



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

भाविप्रा/भोपाल/अभि.-सि./आर.ई.-3 ई.एम.ई /1908

दिनांक:- 19/02/2025

सेवा में / To,

मेसर्स रॉकबेड रेनोवेटर्स लिमिटेड
7-ए, प्रथम तल, पंजाबी बाग, गोविन्दपुरा,
भोपाल - 462023 (म.प्र.)
टेलीफोन नं. 0755 - 2591025
ई-मेल: rockbedrenovators@gmail.com

M/s. ROCKBED RENOVATORS LIMITED
7 - A, FIRST FLOOR, PUNJABI BAGH, GOVINDPURA,
BHOPAL - 462023 (M.P.)
Tel. No.: - 0755 - 2591025; Email : -
rockbedrenovators@gmail.com

विषय :-

3 ई.एम.ई डिफेंस सेंटर, भोपाल में सड़के/फुटपाथों, प्रवेश द्वार, कोटे भवन, स्टेज एवं अन्य संबंधित संपत्तियों के स्थानांतरण का शेष कार्य।

Subject:-

"Balance work in 3EME Defense Centre, Bhopal for relocation of roads/pavements, entry gate, kote building, stage and other associated assets."

संदर्भ:-

आपकी निविदा संख्या 2025_AAI_223212_1 दिनांक 10/02/2025 को खोला गया।

Ref:

Your E-tender No. 2025_AAI_223212_1, opened on dated 10/02/2025.

महोदय/Dear Sir (S),

1. अध्यक्ष भारतीय विमानपत्तन प्राधिकरण की ओर से उपरोक्त वर्णित कार्य को आपकी मदद मूल्यों पर आधारित ई-निविदा कुल राशि रु. 6,15,89,161.00/- (रुपये छः करोड़ पन्द्रह लाख नवासी हजार एक सौ इकसठ मात्र, बिना जी.एस.टी.) तथा रु. 7,26,75,210.00/- (रुपये सात करोड़ छब्बीस लाख पचतर हजार दो सौ दस मात्र, 18% जी.एस.टी. सहित) होगी, जोकि अनुमानित लागत रु. 8,61,46,016.00/- (रुपये आठ करोड़ इकसठ लाख छयालीस हजार सोलह मात्र) (बिना जी.एस.टी.) तथा रु. 10,16,52,299.00/- (रुपये दस करोड़ सोलह लाख बावन हजार दो सौ निन्यानवे मात्र) (18% जी.एस.टी. सहित) से (-) 28.51% (अट्ठाईस दशमलव पाँच एक प्रतिशत) नीचे हैं, स्वीकृत की जाती हैं।

Your E-tender for the above-mentioned work is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rate quoted by you totaling to Rs. 6,15,89,161.00/- (Rupees Six Crore Fifteen Lacs Eighty - Nine Thousand One Hundred Sixty One Only - without GST) and Rs. 7,26,75,210.00/- (Rupees Seven Crore Twenty - Six Lacs Seventy - Five Thousand Two Hundred Ten Only - including GST @18%) which is (-) 28.51% (Twenty - Eight Point Five One Percent) below the estimated cost put to the tender i.e. Rs. 8,61,46,016.00/- (Rupees Eight Crore Sixty One Lacs Forty - Six Thousand and Sixteen Only - without GST) and Rs. 10,16,52,299.00/- (Rupees Ten Crore Sixteen Lacs Fifty - Two Thousand Two Hundred Ninety - Nine Only - including GST @18%).

2. संयुक्त महाप्रबंधक (अभि-सिविल) भाविप्रा राजा भोज एयरपोर्ट भोपाल इस कार्य के इंजीनियर प्रभारी होंगे। आपसे अनुरोध है कि आप संयुक्त महाप्रबंधक अभियांत्रिकी (सिविल) कार्यालय भाविप्रा राजा भोज एयरपोर्ट भोपाल में दिनांक 06/03/2025 तक उपस्थित होकर करारनामे पर हस्ताक्षर कर पूरा करें। यह करारनामा रु 500/- (पाँच सौ रुपये) मूल्य के गैर-न्यायिक स्टाम्प पेपर पर निष्पादित किया जायेगा और स्टाम्प पेपर की लागत आपके द्वारा वहन की जाएगी।

Jt. Gen. Mgr. (E - C), AAI, Raja Bhoj Airport, Bhopal, shall be the Engineer-in-Charge of the work and you are requested to attend the office of Jt. Gen. Mgr. Engg. (Civil), AAI Raja Bhoj Airport, Bhopal by 06/03/2025 to sign and complete the contract agreement. The contract agreement



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shall be executed on a non-judicial stamp paper of value Rs. 500.00/- (Rupees Five Hundred only) and the cost of the stamp paper shall be borne by you.

3. आपकी निविदा के साथ प्राप्त धरोहर राशि रु. 17,22,920.00/- (रुपये सत्तरह लाख बाईस हजार नौ सौ बीस मात्र) CPP पोर्टल के माध्यम से मुक्त हो जाएगी। इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर सुरक्षा निधि राशि रु. 30,79,458.00/- (रुपये तीस लाख उनयासी हजार चार सौ अठवन मात्र) जमा करें। असफल होने पर अनुबंध की पृष्ठ संख्या जी.सी.सी. - 16 पर क्लॉज संख्या 1 (अ) की शर्तों के अनुसार सुरक्षा निधि राशि को बिलों से काटा जायेगा।

The earnest money for an amount of Rs. 17,22,920.00/- (Rupees Seventeen Lacs Twenty - Two Thousand Nine Hundred Twenty Only) received along with your tender will be refunded to you through CPP portal. Please deposit amount of Rs. 30,79,458.00/- (Rupees Thirty Lacs Seventy - Nine Thousand Four Hundred Fifty - Eight Only) towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted from your R/A bills as per condition of Clause no 1 (A) at page no GCC-16 of contract document.

