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आज़ादी का
अमृत महोत्सव

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
डिब्रूगढ़ हवाई अड्डा, डिब्रूगढ़
DIBRUGARH AIRPORT, DIBRUGARH

सं.भा.वि.प्रा./डिब/अभि.-सिविल/मेन्त/ W0-08/ DVOR /22-23/

Ref.No.AAI/DIB/Engg-Civil/Maint/W0-08/ DVOR /22-23 /1708-

दिनांक: 12.12.2022

Dated: 12.12.2022

To,

Sh. Ranjeet Konwar
Mohanbari Bazar,
P.O Mohanbari,
Dibrugarh Dist,
Pin : 786012. (Assam)
E-mail: konwar.ranjeet@gmail.com.

विषय: डिब्रूगढ़ हवाई अड्डे पर डीवीओआर भवन का स्थानांतरण। एसएच:नए डीवीओआर भवन का निर्माण (सिविल और विद्युत कार्य)।

Name of Work: Shifting of DVOR building at Dibrugarh Airport. S.H:Construction of New DVOR building(Civil & Electrical Works)

संदर्भ: निविदा क्रमांक - 2022_AAI_132739_2 (कार्य की वित्तीय ई-बोली 22.11.2022 को खोली गई)

Ref.: Tender ID No.2022_AAI_132739_2 (Financial E-Bid for the work opened on 22.11.2022)

महोदय/Sir,

- उपर्युक्त कार्य हेतु आपकी ई निविदा के सम्बन्ध में ,आपके द्वारा उद्धरित राशि कुल **₹.90,71,808.00** (नब्बे लाख इकहत्तर हजार आठ सौ आठ मात्र) गुड्स एंड सर्विस टैक्स के बिना ,जो कि निविदा की प्राक्कलित मूल्य **₹.1,14,95,960.00** से **21.09%** नीचे है, को अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है।

Your E-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rate quoted by you totaling to **Rs.90,71,808.00 (Ninty Lakhs Seventy One Thousand Eight Hundred Eight Only) excluding GST** which is **21.09% (Twenty One point Zero Nine Percent)** below the estimate cost put to tender **₹1,14,95,960.00**.

- संयुक्त महाप्रबंधक (इंजीनियरिंग.-सिविल.), डिब्रूगढ़ विमानपत्तन उपरोक्त कार्य के प्रभारी अभियंता होंगे । अतः आपसे अनुरोध किया जाता है की दिनांक: **06.01.2023** तक संयुक्त महाप्रबंधक (इंजीनियरिंग.-सिविल.), भा.वि.प्रा., डिब्रूगढ़ के कार्यालय मे आकर अनुबंध पर हस्ताक्षर करने और समझौता पूरा करे। अनुबंध को रुपये 100/- (केवल एक सौ रुपये के गैर न्यायिक-स्टॉप पेपर पर निष्पादित किया जाएगा। 100/-(एक सौ रुपये मात्र) और स्टाम्प पेपर की कीमत आपको वहन करनी होगी। 100/-

Jt. GM (Engg-Civil) AAI, Dibrugarh Airport, Dibrugarh, shall be the Engineer-In-Charge of the work. You are requested to attend the office of Jt. GM (Engg-Civil), AAI, Dibrugarh Airport by **06.01.2023** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- (Rupees One hundred only) and the cost of the stamp paper shall be borne by you.

Bmcaul
12/12/22
Bm Kaul
Jt. GM

3. कृपया इस पत्र के जारी होने के 10 दिनों के अन्दर प्रतिभूति जमा के रूप में **₹.9,07,180.8 (नौ लाख सात हजार एक सौ अस्सी दशमलव आठ रुपये मात्र)** की राशि इस कार्यालय में जमा करा दें अन्यथा संविदा की सामान्य शर्तों के खंड 1 A पृष्ठ संख्या जी.सी.सी 1 7 पर खंड A1 कि शर्त के अनुसार घटाया जाएगा।

Please deposit **Rs.9,07,180.8(Rupees Nine Lakhs Seven Thousand One Hundred Eighty Point 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 running bills as per GCC Clause 1A on page 17 of the contract document.

4. आपसे अनुरोध है कि अनुबंध श्रम (विनियमन और उन्मूलन) अधिनियम 1970 और ठेका श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971, बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण श्रमिक (रोजगार का विनियमन और सेवा की शर्तों) के प्रावधान का पालन करें।) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण उपकर अधिनियम 1996 जैसा कि खंड 19 पृष्ठ संख्या 50 पर में निर्दिष्ट है और संविदा की सामान्य शर्तों के पेज नं 89 और केंद्र और राज्य सरकार के नियम।

You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) central rules 1971, Child labour (Prohibition & Regulation) Act 1986, Construction workers (Regulation of Employment and Conditions of Service) Act 1996, Building and other Construction workers welfare cess Act 1996 as specified in clause 19 on page no. 50 and page no. 89 of GCC of tender and rules of Central and State Govt.

