



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



No:AAI/TRY/ENGG(C)/NEW DVOR/22-23/ 219

Date: 14-02-2023

To

Shri. K. Villaudam,

No.12, Sri Krishnan Illam, Nagappa Nagar 1st Cross, Airport, Trichy - 620 007.

Mobile: 94437 04485, 99524 33750. Email: kv.krishna29@gmail.com.

Name of work: Installation of new DVOR at Trichy Airport. S.H: Civil & Electrical works - reg.

Ref: Your e-Bid Ref No.AAI/TRY/ENGG(C)/NEW DVOR/22-23,Tender ID: 2022_AAI_135824_1 opened on 01-02-2023.

Dear Sir,

1. Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the Item Rates quoted by you totaling to **Rs.1,17,43,498/-** (Rupees One Crore Seventeen Lakhs Forty Three Thousand Four Hundred and Ninety Eight only) **Inclusive of GST @ 18%**.
2. The Deputy General Manager (Engg-Civil), AAI, Trichy Airport shall be the Engineer-In-Charge of the work. You are requested to attend the office of Deputy General Manager (Engg-Civil) on (or) before 24-02-2023 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.
3. Please deposit Rs.11,74,350/- (Rupees Eleven Lakh Seventy Four Thousand Three Hundred and Fifty Only) towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per Clause 1 A of Clauses of Contract on Page No.36 of contract document.
4. 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 Condition of Service) Act 1996, Building and other construction Workers Welfare Cess Act 1996 as specified in Clause 19 on page no.69 of GCC of tender and rules of Central and State Government.
5. You are requested to comply with all provisions of the Employees Provident Fund and miscellaneous provisions Act 1952 and Employees State Insurance Act 1948, amended from time to time and rule framed there under wherever applicable.



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6. You are also directed to contact Asst. General Manager (Engg-Civil) immediately for the commencement of work.
7. The letters under reference shall form part of Agreement.
8. Please note that the time allowed for carrying out the work shall be **04 (Four) Months only** and same shall be reckoned from **10th day after the issue of this letter.**
9. Any further correspondence in connection with contract should normally be addressed to the Engineer-In-Charge.
10. All Corrigendum, Queries, Clarification etc., raised during e-tendering process and replies thereof including the letter referred above shall also form part of the Agreement.
11. 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.

Thanking you,

Yours faithfully,
/ Sd /-

(Appadi Venkata Sessaiah),
DGM (Engg-Civil),
For and On Behalf of Chairman,
Airports Authority of India.

Encl: Schedule of Quantities.

N.O.O:

Copy to: For Information please.

1. GM (Engg)-SR, AAI, Chennai - 27.
2. Airport Director, AAI, Trichy - 07.
3. Jt. GM (Engg-Civil), AAI, SR, Chennai - 27.
4. Jt. GM (Vigilance), AAI, SR, Administrative Building, Chennai - 27.
5. Jt. GM (CNS), AAI, Trichy - 07.
6. DGM (Engg-Elect), AAI, Trichy - 07.
7. DGM (Fin), AAI, Trichy - 07.
8. AGM (Engg-Civil), AAI, Trichy - 07.
9. Manager (Engg-Civil), AAI, Trichy - 07.
10. The Labour Enforcement Officer, In the campus of Dy. Chief Engineer (Construction) Southern Rly. Opp. Arun Hotel, Trichirappalli-620001.

(Signature)
14/2/23
(Appadi Venkata Sessaiah),
DGM (Engg-Civil),
For and On Behalf of Chairman,
Airports Authority of India.

