sand)	50.00	Cum	6500.00	325000.00	INR Three Lakh Twenty Five Thousand & Paise Zero Only
27	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand)	20.00	Sqm	1100.00	22000.00	INR Twenty Two Thousand & Paise Zero Only
28	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	20.00	Sqm	72.00	1440.00	INR One Thousand Four Hundred Forty & Paise Zero Only
29	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS-15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.5kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	70.00	Sqm	1200.00	84000.00	INR Eighty Four Thousand & Paise Zero Only
30	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	10.00	Sqm	2365.00	23650.00	INR Twenty Three Thousand Six Hundred Fifty & Paise Zero Only
31	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN-12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be milled cut and fusion welded/mechanically joined duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain / toughened / laminated / double glass unit with / without high performance coatings as per design requirements and conforming to IS-3548 & IS-16231 shall be paid separately.	5.00	Sqm	7000.00	35000.00	INR Thirty Five Thousand & Paise Zero Only

Note: Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for:

(i) Sites with basic wind speed > 45 m/sec as per IS 875 – Part 3

(ii) Sites with structure height more than 20m for all wind speeds

Using R2 series with frame (40mm & above) x (40mm & above) x (50mm & above) x (50mm & above) with zinc alloy (zanaki) powder coated touch locks with hook (height upto 1.2 metre).

Vin

32	Providing and fixing factory made uPVC glazed wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide P46 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be milled cut and fusion welded/mechanically joined duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh: Glazing of plain/toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately. Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for : (i) Sites with basic wind speed > 45 m/sec as per IS 875 – Part 3 (ii) Sites with structure height more than 20m for all wind speeds Fixed window / ventilator with mullion / transom : Using R2 series with frame (39mm & above) x (39mm & above) & mullion (39mm & above) x (60mm & above) (Height upto 1.2 metre)	5.00	Sqm	7000.00	35000.00	INR Thirty Five Thousand & Paise Zero Only
33	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 300x16 mm	8.00	Nos	205.00	1640.00	INR One Thousand Six Hundred Forty & Paise Zero Only
34	Providing and fixing aluminium lower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 200x10 mm	8.00	Nos	70.00	560.00	INR Five Hundred Sixty & Paise Zero Only
35	Providing and fixing aluminium lower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 100x10 mm	8.00	Nos	45.00	360.00	INR Three Hundred Sixty & Paise Zero Only
36	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete : 20 mm dia	20.00	meter	258.00	5360.00	INR Five Thousand Three Hundred Sixty & Paise Zero Only
37	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	4.00	Each	765.00	3060.00	INR Three Thousand Sixty & Paise Zero Only
38	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	18.00	Each	45.00	810.00	INR Eight Hundred Ten & Paise Zero Only
39	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete	10.00	Each	50.00	500.00	INR Five Hundred & Paise Zero Only
40	Providing and fixing frame work for partitions wall lining etc. made of 50x50x1.6 mm hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically & horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall ceiling floors with steel dash fasteners of 6 mm dia, 75 mm long bolt, including making provision for opening for doors, windows, electrical conduits, switch boards etc., including providing with two coats of approved steel primer etc. complete, all as per direction of Engineer-in-Charge.	250.00	Kg	115.00	28750.00	INR Twenty Eight Thousand Seven Hundred Fifty & Paise Zero Only
41	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required	1080.00	Kg	117.50	126900.00	INR One Lakh Twenty Six Thousand Nine Hundred & Paise Zero Only
42	Providing and fixing stainless steel (Grade 304) railing made of hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-Charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc).	530.00	Kg	500.00	265000.00	INR Two Lakh Sixty Five Thousand & Paise Zero Only

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43	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand). Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	20.00	sqm	900.00	18000.00	INR Eighteen Thousand & Paise Zero Only
44	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 20mm 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	60.00	sqm	950.00	57000.00	INR Fifty Seven Thousand & Paise Zero Only
45	Providing and laying Vitrified 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 brand & manufacturer, in all colours and shades, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 600x600 mm	10.00	sqm	1000.00	10000.00	INR Ten Thousand & Paise Zero Only
46	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, 110 mm diameter	50.00	Mtr	250.00	12500.00	INR Twelve Thousand Five Hundred & Paise Zero Only
47	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Bend 87.5° 110 mm bend	20.00	Nos	100.00	2000.00	INR Two Thousand & Paise Zero Only
48	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 16 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawal plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm cc, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2085- (Part I) : 2011 (Board with BIS certification marks)	80.00	Sqm	1400.00	112000.00	INR One Lakh Twelve Thousand & Paise Zero Only
49	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	250.00	Sqm	270.00	67500.00	INR Sixty Seven Thousand Five Hundred & Paise Zero Only
50	15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)	250.00	Sqm	295.00	73750.00	INR Seventy Three Thousand Seven Hundred Fifty & Paise Zero Only
51	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	250.00	Sqm	200.00	50000.00	INR Fifty Thousand & Paise Zero Only
52	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 lit/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	280.00	sqm	140.00	39200.00	INR Thirty Nine Thousand Two Hundred & Paise Zero Only
53	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacturer, including applying additional coats wherever required to achieve even shade and colour. Two Coat	360.00	sqm	125.00	45000.00	INR Forty Five Thousand & Paise Zero Only
54	Painting with synthetic enamel paint of approved brand and manufacturer of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacturer	200.00	Sqm	110.00	22000.00	INR Twenty Two Thousand & Paise Zero Only
55	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.	610.00	Sqm	80.00	48800.00	INR Forty Eight Thousand Eight Hundred & Paise Zero Only