5. आपको यह भी निर्देश दिया जाता है कि आप **सहायक महाप्रबंधक(अभि.-सिविल)-II, भा.वि.प्रा., डिब्रूगढ़** से अविलम्ब संपर्क करें जो आपको कार्यस्थल सौंपने की व्यवस्था करेंगे।

You are also directed to contact **AGM(Engg-Civil)-II, AAI, Dibrugarh Airport, Dibrugarh** immediately who will arrange to hand over the work to you.

6. कृपया ध्यान दें कि कार्य करने के लिए नियत समय **06 (छह)** महीने होगा जिसमें वर्षा ऋतु के 01 महीने शामिल हैं जिसकी गणना इस पत्र के जारी होने के **10** वें दिन से की जाएगी।

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

7. इस अनुबंध से सम्बंधित किसी भी प्रकार के पत्राचार संयुक्त महाप्रबंधक (इंजीनियरिंग.-सिविल.) भारतीय विमानपत्तन प्राधिकरण, डिब्रूगढ़ विमानपत्तन, डिब्रूगढ़ -786012 को संबोधित किया जाना चाहिए।

Any further correspondence in connection with the contract should normally be addressed to the Jt. GM(Engg-Civil), Airports Authority of India, Dibrugarh Airport - 786012.

8. कृपया इस पत्र के प्राप्ति की सूचना दें तथा इसके साथ संलग्न इस पत्र की प्रतिलिपि पर विधिवत हस्ताक्षर करने के उपरांत स्वीकृति के प्रमाण स्वरूप इसे अधोहस्ताक्षरी को वापस 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.



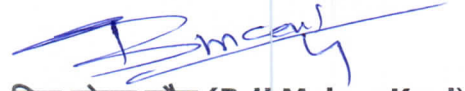
9. यदि कोई विसंगति पाई जाती है तो अंग्रेजी संस्करण मान्य होगा।

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

धन्यवाद / Thanking you,

संलग्न: Item Rate SOQ. (Page-01 to 14)

भवदीय/Yours Sincerely,



ब्रिज मोहन कौल (Brij Mohan Kaul)

संयुक्त महाप्रबंधक (इंजीनियरिंग.-सिविल)/ Joint GM (Engg.– Civil)

कृते तथा की ओर से अध्यक्ष, भा.वि.प्रा. / For and on behalf of Chairman, AAI

भा.वि.प्रा. डिब्रूगढ़ विमानपत्तन / AAI, Dibrugarh Airport

Validate

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Help

Item Rate BoQ

Tender Inviting Authority: Bonny Bastian, AGM(Engg-Civil)-II, AAI, Dibrugarh Airport

Name of Work: Shifting of DVOR building at Dibrugarh Airport, S.H:Construction of New DVOR building(Civil & Electrical works).

Contract No: 2022_AAI_432739_4

Name of the Bidder/
Bidding Firm
/ Company :

Ranjeet Konwar

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE in Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT in Words	
1	2 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.	3 2355.00	4 sqm	5 5.00	6 11775.00	7 INR Eleven Thousand Seven Hundred & Seventy Five Only	
2	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.	1150.00	cum	200.00	230000.00	INR Two Lakh Thirty Thousand Only	
3	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 Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	500.00	metre	300.00	150000.00	INR One Lakh Fifty Thousand Only	
4	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. All kinds of soil	70.00	cum	80.00	5600.00	INR Five Thousand Six Hundred Only	
5	Extra for levelling & neatly dressing of disposed soil completely as directed by Engineer-in-charge.	980.00	cum	60.00	58800.00	INR Fifty Eight Thousand Eight 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.	170.00	cum	197.00	33490.00	INR Thirty Three Thousand Four Hundred & Ninety Only	
7	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	217.00	cum	650.00	141050.00	INR One Lakh Forty One Thousand & Fifty Only	
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	163.00	sqm	6000.00	978000.00	INR Nine Lakh Seventy Eight Thousand Only	

Pence

9	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete	14.00	sqm	240.00	3360.00	INR Three Thousand Three Hundred & Sixty Only
10	Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts	90.00	sqm	450.00	40500.00	INR Forty Thousand Five Hundred Only
11	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform	123.00	sqm	500.00	61500.00	INR Sixty One Thousand Five Hundred Only
12	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, girders, bressumers and cantilevers	72.00	sqm	450.00	32400.00	INR Thirty Two Thousand Four Hundred Only
13	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.	4070.00	kg	85.00	345950.00	INR Three Lakh Forty Five Thousand Nine Hundred & Fifty Only
14	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.	3850.00	kg	85.00	327250.00	INR Three Lakh Twenty Seven Thousand Two Hundred & Fifty 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 1:1.5:3 (1 cement : 1.5 coarse sand (zone-II)) : 3 graded stone aggregate 20 mm nominal size)	5.00	cum	8500.00	42500.00	INR Forty Two Thousand Five Hundred Only
16	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 Pipes, cables etc, not exceeding 80 mm dia.	365.00	metre	300.00	115500.00	INR One Lakh Fifteen Thousand Five Hundred Only
17	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-II)) : 3 graded stone aggregate 20 mm nominal size).	5.00	cum	8500.00	42500.00	INR Forty Two Thousand Five Hundred Only
18	Providing and laying in position machine batched and machine mixed design mix M -25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS : 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer -in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable /recoverable separately).	65.00	cum	8800.00	572000.00	INR Five Lakh Seventy Two Thousand Only
19	Providing and laying in position machine batched and machine mixed design mix M -25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS : 9103 to accelerate, retard setting of concrete , improve workability without impairing strength and durability as per direction of Engineer -in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable /recoverable separately). All works above plinth level upto floor V level	25.00	cum			
20	Providing and laying damp -proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-II)) : 4 graded stone aggregate 12.5mm nominal size).	10.00	sqm	8700.00	217500.00	INR Two Lakh Seventeen Thousand Five Hundred Only
				280.00	2800.00	INR Two Thousand Eight Hundred Only