उप महाप्रबंधक इजी (सिविल)
DEPUTY GENERAL MANAGER ENGG (CIVIL)
भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
त्रिचिरापल्ली 620 007
TRICHIRAPPALLI-620 007

Item Rate BoQ

Tender Inviting Authority: Assistant General Manager (Engg-Civil), AAI, Trichy International Airport, Trichy - 620 007.
 Name of Work: Installation of new DVOR at Trichy Airport. S.H: Civil & Electrical works.
 Contract No: Tender Ref No: AA/TRY/ENG/C/NEW DVOR/22-23, Tender ID: 2022_AAI_135824_1

Name of the Bidder/ Bidding Firm / Company :		K.VILLAUDAM,TRICHY-620007									
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 #	NUMBER #	TEXT #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	RATE Excluding GST In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT WITHOUT GST	TOTAL AMOUNT In Words					
1	2	3	4	5	6	7					
1	Civil Works:										
1.01	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	711.40	Cum	207.00	147259.80	INR One Lakh Forty Seven Thousand Two Hundred & Fifty Nine and Paise Eighty Only					
1.02	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.	30.00	Cum	207.00	6210.00	INR Six Thousand Two Hundred & Ten Only					
1.03	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.	172.10	Cum	153.00	26331.30	INR Twenty Six Thousand Three Hundred & Thirty One and Paise Thirty Only					
1.04	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	13273.30	Sqm	18.00	238919.40	INR Two Lakh Thirty Eight Thousand Nine Hundred & Nineteen and Paise Forty Only					
1.05	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : a)1:1½:3 (1 Cement: 1½ coarse M Sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	13.90	Cum	6300.00	87570.00	INR Eighty Seven Thousand Five Hundred & Seventy Only					

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1	2	3	4	5	6	7	
1.06	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 M sand derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	91.20	Cum	6003.00	547473.60	INR Five Lakh Forty Seven Thousand Four Hundred & Seventy Three and Paise Sixty Only	
1.07	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 M Sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	323.70	Cum	5040.00	1631448.00	INR Sixteen Lakh Thirty One Thousand Four Hundred & Forty Eight Only	
1.08	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).	12.30	Sqm	900.00	11070.00	INR Eleven Thousand & Seventy Only	
1.09	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, filels, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : a)1:1.5:3 (1 cement : 1.5 M sand derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	6.00	Cum	7200.00	43200.00	INR Forty Three Thousand Two Hundred Only	
1.10	Centering and shuttering including strutting, propping etc. and removal of form for: b) Foundations, footings, bases of columns, etc. for mass concrete.	464.90	Sqm	306.00	142259.40	INR One Lakh Forty Two Thousand Two Hundred & Fifty Nine and Paise Forty Only	
1.11	Centering and shuttering including strutting, propping etc. and removal of form for: c) Suspended floors, roofs, landings, balconies and access platform.	79.30	Sqm	450.00	35685.00	INR Thirty Five Thousand Six Hundred & Eighty Five Only	
1.12	Centering and shuttering including strutting, propping etc. and removal of form for: a) Lintels, beams, plinth beams, girders, bressumers and cantilevers.	74	Sqm	450.00	33300.00	INR Thirty Three Thousand Three Hundred Only	
1.13	Centering and shuttering including strutting, propping etc. and removal of form for: b) Columns, Pillars, Piers, Abutments, Posts and Struts	36.60	Sqm	450.00	16470.00	INR Sixteen Thousand Four Hundred & Seventy Only	
1.14	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.	4524.00	Kg	108.00	488592.00	INR Four Lakh Eighty Eight Thousand Five Hundred & Ninety Two Only	
1.15	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.	2210	Kg	108.00	238680.00	INR Two Lakh Thirty Eight Thousand Six Hundred & Eighty Only	

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1	2	3	4	5	6	7	
1.16	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works upto plinth level a) Concrete of M25 grade with minimum cement content of 330 kg / cum	34.80	Cum	7200.00	250560.00	INR Two Lakh Fifty Thousand Five Hundred & Sixty Only	
1.17	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. All works above plinth level upto floor V level a) Concrete of M25 grade with minimum cement content of 330 kg /cum	11.00	Cum	7200.00	79200.00	INR Seventy Nine Thousand Two Hundred Only	
1.18	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 M Sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	29.60	Sqm	1350.00	39960.00	INR Thirty Nine Thousand Nine Hundred & Sixty Only	
1.19	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). a)Second class teak wood	0.10	Cum	180000.00	18000.00	INR Eighteen Thousand Only	

