



ONGC

CAUVERY ASSET – KARAIKAL

Office of the I/C CIVIL, Neravy Complex, Karaikal- 609604

No.ONG/KKL/CA/ES/GM(C)/T(VC1CB24018)/2024-25/NOA/SSC

Date: 09.10.2024

To,

SRI SIVA SAKTHI CONSTRUCTION,
197, Thoppu Theru, Marungur (Po),
Eravancherry, Nagapattinam – 609 702.
Mob: 89731 73484.
E-mail ID: balukala2003@gmail.com

NOTIFICATION OF AWARD (NOA)

NAME OF WORK: “Repair and renovation of toilets in Neravy base office, Neravy, Karaikal (Civil & Electrical)”.

Dear Sir,

Your tender for the above mentioned work has been accepted on behalf of the ONGC at your quoted offer of **Rs.35,16,759.78 (Rupees Thirty Five lakhs Sixteen thousand Seven hundred Fifty Nine and Paise Seventy Eight only)** which is (-)5.90% below the estimated cost of Rs.37,37,258.00.

You are requested to submit the Performance Guarantee in the form of NEFT/RTGS/Electronic fund transfer/ Electronic Bank Guarantee for the sum of **Rs.3,51,675.98 (Rupees Three lakhs Fifty One thousand Six hundred Seventy Five and Paise Ninety Eight only)** in the prescribed proforma vide Appendix- 1 of bid document from any Nationalized / Scheduled Bank which is valid up to 31.07.2026.

You may kindly confirm within 03 days of issue of the NOA that SD/PBG shall be submitted within 15 days from the date of NOA and also execute an agreement on non-judicial stamped paper worth Rs. 100/- (Rupees One Hundred only) as per standard Performa, which shall be signed within 15 days from receipt of an acceptable SD or PBG.

You are requested to obtain a PF Code number from the respective PF Commissioner (if not yet obtained, so far) and to submit proof of the same before submitting your bill.

You are requested to start the work immediately. However, the time Limit of **06 (Six) months** shall be reckoned from the 15th day of this NOA or the handing over of the site, whichever is later.

9/10/2024
EE (C)

For and on behalf of

ONGC
SREENADH. C / श्रीनाथ सी
EE (Civil) / कार्य अधिका (सिविल)

Note: 1. The Nomenclatures, quantities, units and rates of the items provided in the original tender shall be considered for all purposes, in case of any dispute on account of Typographical error etc.

2. You are requested to contact I/c ESTATE who shall remain in charge for the above work and shall arrange to hand over the work to you. All further correspondence in respect of this work should be addressed to him.

N.o.o.

Copy to:-

1. CGM – HES
2. CGM - HR
3. GM (I/c – Civil) - for kind information pls.
4. GM (F&A), Neravy -----do----- (PR. No. 2090059886)
5. DGM(HR) - With a request:
To inform LEO through Form – VI-B for commencement & completion of the work.
To ensure the submission of proof of EPF Code by the Agency before processing his bill
6. Agreement Copy
7. Tender Cell.
8. File.

Encl: Schedule-B

Schedule-B

Civil works:

SH 01: Renovation of toilet near pump room Logging side (Gents toilet), ONGC office complex, Neravy, Karaikal.

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	6.00	sqm	74.96	449.76
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	25.00	sqm	55.81	1395.25
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size from natural sources)	0.50	cum	8045.42	4022.71
4	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	27.00	sqm	407.91	11013.57
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	3.00	each	146.54	439.62
6	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	1.00	each	114.42	114.42
7	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	6.00	sqm	1586.36	9518.16
8	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.Tile of size 600x600mm	27.00	sqm	1657.44	44750.88



Sl.no	Description of item	Quantity	Unit	Rate	Amount
9	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59
10	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52
11	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.15 mm nominal bore	1.00	each	838.09	838.09
12	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	4.00	each	586.47	2345.88
13	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	1.00	each	687.67	687.67
14	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm ²) and bottom concrete CC 1:5:10 (1 cement:5 river-sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	1.00	each	3742.87	3742.87
15	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. 110mm diameter	6.00	metre	385.4	2312.4

Sl.no	Description of item	Quantity	Unit	Rate	Amount
16	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	15.00	metre	362.93	5443.95
17	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	6.00	metre	953.94	5723.64
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	10.00	metre	508.35	5083.5
19	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	1.00	each	635.59	635.59
20	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
21	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I./PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required: :Single squatting plate with 5 litre P.V.C. automatic flushing cistern	2.00	each	9452.56	18905.12

Sl.no	Description of item	Quantity	Unit	Rate	Amount
22	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	6.00	kg	505.54	3033.24
23	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	1.00	sqm	1201.73	1201.73
24	Brick Work with Country Bricks (compressive strength not less than 35 Kg/cm ²) in foundation and plinth in Cement Mortar 1 : 6 (1 Cement : 6 coarse sand).	0.50	cum	5288.99	2644.5
25	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	3.00	sqm	340.41	1021.23
26	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitred cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	9.00	metre	710.75	6396.75

Sl.no	Description of item	Quantity	Unit	Rate	Amount
27	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/ bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strenghtened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	3.00	sqm	3833.74	11501.22
28	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	27.00	sqm	20.17	544.59
29	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	22.00	sqm	75.52	1661.44
30	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	28.00	sqm	64.03	1792.84

Sl.no	Description of item	Quantity	Unit	Rate	Amount
31	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	1.00	each	374.88	374.88
32	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	2.00	each	117.74	235.48
33	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	3.00	each	86.8	260.4
34	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	2.00	each	38.4	76.8
35	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	2.00	each	1591.37	3182.74
36	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.	1.00	each	236.86	236.86
37	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 :125mm	4.00	each	67.65	270.6
38	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	1.00	trip	469.49	469.49
39	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	2.00	perday/per person	574.13	1148.26
40	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	2.00	each	109.47	218.94

Sl.no	Description of item	Quantity	Unit	Rate	Amount
41	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 : 150x10 mm	4.00	each	84.3	337.2
42	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 75X47X1.80 mm	6.00	each	81.75	490.5
43	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	1.00	each	1048.4	1048.4
44	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. 75mm diameter	8.00	metre	254.07	2032.56
45	Half Brick masonry with Country Bricks in foundation and plinth in Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand).	1.00	sqm	663.32	663.32
46	Constructing soak pit 1.20x1.20x1.20 m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	2951.33	2951.33
47	Providing and fixing Hand shower (Health Faucet) with 8mm dia, 1 meter long flexible tube and wall hook of Jaquar : Catalogue No.ALD- 573 or equivalent approved complete as directed.	1.00	No	1601.63	1601.63

SH 01 Total Rs.173137.77

SH 02: Renovation of MM section Gents toilet ONGC office complex, Neravy, Karaikal.