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21	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.	100.00	Kg	120.00	12000.00	INR Twelve Thousand Only
22	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)	10.00	cum	8000.00	80000.00	INR Eighty Thousand Only
23	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 1:4 (1 cement : 4 coarse sand)	24.00	cum	8500.00	204000.00	INR Two Lakh Four Thousand Only
24	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)	5.00	sqm	850.00	4250.00	INR Four Thousand Two Hundred & Fifty Only
25	Extra for providing and placing in position 2 Nos 6 mm dia. M.S. bars at every third course of half brick masonry.	8.00	sqm	70.00	560.00	INR Five Hundred & Sixty Only
26	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	200.00	sqm	200.00	40000.00	INR Forty Thousand Only
27	12 mm cement plaster of mix : 1:6 (1 cement : 6 fine sand)	175.00	sqm	270.00	47250.00	INR Forty Seven Thousand Two Hundred & Fifty Only
28	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement : 6 fine sand)	95.00	sqm	300.00	28500.00	INR Twenty Eight Thousand Five Hundred Only
29	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer	349.00	sqm	90.00	31410.00	INR Thirty One Thousand Four Hundred & Ten Only
30	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms./litre, of approved manufacturer, of required shade and colour complete Two or more coats on new work.	349.00	sqm	80.00	27920.00	INR Twenty Seven Thousand Nine Hundred & Twenty Only
31	Finishing walls with Acrylic Smooth exterior paint of required shade New work (Two or more coat applied @ 1.67 lit/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	118.00	sqm	80.00	9440.00	INR Nine Thousand Four Hundred & Forty Only
32	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	100.00	sqm	80.00	8000.00	INR Eight Thousand Only
33	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections / appropriate Z sections and other sections of approved make conforming to IS : 733 and IS : 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber / neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, milled and jointed mechanically wherever required including clear 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) Powder coated aluminium (minimum thickness of powder coating 50 micron)	145.00	sqm	1200.00	174000.00	INR One Lakh Seventy Four Thousand Only

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34	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS : 12823 Grade I Type II, in paneling fixed in aluminum 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. 21.2.2. Pre-laminated particle board with decorative lamination on both sides.	17.00	sqm	800.00	13600.00	INR Thirteen Thousand Six Hundred Only
35	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc. complete as per direction of Engineer Powder coated minimum thickness 50 micron aluminium tubular handle bar	8.00	each	350.00	2800.00	INR Two Thousand Eight Hundred Only
36	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 10 kg/ sqm)	19.00	sqm	1000.00	19000.00	INR Nineteen Thousand Only
37	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with IS : 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.	8.00	each	1500.00	12000.00	INR Twelve Thousand Only
38	Providing and fixing aluminium lower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade 300x10 mm	8.00	each	200.00	1600.00	INR One Thousand Six Hundred Only
39	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 300x16 mm	8.00	each	300.00	2400.00	INR Two Thousand Four Hundred Only
40	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 Single rubber stopper	8.00	each	100.00	800.00	INR Eight Hundred Only
41	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G .I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G .I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall / partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I	19.00	sqm	1000.00	19000.00	INR Nineteen Thousand Only

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42	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 12 mm thick complete.	42.00	sqm	1000.00	42000.00	INR Forty Two Thousand Only
43	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 500x500 mm.	58.00	sqm	1200.00	69600.00	INR Sixty Nine Thousand Six Hundred Only
44	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 600 mm x 600 mm	7.00	sqm	1300.00	9100.00	INR Nine Thousand One Hundred Only
45	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 dados over 12 mm thick bed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	5.00	sqm	1000.00	5000.00	INR Five Thousand Only
46	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer -in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	28.00	sqm	1100.00	30800.00	INR Thirty Thousand Eight Hundred Only
47	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 Area of slab over 0.50 sqm	2.00	sqm	4000.00	8000.00	INR Eight Thousand Only
48	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 bend, 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	1.00	each	6000.00	6000.00	INR Six Thousand Only
49	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 single 15 mm C.P. brass pillar tap	1.00	each	2500.00	2500.00	INR Two Thousand Five Hundred Only