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1	2	3	4	5	6	7	
1.20	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately) Second class teak wood a)35 mm thick shutters	2.90	Sqm	2700.00	7830.00	INR Seven Thousand Eight Hundred & Thirty Only	
1.21	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.	3.00	Each	900.00	2700.00	INR Two Thousand Seven Hundred Only	
1.22	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	6.00	Each	270.00	1620.00	INR One Thousand Six Hundred & Twenty Only	
1.23	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	1350.00	8100.00	INR Eight Thousand One Hundred Only	
1.24	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)300x16 mm	6.00	Each	360.00	2160.00	INR Two Thousand One Hundred & Sixty Only	
1.25	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)250x10 mm	6.00	Each	306.00	1836.00	INR One Thousand Eight Hundred & Thirty Six Only	
1.26	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	2.00	Each	270.00	540.00	INR Five Hundred & Forty Only	
1.27	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	12.00	Each	180.00	2160.00	INR Two Thousand One Hundred & Sixty Only	

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1.28	Providing and fixing in position concealed G.I. section for wall paneling using board of required thickness fixed on the 'W' profile (0.55 mm thick) having a knurled web of 51.55 mm and two flanges of 26 mm each with lips of 10.55 mm, placed @ 610 mm C/C in perimeter channel having one flange of 20 mm and another flange of 30 mm with thickness of 0.55 mm and web of length 27 mm. Perimeter channel is fixed on the floor and the ceiling with the nylon sleeves @ 610 mm C/C with fully threaded self-tapping dry wall screws. Board is fixed to the 'W' profile with 25 mm countersunk ribbed head screws @ 200 mm C/C, all complete as per the drawing & directions of engineer-in-charge, the joints of the boards are finished with specially formulated jointing compound and 48mm wide jointing tape to provide seamless finish. Plain Gypsum plaster board conforming to IS: 2095 Part - 1:2011 (Board with BIS certification marks) 12.5 mm thick	52.50	Sqm	990.00	51975.00	INR Fifty One Thousand Nine Hundred & Seventy Five Only	
1.29	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. a) Size of Tile 600x600 mm	61.70	Sqm	1350.00	83295.00	INR Eighty Three Thousand Two Hundred & Ninety Five Only	
1.30	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg / sqm including grouting the joint with white cement & matching pigments etc. complete. a) Size of Tile 600x600 mm	7.00	Sqm	1350.00	9450.00	INR Nine Thousand Four Hundred & Fifty Only	

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1	2	3	4	5	6	7	
1.31	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 24x38mm made from 0.30 mm thick (minimum) sheet, spaced at 1200mm center to center and cross "T" of size 24x25 mm made of 0.30mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x 1.6 mm fixed to ceiling with 12.5 mm dia and 50mm 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)GI Metal Ceiling Lay in plain Tegalur edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8mm drop made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.	18.80	Sqm	1800.00	33840.00	INR Thirty Three Thousand Eight Hundred & Forty Only	
1.32	12 mm cement plaster of mix : 1:6 (1 cement. 6 coarse sand)	195.60	Sqm	306.00	59853.60	INR Fifty Nine Thousand Eight Hundred & Fifty Three and Paise Sixty Only	
1.33	15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement. 6 coarse sand)	122.60	Sqm	360.00	44136.00	INR Forty Four Thousand One Hundred & Thirty Six Only	
1.34	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	73.20	Sqm	360.00	26352.00	INR Twenty Six Thousand Three Hundred & Fifty Two Only	
1.35	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	268.80	Sqm	90.00	24192.00	INR Twenty Four Thousand One Hundred & Ninety Two Only	
1.36	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer.	122.60	Sqm	54.00	6620.40	INR Six Thousand Six Hundred & Twenty and Paise Forty Only	
1.37	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	122.60	Sqm	90.00	11034.00	INR Eleven Thousand & Thirty Four Only	