56	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS - 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required.	1.00	Nos	4450.00	4450.00	INR Four Thousand Four Hundred Fifty & Paise Zero Only
57	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	1.00	Nos	1520.00	1520.00	INR One Thousand Five Hundred Twenty & Paise Zero Only
58	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per ISI-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. Kitchen sink without drain board 610x510 mm bowl depth 200 mm	1.00	Nos	3350.00	3350.00	INR Three Thousand Three Hundred Fifty & Paise Zero Only
59	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plan & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 25 mm nominal dia Pipes	90.00	Metre	275.00	24750.00	INR Twenty Four Thousand Seven Hundred Fifty & Paise Zero Only
60	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plan & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 32 mm nominal dia Pipes	90.00	Metre	325.00	29250.00	INR Twenty Nine Thousand Two Hundred Fifty & Paise Zero Only
61	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plan & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 50 mm nominal dia Pipes	280.00	Metre	400.00	112000.00	INR One Lakh Twelve Thousand & Paise Zero Only
62	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	10.00	Each	400.00	4000.00	INR Four Thousand & Paise Zero Only
63	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore	10.00	Each	450.00	4500.00	INR Four Thousand Five Hundred & Paise Zero Only
64	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore	20.00	Each	700.00	14000.00	INR Fourteen Thousand & Paise Zero Only
65	Providing and fixing C.P. brass bib cock of approved quality conforming to IS 8931 : 15 mm nominal bore	2.00	Each	350.00	700.00	INR Seven Hundred & Paise Zero Only
66	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	2.00	Each	550.00	1100.00	INR One Thousand One Hundred & Paise Zero Only
67	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931 15 mm nominal bore	5.00	Each	390.00	1950.00	INR One Thousand Nine Hundred Fifty & Paise Zero Only
68	Providing and fixing health faucet of 'Jaquar'/'Cera' or approved equivalent make as per direction of Engineer-in-Charge	2.00	Each	1175.00	2350.00	INR Two Thousand Three Hundred Fifty & Paise Zero Only
69	Providing and fixing of CP liquid soap container of 'Jaquar'/'Cera' or approved equivalent make as per direction of Engineer in Charge.	1.00	Each	1650.00	1650.00	INR One Thousand Six Hundred Fifty & Paise Zero Only
70	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	Each	1100.00	1100.00	INR One Thousand One Hundred & Paise Zero Only
71	Providing and fixing stainless steel toilet paper holder of 'Jaquar'/'Cera' or approved equivalent make) fixed in position by means of C.P. screws and raw pulgcs embedded in the walls complete including cutting and making good the walls wherever required.	1.00	Each	1500.00	1500.00	INR One Thousand Five Hundred & Paise Zero Only
72	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32 mm dia	2.00	Each	80.00	160.00	INR One Hundred Sixty & Paise Zero Only
73	Providing & fixing of 100mm dia SS grating complete as per direction of Engineer-in-Charge.	3.00	Each	275.00	825.00	INR Eight Hundred Twenty Five & Paise Zero Only
74	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS - 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	1000.00	Ltr	8.00	8000.00	INR Eight Thousand & Paise Zero Only