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50	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 Kitchen sink with drain board 510x1040 mm bowl depth 200 mm	1.00	each	5500.00	5500.00	INR Five Thousand Five Hundred Only
51	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 moulding, rubbing and polishing of cut edges etc. complete.	1.00	each	650.00	650.00	INR Six Hundred & Fifty Only
52	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support i/c fittings & fixtures for tank shall be paid separately.	1000.00	litre	10.00	10000.00	INR Ten Thousand Only
53	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 50mm nominal outer dia Pipes	35.00	metre	700.00	24500.00	INR Twenty Four Thousand Five Hundred Only
54	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 outer dia Pipes	350.00	metre	350.00	122500.00	INR One Lakh Twenty Thousand Five Hundred Only
55	Providing and fixing PTMT bib cock of approved quality and colour 15 mm nominal bore, 165 mm long, weighing not less than 110 gms	13.00	each	150.00	1950.00	INR One Thousand Nine Hundred & Fifty Only
56	Providing and fixing C.P. brass bib cock of approved quality conforming to IS : 8931 15 mm nominal bore	2.00	each	700.00	1400.00	INR One Thousand Four Hundred Only
57	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	50.00	each	240.00	12000.00	INR Twelve 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 Bend 110 mm bend	4.00	each	150.00	600.00	INR Six Hundred Only
59	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 Shoe 110 mm Shoe	4.00	each	100.00	400.00	INR Four Hundred Only
60	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	4.00	each	50.00	200.00	INR Two Hundred Only

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71	Providing and laying Pavement Quality Concrete (PQC) produced in a batching and mixing plant having a Characteristic flexural strength i.e. flexural strength of 4.1 MPa at 28 days using Ordinary Portland cement of 43/53 grade or Portland Pozzolana Cement or Portland Slag cement conforming as per relevant IS codes, to be mixed at site, with 0.5% Super plasticizer by mass of cementitious material, fine aggregate, graded stone aggregates of 40 mm nominal size in appropriate proportion as per specification and job mix formula, laid in punts as per drawings / design as approved by the Engineer -in-Charge using Slip Form Paver or Fixed form paver including anti friction layer, joint filler board, making necessary provision for expansion, dummy and construction joint including filling with Polysulphide sealant of approved make, curing and making profile, complete as per direction of Engineer -in-Charge and specifications. The item for execution shall include all operations making pavement for intended use but not limited to following: i.) Polyethylene sheet (White in color) of thickness 400 micron conforming to IS : 2506 with 6mm thick fine sand layer ii) Providing and laying in position for expansion joint, 25mm thick pre-cut Synthetic joint filler board of approved make conforming to IS : 1838(part 3)-2011, 45 mm from top (to be removed at the time of filling of Polysulphide sealant iii) Mechanically cutting dummy joints 3mm wide x 1/3rd thickness of slab which is subsequently widened to 10mm for the top 25mm depth and construction joints 10mm wide x 25mm deep as per specification iv) Providing and laying in position Polysulphide sealant of approved make conforming to BS-5212:1990 or IS: 11433-1995 in expansion/ construction / dummy joints including rounding off edges, applying 2 coats of approved primer compatible with the brand of Polysulphide and preparing the surface and applying masking tape along the edge of joint to prevent accidental spillage of sealant on top surface and to give neat finish to the sealant and removing the masking tape after application of sealant etc. as per the details below: (a) Expansion joints of size 25 mm wide and 10 mm deep over 30mm dia expanded closed-cell Polyethylene foam back -up/backer rod of minimum density 22 Kg/Cum, as per manufacturer's specifications and sketch at Appendix -'A'. (b) Construction joints of size 10 mm wide and 10 mm deep over 12mm dia expanded closed -cell Polyethylene foam back -up/backer rod of minimum density 22 Kg/Cum, as per manufacturer's specifications and sketch at Appendix-'A'. (c) Dummy joints of size 10 mm wide and 10 mm deep over 12 mm dia expanded closed -cell Polyethylene foam back -up/backer rod of minimum density 22 Kg/Cum, as per manufacturer's specifications and sketch at Appendix -'A'. (v) Making profile as per DGCA CAR, panel drawing showing dummy, construction, expansion joints location.	128.00	cum	9000.00	1152000.00	INR Eleven Lakh Fifty Two Thousand Only
72	Areas inaccessible to paving equipment shall be constructed by manual /hand guided method. Areas in which manual /hand guided methods of construction become indispensable shall be got approved by the Engineer-in-Charge in writing in advance. (ii) The quantity of cement, type of cement and super plasticizer for one Cum. of finished concrete specified are for tendering purpose only. The contractor shall quote his rates assuming quantity of OPC cement as 360 Kg/Cum or 400 Kg of Portland Pozzolana Cement / Portland Slag cement. In addition, if the actual quantity of cement & super plasticizer required as per laboratory mix design varies from the quantity assumed above, necessary cost adjustment for deviation in the quantity of cement and super plasticizer as per mix design, if any, shall be done as per the rate of cement and super plasticizer in actual supply voucher from manufacturer /authorized dealer at the time of execution. In the case of authorized distributor, the rate may be authenticated by the manufacturer. The rate of cement and super plasticizer exclusive of GST shall only be considered for payment Boring/drilling bore well of required dia for casing / strainer 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	50.00	metre	460.00	23000.00	INR Twenty Three Thousand Only
73	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS : 12618, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer 100 mm nominal size dia	50.00	metre	500.00	25000.00	INR Twenty Five Thousand Only
74	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS : 12618, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge. 100 mm nominal size dia	50.00	metre	550.00	27500.00	INR Twenty Seven Thousand Five Hundred Only
75	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.	3.00	metre	1150.00	3450.00	INR Three Thousand Four Hundred & Fifty Only

