



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

Ref. No.: AAI/KUSHI/ENGG(C)/DVOR/97

Date: 06.04.2023

सेवा में,
To,

मेसर्स नबालोक दास
प्लॉट नंबर एलबी - 137,
चरण -2 भीमतंगी,
पीएस: एरिफिल्ड, भुवनेश्वर,
जिला: खुर्दा, ओडिशा- 751002
Ph:- 9938221828, 9437323828
Email:- nabalok.das@gmail.com

M/s Nabalok Das
Plot No. LB – 137,
Phase -2 Bhimatangi,
P.S : Arifield, Bhubaneswar,
Dist : Khurda, Odisha- 751002
Ph:- 9938221828, 9437323828
Email:- nabalok.das@gmail.com

विषय: कुशीनगर अंतरराष्ट्रीय हवाई अड्डे, कुशीनगर (यूपी) में डीवीओआर भवन का निर्माण और अन्य संबंधित कार्य।

Sub:- Construction of DVOR Building and other associated work at Kushinagar International Airport, Kushinagar (UP)

संदर्भ: निविदा खुलने की तिथि : 31.03.2023

Tender ID: 2023_AAI_146385_1

प्रिय महोदय, Dear Sir

- उपरोक्त कार्य की रु. 87,98,057.00 (रुपए सत्तासी लाख अठानवे हजार सत्तावन केवल) की मद दर निविदा, जो कि कार्य की अनुमानित लागत रु. 1,10,51,130.00 से 20.38% कम है, आपके द्वारा निविदा प्रपत्र की अनुसूची 'अ' में दर्शायी गयी मद दरों पर भरी गई है, तथा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत की जाती है।

Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India at the item rates quoted by you totalling to Rs. 87,98,057.00 (Rupees Eighty Seven Lakhs Ninety Eight Thousand Fifty Seven Only) which is 20.38% below the estimated cost put to tender of Rs. 1,10,51,130.00.

- वरिष्ठ प्रबन्धक (अभि0-सि0), भा.वि.प्रा., कुशीनगर अन्तरराष्ट्रीय विमानपत्तन, कुशीनगर इस कार्य के कार्यकारी प्रभारी अभियन्ता होंगे। आपसे अनुरोध है कि दिनांक 13.04.2023 तक अधोहस्ताक्षरी के कार्यालय में उपस्थित होकर संविदा अनुबन्ध को हस्ताक्षरित कर पूर्ण करें। अनुबन्ध 100/- रुपए के गैर न्यायिक स्टाम्प पेपर पर सम्पादित किया जाएगा, स्टाम्प पेपर की कीमत आपके द्वारा वहन की जाएगी।



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The SM (E-C), AAI, Kushinagar International Airport Kushinagar shall be the Engineer-in-charge of the work. You are requested to attend the office of the undersigned by 13.04.2023 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs. 100/- and the cost of stamp paper shall be borne by you.

- 3) निविदा के साथ प्राप्त अग्रिम जमानत राशि रु° 2,21,023.00 (दो लाख इक्कीस हजार तेईस रुपए मात्र) को ठेका संविदा के अनुसार धरोहर जमाराशि का हिस्सा मानकर उसमें बदल दिया जावेगा। कृपया धरोहर जमा राशि रु° 8,79,805.70 (रुपए आठ लाख उनासी हजार आठ सौ छह केवल) इस पत्र को निर्गत दिनांक के दस दिनों के भीतर जमा करें अन्यथा उक्त धनराशि की कटौती संविदा शर्त के अनुसार की जाएगी।

The Earnest money amount of Rs. 2,21,023.00 (Two lakh Twenty One thousand Twenty Three Rupees Only) received along with your tender. Please deposit Rs. 8,79,806.00 (Rupees Eight Lakhs Seventy Nine Thousand Eight Hundred Six 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 the contract document.

- 4) आपसे अनुरोध है कि संविदा श्रमिक प्रावधान (विनियम एवं उन्मूलन) एक्ट 1970, श्रमिक प्रावधान (विनियम एवं उन्मूलन)-केन्द्रीय नियम 1971, न्यूनतम मजदूरी अधिनियम एवं इस सम्बन्ध में केन्द्र/राज्य सरकार के नियमों का पालन करना सुनिश्चित करें।

You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act of 1970 and Contract Labour (Regulation & Abolition) Central rules 1971 and Minimum Wages Act & Rules thereof Central and State Governments with up to date amendments.