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	5.00	sqm	74.96	374.8
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	23.00	sqm	55.81	1283.63
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size from natural sources)	0.50	cum	8045.42	4022.71
4	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	23.00	sqm	407.91	9381.93

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SREENADH. C / श्रीनाथ सी
EE (Civil) / कार्य अभियंता (सिविल)

Sl.no	Description of item	Quantity	Unit	Rate	Amount
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	2.00	each	146.54	293.08
6	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	1.00	each	114.42	114.42
7	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	5.00	sqm	1586.36	7931.8
8	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. Tile of size 600x600mm	23.00	sqm	1657.44	38121.12
9	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59
10	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52
11	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.15 mm nominal bore	1.00	each	838.09	838.09
12	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	3.00	each	586.47	1759.41

Sl.no	Description of item	Quantity	Unit	Rate	Amount
13	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	1.00	each	687.67	687.67
14	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm ²) and bottom concrete CC 1:5:10 (1 cement:5 river-sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	1.00	each	3742.87	3742.87
15	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. 110mm diameter	12.00	metre	385.4	4624.8
16	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	15.00	metre	362.93	5443.95
17	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	12.00	metre	953.94	11447.28
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	8.00	metre	508.35	4066.8
19	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	1.00	each	635.59	635.59

Sl.no	Description of item	Quantity	Unit	Rate	Amount
20	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
21	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I./PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required: :Single squatting plate with 5 litre P.V.C. automatic flushing cistern	1.00	each	9452.56	9452.56
22	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	6.00	kg	505.54	3033.24
23	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	1.00	sqm	1201.73	1201.73
24	Brick Work with Country Bricks (compressive strength not less than 35 Kg/cm ²) in foundation and plinth in Cement Mortar 1 : 6 (1 Cement : 6 coarse sand).	0.10	cum	5288.99	528.9
25	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	3.00	sqm	340.41	1021.23

Sl.no	Description of item	Quantity	Unit	Rate	Amount
26	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitered cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	9.00	metre	710.75	6396.75
27	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/ bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strengthened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	3.00	sqm	3833.74	11501.22
28	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	27.00	sqm	20.17	544.59

Sl.no	Description of item	Quantity	Unit	Rate	Amount
29	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	22.00	sqm	75.52	1661.44
30	Distemping with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	28.00	sqm	64.03	1792.84
31	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	1.00	each	374.88	374.88
32	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	2.00	each	117.74	235.48
33	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	3.00	each	86.8	260.4
34	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	2.00	each	38.4	76.8
35	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	2.00	each	1591.37	3182.74
36	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.	1.00	each	236.86	236.86
37	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 :125mm	4.00	each	67.65	270.6
38	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	1.00	trip	469.49	469.49

Sl.no	Description of item	Quantity	Unit	Rate	Amount
39	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	2.00	perday/per person	574.13	1148.26
40	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	1.00	each	109.47	109.47
41	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 : 150x10 mm	4.00	each	84.3	337.2
42	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 75X47X1.80 mm	6.00	each	81.75	490.5
43	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	1.00	each	1048.4	1048.4
44	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. 75mm diameter	10.00	metre	254.07	2540.7
45	Half Brick masonry with Country Bricks in foundation and plinth in Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand).	1.00	sqm	663.32	663.32
46	Constructing soak pit 1.20x1.20x1.20 m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	2951.33	2951.33
47	Providing and fixing Hand shower (Health Faucet) with 8mm dia, 1 meter long flexible tube and wall hook of Jaquar : Catalogue No.ALD- 573 or equivalent approved complete as directed.	1.00	No	1601.63	1601.63

SH 02 Total Rs. 158220.27

SH 03: Renovation of toilet WSS side Gents toilet, ONGC office complex, Neravy, Karaikal.

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	5.00	sqm	74.96	374.8
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	23.00	sqm	55.81	1283.63


SREENIVAS C / श्रीनाथ सी
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Sl.no	Description of item	Quantity	Unit	Rate	Amount
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size from natural sources)	0.50	cum	8045.42	4022.71
4	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	23.00	sqm	407.91	9381.93
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	2.00	each	146.54	293.08
6	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	1.00	each	114.42	114.42
7	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	5.00	sqm	1586.36	7931.8
8	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. Tile of size 600x600mm	23.00	sqm	1657.44	38121.12
9	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59
10	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52

Sl.no	Description of item	Quantity	Unit	Rate	Amount
11	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.15 mm nominal bore	1.00	each	838.09	838.09
12	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	3.00	each	586.47	1759.41
13	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	1.00	each	687.67	687.67
14	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm ²) and bottom concrete CC 1:5:10 (1 cement:5 river-sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	1.00	each	3742.87	3742.87
15	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. 110mm diameter	12.00	metre	385.4	4624.8
16	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	15.00	metre	362.93	5443.95
17	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	12.00	metre	953.94	11447.28

Sl.no	Description of item	Quantity	Unit	Rate	Amount
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	8.00	metre	508.35	4066.8
19	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	1.00	each	635.59	635.59
20	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
21	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I./PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required: :Single squatting plate with 5 litre P.V.C. automatic flushing cistern	1.00	each	9452.56	9452.56
22	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	6.00	kg	505.54	3033.24

Sl.no	Description of item	Quantity	Unit	Rate	Amount
23	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	1.00	sqm	1201.73	1201.73
24	Brick Work with Country Bricks (compressive strength not less than 35 Kg/cm ²) in foundation and plinth in Cement Mortar 1 : 6 (1 Cement : 6 coarse sand).	0.10	cum	5288.99	528.9
25	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	3.00	sqm	340.41	1021.23
26	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitered cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	9.00	metre	710.75	6396.75

Sl.no	Description of item	Quantity	Unit	Rate	Amount
27	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/ bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strenghtened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	3.00	sqm	3833.74	11501.22
28	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	27.00	sqm	20.17	544.59
29	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	22.00	sqm	75.52	1661.44
30	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	28.00	sqm	64.03	1792.84

Sl.no	Description of item	Quantity	Unit	Rate	Amount
31	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	1.00	each	374.88	374.88
32	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	2.00	each	117.74	235.48
33	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	3.00	each	86.8	260.4
34	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	2.00	each	38.4	76.8
35	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	2.00	each	1591.37	3182.74
36	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.	1.00	each	236.86	236.86
37	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 :125mm	4.00	each	67.65	270.6
38	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	1.00	trip	469.49	469.49
39	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	2.00	perday/per person	574.13	1148.26
40	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	1.00	each	109.47	109.47

Sl.no	Description of item	Quantity	Unit	Rate	Amount
41	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 : 150x10 mm	4.00	each	84.3	337.2
42	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 75X47X1.80 mm	6.00	each	81.75	490.5
43	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	1.00	each	1048.4	1048.4
44	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. 75mm diameter	10.00	metre	254.07	2540.7
45	Half Brick masonry with Country Bricks in foundation and plinth in Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand).	1.00	sqm	663.32	663.32
46	Constructing soak pit 1.20x1.20x1.20 m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	2951.33	2951.33
47	Providing and fixing Hand shower (Health Faucet) with 8mm dia, 1 meter long flexible tube and wall hook of Jaquar : Catalogue No.ALD- 573 or equivalent approved complete as directed.	1.00	No	1601.63	1601.63

SH 03 Total Rs.158220.27

SH 04: Renovation of Infocom section toilet at ONGC office complex, Neravy, Karaikal.

