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आज़ादी का
अमृत महोत्सव

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

By Hand
स्वीड पोस्ट/ई-मेल

संख्या: भा.वि.प्रा.नि.मु.अभि.उ.क्षे./हिसार/एनएवी/ 37

दिनांक: 01.09.2023

सेवा में,

मैसर्स क्रिएटर्स इंजीनियर्स एंड इंटीरियर्स
651, मुखर्जी नगर, दिल्ली - 110009,
फ़ोन: 011-45613009, टेलीफैक्स: 27601679
मोबाइल: 9810387639
ई-मेल: creators_delhi@yahoo.co.in

M/s Creators Engineers & Interiors
651, Mukherjee Nagar, Delhi - 110009,
Ph: 011-45613009, Telefax: 27601679
Mob: 9810387639
Email: creators_delhi@yahoo.co.in

विषय: हिसार हवाई अड्डे पर एकीकृत विमानन हब का विकास (चरण-2 कार्य)।

उपशीर्ष: हिसार हवाई अड्डे पर NAV Aids (DVOR, LLZ, GP) की स्थापना के लिए संबंधित सिविल और विद्युतीय कार्य।

Sub: Development of Integrated Aviation Hub At Hisar Airport (Phase-2 Work).

SH: Associated Civil and Electrical Works for Installation of NAV Aids (DVOR, LLZ, GP) at Hisar Airport.

[Tender ID No. 2023_AAI_158897_1]

संदर्भ: 1. ई - बिड आमंत्रण संख्या 2023_AAI_158897_1

2. CPP पोर्टल के माध्यम से दिनांक 20.07.2023 को खोली गयी आपकी तकनीकी ई - निविदा तथा दिनांक 28.07.2023 को खोली गयी आपकी वित्तीय ई - निविदा।

Ref: 1. E-bid Invitation No. 2023_AAI_158897_1

2. Your Technical e-Bid opened on 20.07.2023 and Financial e-Bid opened on 28.07.2023 through CPP Portal.

महोदय / Dear Sir,

- उपर्युक्त निर्दिष्ट कार्य हेतु आपकी ई-निविदा को आपके द्वारा उद्धृत मद दरों पर कुल राशि रुपये 1,93,10,180 (रुपये एक करोड़ तिरानबे लाख दस हजार एक सौ अस्सी मात्र), जीएसटी रहित, जो कि निविदा की अनुमानित लागत रुपये 2.50 करोड़ (रुपये दो करोड़ पचास लाख मात्र) जीएसटी रहित से 22.76% कम है, अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से एतद्वारा स्वीकार 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 totaling to Rs. 1,93,10,180.00 (Rupees One Crore Ninety-Three Lakhs Ten Thousand One Hundred and Eighty Only), excluding GST, which is 22.76% Below the estimated cost put to tender of Rs. 2.50 Cr. (Rupees Two Crores Fifty Lakhs Only), excluding GST.

- उप महाप्रबंधक (अभि.-सिविल), भाविप्रा, हिसार हवाई अड्डा, हिसार - 125001 कार्य के प्रभारी अभिर्यता होंगे। आपसे दिनांक 15.09.2023 तक संयुक्त महाप्रबंधक (अभि.-सिविल), भाविप्रा, नि. मु.- उ.क्षे., तृतीय तल, बी-ब्लॉक, राजीव गांधी भवन, सफदरजंग हवाई अड्डा, नई दिल्ली के कार्यालय में उपस्थित होकर अनुबंध समझौते पर हस्ताक्षर कर पूर्ण करने के लिए अनुरोध किया जाता है। अनुबंध समझौते को रुपये 100/- (रुपये एक सौ मात्र) मूल्य के गैर-न्यायिक स्टांप पेपर पर निष्पादित किया जाएगा और स्टांप पेपर की लागत आपके द्वारा वहन की जाएगी।

Dy. General Manager (Engg-Civil), AAI, Hisar Airport, Hisar – 125001 shall be the Engineer-in-charge of the work. You are requested to attend the office of the **Jt. General Manager (Engg-Civil), AAI, CHQ-NR, 3rd Floor, B-Block, Rajiv Gandhi Bhawan, Safdarjung Airport, New Delhi by 15.09.2023** to sign and complete the Contract Agreement. The contract agreement shall be executed on a non-judicial stamp paper of value of **Rs. 100/- (Rupees One Hundred Only)** and the cost of the stamp paper shall be borne by you.

3. सभी शुद्धिपत्र, ई-निविदा प्रक्रिया के दौरान उठाए गए प्रश्न, स्पष्टीकरण आदि यदि कोई हों एवं उनके उत्तर, भी अनुबंध समझौते का हिस्सा होंगे।

All corrigendum, queries, clarifications etc., if any, raised during e-tendering process and replies thereof shall also form part of the contract agreement.

4. आपकी निविदा के साथ प्राप्त रुपये 5,00,000.00 (रुपये पांच लाख मात्र) की बयाना राशि को निविदा दस्तावेज के पृष्ठ क्रमांक GCC-22 पर खंड संख्या -1 (ए) के अनुसार सुरक्षा जमा के हिस्से के रूप में माना जाएगा और परिवर्तित किया जाएगा। कृपया इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर सुरक्षा जमा के रूप में रुपये 14,31,018.00 (रुपये चौदह लाख इकतीस हजार अठारह मात्र) जमा करें। ऐसा न करने पर निविदा दस्तावेज के पृष्ठ क्रमांक – GCC-22 पर खंड संख्या -1 (ए) की शर्त के अनुसार इस राशि की कटौती की जाएगी।

The earnest money deposit of **Rs. 5,00,000.00 (Rupees Five Lakhs Only)** received along with your tender will be treated and converted as part of security deposit as per Clause no.-1(A) at page no. GCC-22 of Tender Document. Please deposit **Rs. 14,31,018.00 (Rupees Fourteen Lakhs Thirty One Thousand and Eighteen Only)** towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted as per condition of Clause no.-1(A) at page no. GCC-22 of tender document.