4. इस पत्र के जारी होने के 30 दिनों के भीतर आप निविदा दस्तावेज अनुबंध की शर्त संख्या 1 पृष्ठ संख्या GCC-15 के अनुसार रु. 30,79,458.00/- (रुपये तीस लाख उनयासी हजार चार सौ अठवन मात्र) की निष्पादन पृतिभूति, भारतीय विमानपत्तन प्राधिकरण, के पास जमा करेंगे। यह धन राशि निविदा दस्तावेज के पृष्ठ संख्या GCC-108,109,110 पर संलग्न प्रपत्र पर बैंक गारंटी के रूप में जमा की जायेगी।

Within 30 days of issue of this letter, you shall submit to AAI, a Performance Guarantee for an amount of Rs. 30,79,458.00/- (Rupees Thirty Lacs Seventy - Nine Thousand Four Hundred Fifty - Eight Only) in the form of Bank Guarantee as per GCC clause 1 on page no - GCC-15 of the Tender Document, on the proforma appended at page no GCC-108,109,110 of the Tender Document.

5. आपसे निवेदन है कि आप विभिन्न लागू वैधानिक अधिनियमन जैसे कर्मचारी भविष्य निधि व विविध प्रावधान अधिनियम 1952, कर्मचारीराज्य बीमा(ESI) अधिनियम, 1948, ठेका श्रमिक (रोजगार व सेवा की शर्तें) अधिनियम, 1979 न्युनतम मजदूरी अधिनियम 1948, मजदूरी भूगतान अधिनियम, 1936, श्रमिक प्रतिपूर्ति अधिनियम, 1923 एवं अन्य संगत नियम व अधिनियम, अनुदेश इत्यादि जो समय समय पर जारी/प्रवर्तित किया जाते हैं उक्त वैधानिक अधिनियम व प्रावधानों का नियमित अनुपालन व इनके अंतर्गत सारी विधिक बाध्यताओं का पूर्ण प्रेक्षण आपका एकल दायित्व होगा।

You are requested to comply with the provisions under various applicable statutory enactments including the employees Provident Fund & Miscellaneous Provisions Act, 1952, the Employees State Insurance (ESI) Act, 1948, the Contract Labour (Regulation & Abolition) Act, 1970, the Inter-State Migrant workmen (Regulation of employment & conditions of Service) Act, 1979, the Minimum Wages Act, 1948, the Payment of Wages Act, 1936, the workmen's Compensation Act, 1923 and other relevant Act, Rules and Regulations, instructions etc. issued/enforced from time to time. It shall be your sole liability to abide with and fully observing the legal obligations under the aforesaid statutory acts and provisions.



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6. आपको निर्देश दिया जाता है कि आप तुरंत सहायक महाप्रबंधक (अभि.-नागर) से संपर्क करें जो आपको कार्यस्थल को सौंपने की व्यवस्था करेंगे।

You are also directed to contact AGM (Engg. – Civil) immediately who will arrange to hand over the site to you.

7. कृपया ध्यान दें कि कार्य को पूरा करने के लिए अनुमानित समय 06 (छ) महीने होगा और इसकी गणना इस पत्र के जारी होने के 10 वें दिन से की जायेगी।

Please note that the time allowed for carrying out the work shall be 06 (Six) months and same shall be reckoned from the 10th day after issue of this letter.

8. यह संदर्भित पत्र अनुबंध का एक हिस्सा होगा।

This letter under reference shall form part of agreement.

9. इस अनुबंध के संबंध में आगे का कोई भी पत्राचार प्रभारी अभियंता के पते पर किया जाए।

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

10. कृपया अपनी अभिस्वीकृति भेजे तथा सहमति के लिये डुप्लीकेट कापी, जोकि इस पत्र के साथ संलग्न है, हस्ताक्षर करके अधोहस्ताक्षरी को भेजे।

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

11. यदि कोई विसंगति पाई जाती है तो अंग्रेजी संस्करण को ही सही रूप में लिया जाएगा।

In case any discrepancy is found then English version will be taken as correct.

भवदीय/Yours faithfully

संलग्नक/ Encl.

i) Schedule 'A' (BoQ)

19.02.25

संयुक्त महा प्रबंधक (अभि.-नागर)

Jt. Gen. Mgr. (Engg. – Civil)

राजा भोज विमानतल भोपाल,

Raja Bhoj Airport, Bhopal

अध्यक्ष – भा.वि.प्रा. की ओर से

For and on behalf of the Chairman-AAI



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मूलप्रति से अतिरिक्त / N.O.O

1. क्षेत्रीय श्रम आयुक्त (केन्द्रीय),
निर्माण सदन, सी.जी.ओ. कॉम्प्लेक्स रूम नंबर 306,
तीसरा माला, अरेरा हिल्स, भोपाल-462016.
The Regional Labour Commissioner(Central),
Nirman Sadan. C.G.O. Complex, Room No. 306.
3rd floor, Arera hills Bhopal-462016.
2. क्षेत्रीय भविष्य निधि आयुक्त, मध्यप्रदेश,
भविष्य निधि भवन, 59-अरेरा हिल्स, भोपाल-462011
The Regional Provident Fund Commissioner (M.P.)
Bhavishy Nidhi Bhavan, 59-Arera Hills, Bhopal-462011

