

**Name of Work :- Construction of CLINIC - ANIMAL HUSBANDRY at Sidhpur, Ta. Sidhpur, Dist. Patan**

### **Bill of Quantities**

<b>Item No.</b>	<b>Description of Item (with brief specification)</b>	<b>Quantity</b>	<b>Unit</b>	<b>In Figure Rs. Ps.</b>	<b>Amount</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
1	Demolition of Various Building upto Footing and removal or disposal of all Debris, stacking of serviceable materials & disposal of unserviceable materials with all required lead and lift.	1 Job	Job	15,150.00	15,150.00
2	Removing and scraping of old deteriorated plaster of any thickness from wall / R.C.C member including stacking of serviceable material and disposal of unserviceable from site of work with all lead and lift	702.00 Sq.Mt.	Sq.Mt.	20.83	14,622.66
3	Demolition of Brick work and stone masonry including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift. (ii) In Cement Mortar.	10.00 Cu.M.	Cu.M.	589.69	5,896.90
4	Excavation for foundation upto 1.50 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff with all lead (A) Loose or soft soil	506.00 Cu.M.	Cu.M.	128.79	65,167.74
5	Excavation for foundation 1.50 mt to 3.00 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff with all lead (B) Dense or Hard soil	171.00 Cu.M.	Cu.M.	178.82	30,578.22
6	Excavation for foundation 3.00 mt to 5.00 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff with all lead (c) Hard murrum	19.00 Cu.M.	Cu.M.	316.22	6,008.18
7	Excavation for foundation 5.00 mt to 6.00 mt depth including sorting out and stacking of useful materials and disposing the excavated stuff with all lead (c) Hard murrum	10.00 Cu.M.	Cu.M.	347.19	3,471.90

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
8	Filling in foundation and plinth with sand in layers of 20 cm. Thickness including watering ramming and consolidating etc. complete.	41.00 Cu.M.	Cu.M.	429.24	17,598.84
9	Filling available excavated Earth (Excluding Rock ) in trench plinth side of foundation . in layer not excluding 20 cm in depth consolidation each deposited layer by ramming and watering etc. complete.	448.00 Cu.M.	Cu.M.	137.47	61,586.56
10	Filling foundation and plinth with murrum or selected soil in layer of 20 cm in thickness including ramming watering and consolidating etc. complete.	60.00 Cu.M.	Cu.M.	273.86	16,431.60
11	Carrying out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistent with I.S.I specification. Using Chlordane and Chiorpurfiles 20 EC. As Per 6131_paret-II Concentration Weight one percent is recommended i.e. one litre 20 EC chemical emulsion with 19 liter give 1 % concentration inclusive of one litre chemical emulsion application at the rate of 5 Litre chemical / Sq.Mt of surface is recommended as per I.S.	263.00 Sq.Mt.	Sq.Mt.	124.35	32,704.05
12	Providing and laying controlled cement concrete M-150 and curing complete including the cost of form work and but excluding cost of reinforcement for reinforced concrete work in : (a) Foundations, footings Bases of columns and the like and Mass concrete.	26.00 Cu.M.	Cu.M.	3,775.43	98,161.18
13	Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in foundation footings, Raft, base of columns and mass concrete.	66.00 Cu.M.	Cu.M.	4,461.17	2,94,437.22
14	Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G.FLOOR	12.00 Cu.M.	Cu.M.	7,886.08	94,632.96
15	Providing and laying cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 B. T. Crushed stone aggregates 40 mm. nominal size) and curing complete excluding cost of from work in : (a) Foundation and plinth	84.60 Cu.M.	Cu.M.	2,985.86	2,52,603.76

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
16	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts G.FLOOR	18.60 Cu.M.	Cu.M.	7,830.53	1,45,647.86
17	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts For First floor	7.00 Cu.M.	Cu.M.	7,869.82	55,088.74
18	Providing and laying controlled cement concrete M-250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Plinth BEAMS	24.70 Cu.M.	Cu.M.	6,044.85	1,49,307.80
19	Providing and laying controlled cement concrete M-150 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Plinth Slab.	38.00 Cu.M.	Cu.M.	3,874.36	1,47,225.68
20	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in BEAMS Ground Floor.	25.00 Cu.M.	Cu.M.	6,193.32	1,54,833.00
21	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in BEAMS First Floor	2.00 Cu.M.	Cu.M.	6,232.61	12,465.22
22	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Lintels Ground Floor	5.60 Cu.M.	Cu.M.	7,705.29	43,149.62
23	Providing and laying controlled cement concrete M-200 for reinforced concrete CHHAJJAS not exceeding 10 cm. Thickness up to floor two level including finishing the exposed surfaces with cement mortar 1:3 (1cement :3 fine sand) to give a smooth surface cantering and form work and curing complete excluding cost of reinforcement. Ground Floor	2.50 Cu.M.	Cu.M.	8,416.33	21,040.83