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	13.00	sqm	74.96	974.48
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	45.00	sqm	55.81	2511.45
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size from natural sources)	1.00	cum	6956.32	6956.32
4	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	45.00	sqm	407.91	18355.95

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Sl.no	Description of item	Quantity	Unit	Rate	Amount
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	3.00	each	146.54	439.62
6	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	3.00	each	114.42	343.26
7	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	13.00	sqm	1586.36	20622.68
8	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. Tile of size 600x600mm	45.00	sqm	1657.44	74584.8
9	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59
10	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52
11	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.15 mm nominal bore	2.00	each	838.09	1676.18
12	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	4.00	each	586.47	2345.88

Sl.no	Description of item	Quantity	Unit	Rate	Amount
13	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	2.00	each	687.67	1375.34
14	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm ²) and bottom concrete CC 1:5:10 (1 cement:5 river-sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	2.00	each	3742.87	7485.74
15	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. 110mm diameter	12.00	metre	385.4	4624.8
16	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	15.00	metre	362.93	5443.95
17	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	3.00	metre	953.94	2861.82
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	12.00	metre	508.35	6100.2

Sl.no	Description of item	Quantity	Unit	Rate	Amount
19	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	1.00	each	635.59	635.59
20	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
21	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I./PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required: :Single squatting plate with 5 litre P.V.C. automatic flushing cistern	2.00	each	9452.56	18905.12
22	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	8.00	kg	505.54	4044.32
23	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	1.00	sqm	1201.73	1201.73
24	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	1.00	cum	2103.85	2103.85



Sl.no	Description of item	Quantity	Unit	Rate	Amount
25	Brick Work with Country Bricks (compressive strength not less than 35 Kg/cm ²) in foundation and plinth in Cement Mortar 1 : 6 (1 Cement : 6 coarse sand).	1.00	cum	5288.99	5288.99
26	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	58.00	sqm	340.41	19743.78
27	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitered cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	14.00	metre	710.75	9950.5
28	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/ bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strenghtened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as	5.00	sqm	3833.74	19168.7

Sl.no	Description of item	Quantity	Unit	Rate	Amount
	per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.				
29	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	28.00	sqm	20.17	564.76
30	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	28.00	sqm	75.52	2114.56
31	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	28.00	sqm	64.03	1792.84
32	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	1.00	each	374.88	374.88
33	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	2.00	each	117.74	235.48
34	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	4.00	each	86.8	347.2
35	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	2.00	each	38.4	76.8
36	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	2.00	each	1591.37	3182.74
37	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 :125mm	4.00	each	67.65	270.6

Sl.no	Description of item	Quantity	Unit	Rate	Amount
38	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	1.00	trip	469.49	469.49
39	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	2.00	perday/p er person	574.13	1148.26
40	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	2.00	each	109.47	218.94
41	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 : 150x10 mm	4.00	each	84.3	337.2
42	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 75X47X1.80 mm	6.00	each	81.75	490.5
43	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	1.00	each	1048.4	1048.4
44	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. 75mm diameter	12.00	metre	254.07	3048.84
45	Half Brick masonry with Country Bricks in foundation and plinth in Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand).	1.00	sqm	663.32	663.32
46	Constructing soak pit 1.20x1.20x1.20 m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	2951.33	2951.33
47	Providing and fixing Hand shower (Health Faucet) with 8mm dia, 1 meter long flexible tube and wall hook of Jaquar : Catalogue No.ALD- 573 or equivalent approved complete as directed.	1.00	No	1601.63	1601.63

SH 04 Total Rs.269000.58

SREENADH. C / श्रीनाथ सी
EE (Civil) / कार्य अभियंता (सिविल)

SH 05: Renovation of drilling section Gents toilet ONGC office complex, Neravy, Karaikal.

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	16.00	sqm	74.96	1199.36
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	12.00	sqm	55.81	669.72
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	0.50	cum	2103.85	1051.93
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size from natural sources)	2.00	cum	8045.42	16090.84
5	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	50.00	sqm	407.91	20395.5
6	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	2.00	each	146.54	293.08
7	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	5.00	each	114.42	572.1
8	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	16.00	sqm	1586.36	25381.76
9	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. Tile of size 600x600mm	50.00	sqm	1657.44	82872



Sl.no	Description of item	Quantity	Unit	Rate	Amount
10	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material including malba, all complete as per the direction of Engineer-in charge.Orissa pattern W.C Pan of size 580x440 mm	1.00	each	4573.64	4573.64
11	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59
12	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52
13	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.15 mm nominal bore	2.00	each	815.88	1631.76
14	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	5.00	each	586.47	2932.35
15	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	2.00	each	687.67	1375.34
16	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm ²) and bottom concrete CC 1:5:10 (1 cement:5 river- sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	2.00	each	3742.87	7485.74

Sl.no	Description of item	Quantity	Unit	Rate	Amount
17	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. 110mm diameter	15.00	metre	385.4	5781
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	24.00	metre	362.93	8710.32
19	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	18.00	metre	953.94	17170.92
20	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	10.00	metre	508.35	5083.5
21	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	2.00	each	635.59	1271.18
22	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
23	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I./PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required: :Single squatting plate with 5 litre P.V.C. automatic flushing cistern	3.00	each	9452.56	28357.68

Sl.no	Description of item	Quantity	Unit	Rate	Amount
24	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	12.00	kg	505.54	6066.48
25	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	1.00	sqm	1201.73	1201.73
26	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, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil.	1.00	cum	265.81	265.81
27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	1.00	cum	2168.74	2168.74
28	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 20 mm nominal size from natural sources)	1.00	cum	6956.32	6956.32
29	Brick Work with Country Bricks (compressive strength not less than 35 Kg/cm ²) in foundation and plinth in Cement Mortar 1 : 6 (1 Cement : 6 coarse sand).	0.50	cum	5288.99	2644.5
30	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	2.00	sqm	340.41	680.82