5. आपसे अनुरोध है कि ठेका श्रम (विनियमन और उत्सादन) अधिनियम 1970 एवं ठेका श्रम (विनियमन और उत्सादन) केंद्रीय नियम 1971, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, भवन और अन्य निर्माण श्रमिक (सेवा की शर्तों के रोजगार का विनियमन) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम 1996, न्यूनतम मजदूरी अधिनियम 1948, ई.पी.एफ. अधिनियम 1952, ई.एस.आई. अधिनियम 1948 तथा केंद्र और राज्य सरकार के नियमों के प्रावधान का पालन 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, Child Labour (Prohibition and Regulation) Act 1986, Building and other Construction Workers (Regulation of Employment of Conditions of Service) Act 1996, Building and other Construction Workers Welfare Cess Act 1996, Minimum Wages Act 1948, EPF Act 1952 & ESI Act 1948 & rules thereof Central & State Governments.

6. कृपया ध्यान दें कि कार्य करने के लिए अनुमत समय चार (04) माह होगा और इसे इस पत्र के जारी होने की तारीख से दसवें दिन से संगणित किया जाएगा। इस बात पर बल दिया जाता है कि समयावधि का सख्ती से पालन किया जाना है।

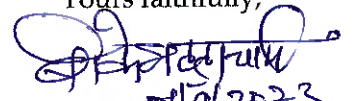
Please note that the time allowed for carrying out the work shall be **Four (04) months** and same shall be reckoned from the tenth day from the date of issue of this letter. It is emphasized that the time schedule is to be strictly adhered to.

7. आपको उप महाप्रबंधक (अभि.-सिविल), भाविप्रा, हिसार हवाई अड्डा से तुरंत संपर्क करने के लिए भी निर्देशित किया जाता है जो संबंधित साइट को आपको सौंपने की व्यवस्था करेंगे।
You are also directed to contact Dy. General Manager (Engg-C), AAI, Hisar Airport immediately who will arrange to hand over the site to you.
8. इस कार्यदेश की संख्या भा.वि.प्रा./नि.मु./अभि.(उ.क्षे.)/हिसार/एनएवी आर्वांटि की जाती है, जो आपके द्वारा इस कार्य आदेश के संबंध में भविष्य के सभी पत्राचार के लिए उद्धृत की जाएगी।
This work order is allotted the number AAI/CHQ/Engg(NR)/Hisar/NAV which shall be quoted by you for all future correspondence in connection with this work order.
9. यह कार्यदेश निविदा दस्तावेज के साथ अनुबंध समझौते का हिस्सा बनेगा।
This work order shall form part of the Contract Agreement alongwith Tender Document.
10. अनुबंध के संबंध में भविष्य में कोई भी अन्य पत्राचार समान्यतः प्रभारी अभियंता, हिसार हवाई अड्डे को संबोधित किया जाना चाहिए।
Any further correspondence in connection with the contract should normally be addressed to the Engineer In-Charge, Hisar Airport.
11. कृपया पावती की सूचना दें तथा स्वीकृति के प्रतीक के रूप में इस पत्र की संलग्न दूसरी प्रति पर विधिवत हस्ताक्षर करने के उपरांत अधोहस्ताक्षरी को वापस भेजें।
Please acknowledge the receipt and return the enclosed duplicate copy of this letter after duly signing it, to the undersigned as a token of acceptance.
12. यदि हिन्दी अथवा अंग्रेजी संस्करण के बीच कोई विसंगति पाई जाती है, तो अंग्रेजी संस्करण ही मान्य होगा।
In case of any discrepancy found between Hindi or English version, then English version will prevail.

संलग्न : Price Schedule

भवदीय,

Yours faithfully,



(बी. के. भट्टाचार्य)

(B. K. Bhattacharya)

संयुक्त महाप्रबंधक (अभि.-सिविल)

Jt. General Manager (Engg. -Civil)

अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण के लिए व उनकी तरफ से

For and on behalf of the Chairman,
Airports Authority of India

Item Rate BOQ

Tender Inviting Authority: Asstt. General Manager (Engg.-Civil), Airports Authority of India, O/o Executive Director (Engg.)-HR, Corporate Head Quarters, B-Block, 3rd Floor, Rajiv Gandhi Bhawan, Safdarjung Airport, New Delhi-110 003

Name of Work: Development of Integrated Aviation Hub At Hisar Airport (Phase-2 Work) SH: Associated Civil and Electrical Works for installation of NAV Aids (DVOR, LLZ, GP) at Hisar Airport