- 5) आपको निर्देशित किया जाता है कि आप तुरन्त प्रभाव से वरिष्ठ प्रबन्धक (अभि0-सि0), भा.वि.प्रा., कुशीनगर अन्तरराष्ट्रीय विमानपत्तन, कुशीनगर से सम्पर्क करें जो आपको कार्यस्थल सौंपने की व्यवस्था करेंगे।

You are also directed to contact the Sr. Manager (E-C), AAI, Kushinagar International Airport Kushinagar, immediately who will arrange to hand over the site to you.

- 6) कृपया ध्यान दें कि कार्य पूर्ण करने की अवधि 3 (तीन) माह हैं जो कि कार्यस्थल सौंपने के दसवें दिन से प्रभावी मानी जाएगी।

Please note that time allowed for carrying out the work shall be 03 (Three) Months and the same shall be reckoned from the 10th day after issue of this letter.

- 7) संविदा के सन्दर्भ में किसी भी प्रकार का पत्राचार सामान्यतः वरिष्ठ प्रबन्धक (अभि0-सि0), भा.वि.प्रा., कुशीनगर अन्तरराष्ट्रीय विमानपत्तन, कुशीनगर को सम्बोधित करें।



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Any further correspondence in connection with the contract should normally be addressed to the Engineer-in charge, AAI, Kushinagar International Airport Kushinagar.

- 8) कृपया इस पत्र की पावती भेजें या पत्र कि अनुलिपि जो कि संलग्न है को हस्ताक्षरित कर अधोहस्ताक्षरी को स्वीकृत चिन्ह के रूप में वापस करें।

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

- 9) विषयक कार्य से संबंधित अनुसूची-अ, (कुल पृष्ठ 01) (सिविल कार्य रु 87,98,057.00) संलग्न है।

Schedule 'A' of quantities (total pages 01) (Civil work of Rs. 87,98,057.00) of the work is enclosed.

- 10) उपरोक्त के हिन्दी पाठ में कोई अन्तर या द्विधार्थकता होने की स्थिति में अंग्रेजी पाठ मान्य होगा।

In case of difference or ambiguity in Hindi and English version, the English version will prevail.

- 11) आपके प्रत्यक्षपत्र के समर्थन में आपके द्वारा जमा किये गये दस्तावेजों की उचित जाँच की जाती है और कोई विसंगति दिखाई देती है तो ए.ए.आई. निविदा की शर्तों के अनुसार कार्यवाही करेगा।

Documents submitted by you in support of your credential are properly examined and if any discrepancy is noted, then AAI shall take action as per NIT conditions.

धन्यवाद / Thanks

भवदीय

Yours Sincerely

अमर सिंह / Amar Singh

वरिष्ठप्रबंधक (अभि°-सिविल) / Sr. Manager (Engg.-C)

कुशीनगर अंतरराष्ट्रीय हवाई अड्डा / Kushinagar International Airport

कुशीनगर (उत्तर प्रदेश) / Kushinagar, UP

अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण के लिए व उनकी तरफ से
For and on behalf of the chairman, Airports Authority of India

धन्यवाद।

SOQ

Name of Work: Construction of DVOR building and other associated works at Kushinagar International Airport, Kushinagar (UP)

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Nabalok Das(GSTN-NA)	
				Rate	Amount
1.00	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. a) All kinds of soil	240.00	Cum	50.00	12000.00
2.00	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. a) All kinds of soil.	98.00	Cum	100.00	9800.00
3.00	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 a) Pipes, cables etc. exceeding 300 mm dia but not exceeding 600 mm	516.00	Mtr.	100.00	51600.00
4.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	197.00	Cum	50.00	9850.00
5.00	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials. a) All kinds of soil	132.00	Cum	50.00	6600.00
6.00	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	19.00	Cum	1500.00	28500.00
7.00	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. a) All kinds of soil	32175.00	Sqm.	1.00	32175.00
8.00	Supplying chemical emulsion in sealed containers including delivery as specified. a) Chlorpyriphos emulsifiable concentrate of 20%	35.00	Ltr.	175.00	6125.00
9.00	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.: a) With Chlorpyriphos E.C. 20% with 1% concentration	69.00	Mtr.	40.00	2760.00
10.00	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :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 cement : 2 coarse sand) to the full depth of the hole : a) With Chlorpyriphos E.C. 20% with 1% concentration	34.00	Mtr.	40.00	1360.00
11.00	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)	11.00	Cum	7000.00	77000.00
12.00	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)	285.00	Cum	5500.00	1567500.00