Sl.no	Description of item	Quantity	Unit	Rate	Amount
31	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitered cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	20.00	metre	710.75	14215
32	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strengthened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	7.00	sqm	3833.74	26836.18

Sl.no	Description of item	Quantity	Unit	Rate	Amount
33	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). Dark shade pigment using ordinary cement	5.00	sqm	1143.22	5716.1
34	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	43.00	sqm	20.17	867.31
35	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	27.00	sqm	75.52	2039.04
36	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	43.00	sqm	64.03	2753.29
37	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	4.00	each	374.88	1499.52
38	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	4.00	each	117.74	470.96
39	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	4.00	each	86.8	347.2
40	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	3.00	each	38.4	115.2
41	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	3.00	each	1591.37	4774.11
42	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	236.86	473.72

Sl.no	Description of item	Quantity	Unit	Rate	Amount
43	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 :125mm	8.00	each	67.65	541.2
44	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	1.00	trip	469.49	469.49
45	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	2.00	perday/per person	574.13	1148.26
46	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	3.00	each	109.47	328.41
47	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 : 200x10 mm	4.00	each	101.81	407.24
48	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 100X58X1.90 mm	12.00	each	109.37	1312.44
49	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	1.00	each	1048.4	1048.4
50	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. 75mm diameter	12.00	metre	254.07	3048.84
51	Constructing soak pit 1.20x1.20x1.20 m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	2951.33	2951.33
52	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	500.00	per litre	11.23	5615

SH 05 Total Rs.340180.12


SREENADH. C / श्रीनाथ सी
 EE (Civil) / कार्य. अभियंता (सिविल)

SH 06: A) Renovation of forward base gents toilet ONGC office complex, Neravy, Karaikal.

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	8.00	sqm	74.96	599.68
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	37.00	sqm	55.81	2064.97
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size from natural sources)	0.50	cum	8045.42	4022.71
4	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	37.00	sqm	407.91	15092.67
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	2.00	each	146.54	293.08
6	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	4.00	each	114.42	457.68
7	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	8.00	sqm	1586.36	12690.88
8	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.Tile of size 600x600mm	37.00	sqm	1657.44	61325.28
9	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59

Sl.no	Description of item	Quantity	Unit	Rate	Amount
10	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52
11	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.15 mm nominal bore	1.00	each	838.09	838.09
12	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	4.00	each	586.47	2345.88
13	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	1.00	each	687.67	687.67
14	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm ²) and bottom concrete CC 1:5:10 (1 cement:5 river- sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	1.00	each	3742.87	3742.87
15	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. 110mm diameter	12.00	metre	385.4	4624.8
16	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	24.00	metre	362.93	8710.32

Sl.no	Description of item	Quantity	Unit	Rate	Amount
17	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	10.00	metre	953.94	9539.4
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	10.00	metre	508.35	5083.5
19	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	2.00	each	635.59	1271.18
20	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
21	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I./PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required: :Single squatting plate with 5 litre P.V.C. automatic flushing cistern	2.00	each	9452.56	18905.12

Sl.no	Description of item	Quantity	Unit	Rate	Amount
22	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	8.00	kg	505.54	4044.32
23	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	1.00	sqm	1201.73	1201.73
24	Brick Work with Country Bricks (compressive strength not less than 35 Kg/cm ²) in foundation and plinth in Cement Mortar 1 : 6 (1 Cement : 6 coarse sand).	0.50	cum	5288.99	2644.5
25	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	2.00	sqm	340.41	680.82
26	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitred cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	9.00	metre	710.75	6396.75

Sl.no	Description of item	Quantity	Unit	Rate	Amount
27	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/ bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strenghtened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	3.00	sqm	3833.74	11501.22
28	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	35.00	sqm	20.17	705.95
29	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	28.00	sqm	75.52	2114.56
30	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	35.00	sqm	64.03	2241.05

Sl.no	Description of item	Quantity	Unit	Rate	Amount
31	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	1.00	each	374.88	374.88
32	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	2.00	each	117.74	235.48
33	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	4.00	each	86.8	347.2
34	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	2.00	each	38.4	76.8
35	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	2.00	each	1591.37	3182.74
36	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.	1.00	each	236.86	236.86
37	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 :125mm	4.00	each	67.65	270.6
38	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	1.00	trip	469.49	469.49
39	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	2.00	perday /per person	574.13	1148.26
40	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	2.00	each	109.47	218.94

Sl.no	Description of item	Quantity	Unit	Rate	Amount
41	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 : 150x10 mm	4.00	each	84.3	337.2
42	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 75X47X1.80 mm	6.00	each	81.75	490.5
43	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore	1.00	each	1048.4	1048.4
44	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. 75mm diameter	12.00	metre	254.07	3048.84
45	Half Brick masonry with Country Bricks in foundation and plinth in Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand).	1.00	sqm	663.32	663.32
46	Constructing soak pit 1.20x1.20x1.20 m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	2951.33	2951.33
47	Providing and fixing Hand shower (Health Faucet) with 8mm dia, 1 meter long flexible tube and wall hook of Jaquar : Catalogue No.ALD- 573 or equivalent approved complete as directed.	1.00	No	1601.63	1601.63

SH 06 (A) Total Rs.210846.91

SH 06 (B): Renovation of forward base ladies toilet ONGC office complex, Neravy, Karaikal

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	8.00	sqm	74.96	599.68
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	46.00	sqm	55.81	2567.26
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	0.10	cum	2103.85	210.39
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size from natural sources)	0.50	cum	8045.42	4022.71

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SREENADH. C / श्रीनाथ सी
EE (Civil) / कार्य अभियंता (सिविल)

Sl.no	Description of item	Quantity	Unit	Rate	Amount
5	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	46.00	sqm	407.91	18763.86
6	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	3.00	each	146.54	439.62
7	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	3.00	each	114.42	343.26
8	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	8.00	sqm	1586.36	12690.88
9	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. Tile of size 600x600mm	46.00	sqm	1657.44	76242.24
10	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material including malba, all complete as per the direction of Engineer-in charge.Orissa pattern W.C Pan of size 580x440 mm	1.00	each	4573.64	4573.64
11	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59

Sl.no	Description of item	Quantity	Unit	Rate	Amount
12	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52
13	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.15 mm nominal bore	2.00	each	838.09	1676.18
14	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	4.00	each	586.47	2345.88
15	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	1.00	each	687.67	687.67
16	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm ²) and bottom concrete CC 1:5:10 (1 cement:5 river- sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	1.00	each	3742.87	3742.87
17	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. 110mm diameter	12.00	metre	385.4	4624.8
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	12.00	metre	362.93	4355.16