आंतरिक/INTERNAL

1. महाप्रबंधक (अभि.-नागर) पश्चिम क्षेत्र, भाविप्रा, मुम्बई जानकारी हेतु।
GM (Engg. – Civil), Western Region, AAI, Mumbai..... for information please.
2. विमानपत्तन निदेशक, भाविप्रा.राजा भोज विमानतल, भोपाल जानकारी हेतु।
The Airport Director, AAI, Raja Bhoj Airport, Bhopal..... for information please.
3. उप महाप्रबंधक(अभि.- विद्युत) भाविप्रा, राजा भोज विमानतल, भोपाल जानकारी हेतु।
DGM (Engg. – Elect.), AAI, Raja Bhoj Airport Bhopal..... for information please.
4. सहायक महाप्रबंधक(अभि.- नागर) भाविप्रा, राजा भोज विमानतल, भोपाल जानकारी हेतु।
Asstt. Gen. Mgr. (Engg. – Civil), AAI, Raja Bhoj Airport Bhopal..... for information please.
5. सहायक महाप्रबंधक – (वित्त) भाविप्रा. राजा भोज विमानतल. भोपाल.
Asstt. GM (Finance), AAI, Raja Bhoj Airport Bhopal.
6. कार्यालय प्रतिलिपि/ For office copy

[Handwritten signature]
19.2.25

संयुक्त महाप्रबंधक अभियांत्रिकी (नागर)
Jt. Gen. Mgr. (Engg. – Civil)
राजा भोज विमानतल भोपाल,
Raja Bhoj Airport, Bhopal

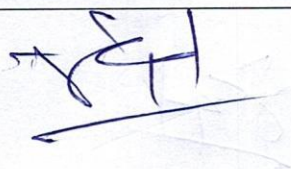
Government eProcurement System Created By: Prabhu N. Tiwari Created Date/Time: 10-Feb-2025 04:17 PM Tender Title: Balance work in 3EME Defense Centre, Bhopal for relocation of roads/ pavements, entry gate, kote building, stage and other associated assets. Tender ID: 2025_AAI_223212_1					
Tender Inviting Authority: AGM (ENGG - C), RAJA BHOJ AIRPORT, BHOPAL					
Name of Work: Balance work in 3EME Defence Centre, Bhopal for relocation of roads/ pavements, entry gate, kote building, stage and other associated assets.					
Contract No: AAI/BHO/ENGG-C/RE_3EME					
SCHEDULE OF WORK / ITEM(S)					
Sl.No	Description of Work / Item(s)	No.of Qty	Units	ROCKBED RENOVATORS LIMITED (GSTN-NA) BID ID -812156	
				Rate	Amount
1.00	Preparation and submission of working engineering drawing and structural design for the Construction of Entry Gate, Kote Building and preparation of key plan, layout and foundation drawings, internal electrical drawings etc after carrying out necessary soil investigation complete as per latest IS code/relevant specs. The structural design/drawing of Entry Gate, Quarter Guard Building shall be got checked and vetted by Govt. Engg. Institutes as per direction of Engineer-in-Charge. This item comprises of the following sub items. i) Carrying out of soil investigation as per design requirement and prevailing AAI guidelines ii) Engineering Gen.arrangement drawings.For Building,Road /Pavement, etc. iii) Structural Designs. iv) Structural working drawings i/c bar bending schedule. v) Drainage drawing details (Internal and external works). vi) Water supply (Plumbing) (Internal and external works). vii) Sewerage and rain water disposal plan and design of septic tank & soak pit. viii)Electrical fittings and conduit layout drawings. ix) Toilet fixtures layout drawings. x) Doors, windows and cupboard drawings. xi) Site visits of consultants as and when required by AAI. xiii)Design & Submission of shop drawing for Structural glazing/ ACP work etc. as per site requirements. xiv) Designs & Drawings for water Fountain, Bus Stop, War Memorial Plinth, Stage, Logo etc. xv) As built drawings for executed works (service lines etc.) (Note : Concept level architectural drawings will be supplied by AAI. Contractor shall submit structural design calculation and engineering working drawing showing all relevant details needed for execution of work in required numbers. The payment for this item shall be released in stages as per decision of Engineer-In-Charge which shall be final and binding)	1.00	Job	375000.00	₹ 3,75,000.00
2.00	Excavation in Soil using Hydraulic Excavator and Tippers with disposal with in 3 EME premises. (Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location/ disposed earth to be spread and dressed within all lifts and lead with in 3 EME premises.	11630.00	cum	85.00	₹ 9,88,550.00
3.00	Excavation in Ordinary Rockusing Hydraulic Excavator and Tippers with disposal upto within 3 EME premises. (Excavation for roadway in ordinary rock with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, transporting to embankment site/dispersed rock to be spread and dressed within all lifts and lead within 3EME premises, trimming bottom and side slopes in accordance with requirements of lines, grades and cross sections.)	1290.00	cum	250.00	₹ 3,22,500.00
4.00	Supplying and filling moorum / Good earth obtained from approved quarry for subgrade, embankment, depressions as instructed and in layers not exceeding 20 cm (loose) in depth (or any thickness as approved by the Engineer-in-Charge in case vibratory roller / soil compactor is used) including breaking clods, watering, consolidating each layer with power road roller 8 -10 tonnes weight or vibratory roller / soil compactor of adequate capacity under optimum moisture content condition to give at least 95% of the maximum laboratory dry density (modified Proctor density) as per IS : 2720 (part VIII) complete including leveling, fine dressing to the required grade, camber and slope complete as per MORTH specifications and as directed by the Engineer-in-Charge with all leads and lifts. (The item includes cost of work, payment of necessary royalty, carriage of moorum / suitable earth upto work site for all leads and lifts involved from all sources acquired or arranged by the contractor. Payment shall be made for compacted quantity only.)	4660.00	cum	450.00	₹ 20,97,000.00
5.00	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, for all lead and lifts .	5900.00	cum	85.00	₹ 5,01,500.00
6.00	Surface dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, with all lead and lifts within 3 EME premises. All kinds of soil	9460.00	sqm	15.00	₹ 1,41,900.00
7.00	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 : 4 graded stone aggregate 20 mm nominal size)	240.00	cum	5200.00	₹ 12,48,000.00
8.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived fromnatural sources : 6 graded stone aggregate 20 mmnominal size derived from natural sources)	165.00	cum	3800.00	₹ 6,27,000.00
9.00	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 fromnatural sources : 8 graded stone aggregate 40 mmnominal size derived from natural sources)	230.00	cum	3900.00	₹ 8,97,000.00
10.00	Centering and shuttering including strutting, propping etc. and removal of form for :- Foundations, footings, bases of columns, etc. for mass concrete	1845.00	sqm	150.00	₹ 2,76,750.00
11.00	Centering and shuttering including strutting, propping etc. and removal of form for Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	1600.00	sqm	275.00	₹ 4,40,000.00
12.00	Centering and shuttering including strutting, propping etc. and removal of form for Suspended floors, roofs, landings, balconies and access platform	71.00	sqm	375.00	₹ 26,625.00
13.00	Centering and shuttering including strutting, propping etc. and removal of form for :- Lintels, beams, plinth beams, girders, bressumers and cantilevers	1330.00	sqm	375.00	₹ 4,98,750.00
14.00	Centering and shuttering including strutting, propping etc. and removal of form for :- Columns, Pillars, Piers, Abutments, Posts and Struts	245.00	sqm	375.00	₹ 91,875.00