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
24	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in SLABS for Ground Floor	53.90 Cu.M.	Cu.M.	6,252.91	3,37,031.85
25	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in SLABS for First Floor	4.00 Cu.M.	Cu.M.	6,292.20	25,168.80
26	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in STAIRCASE for Ground Floor	4.00 Cu.M.	Cu.M.	7,375.02	29,500.08
27	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Wall caps/Copping Ground Floor	21.00 Cu.M.	Cu.M.	4,405.62	92,518.02
28	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in foundation footings, base of columns and mass concrete.	3.20 Cu.M.	Cu.M.	3,990.51	12,769.63
29	Providing and laying controlled cement concrete M-200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in RCC Paradi	7.70 Cu.M.	Cu.M.	6,150.90	47,361.93
30	Providing T M T. bar reinforcement of Fe-500D for R.C.C. work including bending binding and placing in position complete up to All floor Level.	32395.00 Kg.	Kg.	77.29	25,03,809.55
31	Providing and Laying Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm In foundation and plinth in cement mortar 1:6 (1cement : 6 fine sand) (b) Conventional	85.00 Cu.M.	Cu.M.	3,708.98	3,15,263.30
32	Providing and Laying Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm.. In super structure above plinth level upto floor two level in cement mortar 1:6 (1cement : 6 fine sand) (b) Conventional {Ground Floor}	157.80 Cu.M.	Cu.M.	4,004.12	6,31,850.14

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1	2	3	4	5	6
33	Providing and Laying Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm.. In super structure above plinth level upto floor two level in cement mortar 1:6 (1cement : 6 fine sand) (b) Conventional {First Floor}	33.00 Cu.M.	Cu.M.	4,041.19	1,33,359.27
34	Providing and Laying Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg./Sq.cm.. In cement mortar 1:4 (1cement : 4 coarse sand) in super structure above plinth level GROUND FLOOR	41.00 Sq.Mt.	Sq.Mt.	629.87	25,824.67
35	Providing and Fixing Double Shuttered Door having GRANITE frame with all open edges machine cut & machine polished, fixed SS hinges with factory made 35 mm th Solid Core, flushed door, having Lamination on both sides & 12 mm th Teak wood beading fixed around the door, Stainless steel ASIS 304 grade Tower Blot 30cm long, Aldrop 30 Cm long, handle 60 cm long, with locks etc complete as per detailed drawing	5.00 Sq.Mt.	Sq.Mt.	5,564.09	27,820.45
36	Providing and Fixing Single Shuttered Door having Telephone BLACK GRANITE frame with all open edges machine cut & machine polished, fixed by Zinc Coated hinges with double shutter of factory made & stamped I.S 12823 Grade One, Type One 35 mm th Solid Core, Melamine faced, Three layered resin, flushed door, having Decorative Lamination on both sides & 12 mm th Teak wood beading fixed around the door, from "NOVAPAN" or equivalent company holding licence for minimum 5 years, Stainless steel ASIS 304 grade Stopper 20cm long, Aldrop 20 Cm long, handle 15 cm long, etc complete as per detailed drawing.	21.00 Sq.Mt.	Sq.Mt.	7,524.50	1,58,014.50
37	Providing and fixing FRP frame size 100 X 50 mm and 35 mm thick FRP shutter with depressed panel shutter having reinforcement on sides and edges and in GEL coat finish. The core of shutter is to be filled up with injected fibre extinguishing grade polyurethane foam done in situ along with embedded wooden pieces for stiffening and also for taking hinges and fixtures. The whole FRP frame and shutter is to be water proof, weatherproof, termite proof and resistance to mild acid/ Alkali resistance including S.S. hinges with necessary screws and aluminium fixtures and fastening.	3.20 Sq.Mt.	Sq.Mt.	2,377.76	7,608.83
38	Providing and fixing mild steel door with 40 x 40 x 6 mm angle for frame and for shutter frame 30 x 30 x 3 angle. For windows frame of angle 35 x 35 x 5 & for shutter windows 25 x 25 x 3 mm size angle and 18 gauge sheet for panels & 10 mm dia bars at 10 cm c/c for grill and 40 x 6 mm flats on edge of shutter, & 20 x 6 mm binding patti, including one coat of primer and two coats of oil painting etc. comp. as per detail / as directed by Engineer in Charge.	230.00 Kg.	Kg.	131.30	30,199.00