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76	Supply of 2C X 10 sq. mm size, 1.1KV grade, multicore XLPE insulated and PVC sheathed copper conductor armoured power cable as per IS 7098:1998 (Part-I) with upto date amendments as required.	30	metre	450.00	13500.00	INR Thirteen Thousand Five Hundred Only
77	Supply of 3.5C X 185 sq. mm size, 1.1KV grade, multicore XLPE insulated and PVC sheathed Aluminium conductor armoured power cable as per IS 7098:1998 (Part-I) with upto date amendments as required.	300	metre	1500.00	450000.00	INR Four Lakh Fifty Thousand Only
78	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following sizes on wall surface as required upto 35 sq. mm (clamped with 1 mm thick saddle).	30	metre	43.00	1290.00	INR One Thousand Two Hundred & Ninety Only
79	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 upto 35 sq. mm. / cable trench as required	30	metre	20.00	600.00	INR Six Hundred Only
80	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/ HDPE pipe Above 95 sq. mm and upto 185 sq. mm / duct as required	300	metre	55.00	16500.00	INR Sixteen Thousand Five Hundred Only
81	Supplying and laying of 120 mm dia HDPE pipe (OD-120 mm & ID-103 mm nominal) 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.	300	metre	360.00	108000.00	INR One Lakh Eight Thousand Only
82	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
82.1	4C X 25 sq. mm (28mm)	8	each	250.00	2000.00	INR Two Thousand Only
82.2	3.5C X 185 sq. mm (57mm)	2	each	700.00	1400.00	INR One Thousand Four Hundred Only
83	Supplying and making end termination with brass compression gland and copper lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 2C X 10 sq. mm (19mm). 1.1 KV grade as required	2	Each	200.00	400.00	INR Four Hundred Only
84	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required	2	Each	3800.00	7600.00	INR Seven Thousand Six Hundred Only
85	Earthing with GI 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.	3	Set	6100.00	18300.00	INR Eighteen Thousand Three Hundred Only
86	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.	3	Set	11500.00	34500.00	INR Thirty Four Thousand Five Hundred Only
87	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground by providing 40 mm dia G.I. pipe as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Joining shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	30	Metre	1300.00	39000.00	INR Thirty Nine Thousand Only