Signature

15.00	Providing and Fixing of GRC Jali (Glass Fibre Reinforced Concrete) 50 mm thick of required size, pattern, design, and colour with 50% area covered to be fixed on/between RCC / Block work Column or structural steel work with Dry Fixing method. and as per direction of the Engineer-in-Charge.	210.00	sqm	3800.00	₹	7,98,000.00
16.00	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.	45110.00	kg	85.00	₹	38,34,350.00
17.00	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	24395.00	kg	85.00	₹	20,73,575.00
18.00	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. All works upto plinth level Concrete of M30 grade with minimum cement content of 350 kg /cum	540.00	cum	5400.00	₹	29,16,000.00
19.00	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. All works above plinth level upto floor V level Concrete of M30 grade with minimum cement content of 350 kg /cum	290.00	cum	5400.00	₹	15,66,000.00
20.00	Add for using extra cement in the items of design mix over and above the specified cement content therein.	310.00	quintal	300.00	₹	93,000.00
21.00	Brick work with common burnt clay/ Fly ash bricks F.P.S. (non modular/ modular) bricks of class designation 3.5 /fly ash bricks in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	40.00	cum	5750.00	₹	2,30,000.00
22.00	Brick work with common burnt clay/ Fly ash bricks F.P.S. (non modular/ modular) bricks of class designation 3.5/fly ash bricks 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)	262.00	cum	5800.00	₹	15,19,600.00
23.00	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded 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 stone slab colour black, Cherry/Ruby red Area of slab over 0.50 sqm	40.00	sqm	4200.00	₹	1,68,000.00
24.00	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete. Size of Tile 600x600 mm	117.00	sqm	1120.00	₹	1,31,040.00
25.00	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including: (a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design. (b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc. (c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.	156.00	sqm	4800.00	₹	7,48,800.00
26.00	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. 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	21.00	sqm	3500.00	₹	73,500.00
27.00	Providing and fixing bright finished brass 100 mm mortice latch with one dead bolt and a pair of lever handles of approved quality with necessary screws etc. complete.	8.00	each	375.00	₹	3,000.00
28.00	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	16.00	each	250.00	₹	4,000.00
29.00	Providing and fixing aluminium tower 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 : 250x10 mm	28.00	each	85.00	₹	2,380.00
30.00	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. Twin rubber stopper	6.00	each	75.00	₹	450.00

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31.00	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick plain PVC door shutters	12.00	sqm	2850.00	₹	34,200.00
32.00	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	344.00	kg	105.00	₹	36,120.00
33.00	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile B Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately)	144.00	mtr	475.00	₹	68,400.00
34.00	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	9530.00	kg	125.00	₹	11,91,250.00
35.00	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. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	12010.00	kg	115.00	₹	13,81,150.00
36.00	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	835.00	sqm	950.00	₹	7,93,250.00
37.00	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	635.00	sqm	1150.00	₹	7,30,250.00
38.00	Providing and laying Vitrified tiles in floor 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 shade, 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. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Glazed Vitrified tiles Matt/Antiskid finish of size Size of Tile 600 x 600 mm	30.00	sqm	1150.00	₹	34,500.00
39.00	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 colour of Black, Cherry/Ruby Red or equivalent	210.00	cum	3800.00	₹	7,98,000.00
40.00	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	702.00	sqm	600.00	₹	4,21,200.00
41.00	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	363.00	sqm	185.00	₹	67,155.00
42.00	15 mm cement plaster on rough side of single or half brick wall of mix : 1:6 (1 cement: 6 coarse sand)	307.00	sqm	225.00	₹	69,075.00
43.00	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	670.00	sqm	150.00	₹	1,00,500.00
44.00	Finishing walls with textured exterior paint of required shade : New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	450.00	Sqm	150.00	₹	67,500.00
45.00	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	405.00	sqm	150.00	₹	60,750.00
46.00	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work	100.00	Sqm	150.00	₹	15,000.00
47.00	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	1165.00	sqm	150.00	₹	1,74,750.00
48.00	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work Interior	321.00	cum	110.00	₹	35,310.00
49.00	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	60.00	Cum	1050.00	₹	63,000.00
50.00	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in - charge.	240.00	cum	1050.00	₹	2,52,000.00
51.00	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	44.00	cum	850.00	₹	37,400.00