75	Making soak pit 2.5 m diameter, 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	Each	18500.00	18500.00	INR Eighteen Thousand Five Hundred & Paise Zero Only
76	Dry stone pitching 22.5 cm thick including supply of stones and preparing surface complete.	290.00	Sqm	600.00	174000.00	INR One Lakh Seventy Four Thousand & Paise Zero Only
77	Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete 450 mm	200.00	Metre	1600.00	320000.00	INR Three Lakh Twenty Thousand & Paise Zero Only
78	Constructing masonry Chamber 120x120x100 cm inside in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), including necessary excavation, foundation concrete 1:3:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	6.00	Nos	16000.00	96000.00	INR Ninety Six Thousand & Paise Zero Only
79	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design. 100x100 mm size P type With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	6.00	Each	1840.00	11040.00	INR Eleven Thousand Forty & Paise Zero Only
80	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes conforming to IS:15801 UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP-R plan & brass threaded polypropylene random fittings, including trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. External work PN - 10 Pipe, 50 mm OD (SDR-11)	1080.00	Metre	530.00	572400.00	INR Five Lakh Seventy Two Thousand Four Hundred & Paise Zero Only
81	Providing and fixing PPR Unions	10.00	Each	300.00	3000.00	INR Three Thousand & Paise Zero Only
82	Providing and fixing in wall lining medium density fibre board (S. 14587-1998 marked, Pre-laminated one side decorative lamination and other side balancing lamination as approved by Engineer-in-Charge, with necessary fixing arrangement and screws etc. complete. 12 mm thick.	80.00	Sqm	750.00	60000.00	INR Sixty Thousand & Paise Zero Only
83	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick	30.00	Sqm	1400.00	42000.00	INR Forty Two Thousand & Paise Zero Only
84	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	20.00	Sqm	1450.00	29000.00	INR Twenty Nine Thousand & Paise Zero Only
85	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. (Granite for white grey colour or Equivalent) Area of slab upto 0.50 sqm	30.00	Sqm	3200.00	96000.00	INR Ninety Six Thousand & Paise Zero Only
86	Providing and fixing aluminium work for doors, windows, ventilators and 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, milled and jointed mechanically wherever required including cleat angle, Aluminium snap heading for glazing / paneling, 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). : For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868. Minimum anodic coating of grade AC 15)	100.00	Kg	335.00	33500.00	INR Thirty Three Thousand Five Hundred & Paise Zero Only

87	Providing and fixing aluminium work for doors, windows, ventilators and 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, milled and joined mechanically wherever required including cleat angles. Aluminium snap beading for glazing / paneling, 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). For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1858. Minimum anodic coating of grade AC 15)	150.00	Kg	410.00	61500.00	INR Sixty One Thousand Five Hundred & Paise Zero Only
88	Providing and fixing 12 mm thick pre-laminated particle board flat, pressed three layer or graded wood particle board conforming to IS: 12823 Grade I type II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides	10.00	Sqm	750.00	7500.00	INR Seven Thousand Six Hundred & Paise Zero Only
89	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 4.0 mm thickness (weight not less than 10kg/sqm)	10.00	Sqm	800.00	8000.00	INR Eight Thousand & Paise Zero Only
90	Providing and fixing factory made single extrude WPC(Wood Polymer Composite) solid plain white color board for backing of cup boards and bathroom /kitchen cabinets etc. of required size comprising of virgin polymer of K value 58-60 (suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk /wheat husk) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge) minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite /borer proof, water / moisture proof and fire retardant and fixing with stainless steel screws etc. all as per direction of Engineer-in- Charge . (Note: stainless steel screws shall be paid separately)	30.00	Sqm	1150.00	34500.00	INR Thirty Four Thousand Five Hundred & Paise Zero Only
91	Providing and fixing factory made single extrude WPC (Wood Polymer Composite) solid board one side white color and other side of board laminated with PVC foil of minimum 14 micron thickness of approved design pasted with hot melt adhesive for cup boards, work stations and bathroom/kitchen cabinet etc. of required sizes comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additive (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/ borer proof, water/moisture proof and fire retardant and fixing with stainless steel piano hinges/soft close clip on concealed hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-in- Charge. (Note: stainless steel piano hinges/soft close clip on concealed hinges and necessary S.S screws shall be paid separately)	30.00	Sqm	2100.00	63000.00	INR Thirty Three Thousand & Paise Zero Only
92	Providing and mixing integral crystalline admixture for water proofing treatment to RCC structures like basement raft, retaining walls, reservoir, sewage & water treatment plant, tunnels / subway and bridge deck etc. at the time of transporting of concrete into the drum of the ready-mix truck, using integral crystalline admixture @0.80% (minimum) to the weight of cement content per cubic meter of concrete) or higher as recommended by the manufacturer's specification in reinforced cement concrete at site of work. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e. by reducing permeability of concrete by more than 90%, compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure. The crystalline admixture shall be capable of self-healing of cracks up to a width of 0.50mm. The work shall be carried out all complete as per specification and the direction of the Engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.	100.00	Kg	265.00	26500.00	INR Twenty Six Thousand Five Hundred & Paise Zero Only
93	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 scraping and properly cleaning the surface to remove loose particles with wire brushes, complete in all respect as per the direction of Engineer-in-Charge.	100.00	Sqm	365.00	36500.00	INR Thirty Eight Thousand Five Hundred & Paise Zero Only
94	Providing and fixing soil, waste and vent pipes : 110 mm dia- Type B SWR pipe 6 kg pressure	210.00	Mtr	400.00	84000.00	INR Eighty Four Thousand & Paise Zero Only
95	Providing and fixing SWR bend of required degree with access door, insertion rubber washer 3 mm thick, solvent, bolts and nuts complete. 110 mm dia	10.00	Nos	95.00	950.00	INR Nine Hundred Fifty & Paise Zero Only