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
39	Providing and fixing colour anodised Alluminium Section SLIDING window (Three Track) using Jindal E Series { 30 mm} or equivalent section shutter top & bottom- 20993, 0.839 Kg. / Rmt. shutter inter lock-20550, 0.994 Kg. / Rmt. shutter side (handle) - 20553, 0.731 Kg. / Rmt. frame-bottom with Weep Hole 20928, 2.032 Kg / Rmt.. frame top & side - 20837, 1.197 Kg. / Rmt. using Three Shutter 5 mm thick transparent Tinted Float glass, rubber gasket, air lock strip and finishing joints with silicon sealant, with standard extruded colour anodized aluminum coated fittings and fixture & fastening etc complete. {Colour as directed by Engineer in charge except black & Alluminum section shall be Jindal or equivalent brand and glass of Modiguard, AIS or equivalent brand}	31.50 Sq.Mt.	Sq.Mt.	2,774.47	87,395.81
40	Providing and fixing standard extruded of aluminium section of size 63.50 x 38.10 x 1.95 mm (@ Wt 1.094Kg / Rmt with colour anodized aluminium frame with 5 mm thick transparent bronze colour tinted float glass as details etc complete for Fix window.	2.70 Sq.Mt.	Sq.Mt.	1,175.56	3,174.01
41	Providing and fixing Safety grills of required pattern for windows / Door using 12 mm dia M.S polished bars, Angles / pipes for frame as directed & spacing as per Design / Drawing or as directed by engineer in charge and hold fasting with coach bolts including one coat of primer and two coats of matt finished oil painting etc complete.	1340.00 Kg.	Kg.	121.20	1,62,408.00
42	Providing and fixing M.S. grills / Gates of required pattern to brick walls / Columns prepared with M.S. flats, angles, Square / round bars, square pipes, at required spacings with necessary hold fasts as per detailed drawing and fixing brick walls / coping / columns etc. complete including painting two coat & applying primer coat. (A) Ornamental Grill	450.00 Kg.	Kg.	174.73	78,628.50
43	Providing and laying 600 mm x 600 mm Glazed Vitrified Tiles flooring over 20 mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete Anti Skid (10%DARK COLOUR TILES FOR PATTERN)	64.00 Sq.Mt.	Sq.Mt.	1,472.91	94,266.24
44	Providing and laying 600 mm x 600 mm Full Body Vitrified Tiles flooring over 20 mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete (10%DARK COLOUR TILES FOR PATTERN)	118.00 Sq.Mt.	Sq.Mt.	1,546.85	1,82,528.30

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
45	Providing and laying Vitrified granite tiles 8mm to 10 mm thick in skirting risers of steps and dado on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) pointing in white cement and jointed with white cement slurry {Glazed Vitrified Tiles / Full Body Vitrified tiles MATCH TO FLOORING}	18.00 Sq.Mt.	Sq.Mt.	1,195.02	21,510.36
46	Providing and laying Machine Cut, Free Edges, Mirror polished GRANITE stone slab in single piece, 18 mm (Average) thick for steps and riser as per design incl. Half round front edge & 1 cm nosing in trade of steps laid on 20 mm thick cement mortar 1:6 (1 -cement : 6 coarse sand ) on treads & 10 mm thick Cement mortar 1:3 for risers, jointed with grey cement slurry including rubbing and polishing etc. complete.	66.00 Sq.Mt.	Sq.Mt.	2,566.41	1,69,383.06
47	Providing and laying 30 cm x 30 cm Anti Skid Colour Ceramic tiles flooring over 20 mm {average} base of cement mortar 1:6 { 1 cement : 6 coarse sand} and jointed with colour cement slurry including finished with flush pointing & cleaning the surface etc. complete for shade & pattern as directed by Architect Office.	10.00 Sq.Mt.	Sq.Mt.	1,017.30	10,173.00
48	Providing and laying glazed tiles 30 cm x 45 cm size in skirting risers of steps and dado on 10 mm. Thick cement plaster 1:3 (1 cement : 3 coarse sand) pointing in white cement and jointed with white cement slurry. Shade and pattern approved by Architect Office	262.00 Sq.Mt.	Sq.Mt.	1,559.10	4,08,484.20
49	Providing and laying white glazed tiles 6 mm. Thick in flooring treads of steps and landings laid on a Bed of 12 mm. Thick cement mortar 1:3 (1 cement : 3 coarse sand) finished with flush pointing in white cement	9.00 Sq.Mt.	Sq.Mt.	964.48	8,680.32
50	Providing and laying white glazed tiles 6 mm. Thick in skirting risers of steps and dado on 10 mm. Thick cement plaster 1:3 (1 cement : 3 coarse sand) pointing in white cement and jointed with white cement slurry.	24.00 Sq.Mt.	Sq.Mt.	1,127.48	27,059.52
51	Providing and laying Kota stone slab flooring over 20 mm. (average) thick base of cement mortar 1:6 (1 cement : 6 coarse sand ) or L.M. 1:1.5 and laid over and jointed with grey cement slurry including rubbing and polishing complete. (A) 25 mm. Thick	27.00 Sq.Mt.	Sq.Mt.	1,019.39	27,523.53