52.00	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	314.00	kg	4.00	₹	1,256.00
53.00	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 needle 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 all complete	100.00	cum	5800.00	₹	5,80,000.00
54.00	Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom. With rapid setting bitumen emulsion On W.B.M / W.M.M/ old disused pavement surface (concrete/ bituminous) @ 0.4kg/sqm	4765.00	sqm	15.00	₹	71,475.00
55.00	Providing and laying of Hot Mix Dense Bituminous Macadam (DBM) using crushed stone aggregate of quality, size and grading as specified and cement as specified and Viscosity Grade Bitumen (supplied in bulk) in proportions as per job mix formula and laid to specified levels, grade and camber as per specification, drawings and as directed by the Engineer-in- Charge including compacting with 8-10 tonne, preferably vibratory road roller of adequate capacity to achieve the specified values of compaction, strength, surface accuracy complete [for tendering purpose VG bitumen of grade VG-30 shall be taken as 110 kg/m3 of mix supplied in bulk produced by Govt. Refineries and 2% cement by weight of aggregates as filler material].	355.00	cum	6800.00	₹	24,14,000.00
56.00	Providing and applying tack coat using hot straight run bitumen of Viscosity grade VG-10 (80/100) conforming IS: 73 including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing Runway/Road surface as per specification complete in all respects as per direction of Engineer In Charge. If the the actual quantity of bitumen varies from the quantity assumed above, necessary cost adjustment for deviation in the quantity of bitumen shall be done as per rate in actual supply voucher from nearest refinery at the time of execution. The rate of VG-10 bitumen exclusive of GST shall only be considered for payment. a) 0.35kg/sqm on bituminous surface	4765.00	sqm	15.00	₹	71,475.00
57.00	Providing and laying of HOT Mix Dense Asphaltic Concrete (DAC) using crushed stone aggregate of quality size grading as specified and cement filler of quality as specified and Viscosit Grade Bitumen (supplied in bulk) in proportions as per job mix formula and laid to specified levels, grade and camber as per specification, drawings and as directed by the Engineer-In -Charge including compacting with 8-10 tonne preferably vibratory road roller of adequate capacity to achieve the specified values of compaction, strength, surface accuracy complete with bitumen of grade VG-30 (for tendering purpose bitumen content shall be taken as 135 kg/m3 of mix supplied in bulk produced by Govt. Refineries and 2% cement by weight of aggregate as filler material)	240.00	cum	7600.00	₹	18,24,000.00
58.00	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron "Y" shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately	650.00	mtr	375.00	₹	2,43,750.00
59.00	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, leveland curvature, jointed with cement mortar 1:3 (1 cement: 3 coarsesand), 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 for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	66.00	cum	7800.00	₹	5,14,800.00
60.00	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. Made of G.I. wire of dia 4 mm	1368.00	sqm	800.00	₹	10,94,400.00
61.00	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in - Charge. With material conforming to Grade-III (size range 26.5 mm to 0.075 mm) having CBR Value-20	1374.00	cum	1050.00	₹	14,42,700.00
62.00	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 paverfinisher 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.	1664.00	cum	1100.00	₹	18,30,400.00
63.00	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. 80 mm thick C.C. paver block of M-30 grade with approved colour design & pattern	1200.00	sqm	775.00	₹	9,30,000.00
64.00	Providing and placing in position 100 mm thick factory made machine batched & machine mixed Precast RCC Rectangular Covers on drains of footpath of various sizes, of M-25 grade cement concrete for RCC work, including cost of centering, shuttering, reinforcement of 8 mm dia TMT bars of Fe 500 grade @ maximum 100mm c/c on both ways, neat cement punning on finished surface, properly encased on all edges with 1.6 mm thick, 100 mm wide MS sheet duly painted over priming coat, reinforcement to be welded at edges with MS sheet and providing 2 Nos. 12 mm dia bar for hooks etc i/c cost of cartage, all leads & lift, handling at site etc. all complete as per direction of Engineer-in-Charge.	180.00	sqm	950.00	₹	1,71,000.00
65.00	Providing and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329 : 150 mm dia Ductile Iron Class K-9 pipes	100.00	Metre	2000.00	₹	2,00,000.00
66.00	Providing and laying S&S Centrifugally Cast (Spun) / Ductile Iron Pipes conforming to IS : 8329 : 250 mm dia Ductile Iron Class K-9 pipes	1150.00	Metre	2850.00	₹	32,77,500.00