96	Providing the services of JCB with Driver and all necessary T&P safety tools etc. complete as per the directions of EIC.	120.00	Hours		1350.00		INR One Lakh Sixty Two Thousand & Paise Zero Only
97	Providing (Crane/Hydra) of capacity 15-17 Ton with boom not less than 50 feet for erection of Steel Structure at site minimum eight working hours per day i/c the cost of driver, diesel and other maintenance as per direction of Engineer-in-charge.	80.00	Hours		6500.00		INR Five Lakh Twenty Thousand & Paise Zero Only
98	Providing the services of labour (unskilled) for all necessary T&P safety tools etc. complete as per the directions of EIC.	240.00	Day		620.00		INR One Lakh Forty Eight Thousand Eight Hundred & Paise Zero Only
99	Survey with high precise Total Station instrument for newly DVOR Building along with officials of revenue department of state govt. Provision of two number MUV vehicles for transportation of personal and material. Supply of ample manpower to assist the team of officials like arrangement of total station equipment, provision of measurement tapes, chain, wooden pegs and manpower for holding chain/measurement tapes, provision of temporary wooden pegs and permanent pegs with flags/ranging rods, etc. all complete as per direction of Engineer in charge.	8.00	Day		20000.00		INR One Lakh Sixty Thousand & Paise Zero Only
100	Providing the services of extra labour for Survey (semi skilled) with all necessary T&P safety tools etc. complete as per the directions of EIC.	50.00	Day		650.00		INR Thirty Two Thousand Five Hundred & Paise Zero Only
101	Supplying Welder with Welding Machine Gas for various welding works i/c all accessories and material as per direction of Engineer-in-charge.	3.00	Day		2000.00		INR Six Thousand & Paise Zero Only
102	Supplying Welder with Welding Machine Arc for various welding works i/c all accessories and material as per direction of Engineer-in-charge.	7.00	Day		1500.00		INR Ten Thousand Five Hundred & Paise Zero Only
103	Providing and fixing 12mm x 150 mm anchor with chemical grouting minimum anchoring depth of 100mm with chemical @ 7 ML complete including drilling in RCC and all other consumables/ materials required during installation as per the direction of Engineer-in-charge. (HILLTUMERTH/FISCHER makes only)	150.00	Nos		450.00		INR Sixty Seven Thousand Five Hundred & Paise Zero Only
104	Preparation and submission of detailed structural design and drawings of DVOR building etc. complete as per scope of work including vetting through NIT/govt. institute as per direction of Engineer-in-Charge	1.00	Job		110000.00		INR One Lakh Ten Thousand & Paise Zero Only
105	Supply of 1.5 TR capacity inverter type split AC 5 star BEE rating with High EER Rotary compressor operating on R410A refrigerant with minimum EER of 4.5, Noise level < 35db, with stabilizer free operation on power supply of 230V, 50Hz at single phase with 1 year warranty on AC and extended warranty on compressor as per OEM. The condenser & evaporator coil shall be 100% copper and shall be supplied with all the accessories like remote control, connecting pipes, wire as per OEM.	9.00	Each		33470.00		INR Three Lakh One Thousand Two Hundred Thirty & Paise Zero Only
106	Installation, testing & commissioning of 1.5 Ton Split AC's i/c mounting of indoor unit & outdoor unit with supply & fixing of outdoor stand at their respective locations, laying refrigerant pipeline (concealed / on surface as directed by E-I-C) & insulation upto standard length on surface/ recess as required, connecting both the units, leak testing of entire system, connecting both indoor and outdoor units with three core 2.5 sq mm PVC insulated flexible copper (Cable supplied by AA) as per manufacturer's guidelines etc as required.	9.00	Job		1423.00		INR Twelve Thousand Eight Hundred Seven & Paise Zero Only
107	Providing & fixing of suitable size Copper Refrigerant piping (Supply & Return) for 1.5 Tr inverter type AC suitable for R410A/R32 type refrigerant on surface or in recess i/c chase cutting & backfilling with expanded polythene foam/kittie rubber insulation tubing covering with Aluminum foil tape on exposed pipe for Split type air conditioners etc as required. (Measurement of 1 r.mtr. will include both supply & return Cu. Piping with insulation excluding standard length supplied by OEM with AC unit).	50.00	Meier		652.00		INR Thirty Two Thousand Six Hundred & Paise Zero Only
108	Supply of 3 x 2.5 sqmm size & 1.1 KV grade FR PVC round sheathed copper (flexible) conductor unarmoured cable conforming to IS:694 with up to date amendments in the existing conduit (pipe/raceway) on surface as required (Measurement excluding standard length supplied by OEM with i/d unit).	100.00	Meier		122.00		INR Twelve Thousand Two Hundred & Paise Zero Only
109	Providing & fixing of 20mm dia rigid uPVC ISI marked piping complete with fittings and concealed in wall/clamping on surface and repairing of wall as per site condition/requirement.	25.00	Meier		25.00		INR Six Hundred Twenty Five & Paise Zero Only
110	Supply of LED Street Light fixture having system lumen output not less than 4500 Lumens with system efficacy of not less than 110 lumens per watt, made of high pressure die cast Aluminum/ standard alloy housing, toughened glass protector, complying to tender specifications complete with electronic driver and accessories etc suitable for outdoor applications. (Similar to Halonix make, Cat no: HSLD-09-45-CWL-R or equivalent)	6.00	Each		3278.00		INR Nineteen Thousand Six Hundred Sixty Eight & Paise Zero Only
111	Providing & fixing single arm bracket made of 32/40 mm dia. B-Class GI pipe (Approx length 1 mtr) suitable for supplied street light fixture i/c clamping, fasteners etc. as per site requirement and direction of E-I-C.	6.00	Job		660.00		INR Three Thousand Nine Hundred Sixty & Paise Zero Only
112	Supply of 600mmx600mm LED panel indoor recessed mounting type with high efficiency PRIMA diffuser, fabricated with CRCA sheet steel housing duly powder coated having system lumen output not less than 3600 Lumens & integrated electronic driver with minimum system efficacy of 100 lm/W complying to tender specifications complete with all accessories. (Similar to Halonix make, Cat no:HLFPR22-27-36-WC-HL2 or equivalent as per AAJ preferred make list)	5.00	Each		3223.00		INR Sixteen Thousand One Hundred Fifteen & Paise Zero Only