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
52	Providing and fixing pre-cast Rubber Dye inter locking concrete block 60mm thick with grade of concrete M200 pneumatic compressed by mechanically pressed and as per approved design including 75mm sand layer for levelling and filling the joint with sand in proper line and level etc. completed.	138.00 Sq.Mt.	Sq.Mt.	700.74	96,702.12
53	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length, 30cm height and 15 cm thick of M 250 grade concrete as per approved design and including excavation for fixing in proper line and level, filling the joint with C:M 1:3 (1 Cement : 3 fine sand) etc complete.	100.00 Rmt.	Rmt.	419.96	41,996.00
54	Providing and laying water proofing treatment with china mosaic tiles flooring over avg 40 mm C.C. 1:2:4 {1 Cement : 2 sand : 4 Kapachi / Grit 6 to 12 mm size} bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles ( one for more colour as directed ) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand ) contain one Kg of water proofing materials per bag of O P C at plain or / and slops and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete.	245.00 Sq.Mt.	Sq.Mt.	1,083.73	2,65,513.85
55	Providing and laying Mirror polished Telephone Black Granite slab 18 mm (Average) thick as per design incl. Half Round moulded both edges laid on 10 mm thick cement mortar 1:3 (1 -cement : 6 coarse sand ) jointed with grey cement slurry including rubbing and polishing and G.I. fastenings for top horizontal as directed etc. complete For Doors / Windows sill & Jams Cladding	50.00 Sq.Mt.	Sq.Mt.	3,674.38	1,83,719.00
56	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete.	446.00 Sq.Mt.	Sq.Mt.	290.72	1,29,661.12
57	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete.	170.00 Sq.Mt.	Sq.Mt.	319.25	54,272.50



Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
58	Providing 10 mm thick cement plaster in single coat on Ceiling / soffit of stair for interior plastering finished even and smooth (ii) Cement mortar 1:3 ( 1-cement, 3 - sand ) for Ground Floor.	264.00 Sq.Mt.	Sq.Mt.	169.22	44,674.08
59	Providing 10 mm thick cement plaster in single coat on Ceiling / soft of stair for interior plastering finished even and smooth (ii) Cement mortar 1:3 ( 1-cement, 3 - sand ) for First Floor.	15.00 Sq.Mt.	Sq.Mt.	194.24	2,913.60
60	Providing 20 mm thick Water Proof cement plaster for sunk in single coat on brick / concrete wall for interior plastering up to floor two level finished even and smooth (i) Cement mortar 1:3 ( 1-cement,3- sand ) and mixing waterproofing materials of approved brand and manufacture in cement mortar in proportion recommended by the manufacturer.	40.00 Sq.Mt.	Sq.Mt.	306.03	12,241.20
61	Applying two coats of Birla or Asian acrylic lappy (putty) and two coats of primer & Wall painting ( two coats) with plastic emulsion paint of approved brand and manufacture on wall surfaces to give an even brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	188.00 Sq.Mt.	Sq.Mt.	128.98	24,248.24
62	Applying two coats of Birla or Asian acrylic lappy (putty) and two coats of primer & Wall painting ( two coats) with plastic emulsion paint of approved brand and manufacture on ceiling and sloping roofs. to give an even brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	270.00 Sq.Mt.	Sq.Mt.	134.76	36,385.20
63	Distempering (three coats) with oil bound distemper of approved brand & manufacturer & of required shade on wall surfaces to give an even shade, over & including a primary coat with alkali resistance primer of approved brand after thoroughly brushing the surface free from mortar dropping & other foreign matter & also including preparing the surface even & smooth.	45.00 Sq.Mt.	Sq.Mt.	113.06	5,087.70
64	20 mm. Thick sand faced GUTAKA FINISHED cement plaster on walls upto 10 mt height above ground level consisting of 12 mm. Thick backing coat of C.M. . 1:3 (1 cement : 3 sand) and 8 mm. Thick finishing coat of C.M. . 1:1 (1 cement : 1 sand) including making groove 6 mm wide and 8 mm deep as approved pattern etc. complete as directed.	1944.00 Sq.Mt.	Sq.Mt.	330.72	6,42,919.68
65	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc complete.	2075.00 Sq.Mt.	Sq.Mt.	122.13	2,53,419.75