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67.00	Constructing brick masonry circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design : 1.68 m deep with SFRC Cover and frame (heavy duty HD- 20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately) : 19.11.1 With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	Each	18000.00	₹	36,000.00
68.00	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 dia RCC pipes	148.00	mtr	2250.00	₹	3,33,000.00
69.00	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 600 mm dia RCC pipes	86.00	mtr.	2750.00	₹	2,36,500.00
70.00	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, mitred and jointed mechanically wherever required including cleat angle, 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 fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	355.00	Kg	385.00	₹	1,36,675.00
71.00	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, mitred and jointed mechanically wherever required including cleat angle, 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: 1868, Minimum anodic coating of grade AC 15)	400.00	Kg	385.00	₹	1,54,000.00
72.00	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)	7.00	Each	880.00	₹	6,160.00
73.00	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 5 mm thickness (weight not less than 12.50 kg/sqm)	23.00	Sqm	975.00	₹	22,425.00
74.00	Construction of water fountain, bus stop & front elevation of 3 EME entry gate with sudarshan chakra mono and army logo. Design of the individual items shall be finalised in co-ordination with 3 - EME Authorities for aesthetics suitable for Defense establishment.	1.00	Job	1200000.00	₹	12,00,000.00
75.00	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, (i) Single socketed pipes. 110 mm diameter	160.00	Metre	165.00	₹	26,400.00
76.00	Hiring of JCB machine including driver, diesel and maintenance etc. complete including cost of getting issued Entry permit & passes etc. for Defense Establishment as per direction of the Engineer - In - Charge.	480.00	Per Hour	1100.00	₹	5,28,000.00
77.00	Providing and operating tractor with trolley/ripper arrangement etc. including fuel, driver and any other incidental break down charges on this account etc including cost of getting issued Entry permit & passes etc. for Defense Establishment as per direction and satisfaction of Engineer-In-Charge.	60.00	Day	4200.00	₹	2,52,000.00
78.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	120.00	Metre	215.00	₹	25,800.00
79.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 25 mm nominal dia Pipes	60.00	Metre	325.00	₹	19,500.00
80.00	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 : W.C. pan with ISI marked white solid plastic seat and lid	6.00	Each	8500.00	₹	51,000.00
81.00	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 require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	6.00	Each	4200.00	₹	25,200.00
82.00	Providing and fixing CP brass Bib-cock long body approved quality conforming to IS standards (15 mm nominal bore) Item shall be approved brand only, as per direction of Engineer - In - Charge.	6.00	Each	600.00	₹	3,600.00

83.00	Providing and fixing Health-faucets with 1.0 m flexible tube/ Hand shower jet approved quality conforming to IS standards Item shall be approved brand only, as per direction of Engineer - In - Charge.	6.00	Each	1150.00	₹	6,900.00
84.00	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	6.00	Each	85.00	₹	510.00
85.00	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.	2000.00	Per litre	8.50	₹	17,000.00
86.00	Providing and fixing Angle Valve Item shall be approved brand only, as per direction of Engineer - In - Charge.	6.00	Each	400.00	₹	2,400.00
87.00	Providing and applying rustic texture of 2- mm thickness over plastered surface to prepare the surface complete as per direction of Engineer-in-Charge.	118.00	Sqm	375.00	₹	44,250.00
88.00	Providing and laying RCC Precast U shape drain of 100 mm wall thickness, opening size 600x 600 mm ,heavy duty of M-50 grade of Concrete of make KK manhole & gratings Co. pvt. ltd./ Anjani Enterprises, Bhopal or Equivalent make 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 , layed over 20mm thick leveling Cement mortar 1:6 etc. all complete as per direction of Engineer in charge.	300.00	Metre	4200.00	₹	12,60,000.00
89.00	Providing & placing in position RCC Precast Drain Cover (70mm to 80mm thickness) with/ without lifting barrel & hole of M- 50 grade concrete (make KK manhole & gratings Pvt. Ltd./ Trilok Enterprises/ Anjani Enterprises or equivalent) i/c cost of cartage, all leads & lift, handling at site etc. all complete as per direction of Engineer-in-Charge.	300.00	Metre	2500.00	₹	7,50,000.00
90.00	Providing and fixing Green Net Fabric over existing frames with nesscery screw/nail as and when requird all complete as per direction of Engineer-in-Charge.	610.00	Sqm	25.00	₹	15,250.00
91.00	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin- charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin- charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test.*All above operations to be done in order and as directed and specified by the Engineer-in-Charge : With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	1410.00	Sqm	900.00	₹	12,69,000.00
92.00	Supply, installation, testing and commissioning of flame proof, weatherproof IP65 indoor type electrical panel with 01 no. incommer of 250 Amps. And 03 nos. outgoing of 100 Amps and 03 nos. outgoing of 63 Amps. complete etc. as required and certified by relevent agency.	1.00	Job	145000.00	₹	1,45,000.00
93.00	Supply & Fixing of Flameproof Weatherproof IP65 DB(distribution box) with Flameproof Weatherproof 01 no. incomer of 100 Amps TPN MCB. And 24 outgoing of 10/16 amps SP MCBs, complete etc. as required and certified by relevent agency.	3.00	Job	95000.00	₹	2,85,000.00
94.00	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 flameproof, weatherproof flexible conduit certified by relevent agency and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable excluding swich and switch box complete etc. as required. Group C	219.00	point	7100.00	₹	15,54,900.00
95.00	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed flameproof, weatherproof flexible conduit certified by relevent agency alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	761.00	Meter	1550.00	₹	11,79,550.00
96.00	Wiring for circuit/ sub main wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed flameproof, weatherproof flexible conduit certified by relevent agency complete etc. as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	1102.00	Meter	1500.00	₹	16,53,000.00
97.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed flameproof, weatherproof flexible conduit certified by relevent agency complete etc. as required. 4 X 10 sq. mm + 2 X 6 sq. mm earth wire	30.00	Meter	3400.00	₹	1,02,000.00
98.00	Supply & Fixing of Flameproof Weatherproof IP65 switch board including rotary type switch and fan regulator total 06 Nos. as per site requirement complete etc. as required and certified by relevent agency.	12.00	Each	15000.00	₹	1,80,000.00
99.00	Supply & Fixing of Flameproof Weatherproof IP65 switch board including rotary type switch and fan regulator total 12 Nos. as per site requirement complete etc. as required and certified by relevent agency.	17.00	Each	20000.00	₹	3,40,000.00
100.00	Supply & Fixing of Flameproof Weatherproof IP65 inter locked switch socket (pwer plug) combined in Cast Aluminum Alloy LM6 Construction rating 16 Amps. Double pole 250V AC with 2 pin & Earth plug top. Certified by relevent agency.	25.00	Each	2000.00	₹	50,000.00
101.00	Supply and Installation Flameproof Weather proof 2x22W Tube Light fitting in Cast Aluminum Alloy LM6 Construction. Certified by relevent agency.	170.00	Each	5200.00	₹	8,84,000.00
102.00	Supply and Installation of Flameproof Ceiling fan 48" single phase in Cast Aluminum Alloy LM6 Construction is Certified by relevent agency.	39.00	Each	8500.00	₹	3,31,500.00
103.00	Supply and Installation Flameproof Exhaust Fan 12" single phase fitted with FLP motor 0.25 HP 1440 RPM Single phase. Complete Fan is Certified by relevent agency.	8.00	Each	7000.00	₹	56,000.00
104.00	Supply and Installation Flameproof /Weatherproof street light fitting in Cast Aluminum Alloy construction suitable for 90W LED with Front openable cable termination box wire guard suspension hook /strip. Certified by relevent agency.	20.00	Each	5200.00	₹	1,04,000.00
105.00	Supply of Following Size. XLPE insulated, PVC sheathed Al. conductor armoured power cable of 1.1 KV grade conforming to IS:7098 Part-I with upto date amendment etc. complete as required. 3.5 core x 240 sq.mm.	500.00	meter	1150.00	₹	5,75,000.00