113	Supply of 600mmx600mm LED panel indoor surface mounting type with high efficiency, PMMA diffuser, fabricated with CRCA sheet steel housing duly powder coated having system lumen output not less than 3600 Lumens & integrated electronic driver with minimum system efficacy of 100 lm/W complying to tender specifications complete with all accessories. (Similar to Halcon make, Cat no- HLFPS22-02-36-CW-R or equivalent as per AAI preferred makes list)	12.00	Each	3095.00	37140.00	INR Thirty Seven Thousand One Hundred Forty & Paise Zero Only
114	Supply of Round LED downlighter for outdoor application surface mounting having high efficiency PMMA diffuser/Specially designed flat oval diffuser fixed to housing made of pressure die cast aluminum housing & integrated electronic driver with system lumen output not less than 900 Lumens with efficacy of 100lm/W complying to tender specifications complete with all accessories (Similar to Halcon make, Cat no- HLDLS-RZ7-08-CW or equivalent as per AAI preferred makes list)	5.00	Each	868.00	4340.00	INR Four Thousand Three Hundred Forty & Paise Zero Only
115	Supply & installation of single dome LED aviation light with Die-cast aluminum housing with Red polycarbonate dome for better illumination, Integral driver suitable for outdoor applications, complete as per technical specifications complete with all accessories. (Similar to Bajaj make, Cat no- BGAV 30Z LED or equivalent as per AAI preferred makes list)	4.00	Each	4833.00	19332.00	INR Nineteen Thousand Three Hundred Thirty Two & Paise Zero Only
116	Supply of hand held rechargeable portable 10W LED emergency light with ABS plastic body with minimum 6 hours battery backup, 3.7V-1200 mAh Lithium-ion battery and charging lead complete with all accessories. (Similar to Havells make, Cat no- LHEXIDGEN1K010 or equivalent)	2.00	Each	1356.00	2712.00	INR Two Thousand Seven Hundred Twelve & Paise Zero Only
117	Supply of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CMMW) minimum 685, Air delivery minimum 215 CMM, 350 RPM (tolerance as per IS : 3742019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	3.00	Each	3760.00	11280.00	INR Eleven Thousand Two Hundred Eighty & Paise Zero Only
118	Supply & installation of Wall bracket fan of 400 mm sweep, 1300-1400 RPM suitable for operation on 230 V, 50 Hz, A.C. supply complete with pull cord control for speed & oscillation on & off, copper wound motor, double ball bearing, blades, outer cage for protection, capacitor etc. complete as required. (Similar to Havells make Cat no. - Swing or eqvt preferred make list of AAI)	3.00	Each	2222.00	6666.00	INR Six Thousand Six Hundred Sixty Six & Paise Zero Only
119	Supply of 300mm sweep 1400 RPM heavy duty exhaust fan suitable for operation on 220V, 50Hz, Single Phase AC Supply with all accessories such as, motor, blade, MS Powder Coated louvre shutter, capacitor etc. including all fixing accessories as required. (Similar to Havells make Cat no. - Turbo Force or eqvt preferred make list of AAI)	1.00	Each	3123.00	3123.00	INR Three Thousand One Hundred Twenty Three & Paise Zero Only
120	Supply of 200mm sweep modular type plastic body exhaust fan suitable for 230/240 volts, 50 Hz, single phase A.C. supply with all accessories including louvers, shutters, etc. as required. (Similar to Havells make Cat no. - Ventil Air Dx or eqvt preferred make list of AAI)	2.00	Each	1376.00	2752.00	INR Two Thousand Seven Hundred Fifty Two & Paise Zero Only
121	Installation, Testing, Commissioning of wall bracket/ceiling fittings/ fixtures of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	31.00	Each	92.40	2864.40	INR Two Thousand Eight Hundred Sixty Four & Paise Forty Only
122	Installation, Testing, Commissioning of wall bracket/ceiling fittings/ fixtures of all sizes and shapes containing upto two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	3.00	Each	122.16	366.48	INR Three Hundred Sixty Six & Paise Forty Eight Only
123	Installation of exhaust fan in the existing opening, including gravity louver made of GI sheet & making good the damage, connection, testing, commissioning etc. as required. Upto 450mm sweep	3.00	Each	405.00	1215.00	INR One Thousand Two Hundred Fifteen & Paise Zero Only
124	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	35.00	Point	925.00	32375.00	INR Thirty Two Thousand Three Hundred Seventy Five & Paise Zero Only
125	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group A	8.00	Point	575.00	4600.00	INR Four Thousand Six Hundred & Paise Zero Only
126	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
126.1	2 X 1.5sqmm + 1X 1.5sqmm earth wire	100.00	Meter	210.00	21000.00	INR Twenty One Thousand & Paise Zero Only
126.2	2 X 2.5sqmm + 1X 2.5sqmm earth wire	100.00	Meter	260.00	26000.00	INR Twenty Six Thousand & Paise Zero Only
126.3	2 X 4sqmm + 1X 4sqmm earth wire	150.00	Meter	322.00	48300.00	INR Forty Eight Thousand Three Hundred & Paise Zero Only
126.4	4 X 4sqmm + 2X 4sqmm earth wire	50.00	Meter	525.00	26250.00	INR Twenty Six Thousand Two Hundred Fifty & Paise Zero Only