Contract No: AAVCHQ/Engg(NR)/Hisar/NAV

Name of the Bidder/Bidding Firm / Company: Creators Engineers And Interiors

(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 Taxes In Rs. P	TOTAL AMOUNT In Words
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	35140	Sqm	8.00	281120.00	INR Two Lakh Eighty One Thousand One Hundred & Twenty Only
2	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 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge. All kinds of soil	3400	Sqm	80.00	272000.00	INR Two Lakh Seventy Two Thousand Only
3	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 upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge. All kinds of soil	720	Cum	230.00	165600.00	INR One Lakh Eighty Thousand Only
4	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil	333	Cum	250.00	83250.00	INR Eighty Three Thousand Two Hundred & Fifty Only
5	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, 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 50 m. All Kinds of soil					
5.01	Pipes, cables etc. not exceeding 80 mm dia.	3000	metre	150.00	450000.00	INR Four Lakh Fifty Thousand Only
5.02	Pipes, cables etc. exceeding 80 mm dia but not exceeding 600 mm	342	metre	200.00	68400.00	INR Sixty Eight Thousand Four Hundred Only
6	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	329	Cum	150.00	49350.00	INR Forty Nine Thousand Three Hundred & Fifty Only
7	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil	71	Cum	100.00	7100.00	INR Seven Thousand One Hundred Only
8	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	19	Cum	1600.00	30400.00	INR Twenty Eight Thousand Five Hundred Only
9	Supplying chemical emulsion in sealed containers including delivery as specified a) Chlorpyrifos emulsifiable concentrate of 20%	170	Litre	250.00	42500.00	INR Forty Two Thousand Five Hundred Only
10	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion): a) Treatment of existing masonry using chemical emulsion @ one litre per hole at 300 mm interval including drilling holes at 45 degree and plugging them with cement mortar 1:2 (1 coarse sand) to the full depth of the hole. b) With Chlorpyrifos E.C. 20% with 1% concentration	50	metre	250.00	12500.00	INR Twelve Thousand Five Hundred Only
11	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: a) 1:2:4 (1 cement, 2 coarse sand (zone-III) derived from natural sources, 4 graded stone aggregate 20 mm nominal size derived from natural sources)	20	cum	5500.00	110000.00	INR One Lakh Ten Thousand Only
12	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: a) 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)	478	cum	5200.00	2486400.00	INR Twenty Four Lakh Eighty Five Thousand Six Hundred Only
13	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement, 2 coarse sand (zone-III) derived from natural sources, 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	15	sqm	780.00	11700.00	INR Eleven Thousand Two Hundred & Fifty Only
14	Providing and laying in position ready mixed or site batched design mix cement concrete for plain cement concrete work, using coarse aggregate and fine aggregate derived from natural resources, Portland Pozzolana/Ordinary Portland 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 loads, but excluding the cost of centering, shuttering and finishing 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 minimum specified cement content the contractor shall have the option to either re-design the mix or bear the cost of extra cement. All works upto plinth level. C concrete of M25 grade with minimum cement content of 300 kg /cum	450	cum	6500.00	2925000.00	INR Twenty Nine Lakh Twenty Five Thousand Only
15	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level: a) 1:1.5:3 (1 cement, 1.5 coarse sand (zone-III) derived from natural sources, 3 graded stone aggregate 20 mm nominal size derived from natural sources)	30	cum	6500.00	195000.00	INR One Lakh Ninety Five Thousand Only
16	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement, 1.5 coarse sand (zone-III) derived from natural sources, 3 graded stone aggregate 20 mm nominal size derived from natural sources)	16	cum	6800.00	108800.00	INR One Lakh Eight Thousand Only
17	Centering and shuttering including strutting, propping etc and removal of form for: a) Foundations, footings, bases of columns, etc. for mass concrete	410	sqm	350.00	143500.00	INR One Lakh Fifty Thousand Five Hundred Only

Rev
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Adar
AGM/EC

Adar

Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Taxes in Rs. P	TOTAL AMOUNT in Words
18	Centering and shuttering including strutting, propping etc and removal of form for : b) Suspended floors, roofs, landings, balconies and access platform	80	sqm	350.00	28000.00	INR Twenty Eight Thousand Only
19	Centering and shuttering including strutting, propping etc and removal of form for : a) Weather shade, Chajjas, corbels etc., including edges	25	sqm	400.00	10000.00	INR Ten Thousand Only
20	Providing, heating and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering but, excluding cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	0.10	cum	7000.00	700.00	INR Seven Hundred Only
21	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	13700	Kg	80.00	1096000.00	INR Ten Lakh Ninety Six Thousand Only
22	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.	2240	Kg	80.00	179200.00	INR One Lakh Seventy Nine Thousand Two Hundred Only
23	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	92	Cum	6500.00	598000.00	INR Five Lakh Ninety Eight Thousand Only
24	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in Cement mortar 1:4 (1 cement : 4 coarse sand)	135	Cum	5500.00	742500.00	INR Seven Lakh Forty Two Thousand Five Hundred 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)	20	cum	5200.00	104000.00	INR One Lakh Four Thousand 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)	44	cum	6500.00	286000.00	INR Two Lakh Eighty Six Thousand Only