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88	Supplying and laying 25 mm X 5 mm GI strip at 0.50 metre below ground by providing 40 mm dia G.I. pipe as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Joining shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	15	Metre		580.00	8700.00	INR Eight Thousand Seven Hundred Only
89	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	30	Metre		990.00	29700.00	INR Twenty Nine Thousand Seven Hundred Only
90	Providing and fixing 25 mm X 5 mm GI strip on surface or in recess for connections etc. as required.	10	Metre		195.00	1950.00	INR One Thousand Nine Hundred & Fifty Only
91	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	40	Metre		50.00	2000.00	INR Two Thousand Only
92	Providing and fixing of lightning conductor final, made of 25 mm dia 5 feet long, 90% or more pure copper rod, having single prong at top, with 85 mm dia 6 mm thick copper base plate including holes etc. complete as required.	3	Each		2260.00	6780.00	INR Six Thousand Seven Hundred & Eighty Only
93	Providing and fixing of copper tape 25 mm X 5 mm thick on parapet or surface of wall for lightning conductor complete as required. (For vertical run)	30	Metre		920.00	27600.00	INR Twenty Seven Thousand Six Hundred Only
94	Providing joints by using brazing technique on 25 mm X 5 mm copper strip on surface or in recess for connections to another copper earth strip for interconnection to all earth's of Lightning Arrestors, counterpoise, Equipment and Electrical power supply earthing etc. as required.	100	Nos		130.00	13000.00	INR Thirteen Thousand Only
95	STTC of Single Phase neutral Surge Protection Device (SPD), type 2, 1 module, 1P+ N with inbuilt MCB having Maximum discharge current 40kA (8/20 us), with protection level of 0 - 1.5 KV including all accessories, conforming to IEC 61643-11, Cat No. AUSP021PNA40, Make: L & T or equivalent as per AAI approved make list.	8	Nos		5400.00	43200.00	INR Forty Three Thousand Two Hundred Only
96	Design, Fabrication, Supply, Installation, Testing and Commissioning of cubic type, floor mounting, dust and vermin proof, indoor LT panel, IP-42, suitable for 415V ± 10%, 3 phase, 4 wire, 50Hz AC supply system fabricated in compartmentalised modular design from CRCA sheet of 2mm thick frame work and covers, 3mm thick for gland plate 1/2" cleaning and finishing complete with 7 link process for powder coating in approved shade, bottom base channel of MS section not less than 100mm x 50mm x 5mm thick, fabrication shall be done in transportable sections, entire panel shall have a copper earth bar of size 25mm x 5mm at the rear with 2 Nos. earth stud, solid/flexible connections from main bus bar to switchgear output to cable termination in cable alley with required size of Al conductors/bushes and control wiring with 10 sqmm PVC insulated copper conductor cable (FRLS), cable alloys, cable gland plates including providing following switchgears / accessories as per specifications. INCORNER 2 Nos. 150A, 4P, 25kA, MCB with thermal magnetic based release unit with adjustable setting with O /L, S/C & E/F protection 01 No. ATS (Automatic Transfer Switch) 100A, 3P, 16kA complete as required. The ATS shall have all the four poles fully rated. The ATS shall be supplied with an integrated controller and no external wiring, harness shall be acceptable 1 Nos. 100A, 1PN, 16kA, MCB with thermal magnetic based release unit with adjustable setting with O /L, S/C & E/F protection Incoter shall have the following items HRC Fuse 0.500V Digital Voltmeter 96mm square flush pattern with selector switch and 3Nos CTs of ratio 100A 0.100A Digital Ammeter with selector switch and one set of 3Nos CTs of ratio 100/5A, Class 1 accuracy and 15VA burden 2A MCB 1 set Multifunction meter TPN Surge Protection Device (SPD), type 1+ 2, 4 module, 3P+ N with inbuilt MCB having Maximum discharge current 100kA (10/350 us), impulse current 8kA with protection level of 0 - 1.5 KV including all accessories, conforming to IEC 61643-11 1 set BUSBARS TPN Aluminium bus bars of minimum capacity 200A with heat shrinkable coloured sleeves including 50kV bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 16kA for 1 sec. CUTOFFING 100A, 4P, MCB MCB No. (Gilde path) 64A, 4P, MCB -1 No. with TPN Surge Protection Device (SPD), type 1+ 2, 4 module, 3P+ N with inbuilt MCB having Maximum discharge current 100kA (10/350 us), impulse current 8kA with protection level of 0 - 1.5 KV including all accessories conforming to IEC 61643-11 1 set (N+1 UPS) 64A, 4P, MCB MCB No. (For Spare) 64A, 4P, MCB MCB No. (For PDB) 32A, 4P, MCB MCB No. (Spare) 32A, 4P, MCB MCB No. (LDB) 32A, 4P, MCB MCB No. (Spare) Note All breakers breaking capacities shall be as per All thermal based release MCBs shall be compartmentalised and provided with inbuilt O /L, S/C protection & E/F module with CBCT or Earth fault relay with required CT releases shall be provided All MCBs shall be provided with ON, OFF & TRIP indication lamp (LED type) with 2A SP MCB and 1 set Rotary operating mechanism and terminal expansion spacers	1	Job		220000.00	220000.00	INR Two Lakh Twenty Thousand Only

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97	Supply of CPRI certified Electrical insulating mats conforming to IS 15652:2006 with minimum width of 1 meter and thickness of 2.0mm +/- 10%, dielectric strength 30 KV, Class-A, ISI marked, anti skid and fire retardant properties duly fixed with suitable adhesive / resin materials etc., complete as required.	10	Sqm	960.00	9600.00	INR Nine Thousand Six Hundred Only
98	Wiring for light point / fan point/ exhaust fan point / call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, 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	35	Point	1150.00	40250.00	INR Forty Thousand Two Hundred & Fifty Only
99	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.	100	metre	220.00	22000.00	INR Twenty Two Thousand Only
100	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					
100.1	20 mm	20	Metre	100.00	2000.00	INR Two Thousand Only
100.2	25 mm	20	Metre	110.00	2200.00	INR Two Thousand Two Hundred Only
101	Drawing following sizes of FRLS PVC insulated copper conductor , single core cable in the existing surface / recessed steel/ PVC conduit as required 2C X 10 sq. mm	10	Metre	30.00	300.00	INR Three Hundred Only
102	Supplying and fixing suitable size GI box with modular plate and cover in Front on surface or in recess , including providing and fixing 2 no. 6 pin 5/6 & 15/16 amps modular socket outlet and 2 no. 15/16 amps modular switch, connection etc. as required.	25	Each	750.00	18750.00	INR Eighteen Thousand Seven Hundred & Fifty Only
103	Supplying and fixing suitable size GI box with modular plate and cover in Front on surface or in recess , including providing and fixing 1 no. 6 pin 5/6 & 15/16 amps modular socket outlet and 1 no. 15/16 amps modular switch, connection etc. as required.	15	Each	480.00	7200.00	INR Seven Thousand Two Hundred Only
104	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit alongwith 1 No 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	150	Metre	270.00	40500.00	INR Forty Thousand Five Hundred Only
105	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar , neutral bus bar , earth bar , din bar , interconnections, powder painted including earthing etc . as required . (But without MCB/RCCB/Isolator)					
105.1	4 way, Double door	8	Each	1800.00	14400.00	INR Fourteen Thousand Four Hundred Only
105.2	12 way, Double door	1	Each	1900.00	1900.00	INR One Thousand Nine Hundred Only
105.3	16 way, Double door	1	Each	2500.00	2500.00	INR Two Thousand Five Hundred Only
106	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar , neutral bus bar , earth bar , din bar , interconnections, powder painted including earthing etc . as required . (But without MCB/RCCB/Isolator)					
106.1	4 way (8 + 12), Double door	1	Each	3400.00	3400.00	INR Three Thousand Four Hundred Only
106.2	8 way (8 + 24), Double door	2	Each	5100.00	10200.00	INR Ten Thousand Two Hundred Only