13.00	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)	13.00	Sqm.	350.00	4550.00
14.00	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)	41.00	Cum	7500.00	307500.00
15.00	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).	14.00	Cum	7500.00	105000.00
16.00	Centering and shuttering including strutting, propping etc. and removal of form for : a) Foundations, footings, bases for columns etc. for mass concrete.	358.00	Sqm.	100.00	35800.00
17.00	Centering and shuttering including strutting, propping etc. and removal of form for : a) Suspended floors, roofs, landings, balconies and access platform	85.00	Sqm.	300.00	25500.00
18.00	Centering and shuttering including strutting, propping etc. and removal of form for : a) Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.	21.00	Sqm.	300.00	6300.00
19.00	Providing, hoisting and fixing above plinth level up to floor five level precastreinforced 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).	.10	Cum	10000.00	1000.00
20.00	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level . a) Thermo-Mechanically Treated bars of grade Fe-500D or more	4580.00	Kg	68.00	311440.00
21.00	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. a) Thermo-Mechanically Treated bars of grade Fe-500D or more.	2229.00	Kg	68.00	151572.00
22.00	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: a) Cement mortar 1:6 (1 cement : 6 coarse sand)	11.00	Cum	6400.00	70400.00
23.00	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 : a) Cement mortar 1:6 (1 cement : 6 coarse sand)	37.00	Cum	6500.00	240500.00
24.00	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : a) cement mortar 1:4 (1 cement : 4 coarse sand)	33.00	Sqm.	800.00	26400.00
25.00	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. : a) cement mortar 1:4 (1 cement : 4 coarse sand)	9.00	Sqm.	800.00	7200.00
26.00	Extra for providing and placing in position 2 Nos 6 mm dia. M.S. bars at every third course of half brick masonry.	9.00	Sqm.	90.00	810.00

27.00	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. :- Granite stone slab colour black, Cherry/Ruby red or approved by EIC. a) Area of slab over 0.50 sqm	2.00	Sqm.	5000.00	10000.00
28.00	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	700.00	700.00
29.00	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: a) 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	4.00	Sqm.	300.00	1200.00
30.00	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. a) Fixed to steel windows by welding	217.00	Kg	150.00	32550.00
31.00	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, 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.	6.00	Each	700.00	4200.00
32.00	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.	6.00	Each	600.00	3600.00
33.00	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : a) 250x16 mm	7.00	Each	180.00	1260.00
34.00	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : a) 150x10 mm	8.00	Each	70.00	560.00
35.00	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete a) 125 mm	14.00	Each	60.00	840.00
36.00	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. a) Single rubber stopper	7.00	Each	35.00	245.00
37.00	Providing & Fixing decorative high pressure laminated sheet of plain /wood grain in gloss / matt/ suede 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. a) 1.5 mm thick	21.00	Sqm.	700.00	14700.00

38.00	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 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 Chajja 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 chajjas shall be measured for making payment).	7.00	Sqm.	4000.00	28000.00
39.00	Providing and fixing frame work for partitions/ wall lining etc. made of 50x50x1.6 mm hollow MS tube, placed along the walls, ceiling and floor in a grid pattern with spacing @ 60 cm centre to centre both ways (vertically & horizontally) or at required spacing near opening, with necessary welding at junctions and fixing the frame to wall/ ceiling/floors with steel dash fasteners of 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.	209.00	Kg.	130.00	27170.00
40.00	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. a) 12 mm thick.	51.00	Sqm.	1000.00	51000.00
41.00	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 diasteel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	4.00	Sqm.	9000.00	36000.00
42.00	Providing and fixing pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm, pressed mild steel welded or rigidly fixed together by mechanical means, including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge: Profile C a) Fixing with adjustable lugs with split end tail to each jamb	6.00	Mtr.	400.00	2400.00
43.00	Providing and fixing mild steel round holding down bolts with nuts , washer & plates complete.	514.00	Kg.	80.00	41120.00
44.00	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. a) In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	950.00	Kg	100.00	95000.00
45.00	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. a) In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	2340.00	Kg	125.00	292500.00
46.00	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.	6.00	Sqm.	850.00	5100.00