27	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in Cement mortar 1:4 (1 cement : 4 coarse sand)	20	sqm	850.00	17000.00	INR Seventeen Thousand Only
28	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)	19	sqm	858.00	16302.00	INR Sixteen Thousand One Hundred & Fifty Only
29	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	19	sqm	75.00	1425.00	INR One Thousand Four Hundred & Twenty Five Only
30	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, monitoring and polishing of edges to give high gloss finish etc. complete at all levels. Granite stone slab of colour black, Cherry/Ruby red Area of slab over 0.50 sqm	4	sqm	5000.00	20000.00	INR Twenty Thousand Only
31	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including unloading, rubbing and polishing of cut edges etc. complete.	1	each	1500.00	1500.00	INR One Thousand Five Hundred Only
32	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part 1) 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	8	sqm	5000.00	40000.00	INR Forty Thousand Only
33	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	202	Kg	120.00	24240.00	INR Twenty Four Thousand Two Hundred & Forty Only
34	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete	4	each	1000.00	4000.00	INR Four Thousand Only
35	Providing and fixing aluminum extruded section body tubular type universal hydraulic door closer (having brand logo with ISI : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete	6	each	1500.00	9000.00	INR Nine Thousand Only
36	Providing and fixing aluminum sliding door bolts, ISI marked anodized (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					
36.01	250x16 mm	7	each	250.00	1750.00	INR One Thousand Seven Hundred & Fifty Only
37	Providing and fixing aluminum tower bolts, ISI marked, anodized (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					
37.01	150x10 mm	16	each	150.00	2400.00	INR Two Thousand Four Hundred Only
38	Providing and fixing aluminum handles, ISI marked, anodized (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					
38.01	125 mm	16	each	100.00	1600.00	INR One Thousand Six Hundred Only
39	Providing and fixing aluminum hanging floor door stopper, ISI marked, anodized (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					
39.01	Single rubber stopper	8	each	150.00	1200.00	INR One Thousand Two Hundred Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Taxes in Rs. P	TOTAL AMOUNT In Words
40	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / stone finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS - 2046 Type S, including cost of adhesive of approved quality.					
40.01	10 mm thick	11	Sqm	750.00	8250.00	INR Eight Thousand Two Hundred & Fifty Only
41	Providing and fixing factory made Fiberglass Reinforced plastics (FRP) chajin 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings. The FRP Chajin should be manufactured using unsaturated Polyester resin as per IS 6746, duly reinforced with fibre glass chopped strand mat (CSM) as per IS 11551 complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight (Only plan area of chajins shall be measured for making payment)	6	Sqm	3500.00	21000.00	INR Twenty One Thousand Only
42	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 at 600 mm 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 8 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.	220	Sqm	1000.00	220000.00	INR Two Lakh Twenty Thousand Only
43	Providing and fixing in wall lining medium density fibre board IS: 14587/1998 marked, Pre-laminated one side decorative lamination and other side balancing lamination, with necessary fixing arrangement and screws etc. complete. 12 mm thick	42	Sqm	1600.00	67200.00	INR Sixty Three Thousand Only
44	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	30	Kg	110.00	3300.00	INR Three Thousand Three Hundred Only
45	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	9	Sqm	5000.00	45000.00	INR Forty Five Thousand Only
46	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 25 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 C: Fixing with adjustable lugs with split end tail to each jamb	22	metre	500.00	11000.00	INR Eleven Thousand Only
47	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	620	Kg	100.00	62000.00	INR Sixty Two Thousand Only
48	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. a) In stringers, beams, landings etc. of stair cases, including use of chequered plate wherever required, all complete.	1000	Kg	110.00	110000.00	INR One Lakh Ten Thousand Only
49	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. b) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	2570	Kg	100.00	257000.00	INR Two Lakh Fifty Seven Thousand Only
50	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS 15622 of 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.	8	Sqm	1500.00	12000.00	INR Twelve Thousand Only
51	Providing and fixing 1st quality ceramic glazed floor 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 dashes over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete	40	Sqm	1000.00	40000.00	INR Forty Thousand Only
52	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. 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 tile Matt/Asusled finish of size Size of Tile 600 x 600 mm	164	Sqm	1200.00	196800.00	INR One Lakh Ninety Six Thousand Eight Hundred Only
53	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to IS 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	10	Sqm	1100.00	11000.00	INR Eleven Thousand Only
54	Making khouras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x 1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete	2	each	1500.00	3000.00	INR Three Thousand Only