Sl.no	Description of item	Quantity	Unit	Rate	Amount
19	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	6.00	metre	953.94	5723.64
20	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	10.00	metre	508.35	5083.5
21	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	2.00	each	635.59	1271.18
22	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
23	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	10.00	kg	505.54	5055.4

Sl.no	Description of item	Quantity	Unit	Rate	Amount
24	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	1.00	sqm	1201.73	1201.73
25	Brick Work with Country Bricks (compressive strength not less than 35 Kg/cm ²) in foundation and plinth in Cement Mortar 1 : 6 (1 Cement : 6 coarse sand).	0.10	cum	5288.99	528.9
26	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitered cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	13.00	metre	710.75	9239.75

Sl.no	Description of item	Quantity	Unit	Rate	Amount
31	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	1.00	each	374.88	374.88
32	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	1.00	each	117.74	117.74
33	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	1.00	each	86.8	86.8
34	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	3.00	each	38.4	115.2
35	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	2.00	each	1591.37	3182.74
36	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.	1.00	each	236.86	236.86
37	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 :125mm	6.00	each	67.65	405.9
38	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	1.00	trip	469.49	469.49
39	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	2.00	perday /per person	574.13	1148.26
40	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyedto required colour or shade, with necessary screws etc. complete : 150x10 mm	6.00	each	84.3	505.8



Sl.no	Description of item	Quantity	Unit	Rate	Amount
27	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/ bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strenghtened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	5.00	sqm	3833.74	19168.7
28	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	31.00	sqm	20.17	625.27
29	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	25.00	sqm	75.52	1888
30	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	31.00	sqm	64.03	1984.93

Sl.no	Description of item	Quantity	Unit	Rate	Amount
41	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 75X47X1.80 mm	9.00	each	81.75	735.75
42	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	1.00	each	1048.4	1048.4
43	Half Brick masonry with Country Bricks in foundation and plinth in Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand).	1.00	sqm	663.32	663.32
44	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	2.00	sqm	340.41	680.82
45	Constructing soak pit 1.20x1.20x1.20 m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	2951.33	2951.33
46	Providing and fixing Hand shower (Health Faucet) with 8mm dia, 1 meter long flexible tube and wall hook of Jaquar : Catalogue No.ALD- 573 or equivalent approved complete as directed.	1.00	No	1601.63	1601.63

SH 06 (B) Total Rs.214299.78

SH 07 (A): Renovation of finance gent's toilet ONGC office complex, Neravy, Karaikal.

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	11.00	sqm	74.96	824.56
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	53.00	sqm	55.81	2957.93
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size from natural sources)	1.00	cum	8045.42	8045.42
4	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	48.00	sqm	407.91	19579.68
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	3.00	each	146.54	439.62
6	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	2.00	each	114.42	228.84


SREENADH. C / श्रीनाथ सी
EE (Civil) / कार्य अभियंता (सिविल)

Sl.no	Description of item	Quantity	Unit	Rate	Amount
7	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	11.00	sqm	1586.36	17449.96
8	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. Tile of size 600x600mm	48.00	sqm	1657.44	79557.12
9	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material including malba, all complete as per the direction of Engineer-in charge. Orissa pattern W.C Pan of size 580x440 mm	1.00	each	4573.64	4573.64
10	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59
11	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52
12	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	2.00	each	838.09	1676.18
13	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	5.00	each	586.47	2932.35

Sl.no	Description of item	Quantity	Unit	Rate	Amount
14	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	2.00	each	687.67	1375.34
15	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm ²) and bottom concrete CC 1:5:10 (1 cement:5 river- sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	2.00	each	3742.87	7485.74
16	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. 110mm diameter	15.00	metre	385.4	5781
17	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	18.00	metre	362.93	6532.74
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	18.00	metre	953.94	17170.92

Sl.no	Description of item	Quantity	Unit	Rate	Amount
19	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	10.00	metre	508.35	5083.5
20	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	2.00	each	635.59	1271.18
21	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
22	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I./PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required: :Single squatting plate with 5 litre P.V.C. automatic flushing cistern	3.00	each	9452.56	28357.68
23	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	8.00	kg	505.54	4044.32

Sl.no	Description of item	Quantity	Unit	Rate	Amount
24	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	1.00	sqm	1201.73	1201.73
25	Brick Work with Country Bricks (compressive strength not less than 35 Kg/cm ²) in foundation and plinth in Cement Mortar 1 : 6 (1 Cement : 6 coarse sand).	0.10	cum	5288.99	528.9
26	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	7.00	sqm	340.41	2382.87
27	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitered cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	14.00	metre	710.75	9950.5

Sl.no	Description of item	Quantity	Unit	Rate	Amount
28	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/ bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strengthened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	4.00	sqm	3833.74	15334.96
29	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	44.00	sqm	20.17	887.48
30	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	33.00	sqm	75.52	2492.16
31	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	44.00	sqm	64.03	2817.32

Sl.no	Description of item	Quantity	Unit	Rate	Amount
32	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	4.00	each	374.88	1499.52
33	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	3.00	each	117.74	353.22
34	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	4.00	each	86.8	347.2
35	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	3.00	each	38.4	115.2
36	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	3.00	each	1591.37	4774.11
37	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	236.86	473.72
38	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 :125mm	6.00	each	67.65	405.9
39	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	1.00	trip	469.49	469.49
40	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	2.00	perday/per person	574.13	1148.26
41	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	3.00	each	109.47	328.41

Sl.no	Description of item	Quantity	Unit	Rate	Amount
42	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 : 150x10 mm	6.00	each	84.3	505.8
43	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 75X47X1.80 mm	9.00	each	81.75	735.75
44	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	1.00	each	1048.4	1048.4
45	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. 75mm diameter	12.00	metre	254.07	3048.84
46	Half Brick masonry with Country Bricks in foundation and plinth in Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand).	1.00	sqm	663.32	663.32
47	Constructing soak pit 1.20x1.20x1.20 m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	2951.33	2951.33
48	Providing and fixing Hand shower (Health Faucet) with 8mm dia, 1 meter long flexible tube and wall hook of Jaquar : Catalogue No.ALD- 573 or equivalent approved complete as directed.	1.00	No	1601.63	1601.63

SH 07 (A) Total Rs.281751.50

SH 07 (B): Renovation of finance Ladies toilet ONGC office complex, Neravy, Karaikal

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	6.00	sqm	74.96	449.76
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	39.00	sqm	55.81	2176.59
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size from natural sources)	0.50	cum	8045.42	4022.71
4	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	39.00	sqm	407.91	15908.49