47.00	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 @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	10.00	Sqm.	900.00	9000.00
48.00	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. a) Glazed Vitrified tiles Matt/Antiskid finish of size. i) Size of Tile 600 x 600 mm (Light gray (RAL 7004)	61.00	Sqm.	1200.00	73200.00
49.00	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, inskirting, 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. a) Size of Tile 600x600 mm	8.00	Sqm.	1250.00	10000.00
50.00	Making khurras 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.	1.00	Each	250.00	250.00
51.00	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. A) 110 mm diameter	14.00	Mtr.	300.00	4200.00
52.00	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Bend 87.5° a) 110 mm bend	4.00	Each	120.00	480.00
53.00	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	40.00	160.00
54.00	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. a) Shoe (Plain) i) 110 mm Shoe	4.00	Each	90.00	360.00

55.00	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 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. a) 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 metalized 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 metalized polyester film so as to make the tile a completely sealed unit.	19.00	Sqm.	1300.00	24700.00
56.00	12 mm cement plaster of mix a) 1:6 (1 cement: 6 fine sand)	211.00	Sqm.	250.00	52750.00
57.00	15 mm cement plaster on the rough side of single or half brick wall of mix : a) 1:6 (1 cement: 6 fine sand)	175.00	Sqm.	300.00	52500.00
58.00	6 mm cement plaster of mix : a) 1:3 (1 cement : 3 fine sand)	63.00	Sqm.	250.00	15750.00
59.00	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms/litre, of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. a) Two or more coats on new work	86.00	Sqm.	80.00	6880.00
60.00	Finishing walls with water proofing cement paint of required shade : a) New work (Two or more coats applied @ 3.84 kg/10 sqm)	114.00	Sqm.	80.00	9120.00
61.00	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : (a) Two or more coats on new work.	104.00	Sqm.	80.00	8320.00
62.00	Providing and fixing 16 mm M.S. Fan clamps of standard shape and size in 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.	3.00	Each	400.00	1200.00
63.00	Consolidation of Prepared sub grade with power road roller of 8 to 12 tonne capacity including making good the undulations etc. and re-rolling the sub grade as per direction of Engineer-In-charge.	2711.00	Sqm.	50.00	135550.00
64.00	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	426.00	Cum	6000.00	2556000.00
65.00	Providing and filling in position rubberized bitumen hot sealing compound for sealing of expansion joints in roads / pavements all complete as per direction of the Engineer-in-Charge. a) Using grade 'A' sealing compound conforming to IS: 1834.	4380.00	per cm depth per cm width per metre length	5.00	21900.00

66.00	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. a) 60mm thick cement concrete paver block of M-35 grade with approved colour, design & pattern.	150.00	Sqm.	800.00	120000.00
67.00	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : a) W.C. pan with ISI marked white solid plastic seat and lid	1.00	Each	7000.00	7000.00
68.00	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous: a) White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap	1.00	Each	1600.00	1600.00
69.00	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 :a)Kitchen sink with drain board a) 510x1040 mm bowl depth 178 mm	1.00	Each	6000.00	6000.00
70.00	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	1.00	Each	300.00	300.00
71.00	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. a) Flexible pipe - 32 mm dia	2.00	Each	100.00	200.00
72.00	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete	1.00	Each	1400.00	1400.00
73.00	Providing and fixing toilet paper holder : a)C.P. Brass	1.00	Each	680.00	680.00
74.00	Providing and fixing soil, waste and vent pipes :-75 mm diameter a) Centrifugally cast (spun) iron socketed pipe as per IS: 3989	10.00	Mtr.	1000.00	10000.00
75.00	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes : a) 75 mm dia pipe	5.00	Each	130.00	650.00
76.00	Providing and fixing terminal guard : a) 75 mm-Sand cast iron S&S as per IS - 3989	2.00	Each	300.00	600.00
77.00	Providing and fixing collar : a) 75 mm - Sand cast iron S&S as per IS - 1729	2.00	Each	270.00	540.00
78.00	Providing and fixing M.S. stays and clamps for sand cast iron/centrifugally cast (spun) iron pipes of diameter : a) 75 mm	2.00	Each	80.00	160.00
79.00	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 floors : a)100 mm inlet and 75 mm outlet - Sand cast iron S&S as per IS - 3989	2.00	Each	1500.00	3000.00
80.00	Providing and fixing PTMT liquid soap container 109 mm wide, 125mm 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.	1.00	Each	140.00	140.00