For
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Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Taxes In Rs. P	TOTAL AMOUNT In Words
55	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, (1) Single socketed pipes 110 mm diameter	8	metre	250.00	2000.00	INR Two Thousand Only
56	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.					
56.01	Bend 87.5° 110 mm bend	4	each	500.00	2000.00	INR Two Thousand Only
57	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	2	each	600.00	1000.00	INR One Thousand Only
58	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.					
58.01	Shoe (Plain) 110 mm Shoe	2	each	200.00	400.00	INR Four Hundred Only
59	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long clasp fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge					
59.01	12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metallized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metallized polyester film so as to make the tile a completely sealed unit	52	sqm	1500.00	78000.00	INR Seventy Eight Thousand Only
60	12 mm cement plaster of mix					
60.01	1:6 (1 cement: 6 fine sand)	98	sqm	200.00	19600.00	INR Nineteen Thousand Six Hundred Only
61	15 mm cement plaster on the rough side of single or half brick wall of mix					
61.01	1:6 (1 cement: 6 fine sand)	98	Sqm	250.00	24500.00	INR Twenty Four Thousand Five Hundred Only
62	15 mm cement plaster on the rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)	158	Sqm	250.00	39500.00	INR Thirty Nine Thousand Five Hundred Only
63	12 mm cement plaster finished with a floating coat of neat cement of mix: 1:4 (1 cement: 4 fine sand)	20	sqm	200.00	4000.00	INR Four Thousand Only
64	6 mm cement plaster of mix:					
64.01	1:3 (1 cement: 3 fine sand)	71	sqm	220.00	15620.00	INR Fifteen Thousand Six Hundred & Twenty Only
65	Distemper with oil bound washable distemper of approved brand and manufacture to give an even shade:					
65.01	New work (two or more coats) over and including water thinnable priming coat with cement primer	267	Sqm	50.00	13350.00	INR Thirteen Thousand Three Hundred & Fifty Only
66	Finishing walls with water proofing cement paint of required shade:					
66.01	New work (Two or more coats applied @ 3.84 kg/10 sqm)	158	sqm	80.00	12640.00	INR Twelve Thousand Six Hundred & Forty Only
67	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:					
67.01	Two or more coats on new work	179	Sqm	100.00	17900.00	INR Seventeen Thousand Nine Hundred Only
68	Providing and fixing 16 mm M.S. Fan clamps of standard shape and size as existing R.C.C. slab, including cutting chase, anchoring clamp to reinforcement bar, including cleaning, refilling, making good the chase with matching concrete, plastering and painting the exposed portion of the clamps complete.	3	each	160.00	480.00	INR Four Hundred & Fifty Only
69	Cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 40 mm nominal size) to pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	23	cum	5600.00	126500.00	INR One Lakh Twenty Six Thousand Five Hundred Only
70	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 7234, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required.					
70.1	W.C. pan with ISI marked white solid plastic seat and lid	2	each	5000.00	10000.00	INR Ten Thousand Only
71	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush head, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: W.C. pan with ISI marked white solid plastic seat and lid	1	each	15000.00	15000.00	INR Fifteen Thousand Only
72	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:					
72.01	White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm C.P. brass pillar tap	3	each	5000.00	15000.00	INR Fifteen Thousand Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Taxes in Rs. P	TOTAL AMOUNT In Words
73	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required Kitchen sink with drain board - 510x1040 mm bowl depth 178 mm	1	each	4099.99	4099.99	INR Four Thousand Only
74	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Europana type W.C. of quality and make as approved by Engineer - in-charge	1	each	1609.99	1609.99	INR Four Thousand Five Hundred Only
75	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	2	each	109.99	209.99	INR Two Hundred Only
76	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	each	100.00	200.00	INR Two Hundred Only
77	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	each	1600.00	1600.00	INR One Thousand Five Hundred Only
78	Providing and fixing toilet paper holder - C.P. brass	3	each	1090.00	3090.00	INR Three Thousand Only
79	Providing and fixing soil, waste and vent pipes					
79.01	75 mm diameter - Centrifugally cast (spun) iron socketed pipe as per IS - 3989	12	metre	1200.00	14400.00	INR Fourteen Thousand Four Hundred Only
80	Providing and filling the joints with open yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./C.I. Pipes - 75 mm dia pipe	7	each	500.00	3500.00	INR Three Thousand Five Hundred Only
81	Providing and fixing terminal guard - 75 mm - Sand cast iron S&S as per IS - 3989	3	each	1600.00	4800.00	INR Four Thousand Five Hundred Only
82	Providing and fixing collar - 75 mm - Sand cast iron S&S as per IS - 1729	3	each	1500.00	4500.00	INR Four Thousand Five Hundred Only
83	Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter - 75 mm	10	each	100.00	1000.00	INR One Thousand Only
84	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floor - 100 mm inlet and 75 mm outlet - Sand cast iron S&S as per IS - 3989	2	each	100.00	200.00	INR Two Hundred Only
85	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	1	each	500.00	500.00	INR Five Hundred Only
86	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 92 gms.	1	each	500.00	500.00	INR Five Hundred Only
87	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with C.P. brass screws with concealed fittings arrangement of approved quality and colour					
87.01	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms	1	each	800.00	800.00	INR Eight Hundred Only
88	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & 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 - 15 mm nominal dia Pipes	10	metre	250.00	2500.00	INR Two Thousand Five Hundred Only
89	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & 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. a) 25 mm nominal dia Pipes	12	metre	300.00	3600.00	INR Three Thousand Six Hundred Only
90	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & 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. b) 50 mm nominal dia Pipes	30	metre	300.00	10500.00	INR Ten Thousand Five Hundred Only
91	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. 20 mm nominal dia Pipes	20	metre	250.00	5000.00	INR Five Thousand Only
92	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & 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 - 25 mm nominal dia Pipes	150	metre	275.00	66250.00	INR Ninety Six Thousand Two Hundred & Fifty Only
93	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & 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	100	metre	450.00	45000.00	INR Forty Five Thousand Only
94	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) - 20 mm nominal bore	4	each	750.00	3000.00	INR Three Thousand Only
95	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) - 25 mm nominal bore	1	each	1000.00	1000.00	INR One Thousand Only
96	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) - 50 mm nominal bore	1	each	1500.00	1500.00	INR One Thousand Five Hundred Only
97	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 15mm nominal bore	2	each	500.00	1000.00	INR One Thousand Only
98	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete: 25 mm nominal bore	2	each	600.00	1200.00	INR One Thousand Two Hundred Only
99	Providing and fixing unplasticised PVC connection pipe with brass unions: 45 cm length - 15 mm nominal bore	2	each	100.00	200.00	INR Two Hundred Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE IN Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Taxes in Rs. P	TOTAL AMOUNT In Words
100	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	litre	6.50	6500.00	INR Six Thousand Five Hundred Only
101	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to IS-12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & overflow pipes. The base support i/c fittings & fixtures for tank shall be paid separately	1000	litre	6.50	6500.00	INR Six Thousand Five Hundred Only
102	Providing and fixing C.P. brass bib cock of approved quality conforming to IS 8931 15 mm nominal bore	4	each	1000.00	4000.00	INR Four Thousand Only
103	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	3	each	1000.00	3000.00	INR Three Thousand Only
104	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931 15mm nominal bore	7	each	1000.00	7000.00	INR Seven Thousand Only
105	Providing and fixing PIMT bib cock of approved quality and colour. 15mm nominal bore, 86 mm long, weighing not less than 88 gms	6	each	600.00	3600.00	INR Three Thousand Only
106	Providing and fixing PIMT grating of approved quality and colour a) Circular type i) 125 mm nominal dia with 25 mm waste hole	2	each	200.00	400.00	INR Four Hundred Only
107	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete a) 100 mm diameter	50	metre	600.00	30000.00	INR Thirty Thousand Only
108	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design a) 100 mm diameter S.W. pipe	50	metre	600.00	30000.00	INR Thirty Thousand Only
109	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 x 300 mm size (inside) the weight of cover to be not less than 450 kg and frame to be not less than 2.70 kg as per standard design. a) 100 x 100 mm size P type i) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2	each	2500.00	5000.00	INR Five Thousand Only
110	Providing and laying non-pressure NF2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete 100 mm dia. R.C.C. pipe	250	metre	600.00	150000.00	INR One Lakh Fifty Thousand Only
111	Providing and laying non-pressure NF2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete 150 mm dia. R.C.C. pipe	400	metre	850.00	340000.00	INR Three Lakh Forty Thousand Only
112	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-II) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels 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 complete as per standard design Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg). With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2	each	4000.00	8000.00	INR Eight Thousand Only
113	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. a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1	each	5000.00	15000.00	INR Fifteen Thousand Only
114	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 bending 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) a) For fixed portion i) Powder coated aluminium (minimum thickness of powder coating 50 micron)	184	Kg	350.00	64400.00	INR Sixty Four Thousand Four Hundred Only
115	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 bending 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) a) 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) i) Powder coated aluminium (minimum thickness of powder coating 50 micron)	171	Kg	375.00	64125.00	INR Sixty Four Thousand One Hundred & Twenty Five Only
116	Providing and fixing 12 mm thick prelaminate 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 a) Pre laminated particle board with decorative lamination on one side and balancing lamination on other side	4	Sqm	850.00	3400.00	INR Three Thousand Four Hundred Only
117	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 bending shall be paid in basic item) a) With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	11	Sqm	950.00	10450.00	INR Ten Thousand Four Hundred & Fifty Only