SREENADH. C / श्रीनाथ सी
EE (Civil) / कार्य. अभियंता (सिविल)

Sl.no	Description of item	Quantity	Unit	Rate	Amount
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	3.00	each	146.54	439.62
6	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	2.00	each	114.42	228.84
7	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	6.00	sqm	1586.36	9518.16
8	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.Tile of size 600x600mm	39.00	sqm	1657.44	64640.16
9	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material including malba, all complete as per the direction of Engineer-in charge.Orissa pattern W.C Pan of size 580x440 mm	1.00	each	4573.64	4573.64
10	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59
11	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52

Sl.no	Description of item	Quantity	Unit	Rate	Amount
12	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.15 mm nominal bore	2.00	each	838.09	1676.18
13	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	2.00	each	586.47	1172.94
14	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	2.00	each	687.67	1375.34
15	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm2) and bottom concrete CC 1:5:10 (1 cement:5 river- sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	2.00	each	3742.87	7485.74
16	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. 110mm diameter	15.00	metre	385.4	5781
17	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	24.00	metre	362.93	8710.32
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	18.00	metre	953.94	17170.92

Sl.no	Description of item	Quantity	Unit	Rate	Amount
19	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	10.00	metre	508.35	5083.5
20	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	2.00	each	635.59	1271.18
21	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
22	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	4.00	kg	505.54	2022.16
23	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	1.00	sqm	1201.73	1201.73

Sl.no	Description of item	Quantity	Unit	Rate	Amount
24	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitered cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	8.00	metre	710.75	5686
25	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strengthened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	5.00	sqm	3833.74	19168.7

Sl.no	Description of item	Quantity	Unit	Rate	Amount
26	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	31.00	sqm	20.17	625.27
27	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	24.00	sqm	75.52	1812.48
28	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	30.00	sqm	64.03	1920.9
29	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	1.00	each	374.88	374.88
30	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	2.00	each	86.8	173.6
31	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	3.00	each	38.4	115.2
32	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	3.00	each	1591.37	4774.11
33	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 :125mm	6.00	sqm	67.65	405.9
34	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	1.00	trip	469.49	469.49
35	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	2.00	manday perday/per person	574.13	1148.26

Sl.no	Description of item	Quantity	Unit	Rate	Amount
36	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 : 150x10 mm	6.00	each	84.3	505.8
37	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 75X47X1.80 mm	9.00	each	81.75	735.75
38	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 50 mm nominal bore	1.00	each	1048.4	1048.4
39	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. 75mm diameter	6.00	metre	254.07	1524.42
40	Half Brick masonry with Country Bricks in foundation and plinth in Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand).	1.00	sqm	663.32	663.32
41	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	2.00	sqm	340.41	680.82
42	Constructing soak pit 1.20x1.20x1.20 m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	2951.33	2951.33
43	Providing and fixing Hand shower (Health Faucet) with 8mm dia, 1 meter long flexible tube and wall hook of Jaquar : Catalogue No.ALD- 573 or equivalent approved complete as directed.	1.00	No	1601.63	1601.63

SH 07 (B) Total Rs.211613.00

SH 08: Renovation of Cementing section toilet ONGC office complex, Neravy, Karaikal.

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	13.00	sqm	74.96	974.48
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	56.00	sqm	55.81	3125.36
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size from natural sources)	13.00	cum	8045.42	104590.46


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 EE (Civil) / कार्य. अभियंता (सिविल)

Sl.no	Description of item	Quantity	Unit	Rate	Amount
4	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	56.00	sqm	407.91	22842.96
5	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	4.00	each	146.54	586.16
6	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	5.00	each	114.42	572.1
7	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	13.00	sqm	1586.36	20622.68
8	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.Tile of size 600x600mm	56.00	sqm	1657.44	92816.64
9	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material including malba, all complete as per the direction of Engineer-in charge.Orissa pattern W.C Pan of size 580x440 mm	1.00	each	4573.64	4573.64
10	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59

Sl.no	Description of item	Quantity	Unit	Rate	Amount
11	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52
12	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.15 mm nominal bore	2.00	each	838.09	1676.18
13	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	5.00	each	586.47	2932.35
14	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	2.00	each	687.67	1375.34
15	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm ²) and bottom concrete CC 1:5:10 (1 cement:5 river- sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	2.00	each	3742.87	7485.74
16	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. 110mm diameter	15.00	metre	385.4	5781
17	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	18.00	metre	362.93	6532.74



Sl.no	Description of item	Quantity	Unit	Rate	Amount
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	18.00	metre	953.94	17170.92
19	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	10.00	metre	508.35	5083.5
20	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	2.00	each	635.59	1271.18
21	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
22	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I./PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required: :Single squatting plate with 5 litre P.V.C. automatic flushing cistern	2.00	each	9452.56	18905.12

Sl.no	Description of item	Quantity	Unit	Rate	Amount
23	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	8.00	kg	505.54	4044.32
24	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	0.50	sqm	1201.73	600.87
25	Brick Work with Country Bricks (compressive strength not less than 35 Kg/cm ²) in foundation and plinth in Cement Mortar 1 : 6 (1 Cement : 6 coarse sand).	0.10	cum	5288.99	528.9
26	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	0.50	sqm	340.41	170.21
27	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitred cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	19.00	metre	710.75	13504.25

Sl.no	Description of item	Quantity	Unit	Rate	Amount
28	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/ bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strenghtened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	7.00	sqm	3833.74	26836.18
29	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	12.00	sqm	20.17	242.04
30	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	12.00	sqm	64.03	768.36
31	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	3.00	each	374.88	1124.64

Sl.no	Description of item	Quantity	Unit	Rate	Amount
32	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	2.00	each	117.74	235.48
33	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	4.00	each	86.8	347.2
34	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	3.00	each	38.4	115.2
35	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	3.00	each	1591.37	4774.11
36	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	236.86	473.72
37	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 :125mm	8.00	each	67.65	541.2
38	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	1.00	trip	469.49	469.49
39	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	2.00	perday/per person	574.13	1148.26
40	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	2.00	each	109.47	218.94
41	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyedto required colour or shade, with necessary screws etc. complete : 150x10 mm	4.00	each	84.3	337.2
42	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 75X47X1.80 mm	12.00	each	81.75	981

Sl.no	Description of item	Quantity	Unit	Rate	Amount
43	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	1.00	each	1048.4	1048.4
44	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. 75mm diameter	12.00	metre	254.07	3048.84
45	Half Brick masonry with Country Bricks in foundation and plinth in Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand).	1.00	sqm	663.32	663.32
46	Constructing soak pit 1.20x1.20x1.20 m filled with brick bats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	1.00	each	2951.33	2951.33
47	Providing and fixing Hand shower (Health Faucet) with 8mm dia, 1 meter long flexible tube and wall hook of Jaquar : Catalogue No.ALD- 573 or equivalent approved complete as directed.	1.00	No	1601.63	1601.63
				SH 08 Total	Rs.396011.40