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
66	Providing and fixing chicken mesh jali with square of 12.50 x 12.50 mm of 25 gauge at junction the Brick. masonry and reinforcement cement concrete member including fixing materials scaffolding labour etc. complete.	70.00 Sq.Mt.	Sq.Mt.	92.92	6,504.40
67	Providing 12 mm wide groove / notch in plaster including finishing the same etc. complete for all height.	290.00 Rmt.	Rmt.	15.15	4,393.50
68	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe ( SCH-40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	60.00 Rmt.	Rmt.	72.65	4,359.00
69	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe ( SCH-40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	50.00 Rmt.	Rmt.	91.84	4,592.00
70	Providing laying and jointing in true line and level 40 mm dia. U.P.V.C. Pipe ( SCH-40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	20.00 Rmt.	Rmt.	148.12	2,962.40
71	Providing laying and jointing in true line and level 50 mm dia. U.P.V.C. Pipe ( SCH-40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	120.00 Rmt.	Rmt.	195.67	23,480.40
72	Providing and fixing to wall, ceiling and floor galvanised mild steel tubes (Medium grade) of the following nominal bore, tube, fittings and clamps included making good the wall, ceiling and floor. (F) 50 mm.	10.00 Rmt.	Rmt.	794.18	7,941.80

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1	2	3	4	5	6
73	Providing and fixing to wall, ceiling and floor galvanised mild steel tubes (Medium grade) of the following nominal bore, tube, fittings and clamps included making good the wall, ceiling and floor. (E) 40 mm.	10.00 Rmt.	Rmt.	608.35	6,083.50
74	Providing and fixing to wall, ceiling and floor galvanised mild steel tubes (Medium grade) of the following nominal bore, tube, fittings and clamps included making good the wall, ceiling and floor. (C) 25 mm.	20.00 Rmt.	Rmt.	401.95	8,039.00
75	Providing and fixing to wall, ceiling and floor galvanised mild steel tubes (Medium grade) of the following nominal bore, tube, fittings and clamps included making good the wall, ceiling and floor. (A) 15 mm.	20.00 Rmt.	Rmt.	252.49	5,049.80
76	Providing and fixing Heavy Handle valve of approved brand & following internal dia of Brass including fixing in pipe lines etc. complete. (C) 25 mm Dia	6 Nos.	No.	734.27	4,405.62
77	Providing and fixing Heavy Handle valve of approved brand & following internal dia of Brass including fixing in pipe lines etc. complete. (E) 40 mm Dia	2 Nos.	No.	1,027.17	2,054.34
78	Providing and fixing Butterfly valve of approved brand & following internal dia of Brass including fixing in pipe lines etc. complete. (A) 50 mm Dia	3 Nos.	No.	2,408.85	7,226.55
79	Providing and fixing to wall ceiling floor 10 Kg. F/Cm2 working pressure polythene pipes for soil waste and ventilating pipes of the following outside dia. low density, complete with necessary fittings, wall clamps etc including making good the wall ceiling and floor. (F) 75 mm.	30.00 Rmt.	Rmt.	280.23	8,406.90
80	Providing laying and jointing in true line and level 110 diameter U.P.V.C. SWR Type B pipe confirming to IS 13592-1992 with one end plain and other end socketed with rubbering, & fitting conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diameter x 149 mm length x 145 mm high at every 2000 mm centre to centre or shall be	55.00 Rmt.	Rmt.	918.67	50,526.85