81.00	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 88 gms.	2.00	Each	200.00	400.00
82.00	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. a) 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.	1.00	Each	600.00	600.00
83.00	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) Exposed on wall - 25 mm nominal dia Pipes	10.00	Mtr.	400.00	4000.00
84.00	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) Exposed on wall - 50 mm nominal dia Pipes	50.00	Mtr.	800.00	40000.00
85.00	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. Concealed work, including cutting chases and making good the walls etc. a) 20 mm nominal dia Pipes	15.00	Mtr.	500.00	7500.00
86.00	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. a) External work - 25 mm nominal dia Pipes	256.00	Mtr.	100.00	25600.00
87.00	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : a) 20 mm nominal bore	2.00	Each	450.00	900.00
88.00	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : a) 25 mm nominal bore	1.00	Each	500.00	500.00
89.00	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : a) 50 mm nominal bore	1.00	Each	800.00	800.00
90.00	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : a) 25 mm nominal bore	2.00	Each	400.00	800.00
91.00	Providing and fixing uplasticised PVC connection pipe with brass unions : a) 45 cm length - 15 mm nominal bore	2.00	Each	100.00	200.00
92.00	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	Per Ltr.	15.00	15000.00
93.00	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : a) 15 mm nominal bore	2.00	Each	400.00	800.00
94.00	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms a) 15 mm nominal bore	1.00	Each	700.00	700.00
95.00	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15mm nominal bore	4.00	Each	500.00	2000.00

96.00	Providing and fixing PTMT bib cock of approved quality and colour. a) 15mm nominal bore, 86 mm long, weighing not less than 88 gms	10.00	Each	100.00	1000.00
97.00	Providing and fixing PTMT grating of approved quality and colour. a) Circular type - 125 mm nominal dia with 25 mm waste hole	2.00	Each	40.00	80.00
98.00	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	60.00	Mtr.	370.00	22200.00
99.00	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	60.00	Mtr.	700.00	42000.00
100.00	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 4.50 kg and frame to be not less than 2.70 kg as per standard design: a) 100x100 mm size P type - With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	Each	2000.00	4000.00
101.00	Providing and laying non-pressure NP2 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 : a) 100 mm dia. R.C.C. Pipe	274.00	Mtr.	300.00	82200.00
102.00	Providing and laying non-pressure NP2 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 : a) 150 mm dia. R.C.C. Pipe	225.00	Mtr.	300.00	67500.00
103.00	Providing and laying non-pressure NP2 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 : a) 250 mm dia. R.C.C. Pipe	17.00	Mtr.	800.00	13600.00
104.00	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-III) : 3 graded stone aggregate 20mm 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 floating coat of neat cement complete as per standard design : a) 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	2.00	Each	11000.00	22000.00
105.00	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	1.00	Each	18000.00	18000.00
106.00	Providing and laying Non Pressure NP-4 class (Heavy duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. Complete a) 450 mm dia RCC pipes.	20.00	Mtr.	2000.00	40000.00