SH-09: Repair & Renovation of toilet in CBHP - KKL-XI (Nadukalam pet), Neravy, Karaikal

Sl.no	Description of item	Quantity	Unit	Rate	Amount
1	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	17.00	sqm	74.96	1274.32
2	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	49.00	sqm	55.81	2734.69
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	4.00	cum	2103.85	8415.4
4	Brick Work with Country Bricks (compressive strength not less than 35 Kg/cm ²) in foundation and plinth in Cement Mortar 1 : 6 (1 Cement : 6 coarse sand).	2.00	cum	5288.99	10577.98
5	Half Brick masonry with Country Bricks in foundation and plinth in Cement Mortar 1 : 4 (1 Cement : 4 Coarse sand).	6.00	sqm	663.32	3979.92
6	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	45.00	sqm	340.41	15318.45


SREENADH. C / श्रीनाथ सी
EE (Civil) / कार्य अभियंता (सिविल)

Sl.no	Description of item	Quantity	Unit	Rate	Amount
7	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size from natural sources)	1.00	cum	8045.42	8045.42
8	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	42.00	sqm	407.91	17132.22
9	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	1.00	each	146.54	146.54
10	Dismantling of flushing cistern of all types C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	3.00	each	114.42	343.26
11	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/sqm including grouting the joints with white cement and matching pigments etc., complete. size of tile 600x600 mm	17.00	sqm	1586.36	26968.12
12	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	44.00	sqm	1294.81	56971.64
13	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material including malba, all complete as per the direction of Engineer-in charge.Orissa pattern W.C Pan of size 580x440 mm	1.00	each	4573.64	4573.64

Sl.no	Description of item	Quantity	Unit	Rate	Amount
14	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :W.C. pan with ISI marked white solid plastic seat and lid	1.00	each	6653.59	6653.59
15	Providing and *fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	1.00	each	2273.52	2273.52
16	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.15 mm nominal bore	2.00	each	838.09	1676.18
17	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931. 15mm nominal bore	5.00	each	586.47	2932.35
18	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. : 450 mm long towel rail with total length of 495 mm, 78mm wide and effective height of 88 mm, weighing not less than 170 gms.	2.00	each	687.67	1375.34
19	Providing Inspection chamber of 45x45x45 cm inner size with 23cms brick work in C.M. 1:6 (1 cement:6 river sand) with country bricks (compressive strength not less than 35 Kg/cm ²) and bottom concrete CC 1:5:10 (1 cement:5 river- sand:10 graded stone aggregate of 40mm nominal size)of 15cms thick and plastering in C.M. 1:6 (1 cement:6 river sand) all inner and outer sides of brick work and bottom of chamber including the cost of finishing the inner surface with neat cement punning and 50mm thick RCC cover slab etc. complete all as directed by EIC	2.00	each	3742.87	7485.74
20	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. 110mm diameter	24.00	metre	385.4	9249.6

Sl.no	Description of item	Quantity	Unit	Rate	Amount
21	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. External work 25mm nominal dia pipes	30.00	metre	362.93	10887.9
22	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 50 mm nominal dia Pipes	18.00	metre	953.94	17170.92
23	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	18.00	metre	508.35	9150.3
24	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	2.00	each	635.59	1271.18
25	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	1.00	each	1390.65	1390.65
26	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I./PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required: :Single squatting plate with 5 litre P.V.C. automatic flushing cistern	3.00	each	9452.56	28357.68

Sl.no	Description of item	Quantity	Unit	Rate	Amount
27	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/panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately):For fixed portion Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	8.00	kg	505.54	4044.32
28	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	0.50	sqm	1201.73	600.87
29	Providing and fixing factory made door frame (single rebate) made out of solid foam PVC extruded profile of minimum 60mm width and minimum 30 mm thickness, having homogenous fine cellular structure and integral smooth outer skin. The frame's vertical and horizontal members to be mitered cut and joined together with PVC solvent adhesive / cement and both corners strengthened with fully threaded steel screws (of required size) fixed diagonally. The door frame is to be fixed to door jambs using 6 Nos. SS 304 grade minimum 8 mm dia CSK Phillips stainless steel self tapping screws/fasteners with PA6 grade polyamide sleeves both of required size, and gap if any between the door frame and the jamb must be filled with clear silicon, complete as per direction of the Engineer-in-Charge.	19.00	metre	710.75	13504.25

Sl.no	Description of item	Quantity	Unit	Rate	Amount
30	Providing and fixing factory made PVC door shutter made of solid foam PVC profiles of thickness 5mm and 15mm at edges integrally extruded for vertical style and horizontal (top/bottom/ lock) rails of minimum cross section of 70mmx 28mm, of shape and design as per manufacturer's specifications having homogenous fine cellular structure and smooth integral outer skin, inserted with G.I. 'C' section/ rectangular tube profile of minimum 0.30mm thickness with 120 gsm coating as stiffeners as per manufacturer's specifications Mitred cut joints for styles and rails provided with telescopic polymeric 'L' corners are jointed together using solvent adhesive and strengthened with fully threaded stainless steel screws (of required size) through reinforced stiffener with paneling of specified solid foam PVC board/ high pressure laminate of required thickness and of approved design and shade (matching the styles and rails), secured within styles and rails with specially designed solid foam PVC moulded beadings of required size using PVC solvent adhesive/ cement. The finished door shutter including SS hardware, 1 no. ss sliding bolt 200 x 10mm, 1 no. SS tower bolt 200 x 10mm and 2 nos. SS handles 125mm, shall be fixed to frame with 3 nos. stainless steel hinges of minimum size 100x58x1.9mm and stainless steel screws of required size complete as per direction of the Engineer-in-Charge. (Cost of above hardware is inclusive in rates) 5mm thick solid foam PVC panel of required size with moulded/ extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of shutter) matching the colour and shade of shutter frame. Non decorative type.	7.00	sqm	3833.74	26836.18
31	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	94.00	sqm	20.17	1895.98
32	Distempering with 1st quality acrylic distemper (ready mixed) having VOC (Volatile Organic Compound) content less than 50 gram/ litre, of approved brand and manufacturer including applying additional coats wherever required to achieve even shade and colour Old work (one or more coats)	94.00	sqm	64.03	6018.82
33	Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	4.00	each	374.88	1499.52