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1	2	3	4	5	6	7	
1.38	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade a) New work (two or more coats) over and including water thinnable priming coat with cement primer	268.80	Sqm	72.00	19353.60	INR Nineteen Thousand Three Hundred & Fifty Three and Paise Sixty Only	
1.39	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	1600.00	Sqm	45.00	72000.00	INR Seventy Two Thousand Only	
1.40	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paver/finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	400.00	Cum	2520.00	1008000.00	INR Ten Lakh Eight Thousand Only	
1.41	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.	1036.00	Sqm	810.00	839160.00	INR Eight Lakh Thirty Nine Thousand One Hundred & Sixty Only	
1.42	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) 80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	1600.00	Sqm	990.00	1584000.00	INR Fifteen Lakh Eighty Four Thousand Only	
1.43	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	6300.00	6300.00	INR Six Thousand Three Hundred Only	

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1.44	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: a) White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	1.00	Each	5400.00	5400.00	INR Five Thousand Four Hundred Only	
1.45	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete: Semi rigid pipe a) 32 mm dia	1.00	Each	270.00	270.00	INR Two Hundred & Seventy Only	
1.46	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. a) 15 mm nominal dia Pipes	15.00	Metre	306.00	4590.00	INR Four Thousand Five Hundred & Ninety Only	
1.47	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) 25 mm nominal bore	100.00	Metre	360.00	36000.00	INR Thirty Six Thousand Only	
1.48	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : a) 25 mm nominal bore	2.00	Each	2700.00	5400.00	INR Five Thousand Four Hundred Only	
1.49	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : a) 50 mm nominal bore	2.00	Each	3600.00	7200.00	INR Seven Thousand Two Hundred Only	
1.50	Providing and fixing uplasticsed PVC connection pipe with brass unions : 45 cm length a) 15 mm nominal bore	1.00	Each	180.00	180.00	INR One Hundred & Eighty Only	
1.51	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	Litres	10.80	10800.00	INR Ten Thousand Eight Hundred Only	
1.52	Providing and fixing C.P. brass stop cock of standard design and of approved make conforming to IS:8931. a) 15 mm nominal bore.	2.00	Each	1080.00	2160.00	INR Two Thousand One Hundred & Sixty Only	

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1	2	3	4	5	6	7	
1.53	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 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : a) With common burnt clay F.P.S. (non modular) bricks of class designation 5	1.00	Each	10800.00	10800.00	INR Ten Thousand Eight Hundred Only	
1.54	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design : a) With 20 mm diameter round bar	20.00	Each	720.00	14400.00	INR Fourteen Thousand Four Hundred Only	
1.55	Supplying and fixing C.I. cover without frame for manholes : a) 455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg	6.00	Each	5400.00	32400.00	INR Thirty Two Thousand Four Hundred Only	
1.56	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 5	1.00	Each	18000.00	18000.00	INR Eighteen Thousand Only	
1.57	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, mitted and jointed mechanically wherever required including cleat angle. Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion a) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	109.00	Kg	504.00	54936.00	INR Fifty Four Thousand Nine Hundred & Thirty Six Only	

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1	2	3	4	5	6	7	
1.58	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P.brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) a)Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	66.00	Kg	504.00	33264.00	INR Thirty Three Thousand Two Hundred & Sixty Four Only	
1.59	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 aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. a) Pre-laminated particle board with decorative lamination on both sides	5.40	Sqm	1080.00	5832.00	INR Five Thousand Eight Hundred & Thirty Two Only	
1.60	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 5 mm thickness (weight not less than 12.50 kg/sqm)	10.30	Sqm	1080.00	11124.00	INR Eleven Thousand One Hundred & Twenty Four Only	