107.00	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : a) For fixed portion - Powder coated aluminium (minimum thickness of powder coating 50 micron)	134.00	Kg.	450.00	60300.00
108.00	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) 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)	245.00	Kg.	450.00	110250.00
109.00	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 panelling 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. a) Prelaminated particle board with decorative lamination on one side and balancing lamination on other side.	22.00	Sqm.	1000.00	22000.00
110.00	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): a) With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	22.00	Sqm.	1000.00	22000.00
111.00	Providing and laying six courses water proofing treatment with bitumen felt over roofs consisting of first, third and fifth courses of blown or / and residual bitumen applied hot at 1.45, 1.20 and 1.70 kg per square metre of area respectively, second and fourth courses of roofing felt type 2 grade II (glass fibre base self finished bitumen felt) and sixth and final course of stone grit 6 mm and down size or pea sized gravel spread at 6 cubic decimeter per sqm including preparation of surface but excluding grading, complete.	72.00	Sqm.	600.00	43200.00
112.00	Grading roof for water proofing treatment with a) Cement mortar 1:3 (1 cement : 3 coarse sand)	8.00	Cum	7500.00	60000.00
113.00	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. a) All types of soil - 300 mm dia	50.00	Mtr.	600.00	30000.00

114.00	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. a) 150 mm nominal size dia	20.00	Mtr.	660.00	13200.00
115.00	Supplying, assembling, lowering and fixing in vertical position in borewell 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. a) 150 mm nominal size dia	30.00	Mtr.	1500.00	45000.00
116.00	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	Cum	1700.00	5100.00
117.00	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, i/c disinfection of tubewell, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	10.00	Hours	500.00	5000.00
118.00	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS: 2800 (part I). a) 150 mm dia	1.00	Each	300.00	300.00
119.00	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. a) 150 mm clamp	1.00	Each	1500.00	1500.00
120.00	Construction of embankment/filling in Plinth with approved materials soil obtained from borrow pits (outside airport premises) with all lifts and leads, transporting to site, spreading grading to required slope and compacting to achieve the desired compactions as specified in technical specifications (based on MORTH) etc. complete in all respects and as directed by Engineer-in-charge.	1659.00	cum	150.00	248850.00
121.00	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm FRLSH 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. FRLSH PVC insulated copper conductor single core cable etc as required. (Group C)	19.00	Point	1000.00	19000.00
122.00	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLSH 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)	9.00	Point	1000.00	9000.00
123.10	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLSH PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 1) 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	65.00	Mtr.	1000.00	65000.00
123.20	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLSH PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required. 2) 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	600.00	Mtr.	200.00	120000.00
124.00	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	48.00	Each	100.00	4800.00

125.00	Supply of 4 feet long 18/20W surface mounted LED fitting suitable to operate on 240 V AC, 50 Hz AC supply complete as required.	17.00	Each	2500.00	42500.00
126.00	Supply of energy efficient ceiling fan having 1200 mm sweep, suitable to works on 50Hz, 240 Volt, single Phase, AC supply. Make- Havells, Model - Efficiencia DX BLDC or equivalent as per AAI Preferred make list.	3.00	Each	3000.00	9000.00
127.00	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	3.00	Each	300.00	900.00
128.00	Supply of Heavy Duty Metal Exhaust Fan with 300 mm sweep, 1400 rpm suitable for 240V 50Hz single phase AC Supply complete with louvers of required size and complete with all the accessories as required.	3.00	Each	2000.00	6000.00
129.00	Installation, testing and commissioning of pre-wired, LED Recess, Surface Mounted, street light etc of above fixtures with all accessories including nut bolt washer and hanging/fixing arrangements if required directly on ceiling/ wall, including connections with 1.5 sq. mm FRLSH twin core, PVC insulated, copper conductor and earthing etc. as required.	22.00	Each	1500.00	33000.00
130.00	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	3.00	Each	100.00	300.00
131.00	Installation of exhaust fan in the existing opening, including making good the damage, connection with twin core 1.5 sqmm copper wire, testing, commissioning etc. as required. Upto 450 mm sweep	3.00	Each	300.00	900.00
132.00	Supply of LED street light of minimum lumen output of 3600 lumen made up of pressure die cast Aluminum housing with membrane filter and have IP66 optical as well as electrical compartment with wide operating voltage range of 240+/- 10 % complete with all accessories as required..	6.00	Each	3000.00	18000.00
133.00	Providing & fixing 32/40 mm Dia B class GI pipe of 1.5 mtr on wall for fixing the LED street light with suitable size MS clamps , nut bolt fastner etc. complete as required.	6.00	Each	3000.00	18000.00
134.00	Supplying and fixing Solid Neutral Link enclosure suitable for 4 pole MCB/ MCCB. Note: MCB/MCCB is not included in this item. Make - Indoasian, Model - Optipro Enclosure for Frame-1 Optium 4 Pole MCCB or equivalent from AAI preferred make list.	3.00	Each	700.00	2100.00
135.00	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 As tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's (but without MCB's and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) 12 way (8+36), Double Door	1.00	Each	5000.00	5000.00
136.00	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). 8 way (8 + 24), Double door	1.00	Each	5000.00	5000.00
137.10	Supplying and making end termination with brass compression gland and copper lugs for following size of PVC / XLPE insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required. 1) 4 X 16 sq. mm (28mm)	2.00	Set	5000.00	10000.00
137.20	Supplying and making end termination with brass compression gland and copper lugs for following size of PVC / XLPE insulated and PVC sheathed / XLPE copper conductor cable of 1.1 KV grade as required.2) 4 X 10 Sq. mm (25mm)	4.00	Set	2000.00	8000.00
138.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	59.00	Each	1000.00	59000.00