Ram
MPE (e-c)

JP

Adar
ARM/E-L

Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Taxes in Rs. P	TOTAL AMOUNT In Words
118	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25°C, 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under: Joint strength, in longitudinal and transverse direction at 23°C as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane. 3 mm thick.	83	Sqm	560.00	46480.00	INR Forty Five Thousand Six Hundred & Fifty Only
119	Grading roof for water proofing treatment with Cement mortar 1:3 (1 cement : 3 coarse sand)	8	cum	600.00	4800.00	INR Four Thousand Only
120	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 walling at junctions and fixing the frame to wall/ ceiling/floors with steel dash fasteners of 8 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.	304	Kg	100.00	30400.00	INR Thirty Thousand Four Hundred Only
121	Providing and fixing in wall lining medium density fibre board IS 14587 1998 marked, Pre-laminated one side decorative lamination and other side balancing lamination, with necessary fixing arrangement and screws etc. complete, 12 mm thick	30	Sqm	1600.00	48000.00	INR Forty Five Thousand Only
122	Providing and fixing thermal insulation with resin bonded fibre glass wool conforming to IS 8183 having density 24 kg/cum, 50 mm thick, wrapped in 200 G Virgin Polythene bags fixed to wall with screw, rawal plug & washers and held in position by criss crossing GI wire etc. complete as per direction of the Engineer-in-Charge.	30	Sqm	300.00	9000.00	INR Nine Thousand Only
123	Providing and fixing thermal insulation with resin bonded fibre glass wool conforming to IS 8183 having density 16 kg/cum, 50 mm thick, wrapped in 200 G Virgin Polythene bags placed over existing false ceiling and held in position by criss crossing GI wire.	52	Sqm	500.00	26000.00	INR Twenty Six Thousand Only
124	Providing and fixing GI pipes complete with fittings including trenching and refilling etc. External work					
124.01	80 mm dia nominal bore	1400	metre	500.00	70000.00	INR Seven Lakh Seventy Thousand Only
124.02	50 mm dia nominal bore	450	metre	400.00	18000.00	INR One Lakh Eighty Thousand Only
125	Boring/drilling bore well of required dia for casing/ slotted pipe, by suitable method prescribed in IS 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level. All types of soil, 300 mm dia	100	metre	700.00	70000.00	INR Seventy Thousand Only
126	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.	40	metre	1200.00	48000.00	INR Forty Eight Thousand Only
127	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.	40	metre	1200.00	48000.00	INR Forty Eight Thousand Only
128	Gravel packing in tubewell construction in accordance with IS 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	6	cum	4500.00	27000.00	INR Twenty Seven Thousand Only
129	Development of tube well in accordance with IS 2800 (part I) and IS 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, the development of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	60	Hour	600.00	36000.00	INR Thirty Six Thousand Only
130	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of 150 mm dia	2	each	4000.00	8000.00	INR Eight Thousand Only
131	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS 2800 (part I), including necessary bolts & nuts of required size complete.	2	each	1000.00	2000.00	INR Two Thousand Only
132	Providing and fixing But plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS 2800 (part I).	2	each	1000.00	2000.00	INR Two Thousand Only
133	Providing and fixing of prefabricated (frangible) hut of size 8m x 5m (interior to exterior) and 3000 mm height along the wall and 3500 mm at the centre. It is made of 50 mm thick sandwich panel made of 2 mm thick FRP/GRP sheet at the outer sides and middle part consists of PU foam of density 40 kg/m ³ which has to be installed in the operational area. Provision of one no. of partition wall with partially glass door of size 920 mm (w) x 2000 mm (height) & locking arrangement and provision of one no. door of size 920 mm (w) x 2000 mm (h) with locking facility at the shorter side wall with a suitable provision necessary holes on wall for passing AC conduit and suitable provision necessary holes for electrical cable and a suitable provision necessary holes for N.A.V-AID cable as per requirement etc. The cost of the hut is inclusive of design, vetting of design by Govt. Engg. College, fabrication, transportation and commissioning of the hut at the proposed site as per drawing given in tender document and specification over cement concrete platform (Cement Concrete platform shall be paid separately). The exterior of the hut shall be provided with design of white and red squares (2 feet x 2 feet) and as per direction of E-I-C. All complete as per attached drawing and as directed by the Engineer-in-Charge.	2	job	350000.00	700000.00	INR Seven Lakh Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Taxes in Rs. P	TOTAL AMOUNT in Words
134	Providing and fixing of prefabricated (frangible hut) of size 2m x 2m (outer to outer) and 3000 mm height along one wall and 3500 mm at the opposite wall. It is made of 50 mm thick sandwich panel made of 2 mm thick FRP/GRP sheet at the outer sides and middle part consists of PU foam of density 40 kg/m ³ which has to be installed in to the operational area. Provision of one no. door of size 920 mm (w) x 2000 mm (h) with locking facility at the higher side wall with a provision of necessary hole arrangements on wall for passing AC conduit and necessary hole arrangements for electrical cable and necessary hole arrangements for NAV-AID cable etc. The cost of the hut is inclusive of design, vetting of design by Govt. Engg. College, fabrication, transportation and commissioning of the hut at the proposed site as per drawing given in tender document and specification over cement concrete platform. (Cement Concrete platform shall be paid separately). The exterior of the hut shall be provided with design of white and red squares (2 feet x 2 feet) and as per direction of F-I-C. All complete as per attached drawing and as directed by the Engineer-in-Charge.	1	job	175000.00	175000.00	INR One Lakh Seventy Five Thousand Only
135	Providing and fixing of prefabricated (frangible hut) of size 2m x 2m (outer to outer) and 3000 mm height along one wall and 3500 mm at the opposite wall. It is made of 50 mm thick sandwich panel made of 2 mm thick FRP/GRP sheet at the outer sides and middle part consists of PU foam of density 40 kg/m ³ which has to be installed in to the operational area. Provision of one no. door of size 920 mm (w) x 2000 mm (h) with locking facility at the higher side wall with a provision of exhaust fan at higher wall and necessary hole arrangement for electrical installations and necessary hole arrangement for sanitary installations etc. The cost of the hut is inclusive of design, vetting of design by Govt. Engg. College, fabrication, transportation and commissioning of the hut at the proposed site as per drawing given in tender document and specification over cement concrete platform. (Cement Concrete platform shall be paid separately). The exterior of the hut shall be provided with design of white and red squares (2 feet x 2 feet) and as per direction of F-I-C. All complete as per attached drawing and as directed by the Engineer-in-Charge.	2	job	175000.00	350000.00	INR Three Lakh Fifty Thousand Only
136	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work, 150 mm dia nominal bore	1000	metre	1500.00	1500000.00	INR Fifteen Lakh Only
137	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)	77	Point	850.00	65450.00	INR Sixty Five Thousand Four Hundred & Fifty Only
138	Wiring for group controlled (looped) light point/fan point/exhaust fan point/call bell point (without independent switch etc.) with 1.5 sq mm FRLS PVC insulated copper conductor single core cable in surface/recessed steel conduit and earthing the point with 1.5 sq mm FRLS PVC insulated copper conductor single core cable etc. as required. (Group C)	26	Point	550.00	14300.00	INR Fourteen Thousand Three Hundred Only
139	Wiring for circuit/ sub-main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required. 2x1.5 sq mm + 1x1.5 sq mm earth wire.	150	metre	140.00	21000.00	INR Twenty One Thousand Only
140	Wiring for circuit/ sub-main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required. 2x4 sq mm + 1x4 sq mm earth wire	1190	metre	260.00	309400.00	INR Three Lakh Nine Thousand Four Hundred Only
141	Wiring for circuit/ sub-main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required. 2x6 sq mm + 1x6 sq mm earth wire	150	metre	320.00	48000.00	INR Forty Eight Thousand Only
142	Wiring for circuit/ sub-main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required. 2x10 sq mm + 1x6 sq mm earth wire	30	metre	380.00	11400.00	INR Eleven Thousand Four Hundred Only
143	Wiring for circuit/ sub-main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed steel conduit as required. 4x10 sq mm + 2x6 sq mm earth wire	60	metre	400.00	24000.00	INR Twenty Four Thousand Only
144	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/recessed steel/PVC conduit as required					
144.01	1 run of cable	150	metre	55.00	8250.00	INR Eight Thousand Two Hundred & Fifty Only
145	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.					
145.01	20mm	120	metre	80.00	9600.00	INR Nine Thousand Six Hundred Only
146	Supplying and fixing following sizes/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required. (For Voice & Data Outlet)					
146.01	2 Module (75mm X 75mm)	8	each	250.00	2000.00	INR Two Thousand Only
146.02	3 Module (100mm X 75mm)	12	each	300.00	3600.00	INR Three Thousand Six Hundred Only
147	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
147.01	Telephone socket outlet	8	each	250.00	2000.00	INR Two Thousand Only
147.02	RJ 45	12	each	480.00	6400.00	INR Five Thousand Four Hundred Only
148	Supply and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	32	each	500.00	16000.00	INR Sixteen Thousand Only
149	Supply 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 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	119	each	610.00	60590.00	INR Sixty Thousand Six Hundred & Ninety Only
150	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	15	each	1400.00	21000.00	INR Twenty One Thousand Only