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107	Supplying and fixing Cable End Box (IP 43) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface / recess, complete with testing and commissioning etc. as required.					
107.1	for 12 way, Double door SPN MCBDB	1	Each			
107.2	for 16 way, Double door SPN MCBDB	1	Each	943.00	943.00	INR Nine Hundred & Forty Three Only
108	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 Volts, on surface / recess, complete with testing and commissioning etc. as required					
108.1	For 4 way, Double door TPN MCBDB	1	Each	1130.00	1130.00	INR One Thousand One Hundred & Thirty Only
108.2	For 8 way, Double door TPN MCBDB	2	Each	1540.00	3080.00	INR Three Thousand & Eighty Only
109	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, 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.					
109.1	Single Pole	75	Each	180.00	13500.00	INR Thirteen Thousand Five Hundred Only
109.2	Double pole	10	Each	480.00	4800.00	INR Four Thousand Eight Hundred Only
110	Supplying and fixing of following rating, 240/415 volts, 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.	2	Each	1230.00	2460.00	INR Two Thousand Four Hundred & Sixty Only
111	Supplying and fixing of following rating four Pole, 415 volts, "C" curve, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
111.1	32 Amps	2	Each	1570.00	3140.00	INR Three Thousand One Hundred & Forty Only
111.2	63 Amps	1	Each	2100.00	2100.00	INR Two Thousand One Hundred Only
112	Supplying and fixing of following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
112.1	40 Amps	2	Each	3200.00	6400.00	INR Six Thousand Four Hundred Only
112.3	63 Amps	1	Each	3450.00	3450.00	INR Three Thousand Four Hundred & Fifty Only
113	Supply of 20W cool white LED batten with Aluminium housing and integrated electronic driver suitable to work with 220-240V, 50 Hz, CCT of 6500K, Minimum efficacy 100 Lm/W, P.F.>0.95 and THD of <10% from list of approved makes as required. (Model : LUMILINE+BS20WLED8305FCSS5 of make Havells or equivalent from list of approved makes)	15	Each	570.00	8550.00	INR Eight Thousand Five Hundred & Fifty Only
114	Supply of 36W, 2 feet x 2 feet LED ceiling mounted Panel fitting including Driver, suitable to work with 220-250V, 50 Hz AC, CCT of 5700K, efficacy of Minimum 100 Lm/W, P.F.>0.95 and THD of <10% and meeting the Technical specifications as required.	7	Each	3360.00	23520.00	INR Twenty Three Thousand Five Hundred & Twenty Only

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115	Supply of 10 W LED bulk head fittings Pressure Die cast Aluminium housing with opal diffuser , Equipped with 2kv inbuilt surge protection with IP 65 protection rating suitable to work with 220-240V, 50 Hz, CCT of 5700K, Minimum efficacy 110 Lm/W, P.F.>0.95 and THD of <10% from list of approved makes as required . (Model : LBBWP- 10W LED of make Baja or equivalent from list of approved makes)	10	Each	790.00	7900.00	INR Seven Thousand Nine Hundred Only
116	Installation, testing and commissioning of pre -wired LED fitting , 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.	25	Each	160.00	4000.00	INR Four Thousand Only
117	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin , nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required.	3	Each	2400.00	7200.00	INR Seven Thousand Two Hundred Only
118	Installation of exhaust fan up to 450 mm sweep in the existing opening , including making good the damage , connection, testing, commissioning etc. as required	3	Each	350.00	1050.00	INR One Thousand & Fifty Only
119	Supply of 4Watt Emergency Rechargeable LED Light Lantern with Auto ON feature during power failure suitable to operate on 230V, 50 Hz single phase AC supply, complete as required.	2	Each	1250.00	2500.00	INR Two Thousand Five Hundred Only
120	Supply of Twin type Aviation dome obstruction LED Luminaire comprising of aluminium housing with polycarbonate enclosure (Dual dome) with non-flashing type meeting as per ICAO standards suitable for operation on 230 V, 50 Hz, AC supply etc. complete as required.	2	Each	3500.00	7000.00	INR Seven Thousand Only
121	Supply of 1.5TR Inverter type Split Air -Conditioner of BEE 5 Star rating Hi- wall split 1.5 Ton non ductible fan coil unit (Indoor Unit), Copper Condensing unit (Outdoor Unit) with fan and High Energy Efficiency Ratio Rotary compressor , with cord less remote controller and works with R 410A/R32/R 134A gas, suitable for operation on 1 Phase, 230 +/- 10% V, 50Hz AC supply etc . complete as required . The supply of unit shall include the copper pipings , Interconnecting Power cables between the Indoor and Outdoor Unit as per the standard manufacturer design (i.e. Copper pipings of not less than 3 Mts) including drain pipe and initial charge of gas etc . complete as required.	5	Each	34600.00	173000.00	INR One Lakh Seventy Three Thousand Only
122	Installation, Testing and commissioning of 1.5 TR wall mounted /Hi-wall type Split Air -Conditioner by making required structures of suitable size MS stand /PCC work as per site requirement i /c balancing of Liquid & Gas, Gas charging the system with R 410A/R32/R 134A refrigerant if any extra gas required due to increase in length of Copper piping , including covering the Copper piping (i/c Copper pipe came along with the units) with suitable size casing capping/PVC pipe Lifting / Shifting of Outdoor & Indoor units upto site location etc, complete as required.	5	Job	2700.00	13500.00	INR Thirteen Thousand Five Hundred Only
123	Supply, Laying and connecting of OEM recommended copper refrigerent Piping (Liquid and Gas) with Nitrite Rubber insulation of thickness not less than 13mm and with all other accessories suitable for 1 phase, 1.0/1.5TR split AC including covering the Copper piping with suitable size casing capping /PVC pipe etc . complete as required (Length of Liquid and gas line will be measured as single measurement).	10	Metre	930.00	9300.00	INR Nine Thousand Three Hundred Only
124	Supply, installation, testing and commissioning of wall mounting type, single phase, automatic line voltage stabilizer, suitable operation on 170 volts to 270 volts AC input, 200 volts to 240 volts AC output, single phase, 50Hz AC power supply with built in time delay , high voltage cut off , and low voltage cut off at 145 volts and input / output/trip indications and suitable for application of 1.5 TR Air conditioning unit etc. as required (As per list of approved makes).	5	Each	2470.00	12350.00	INR Twelve Thousand Three Hundred & Fifty Only