139.00	Supplying and fixing 32 amp, four pole, (three phase and neutral), 415 volts, MCB, in the existing MCB DB complete with connections, testing and commissioning etc. as required.	4.00	Each	1000.00	4000.00
140.00	Supplying and fixing 63 amp, four pole, (three phase and neutral), 415 volts, MCB, in the existing MCB DB complete with connections, testing and commissioning etc. as required.	2.00	Each	2000.00	4000.00
141.00	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 milli amperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1.00	Each	10000.00	10000.00
142.10	Supply of following size 1.1 KV grade, copper conductor, XLPE insulated, PVC sheathed armoured cable conforming to IS 7098 (Part 1) 1988 with upto Date Amendments. 1) 4 Core, 16 sqmm,	50.00	Mtr.	400.00	20000.00
142.20	Supply of following size 1.1 KV grade, copper conductor, XLPE insulated, PVC sheathed armoured cable conforming to IS 7098 (Part 1) 1988 with upto Date Amendments. 2) 4 Core, 10 sqmm,	25.00	Mtr.	500.00	12500.00
143.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Upto 35 sq. mm (clamped with 1mm thick saddle)	45.00	Mtr.	400.00	18000.00
144.00	Laying of one number PVC insulated and PVC sheathed XLPE power cable of 1.1 kV grade/ control cable of following size in the existing masonry open duct as required. Upto 35 sq. mm	30.00	Mtr.	500.00	15000.00
145.00	Supply, Installation, Testing & Commissioning of 5 Star, 1.5 TR high wall type split Inverter Air Conditioner unit with rotary compressor operating on refrigerant R-32/Non CFC & Copper condensor coil of outdoor unit & having cordless LCD remote, auto restart operation with copper refrigerant gas pipeline insulated with nitrile/polythene foam i/c electrical cable of suitable size copper conductor from indoor to outdoor unit (both upto 10 feet) i/c standard drain pipe, MS base frame / platform duly epoxy painted for outdoor units for operation on 230V, 50 Hz single phase AC supply and capable of performing such standard function like cooling, dehumidifying, air circulating, filtering etc complete as required.	6.00	Nos.	45000.00	270000.00
146.00	Supply, Installation, Testing & Commissioning of automatic programmable AC switching system for the Operation of 02 nos. (01 no running + 01 no. standby) split type Air conditioner Units to change over the system 08 Hours with over load protection facility complete as required.	2.00	Nos.	5000.00	10000.00
147.00	Supply and fixing of extra copper refrigerant piping (beyond the standard length) complete with suction/ liquid line, insulation, drain pipe, electrical cabling, PVC protection piping and all accessories as per site requirement.	30.00	Mtrs.	300.00	9000.00
148.00	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	6.00	Each	3000.00	18000.00
149.00	Supplying and drawing following pair 0.5 mm dia PVC insulated annealed copper conductor, unarmoured telephone cable in the existing surface/ recessed steel/ PVC conduit as required. 2 Pair	30.00	Mtr.	300.00	9000.00
150.00	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required. 2 Module (75 mm X 75 mm X 60 mm deep)	2.00	Each	500.00	1000.00
151.00	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Telephone socket outlet	2.00	Each	500.00	1000.00

Total in Figures

8798057.00

Lowest Amount Quoted BY: Nabalok Das(8798057.00)