Per
M/E-C

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M/E-C

Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Taxes in Rs. P	TOTAL AMOUNT in Words
151	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, sheet protected, duly powder painted, inclusive of 200 A timed copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note: Vertical type MCB TPDB is normally used where 3 phase outlets are required.)					
151.01	12 Way (4+36) Double Door	1	each	9500.00	28500.00	INR Twenty Eight Thousand Five Hundred Only
152	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with (timed) copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)					
152.01	16 Way Double Door	3	each	3500.00	10500.00	INR Ten Thousand Five Hundred Only
153	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V on surface/ recess, complete with timed copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/isolator)					
153.01	4 way (4+12), Double door	1	each	9500.00	28500.00	INR Twenty Eight Thousand Five Hundred Only
154	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
154.01	Single Pole	144	each	220.00	31680.00	INR Thirty One Thousand Six Hundred & Eighty Only
155	Supply and fixing of following rating 415 V, 10 kA "C" series, Miniature Circuit Breaker in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
155.01	40 A, Four Pole, 415 V	9	each	1800.00	16200.00	INR Sixteen Thousand Two Hundred Only
155.02	63 A, Four Pole, 415 V	1	each	1800.00	5400.00	INR Five Thousand Four Hundred Only
156	Supplying and fixing following rating, double pole (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
156.01	40 Amp	9	each	1200.00	10800.00	INR Ten Thousand Eight Hundred Only
156.02	63 Amp	3	each	1200.00	3600.00	INR Three Thousand Six Hundred Only
157	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
157.01	63 Amp	1	each	4800.00	13600.00	INR Thirteen Thousand Five Hundred Only
158	Supplying and fixing following rating, double pole, 240 V, Isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
158.01	63 Amp	3	each	450.00	1350.00	INR One Thousand Three Hundred & Fifty Only
159	Supply Installation Testing and Commissioning of 1.5 Ton Split AC unit 5 star rating along with inbuilt inverter etc as required.	15	each	59000.00	750000.00	INR Seven Lakh Fifty Thousand Only
160	Light Fittings and Fan					
160.01	Supply of LED false ceiling type recessed type (600 mm x 600mm) fitting extruded aluminium luminaire with heat sink installed back side, high quality diffuser fix in front frame total system output 4320 lm with LED light fitting efficiency min 120 lumens/watt and driver efficiency ≥ 85%, Power Factor ≥ 0.95 with power consumption not less than 110% of rated capacity of LED light fittings lamp color 5700K, complete with electronic driver, CRI 80, Unified glare ratings: 19, THD < 10% operating range 150 – 270V 50 HZ AC supply voltages, surge protection > 2kV driver (in built), IP ≥ 20 or higher, warranty 5 years on complete luminaire i/c driver/control gear/LED all accessories, lockable holders and including connection etc complete as required as per technical specification and as per preferred/Approved make list of AAI.	16	each	3000.00	48000.00	INR Forty Eight Thousand Only
160.02	Supply of LED false ceiling type recess type downlighter ROUND extruded luminaire with heat sink installed back side, high quality diffuser fix in front frame total system output of 1500 lm with LED Light fitting efficiency min 100 lumens/watt and driver efficiency ≥ 85%, Power Factor ≥ 0.95 with power consumption not less than 110% of rated capacity of LED light fittings lamp color 5700K, complete with electronic driver, CRI 80, Unified glare ratings: 19, THD < 10% operating range 150 – 270V 50 HZ AC supply voltages, surge protection > 2kV driver (in built), IP ≥ 20 or higher, warranty 5 years on complete luminaire i/c driver/control gear/LED all accessories, lockable holders and including connection etc complete as required as per technical specification and as per preferred/Approved make list of AAI.	17	each	850.00	14450.00	INR Fourteen Thousand Four Hundred & Fifty Only
160.03	Supply of LED Surface type fitting extruded aluminium luminaire with heat sink installed back side, high quality diffuser fix in front frame total system output 2000 lm with LED Light fitting efficiency min 100 lumens/watt and driver efficiency ≥ 85%, Power Factor ≥ 0.95 with power consumption not less than 110% of rated capacity of LED light fittings lamp color 5700K, complete with electronic driver, CRI 80, Unified glare ratings: 19, THD < 10% lamp life 50,000 hrs, operating range 150 – 270V AC 50HZ supply voltages, surge protection > 2kV driver (in built), IP ≥ 20 or higher, warranty 5 years on complete luminaire i/c driver/control gear/LED all accessories, lockable holders and including connection etc complete as required as per technical specification and as per preferred/Approved make list of AAI.	30	each	850.00	25500.00	INR Twenty Five Thousand Five Hundred Only
160.04	Supply of Portable Emergency LED Light with Lithium ion rechargeable battery on 230 V 50Hz 1-Phase supply having discharge time 5-6 hrs etc complete as required as per preferred/Approved make list of AAI.	10	each	3500.00	35000.00	INR Thirty Five Thousand Only
160.05	Supply of LED Aviation Obstruction Light suitable for 230 V 50HZ AC Supply complete as required as per Approved make list.	1	each	19000.00	38000.00	INR Thirty Thousand Only
160.06	Supply of 200 Watt LED Flood light suitable for 230 Volt 50 HZ die cast aluminium with IP 66 rating complete with all standard accessories for installation etc complete as required as per technical specification and as per preferred/Approved make list of AAI.	14	each	8000.00	112000.00	INR One Lakh Twelve Thousand Only
160.07	Supply of following sizes of ceiling fan, with double ball bearing, Aluminium pressure die cast body with Aluminium blades, canopy hanging shackle, 30 cm down rod and speed regulator suitable for 230 V/240 V 50 HZ, AC supply confirms in 5 star rating complete as required as per Approved make list 1200 mm sweep	8	each	2000.00	16000.00	INR Sixteen Thousand Only
160.08	Supply and fixing stepped type electronic Fan Regulator on the existing modular plate and switch box including connections but excluding modular plate etc. as required.	8	each	400.00	3200.00	INR Three Thousand Two Hundred Only