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1	2	3	4	5	6	7	
1.61	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5(1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement : 4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test.'All above operations to be done in order and as directed and specified by the Engineer-in-Charge: With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	73.20	Sqm	1350.00	98820.00	INR Ninety Eight Thousand Eight Hundred & Twenty Only	
1.62	Supplying and filling in plinth with M Sand under floors, including watering, ramming, consolidating and dressing complete.	118.10	Cum	1800.00	212580.00	INR Two Lakh Twelve Thousand Five Hundred & Eighty Only	
1.63	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 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)	2.20	Cum	7200.00	15840.00	INR Fifteen Thousand Eight Hundred & Forty Only	
1.64	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 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)	26.30	Cum	7200.00	189360.00	INR One Lakh Eighty Nine Thousand Three Hundred & Sixty Only	
1.65	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 5 in superstructure above plinth level up to floor V level. a) Cement mortar 1:4 (1 cement : 4 coarse sand)	18.80	Sqm	1080.00	20304.00	INR Twenty Thousand Three Hundred & Four Only	
1.66	Providing and fixing unplasticised PVC health faucet of approved quality and colour as per the direction of Engineer-In-Charge.	1.00	Each	900.00	900.00	INR Nine Hundred Only	
1.67	Providing and fixing unplasticised Rigid PVC moulded fittings / accessories, to pvc drainage pipe, jointing with solvent cement etc complete as directed by the Engineer-In-Charge. a) 110 mm dia FLOOR PVC Trap with stainless steel gratings.	2.00	Each	306.00	612.00	INR Six Hundred & Twelve Only	

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1	2	3	4	5	6	7	
1.68	Providing and fixing unplasticised Rigid PVC moulded fittings / accessories, to pvc drainage pipe, jointing with solvent cement etc complete as directed by the Engineer-In-Charge. b) 110 mm dia PVC Elbow 87.5°	5.00	Each	306.00	1530.00	INR One Thousand Five Hundred & Thirty Only	
1.69	Providing and fixing unplasticised Rigid PVC moulded fittings / accessories, to pvc drainage pipe, jointing with solvent cement etc complete as directed by the Engineer-In-Charge. c) 110 mm dia PVC Elbow	5.00	Each	306.00	1530.00	INR One Thousand Five Hundred & Thirty Only	
1.70	Providing and fixing unplasticised Rigid PVC moulded fittings / accessories, to pvc drainage pipe, jointing with solvent cement etc complete as directed by the Engineer-In-Charge. d) 110 mm dia PVC SHOE	5.00	Each	306.00	1530.00	INR One Thousand Five Hundred & Thirty Only	
1.71	Providing and fixing unplasticised Rigid PVC moulded fittings / accessories, to pvc drainage pipe, jointing with solvent cement etc complete as directed by the Engineer-In-Charge. e) 110 mm dia PVC TEE	5.00	Each	306.00	1530.00	INR One Thousand Five Hundred & Thirty Only	
1.72	Providing and fixing unplasticised Rigid PVC 6 kg/l pipes confirming to IS including jointing with solvent cement etc complete as directed by the Engineer-In-Charge. a) 110 mm dia pipe	50.00	Metre	540.00	27000.00	INR Twenty Seven Thousand Only	
1.73	Providing and fixing unplasticised Rigid PVC 6 kg/l pipes confirming to IS including jointing with solvent cement etc complete as directed by the Engineer-In-Charge. b) 50 mm dia pipe	25.00	Metre	306.00	7650.00	INR Seven Thousand Six Hundred & Fifty Only	
1.74	Providing and laying HDPE pipes complete with fittings including trenching and refilling etc.. External work a) 150mm inner dia	200.00	Metre	1440.00	288000.00	INR Two Lakh Eighty Eight Thousand Only	
1.75	Design of foundation, column and roof slab for DVOR building as per the tender drawing including submission of design, GFC drawings vetted from the recognized government institutions as per direction of Engineer-In-Charge.	1.00	Job	90000.00	90000.00	INR Ninety Thousand Only	
2	<u>Electrical works:</u>						
2.01	Supplying and fixing of 12way, Double door, 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)	2.00	Each	3204.00	6408.00	INR Six Thousand Four Hundred & Eight Only	