127	Supplying and drawing following sizes of FRLS PVC Insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required.						
127.1	1 X 1.5sqmm	50.00	Meter	49.00	2450.00	INR Two Thousand Four Hundred Fifty & Paise Zero Only	
127.2	2 X 1.5sqmm	50.00	Meter	65.00	3250.00	INR Three Thousand Two Hundred Fifty & Paise Zero Only	
127.3	3 X 1.5sqmm	50.00	Meter	88.00	4400.00	INR Four Thousand Four Hundred & Paise Zero Only	
127.4	2 X 4sqmm	50.00	Meter	145.00	7250.00	INR Seven Thousand Two Hundred Fifty & Paise Zero Only	
127.5	6 X 4sqmm	50.00	Meter	398.00	19900.00	INR Nineteen Thousand Nine Hundred & Paise Zero Only	
128	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.	48.00	Each	616.00	29568.00	INR Twenty Nine Thousand Five Hundred Sixty Eight & Paise Zero Only	
129	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.						
129.1	5/6 A switch	10.00	Each	84.00	840.00	INR Eight Hundred Forty & Paise Zero Only	
129.2	15/16 A switch	10.00	Each	145.00	1450.00	INR One Thousand Four Hundred Fifty & Paise Zero Only	
129.3	6 pin 15/16 A socket outlet	10.00	Each	208.00	2080.00	INR Two Thousand Eighty & Paise Zero Only	
130	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.						
130.1	25mm	50.00	Meter	130.00	6500.00	INR Six Thousand Five Hundred & Paise Zero Only	
130.2	32mm	50.00	Meter	170.00	8500.00	INR Eight Thousand Five Hundred & Paise Zero Only	
131	Supplying and fixing metal box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc. as required.						
131.1	75 mm X 75 mm X 60 mm deep	5.00	Each	165.00	925.00	INR Nine Hundred Twenty Five & Paise Zero Only	
131.2	150 mm X 75 mm X 60 mm deep	5.00	Each	220.00	1150.00	INR One Thousand One Hundred Fifty & Paise Zero Only	
132	Supplying and fixing following way horizontal type three pole and neutral (TPN), sheet steel, MCB Per Phase Isolation (PPI) distribution board, IP-43, 415 V, on surface/recess, complete with lined copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder coated including earthing etc. as required. (But without MCB/RCCB/isolator)						
132.1	6 way (8+6+18), Double Door	2.00	Each	7510.00	15020.00	INR Fifteen Thousand Twenty & Paise Zero Only	
133	Supplying and fixing following way, single pole and neutral (SPN), sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with lined copper bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)						
133.1	12 way, Double Door	3.00	Each	2744.00	8232.00	INR Eight Thousand Two Hundred Thirty Two & Paise Zero Only	
134	Supplying and fixing 5 A to 32 A rating, 240 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.						
134.1	Single Pole and Neutral	48.00	Each	750.00	37920.00	INR Thirty Seven Thousand Nine Hundred Twenty & Paise Zero Only	
134.2	Double pole	3.00	Each	805.00	2415.00	INR Two Thousand Four Hundred Fifteen & Paise Zero Only	
135	Supplying and fixing following rating Double pole, 240 V, 10KA "C" curve miniature circuit breaker in the existing MCB DB complete with connection, testing and commissioning etc. as required.						
135.1	63A Rating	2.00	Each	1315.00	2630.00	INR Two Thousand Six Hundred Thirty & Paise Zero Only	
135.2	40 A Rating	1.00	Each	1218.00	1218.00	INR One Thousand Two Hundred Eighteen & Paise Zero Only	
136	Supplying and fixing following rating, double pole, (single phase and neutral) 240 V, residual current circuit breaker (RCCB), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.						