For
MRCB-C)

For
PLM/E 27

For

Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Taxes in Rs. P	TOTAL AMOUNT in Words
160.09	Supply of following sizes heavy duty exhaust fan suitable for single phase 230 volt, 50 Hz AC supply complete with motor, capacitor, louvers/ shutters and all accessories complete as required as per Approved make list. 300 mm, Sweep	8	each	4000.00	32000.00	INR Thirty Two Thousand Only
160.10	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.	8	each	200.00	1600.00	INR One Thousand Six Hundred Only
160.11	Installation, testing and commissioning of pre-wired, fluorescent fitting/ compact fluorescent fitting/LED fitting luminaires etc. of all types (surface/recessed), complete with all accessories and tube etc. Directly on ceiling/ wall, including connection with 1.5 sq.mm FRLS PVC insulated, stranded, copper conductor single core cable with flexible conduits and coupler and earthen etc. as required.	90	each	50.00	4500.00	INR Four Thousand Five Hundred Only
160.12	Installation of exhaust fan in the existing opening including fixing of louvers/shutter etc. and making good the damage, connections, testing and commissioning etc. as required. Upto 450mm sweep	8	each	150.00	1200.00	INR One Thousand Two Hundred Only
161	Conventional Fire Alarm System					
161.01	Supplying, installation, testing & commissioning sector panel suitable for 4 zones, complete with visual indications for short circuit fault, open circuit fault, fire condition and all other standard facilities as per IS 2189 with mimic diagram for all area/zone covered, complete with all connections, interconnections as required	3	each	10000.00	30000.00	INR Thirty Thousand Only
161.02	Supplying, installation, testing & commissioning of response indicator on surface/recessed MS Box having two LED, metallic cover complete with all connections etc as required.	6	each	350.00	2100.00	INR Two Thousand One Hundred Only
161.03	Supplying, installation, testing & commissioning of smoke detector with builtin LED and mounting base complete with all connections etc as required	16	each	1200.00	19200.00	INR Nineteen Thousand Two Hundred Only
161.04	Supplying, installation, testing & commissioning of manual call boxes of MS construction in surface/recess with stainless steel chain & hammer assembly complete with glass and push button etc. as required	5	each	1000.00	5000.00	INR Five Thousand Only
161.05	Supplying, installation, testing & commissioning fire alarm sander with facility to make announcement, mounted in M.S. box (16 SWG) with hinged cover plate & suitable for operation with amplifier i/c line matching transformer etc. complete as required	5	each	1500.00	7500.00	INR Seven Thousand Five Hundred Only
161.06	Supplying and drawing 2 x 1.5 sq. mm of FRLS PVC insulated copper conductor, single core cable in the existing surface/recessed steel/ PVC conduit as required	256	metre	90.00	23040.00	INR Twenty Three Thousand & Forty Only
161.07	Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required					
161.071	20 mm	24	metre	85.00	2040.00	INR Two Thousand & Forty Only
161.072	25 mm	168	metre	98.00	15960.00	INR Fifteen Thousand Nine Hundred & Sixty Only
161.08	Providing and fixing of FIRE EXTINGUISHER, CO2/4.5 KG type IS 15683 complete with all accessories as per Technical Specification complete as required as per Approved make list.	6	each	12000.00	72000.00	INR Seventy Two Thousand Only
161.09	Providing and fixing of FIRE EXTINGUISHER, 4 Kg. Capacity ABC Powder type IS 15683 complete with all accessories as per technical Specification complete as required as per Approved make list.	6	each	6000.00	36000.00	INR Thirty Six Thousand Only
162	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	6	Nos	1500.00	9000.00	INR Nine Thousand Only
163	Joining 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.	35	Nos	100.00	3500.00	INR Three Thousand Five Hundred Only
164	Providing and fixing GI tape 20mm x 3mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)	150	metre	85.00	12750.00	INR Twelve Thousand Seven Hundred & Fifty Only
165	Providing and fixing GI tape 20mm x 3mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)	50	metre	100.00	5000.00	INR Five Thousand Only
166	Providing and fixing testing joint made of 20mm x 3mm thick GI strip 125mm long with 4No G.I. bolts, nuts, check nuts, spring washer etc complete as required	6	Set	500.00	3000.00	INR Three Thousand Only
167	Providing and laying G.I. Tape 32mm x 6mm from earth electrode directly in ground as required.	20	metre	200.00	4000.00	INR Four Thousand Only
168	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and warning pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	6	Set	12000.00	72000.00	INR Seventy Two Thousand Only
Total in Figures					19310180.00	INR One Crore Ninety Three Lakh Ten Thousand One Hundred & Eighty Only
Quoted Rate in Words		INR One Crore Ninety Three Lakh Ten Thousand One Hundred & Eighty Only				

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Amit K

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