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1	2	3	4	5	6	7			
2.02	Supplying and fixing of 5A to 32A rating 240V, 10kA 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. a) Single Pole	20.00	Each	306.00	6120.00	INR Six Thousand One Hundred & Twenty Only			
2.03	Supplying and fixing of 5A to 32A rating 240V, 10kA 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. b) Double pole	2.00	Each	882.00	1764.00	INR One Thousand Seven Hundred & Sixty Four Only			
2.04	Supplying and fixing of 8 Module (125mmX125mm) modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.	15.00	Each	666.00	9990.00	INR Nine Thousand Nine Hundred & Ninety Only			
2.05	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. a) 5/6 A switch	14.00	Each	108.00	1512.00	INR One Thousand Five Hundred & Twelve Only			
2.06	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. b) 3 pin 5/6 A socket outlet	14.00	Each	189.00	2646.00	INR Two Thousand Six Hundred & Forty Six Only			
2.07	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. c) 15/16 A switch	16.00	Each	225.00	3600.00	INR Three Thousand Six Hundred Only			
2.08	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. d) 6 pin 15/16 A socket outlet	16.00	Each	306.00	4896.00	INR Four Thousand Eight Hundred & Ninety Six Only			
2.09	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Note: Regulator to be provided for fan points. Group C	27.00	Point	2313.00	62451.00	INR Sixty Two Thousand Four Hundred & Fifty One Only			
2.10	Wiring for circuit/ submain wiring alongwith earth wire with the 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required	120.00	Mtr	486.00	58320.00	INR Fifty Eight Thousand Three Hundred & Twenty Only			

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2.11	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	100.00	Mtr	558.00	55800.00	INR Fifty Five Thousand Eight Hundred Only	
2.12	Wiring for circuit/ submain wiring alongwith earth wire with the 2 X 6 sq. mm + 1 X 6 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.	60.00	Mtr	738.00	44280.00	INR Forty Four Thousand Two Hundred & Eighty Only	
2.13	Supply of Recessed mounted 1ft x 4ft LED luminaries having minimum lumen output of 3600 lumens, system efficacy not less than 100 lumen/watt, control driver with minimum 2kV surge suppressor, fitting made up of opf extruded aluminum/CRCA/ standard alloy white powder coated housing, polycarbonate diffuser for uniform light distribution with IP20 protection suitable to operate on 230V, 50Hz, single phase AC supply inline with technical specifications attached with 5 years warranty complete as required and equivalent to Model : PLUTONEO4X1PLR36WLED857S, Make: Havells/ BZRSLL 36L LED GX WH SD Make: Bajaj	17.00	Each	6768.00	115056.00	INR One Lakh Fifteen Thousand & Fifty Six Only	
2.14	Supply of LED flood light luminaries having minimum lumen output of 5500 lm, system efficacy note less than 110 lumen/watt, control driver with minimum 4 kV surge suppressor, made up of pressure die cast housing with toughened glass/polycarbonate diffuser, suitable to operating single phase, 50Hz AC supply meeting with minimum requirements specified in the technical specification and equivalent to Model No. GLEAM F 55L WS HY PC SD V2, Make: Bajaj/ JETAQUANTOPLUSFLP50WLED757SYMLENS Make : Havells	5.00	Each	6274.00	31370.00	INR Thirty One Thousand Three Hundred & Seventy Only	
2.15	Installation testing commissioning of all type of LED luminaires fitting/fans including all necessary accessories / clamp / washers on Truss / Recess / Surface / wall bracket /Wall mounted/street light of height up to 5 mtrs etc., as required.	22.00	Each	234.00	5148.00	INR Five Thousand One Hundred & Forty Eight Only	
2.16	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 20 A 240 V DP RCBO(30mA) complete with connections, testing and commissioning etc. as required.	6.00	Each	5508.00	33048.00	INR Thirty Three Thousand & Forty Eight Only	
2.17	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 40 A 240 V two module changeover switch conforming to IEC 60947-3 complete with connections, testing and commissioning etc. as required.	1.00	Each	3306.00	3306.00	INR Three Thousand Three Hundred & Six Only	
2.18	Supply of Energy efficient 1200mm ceiling fan having air delivery of 230 CMM complete with fan blades, top and bottom canopy with all accessories suitable for operation on 230V AC supply etc., as required.(Crompton Riviera High Speed)	3.00	Each	3306.00	9918.00	INR Nine Thousand Nine Hundred & Eighteen Only	