136.1	40 A		9.00	Each	2965.00	26885.00	INR Twenty Six Thousand Six Hundred Eighty Five & Paise Zero Only
137	Supply, fixing of Modular type, 2-Pole encapsulated Surge Protection Device (SPD) Class C operating on nominal voltage of 230V, 50 Hz with 40KA @ nominal discharge current (8/20µs impulse) with less than 5 ns response time conforming to IEC 61643-1/62305/UL-1449-3 with visual indicator flag & backup fuse protection wiring etc installed as per direction of Engineer in-charge.		3.00	Each	2478.00	7434.00	INR Seven Thousand Four Hundred Thirty Four & Paise Zero Only
138	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface/recess, complete with testing and commissioning etc. as required.						
138.1	For 12 way, Double door		3.00	Each	1590.00	4770.00	INR Four Thousand Seven Hundred Seventy & Paise Zero Only
139	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following triple pole and neutral, sheet steel, PPI type MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc as required.						
139.1	For 6 way, Double door		2.00	Each	1860.00	3720.00	INR Three Thousand Seven Hundred Twenty & Paise Zero Only
140	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enamelled white on both sides, and with inscription in single red colour on front side as required.		5.00	Each	225.00	1125.00	INR One Thousand One Hundred Twenty Five & Paise Zero Only
141	Supplying and fixing 20 A, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.		8.00	Each	1730.00	13840.00	INR Thirteen Thousand Eight Hundred Forty & Paise Zero Only
142	Supplying and fixing 30 A, 415 V, TPN industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 30 A "C" curve, TPNMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.		2.00	Each	3905.00	7810.00	INR Seven Thousand Eight Hundred Ten & Paise Zero Only
143	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick, including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.		6.00	Set	13960.00	83880.00	INR Eighty Three Thousand Eight Hundred Eighty & Paise Zero Only
144	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.		50.00	Meier	1525.00	76250.00	INR Seventy Six Thousand Two Hundred Fifty & Paise Zero Only
145	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.		20.00	Meier	1237.00	24740.00	INR Twenty Four Thousand Seven Hundred Forty & Paise Zero Only
146	Supply, installation, Testing & Commissioning of UL / EN listed (latest version) Microprocessor based expandable intelligent Addressable Type Fire Alarm Control Panel of 01 loop with minimum 80 character graphics / LCD display with touch screen or other keypads and minimum 1000 events history log in the non volatile memory (EPROM). The panel should be equipped with loop capacity to take minimum 300 intelligent addressable detectors devices (in any combination) in one loop. Four access levels sufficient numbers of programmable relay controls for controlling external devices operable on 230 volts, 50 Hz AC power supply, automatic battery charger, 24 volts sealed maintenance free lead acid batteries sufficient for 2 hours normal working and then be capable of operating the system for 30 minutes during an emergency / fault conditions along with battery stand as per specification, complete as required.		1.00	Each	275000.00	275000.00	
147	Supply, installation, Testing & commissioning of UL / EN listed (latest version) analogue intelligent addressable multi criteria detector (Smoke + heat) with inbuilt fault isolator / isolator base and with unique optical sensing chamber, visible LED, fully coated circuit board, superior RF / Transient protection suitable for 2 wires loop connection, complete with plug into common separate base & housing constructed of LEXAN (or polycarbonate) complete with connections etc. as required and to be installed below / above false ceiling roof and concealed space and as per enclosed specifications, complete as required.		15.00	Each	3041.00	45615.00	INR Forty Five Thousand Six Hundred Fifteen & Paise Zero Only
148	Supply, installation, Testing & commissioning of UL / EN listed (latest version) intelligent addressable smoke detector with inbuilt fault isolator / isolator base and with unique optical sensing chamber, visible LED, fully coated circuit board, superior RF / Transient protection suitable for 2 wires loop connection, complete with plug into common separate base & housing constructed of LEXAN (or polycarbonate) complete with connections etc. as required and to be installed below / above false ceiling roof and concealed space and as per enclosed specifications, complete as required.		5.00	Each	3300.00	16500.00	INR Sixteen Thousand Five Hundred & Paise Zero Only
149	Supply, installation, testing and commissioning of UL / EN listed (Latest Version) Response Indicators for getting fire indications of detectors IIC mounting boxes installed above false ceiling area interconnecting to loop cable etc. as per specification complete as required.		5.00	Each	175.00	875.00	INR Eight Hundred Seventy Five & Paise Zero Only
150	Supply, installation, Testing & commissioning of UL / EN listed (latest version) intelligent addressable Manual call station (break glass type) suitable for semi flush mounting, IP 54 for indoor use & IP 65 for outdoor use with inbuilt fault isolator / isolator module with key operated test-reset lock or electronic or relay switches for address setting. Manual call station shall be connected with two wire to SLC loop of Fire Control Panel. Cover shall be made out of LEXAN (or poly carbonate equivalent) with clear operating instruction and the word FIRE appearing on the front complete with connections etc. as required and as per enclosed specifications.		3.00	Each	3475.00	10425.00	INR Ten Thousand Four Hundred Twenty Five & Paise Zero Only