106.00	Supply and Laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required. 120 mm dia (OD-120 mm & ID-103 mm nominal)	500.00	Meter	225.00	₹	1,12,500.00
107.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/PVC pipe as required Above 185 sq. mm and upto 400 sq. mm	500.00	Meter	95.00	₹	47,500.00
108.00	Supplying and making end termination with brass compression gland and aluminum lugs for following size of XLPE insulated and PVC sheathed aluminum conductor cable of 1.1 KV grade as required 3.5 core x 240 Sq.mm (62 mm)	2.00	Set	1100.00	₹	2,200.00
109.00	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, copper tube, having single prong at top, with 85 mm dia 3 mm thick copper base plate including holes etc. complete as required.	3.00	each	2000.00	₹	6,000.00
110.00	Jointing copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	3.00	each	70.00	₹	210.00
111.00	Providing and fixing of copper tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	300.00	meter	350.00	₹	1,05,000.00
112.00	Providing and fixing copper tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	100.00	meter	400.00	₹	40,000.00
113.00	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.	5.00	set	11500.00	₹	57,500.00
114.00	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	25.00	meter	1000.00	₹	25,000.00
115.00	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	25.00	meter	775.00	₹	19,375.00
116.00	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 steel 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 C	60.00	Point	1250.00	₹	75,000.00
117.00	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	100.00	meter	300.00	₹	30,000.00
118.00	Wiring for circuit/ sub main wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	200.00	meter	255.00	₹	51,000.00
119.00	Supplying and fixing 6 module size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 01 no. each 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	5.00	Each	650.00	₹	3,250.00
120.00	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	5.00	Each	325.00	₹	1,625.00
121.00	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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) 8 way, Double door	10.00	Each	1500.00	₹	15,000.00
122.00	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps	10.00	Each	325.00	₹	3,250.00
123.00	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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	40.00	Each	200.00	₹	8,000.00
124.00	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "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 and neutral	10.00	Each	500.00	₹	5,000.00
125.00	Supply of 3.5 core x 35 Sqmm. XLPE insulated PVC sheathed armoured aluminium conductor cable of 1.1 KV Grade conforming to IS:7098 (Part 1) with upto date amendment etc. complete as required.	1000.00	Meter	245.00	₹	2,45,000.00
126.00	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required. 63 mm dia (OD-63 mm & ID-51 mm nominal)	950.00	Meter	150.00	₹	1,42,500.00
127.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Upto 35 sqmm.	950.00	meter	15.00	₹	14,250.00
128.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required. Upto 35 sqmm.	50.00	meter	350.00	₹	17,500.00
129.00	Supplying and making end termination with brass compression gland and aluminium lugs for size of 3.5 x 35 sq.mm (32 mm) PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.	20.00	set	375.00	₹	7,500.00
130.00	Supply of 3.5 core x 120 Sqmm. XLPE insulated PVC sheathed armoured aluminium conductor cable of 1.1 KV Grade conforming to IS:7098 (Part 1) with upto date amendment etc. complete as required.	2000.00	Meter	700.00	₹	14,00,000.00
131.00	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required. mm dia 120 mm 120 mm dia (OD-120 mm & ID-103 mm nominal)	1950.00	Meter	240.00	₹	4,68,000.00
132.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Above 95 sq. mm and upto 185 sq. mm	1950.00	meter	52.00	₹	1,01,400.00
133.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required. Above 95 sq. mm and upto 185 sq. mm	50.00	meter	45.00	₹	2,250.00
134.00	Supplying and making end termination with brass compression gland and aluminium lugs for size of 3.5 x 240 sq.mm (62 mm) PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.	12.00	set	1100.00	₹	13,200.00