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2.19	Supply of 300mm sweep, 1350 rpm, high suction capacity, low noise, exhaust fan with metal body, metal blades, including metal bird screen for protection from birds and other foreign materials suitable to operate on 230V, AC supply, etc., complete as required.	3.00	Each	1872.00	5616.00	INR Five Thousand Six Hundred & Sixteen Only	
2.20	Supply, installation, testing and commissioning of UL/EN listed microprocessor IP based two loop intelligent Analogue Addressable type Fire Alarm Control panel with minimum 168 character LCD display. Each loop can be capable of handling 50 addressable devices / detectors. Suitable for 230 ± 10% AC power supply as in-comer, with battery charger, 24V SMF maintenance free battery backup, sufficient for 24 hours normal working and than be capable of operating the system for 30 minutes for emergency conditions as required.	1.00	Each	180000.00	180000.00	INR One Lakh Eighty Thousand Only	
2.21	Supply, installation, testing & commissioning of UL / EN Addressable Multi Criteria Detector (Smoke + heat) complete with all accessories like base plate, base box, connections & interconnections and in built short circuit isolator etc as required	11.00	Each	3663.00	40293.00	INR Forty Thousand Two Hundred & Ninety Three Only	
2.22	Supply, installation, testing and commissioning of UL / EN listed (Latest Version) Response Indicators for getting fire indications of detectors i/c mounting boxes installed above false ceiling area interconnecting to loop cable etc. as per specification complete as required.	6.00	Each	135.00	810.00	INR Eight Hundred & Ten Only	
2.23	Supply, installation, testing and commissioning of UL / EN listed (latest version) Intelligent addressable Control Module/ Relay Module (output module) for sounder complete with termination etc. as required and as per enclosed specifications	1.00	Each	7155.00	7155.00	INR Seven Thousand One Hundred & Fifty Five Only	
2.24	Supply, installation, testing & commissioning of UL / EN Addressable Manual Call Point complete with all accessories like base plate, base box, connections & interconnections and in built short circuit isolator etc.	1.00	Each	7155.00	7155.00	INR Seven Thousand One Hundred & Fifty Five Only	
2.25	Supply, installation, testing & commissioning of Addressable Fire Alarm Sounder cum strobe complete with all accessories like base plate, base box, connections & interconnections and in built short circuit isolator etc.	1.00	Each	7704.00	7704.00	INR Seven Thousand Seven Hundred & Four Only	
2.26	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. (As per approved make).	1.00	Each	12321.00	12321.00	INR Twelve Thousand Three Hundred & Twenty One Only	
2.27	Supplying and drawing 1.5 sqmm FRLS PVC insulated wire in existing conduit	150.00	Mtr	54.00	8100.00	INR Eight Thousand One Hundred Only	

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1	2	3	4	5	6	7	
2.28	Supplying and fixing of 20 mm steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required	50.00	Mtr	333.00	16650.00	INR Sixteen Thousand Six Hundred & Fifty Only	
2.29	Supply and fixing of wall mountable type LED rechargeable emergency light having power consumption of 2W, working on single phase 240V, 50HZ, with Lithium ion battery, with auto on when power cut, having power on indicator, charging indicator etc., and equivalent to Philips Slim Ray 30 LED	6.00	Each	2007.00	12042.00	INR Twelve Thousand & Forty Two Only	
Total in Figures					9952117.10	INR Ninety Nine Lakh Fifty Two Thousand One Hundred & Seventeen and Paise Ten Only	
Quoted Rate in Words	INR Ninety Nine Lakh Fifty Two Thousand One Hundred & Seventeen and Paise Ten Only						

Add GST @ 18% = 1791381.08
Grand Total = Rs. 11743498.00

Signature Not Verified

Digitally signed by GANESAN RAMALINGAM

Date: 2023.02.15 13:07:18 IST

Location: eProcurement System for Central PSUs