Sl.no	Description of item	Quantity	Unit	Rate	Amount
34	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour. Waste coupling 31 mm dia of 79 mm length and 62 mm breadth weighing not less than 45 gms	1.00	each	117.74	117.74
35	Providing and fixing uplasticised PVC connection pipe with brass unions :30 cm length:15 mm nominal bore	4.00	each	86.8	347.2
36	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	3.00	each	38.4	115.2
37	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 : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS- 1729	3.00	each	1591.37	4774.11
38	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.	1.00	each	236.86	236.86
39	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 :125mm	8.00	each	67.65	541.2
40	Transportation of rubbish, debris, earth and other waste materials from Neravy complex to a designated site of Karaikal Municipality by Mechanical transport (Tractor) within a distance of 5km. The rate includes collection of material from source to road side by head load and loading in tractor, transportation and unloading the materials as directed by Engineer in Charge.	3.00	trip	469.49	1408.47
41	Services of unskilled labour as and when necessary for attending miscellaneous jobs like cleaning of slope roofing & jungle, pruning of tree branches , etc., including assisting skilled labour complete as directed by EIC.	5.00	perday/per person	574.13	2870.65
42	Providing and fixing PTMT 15 mm Urinal spreader size 95x69x100 mm with 1/2" BSP thread and shapes, weighing not less than 60 gms.	3.00	each	109.47	328.41
43	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyedto required colour or shade, with necessary screws etc. complete : 100x10 mm	8.00	each	66.07	528.56

Sl.no	Description of item	Quantity	Unit	Rate	Amount
44	Providing and fixing IS : 12817 marked stainless steel butt hinges with stainless steel screws etc. complete : 100X58X1.90 mm	12.00	each	109.37	1312.44
45	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :50 mm nominal bore	1.00	each	1048.4	1048.4
46	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. 75mm diameter	20.00	metre	254.07	5081.4
47	Dismantling roofing including ridges, hips, valleys and gutters etc.,and stacking the material within 50 metres lead of: Asbestos Cement sheet	63.00	sqm	78.94	4973.22
48	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	65.00	sqm	754.3	49029.5
49	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	15.00	sqm	75.52	1132.8
50	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	15.00	sqm	189.58	2843.7

Sl.no	Description of item	Quantity	Unit	Rate	Amount
51	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :Ridges plain (500 - 600mm)	10.10	metre	543.63	5490.66

SH 09 Total Rs.392937.01

Total Estimated cost - civil (SH: 01 to SH: 09) Rs. 28,06,219.00

Add GST 18.00% Rs. 5,05,119.42

Total Rs. 33,11,338.42

Say Rs. 33,11,339.00

Electrical works:

Sl. No.	Description of Item	Unit	Qty	Rate	Amount
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point (Group-B/4 metre) with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC 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.	Point	86	1,256.83	1,08,087.38
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required i) 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	60	292.66	17,559.60
3	Supplying, installation, testing and commissioning of exhaust fan up to 225 mm sweep with louvers/shutters in existing opening including connection, earthing etc complete as required.	No.	25	2,376.52	59,413.00
4	Supplying, installation, testing and commissioning of Philips or equivalent ISI make ultra slim ceiling mounting 18 watt LED luminaire complete with all accessories including making connection with 1.5 sq.mm. FR PVC insulated copper conductor single core cable and earthing etc as required.	No.	25	1,200.00	30,000.00
5	Supply,erection,testing and commissioning of 18W LED tube light with minimum lumen efficacy of 70lm/watt, with all accessories like low loss high frequency electronic drives and fixing the same in the wall/ceiling with screws, hardwares etc as required.	No.	15	600.00	9,000.00
6	Supply,fixing and testing of decorative LED bathroom mirror light fittings M/L, LX04 or similar type with LED lamp as required.	No.	11	2,459.12	27,050.32

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EE (Civil) / कार्य अभियंता (सिविल)

Sl. No.	Description of Item	Unit	Qty	Rate	Amount
7	Supplying and fixing of 6 way (2+2+6), Double door, horizontal type Single pole and neutral, sheet steel, MCB distribution board, 240 volts, with 1 no. 32A DP MCB & 1 no. 25A, DP, 30 mA RCCB as combined Incomer and 6 nos 5-32A SP MCBs as outgoing on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required	No.	7	6,771.34	47,399.38
8	Supplying, testing and connecting of 1.1 KV, LT UG, armoured aluminium conductor XLPE insulated cable following size. Make of cable ICC / CCI / GLOSTER / NICCO / HAVELLS or equivalent ISI approved make. 4 core 10 sq.mm	Mtr	165	192.00	31,680.00
9	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 4 X 10 sq. mm (25mm)	Each	10	286.42	2,864.20
10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required. Upto 35 sq. mm	Metre	30	229.10	6,873.00
11	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 (clamped with 1mm thick saddle). Upto 35 sq. mm	Metre	110	57.97	6,376.70
12	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. i) Upto 35 Sq. mm	Metre	25	38.98	974.50
13	Earthing with 50mm G.I pipe B Claus 3 mtr long complete fabrication as per the IE rule with charcoal and salt connecting from earth pipe to MCB DB with 8swg G.I wire including brick masonry work construction of earth chamber 2 feet x2 feet x2 feet including plastering etc and on the top of the chamber RCC slab should be covered.	No.	3	4,653.67	13,961.01
14	Supply, Installation, testing and commissioning of 30 Watt LED Light die cast aluminium fittings having with operating voltage 160 to 270 volt, AC 50 HZ, IP-65 rating, efficiency not less than 100 lumen/watt with suitable drives, the fittings should have good thermal management system & LED must be mounted on heat sink conductive aluminium bars with suitable large surface area by means of fins to dissipate the heat to ambient air. Makes of LED Cree/Nichia/Edition/Oshram/Philips	No.	11	3,474.80	38,222.80

Sl. No.	Description of Item	Unit	Qty	Rate	Amount
15	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Mtr	50	134.55	6,727.50
16	Supply and fittings, fixing of hot dip galvanised 1500 mm long single arm bracket along with spigot suitable for street light fixtures as required.	No.	11	1,793.60	19,729.60

Estimated cost - Electrical (incl GST @ 18.00%)	Rs.	4,25,919.00
Estimated cost (Civil + Electrical)	Rs.	37,37,258.00
Total, Say	Rs.	37,37,258.00
Deduct quoted offer @ (-) 5.90% below	Rs.	2,20,498.22
Awarded Value	Rs.	35,16,759.78

(Rupees Thirty Five lakhs Sixteen thousand Seven hundred Fifty Nine and Paise Seventy Eight only)


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 EE (Civil) / कार्य अभियंता (सिविल)