151	Supply, installation, testing and commissioning of UL / EN listed (latest version) addressable Hooter-cum-strobe including control module with adjustable sound level in the range of min. 80 db to Max. 120 db at 1M distance complete with termination etc. as required.	3.00	Each	6515.00		19545.00	INR Nineteen Thousand Five Hundred Forty Five & Paise Zero Only
152	Supply, Installation, Testing & Commissioning of 240V AC / 24V DC 6 Amp Supply SMPS for Hooter and Control Relay Module complete with all accessories as required.	1.00	Each	2610.00		2610.00	INR Two Thousand Six Hundred Ten & Paise Zero Only
153	Supply, Installation, Testing & Commissioning of UL Listed & FM Approved Isolator Module for Isolating short / derived / loose circuits with automatic resetting arrangement. The device shall have an LED which shall blink in normal state & get steady on activation to monitor the health status of the device. Module shall be supplied with mounting plate from OEM for ease of installation & maintenance. <i>Note: Isolator Base can also be proposed, however in that case needs to be considered with each detector & module & considered included with the detector.</i>	2.00	Each	3390.00		6780.00	INR Six Thousand Seven Hundred Eighty & Paise Zero Only
154	Supply, Installation, Testing & Commissioning of GSM dialer - SIM card will be in client scope, however, First year cost (one year tariff charging) shall be included.	1.00	Each	12035.00		12035.00	INR Twelve Thousand Thirty Five & Paise Zero Only
155	Laying and fixing of one number PVC insulated and PVC sheathed XLPE power cable of 1.1 KV grade of size not exceeding 35 sqmm on wall surface as required.	100.00	Metre	45.00		4500.00	INR Four Thousand Five Hundred & Paise Zero Only
Total in Figures						22723980.88	INR Two Crore Twenty Seven Lakh Twenty Three Thousand Nine Hundred Eighty & Paise Zero Only
Quoted Rate in Words						INR Two Crore Twenty Seven Lakh Twenty Three Thousand Nine Hundred Eighty & Paise Eighty Eight Only	

Signature Not Verified

Digitally signed by AMIT JINDAL
Date: 2026.07.24 12:49:19 IST
Location: eProcurement System for Central PSUs