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135.00	Supply of energy efficient 5 star rated BLDC ceiling fan, 1200 mm sweep suitable for operation on 240V, 50Hz A.C. supply with down rod canopies etc. complete as required.	5.00	Each	1850.00	₹	9,250.00
136.00	Supply of 250 mm sweep non metallic exhaust fan suitable for operation on 240V, 50Hz A.C. supply, of suitable rpm with all accessories including louvers, shutters etc. complete as required.	2.00	Each	1100.00	₹	2,200.00
137.00	Supply of 20 Watt Extruded aluminium LED BATTEN indoor light fitting (Natural White) suitable for 230 volt, 50 Hz, complete with all accessories as required.	10.00	Each	150.00	₹	1,500.00
138.00	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent / LED Fittings of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	38.00	Each	140.00	₹	5,320.00
139.00	Installation of exhaust fan of size 300 mm sweep in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	2.00	Each	300.00	₹	600.00
140.00	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	5.00	Each	150.00	₹	750.00
141.00	Earthing with G. I. pipe 4.5 m long x 40 mm dia. (Drilling of 300 mm dia, 4.5 Mtr deep by using Borewell machine) including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. including charcoal or coke and salt complete as required.	10.00	set	6500.00	₹	65,000.00
142.00	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	50.00	meter	435.00	₹	21,750.00
143.00	Supply of 60 Watt steller LED post-top light fitting offering combination of sturdy design, illumination and aesthetics in one go, IP 66 and IK 10 rating ensures it stands tall amid varied environmental conditions, with minimum output 6600 lumens suitable for 140-270 V, AC, 50 HZ, PF>0.95, Luminaire should have proper thermal management, total power consumption of fitting (including driver loss) should not more than 110 % of rated capacity of LED Light fitting, complete with all accessories as required. (Make - Havells, model no. - NEBULAPT60WLED857PSYMTOPCO or equivalent)	8.00	each	8500.00	₹	68,000.00
144.00	Supply of 25 Watt environmental friendly, new generation, energysaving, decorative IP 66 LED UP-down luminaire with wall surface mounting using COB LED as light source, with minimum output 2750 lumens suitable for 140-270 V, AC, 50 HZ, PF>0.95, luminaire should have proper thermal management, total power consumption of fitting (including driver loss) should not more than 110 % of rated capacity of LED Light fitting, complete with all accessories as required. (Make - Havells, model no. - CLIQWLS25WLED830PSYMTOTG or equivalent)	20.00	each	5850.00	₹	1,17,000.00
145.00	Supply of 50 Watt mono color warm white flood light luminaire with OEM recommended minimum output lumens suitable for 140-270 V, AC, 50 HZ, PF>0.95, luminaire should have High pressure die cast Aluminium /Standard alloy housing, and clear PC cover, Luminaire should have Air vents in housing for proper thermal management, Min IP protection should be IP 65. Total power consumption of fitting (including driver loss) should not more than 110 % of rated capacity of LED Light fitting, complete with all accessories as required. Make - Havells, model no. - JETAQUANTOPLUSFLS50WLED730P30DPC or equivalent)	12.00	each	4400.00	₹	52,800.00
146.00	Supply of high light intensity empowered color changing, IP 66/67/68 and monochromatic LED under water fountain light including driver with polarized light design and intelligent logarithmic control technology of suitable wattage as per site requirement and prior approval of E-I-C complete etc. as required.	8.00	each	2850.00	₹	22,800.00
147.00	Supply, Installation, Testing and Commissioning of IP 65 Factory made, environment friendly polycarbonate PC - GFS Insulation-enclosed power distribution board as power switchgear and controlgear assembly (PSC) in accordance with IEC 61439-2 . The enclosures must be suitable for outdoor installation - harsh environment and/or outdoor installation - the climatic effects on the equipment must be considered. Bottom parts and lids of the boxes made from impact-resistant polycarbonate, halogen and silicone-free, colour RAL 7035, transparent/Opaque lid with quick action fasteners for tool operation. Maximum water absorption 10 mg in accordance with DIN 53473. The enclosure should have mechanical strength equivalent to IK10. The Enclosure having high grade internally embedded gasket made of Polyurethane (PUR).The system should be fitted with passive solution for mitigate of condensation . Panel should be manufactured and assembled by OEM only with OEM Manufacturing certificates . Fabrication/Assembling from any system house & at site fitment will not be accepted.(bidder should submit compliance for same for polycarbonate enclosure as recommended by OEM, bidder should submit all relevant type test certificate, routine test certificate / compliance as per OEM standards).					
147.10	ITEM NO.147 : Technical Features of POLYCARBONATE Fuse DB Materials: Thermoplastic Polycarbonate (PC-GFS) ; Gasket: Internally embedded made of Polyurethane (PUR); Degree Of Protection of Enclosure: IP65 (EN60529); Burning behavior : Glow Wire Test in accordance with IEC 60695-2-11 - 960° C. UL Subject 94: V-2, flame retardant & self extinguishing; Degree of protection against mechanical load: IK10; Toxic behavior : Halogen, Silicon free; Chemical resistant : Acid, Lye, Petrol, Mineral Oil & partially resistant from Benzene; Rated Insulated Voltage : Rated insulation voltage 690Vac / 1000 Vdc; Cable entries : Shall have option for cable plate/Flange; Protection Class: Protection Class II, totally insulated; Test certificate: OEM Manufacturing & RTC ,Type Test Certificate, Warranty/Guarantee Certificate; Color: Enclosure & Accessories RAL 7035; Mounting Type: Outdoor Floor Mounted with Canopy; Mounting Structure : Mounting Structure :RAL7016; Dimension of the system : Dimension as per site requirement; Incomer Terminal : according to cable size-3.5C x 120sq.mm Al.Ar.(Cable Loop in Loop Out) RYB Indication Lamp ,Digital Amp Meter ,Digital Voltmeter; Busbar : Suitable size of CU. Busbar; Outgoing : 63A FP 25KA MCCB -2nos, 32A FP 25KA MCCB - 1nos; Outgoing Terminal Block: 25 sq.mm - 12 nos ; Gland Outgoing : IP68 Double Compression Gland with Insulation Cover GSC; Cat No. : HEN MI -2024-1A;	5.00	Job	110000.00	₹	5,50,000.00

Total in Figures

Signature Not Verified 6,15,89,161.00

Lowest Amount Quoted BY: ROCKBED RENOVATORS LIMITED(61589161.00)

Digitally signed by PRABHU NARAYAN TIWARI
Date: 2025.06.03 14:55:23 IST
Location: eProcurement System for Central PSUs