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125	Supply and laying/fixing of ISI marked UPVC pipe of 25mm dia with required bends/ connectors on surface/ suspension for draining out the water including interconnection of drain pipe etc. complete as required.	20	Meter	930.00	18600.00	INR Eighteen Thousand x Hundred Only
126	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps, 10kA "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.	5	Each			INR Six Hundred Only
127	Supplying and fixing one number 24 hour analogue type time switch , and 25 A single pole contactor (INO) in suitable size weather proof thermoplastic enclosure including supply and fixing the weather proof thermoplastic enclosure with IP 65 protection on surface , providing electrical connections etc. as required.	5	Each	1350.00	6750.00	INR Six Hundred Only
128	Supplying, installation, testing and commissioning of micro processor based intelligent addressable main fire alarm panel , central processing unit with the following loop modules and capable of supporting not less than 240 devices (including detectors) and minimum 120 detectors per loop and loop length up to 2 km, network communication card minimum 320 character graphics / LCD display with touch screen or other keypad and minimum 4000 events history log in the non volatile memory (EPROM), power supply unit (230 ± 5% V, 50 hz), 48 hrs back-up with 24 volt sealed maintenance free batteries with automatic charger . The panel shall have facility to connect printer to printout log and facility to have seamless integration with analog /digital voice evacuation system (which is part of the schedule of work under SH : PA System) and shall be complete with all accessories . The panel shall be compatible for IBMS system with open protocol BACnet / Modbus over IP complete as per specifications Two Loop Panel.	1.00	Each	6800.00	34000.00	INR Thirty Four Thousand Only
129	Supply, Installation, testing and commissioning of addressable multi Photo Electric / Optical Smoke detector with mounting relay base as per specification and complete as required.	9	Each	20000.00	20000.00	INR Twenty Thousand Only
130	Supply, Installation, testing and commissioning of Auto dialer unit with keypad having storage capacity of minimum 10 emergency numbers and one voice message and interconnection with Fire alarm control panel as per specification and complete as required.	1	Each	2350.00	21150.00	INR Twenty One Thousand One Hundred & Fifty Only
131	Supplying, installation, testing & commissioning of addressable manual call point complete as required.	1	Each	12150.00	12150.00	INR Twelve Thousand One Hundred & Fifty Only
132	Supplying, installation, testing & commissioning of addressable horn cum strobe complete as required.	1	Each	3370.00	3370.00	INR Three Thousand Three Hundred & Seventy Only
133	Supplying & laying of 2x1.5 sqmm fire alarm armoured cable, 600/1000V rated with annealed copper conductor having XLPE insulation , steel wire armouring & FRLS outer sheath complete as required.	40	Metre	3000.00	3000.00	INR Three Thousand Only
134	Supplying, installation, testing & commissioning response indicator on surface/ recess MS box having two LEDs metallic cover complete with all connections etc. as required.	2	Each	140.00	5600.00	INR Five Thousand Six Hundred Only
Total In Figures				160.00	320.00	INR Three Hundred & Twenty Only
Quoted Rate in Words		INR Ninety Lakh Seventy One Thousand Eight Hundred & Eight Only				

Signature Not Verified
Digitally signed by Bonny Bastian
Date: 2023.05.26 12:11:23 IST
Location: eProcurement System for Central PSUs

12/12/22