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
	concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.				
81	Providing laying and jointing in true line and level 160 diameter U.P.V.C. SWR Type B pipe confirming to IS 13592-1992 with one end plain and other end socketed with rubbering, & fitting conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diameter x 210 mm length x 196 mm high at every 2000 mm centre to centre or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	50.00 Rmt.	Rmt.	834.38	41,719.00
82	Providing and fixing PVC Cowl vent of following dia etc complete as directed (A) 110 mm Dia	3 Nos.	No.	126.25	378.75
83	Providing and fixing PVC Cowl vent of following dia etc complete as directed (B) 160 mm Dia	3 Nos.	No.	151.50	454.50
84	Providing and fixing PVC SWR Nahni Trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I. screwed down or hinged grating including the cost of cutting and making good the walls.	5 Nos.	No.	614.19	3,070.95
85	Providing and fixing C.P. bib cock 15mm φ heavy duty with cap	4 Nos.	No.	653.08	2,612.32
86	Providing and fixing wash basin with pedestal of std. Height with single hole for pillar tap with C.I or M.S brackets painted white / fixing in granite platform including cutting holes and making goods the same including C.P. brass waste and waste pipes (A) Vitreous china. including 15 mm dia Pillar tap and Stop cock (II) Flat back washbasin 550 mm x 400 mm size (I) in white or colour	4 Nos.	No.	3,234.02	12,936.08

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
87	Providing and fixing SS Sink Glossy ASIS 304 Grade x 1mm thick with over all size 610 x 460 mm & bowl size 560 x 410 x 200 with single hole for pillar tap Fixing in sandwich platform including cutting holes and making goods the same, 15 mm dia pillar tap. Stop cock 15 mm dia, necessary fixtures, connections and waste pipes etc complete.	2 Nos.	No.	3,903.65	7,807.30
88	Provision and fixing water closet squatting Orissa type W.C. pan size 580mm integral footrest and 100 mm P or S trap and including 25 mm dia CP brass flush valve and GI inlet connection etc. comp. (A) Vitreous china long pattern white or colour	1 No.	No.	1,442.28	1,442.28
89	Pro. & Fix. wash down water closet (European W. C. pan) with integral "P" or "S" trap and PVC flushing cistern with fittings etc comp incl plastic sheet cover including jointing trap with pipe in cm 1:1 and connecting cistern with closet & Jet spray heavy duty with S.S. Braided hose 60 cm long & 2 No. 15 mm dia Stop cock (a ) Vitreous china in white or colour	1 No.	No.	3,204.73	3,204.73
90	Providing and fixing Special Needs Range CRUSE SET, EWC, 710 x 370 x 810 mm, New Cat No: S1021113 S Trap, S1021114 P Trap, S1060106 Cistern, B1520118 Soft Close Seat Cover, B1810112 Twin Flush Fittings, S2040101 Wash Basin 510 x 400 mm, F9030451 Spatula Lever basin mixer, B2210106 Wall mounted Grab bar 600 mm long, B2210106 Wall mounted Grab bar 600 mm long, B2210108 Wall mounted Hinged rail 750 x 750 {Cera or equivalent}	1 No.	No.	46,199.42	46,199.42
91	Providing and fixing urinal of approved quality connecting the urinal with waste pipe, trap & 15 mm dia Stop cock etc. complete. (A) White earthen ware flat back or corner type size 430mm x 260mm x 350 m	2 Nos.	No.	1,482.29	2,964.58
92	Providing erecting and fixing double coated PVC. (ISI) mark water tank of reqd capacity each with all necessary fittings & connection etc. comp on terrace.	2500.00 Liter	Liter	3.95	9,875.00
93	Providing and fixing 600 mm x 450 mm bevelled edge mirror of superior glass mounted on 6 mm thick plywood sheet or PVC framing and fixed to wooden plugs with C.P brass screw and washers.	4 Nos.	No.	859.41	3,437.64
94	Providing and fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden plugs with C. P. Brass screws ( B ) 600 mm X 20mm size	4 Nos.	No.	616.42	2,465.68

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
95	Providing and fixing S.W. Gully trap with C.I. Grating brick masonry chamber and water tight C.I. Cover with frame of 300 mm. X 300 size (inside) with standard weight (I) Square mouth traps (C) 150 mm. X 100 mm size P or R type	5 Nos.	No.	1,246.92	6,234.60
96	Constructing brick masonry chamber for under ground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35 Kg/cm <sup>2</sup> in cm. 1:5 C.I. Cover with frame (light duty) 455 mm. X 610 mm. Internal dimensions, total weight of cover with frame to be not less than 38 Kgs. weight of cover 23 Kg. and wt. of frame 15 Kg) R.C.C. top slab with 1:2:4 mix(1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm. size ) foundation concrete 1:5:10 inside plaster 15 mm. thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls & bed concrete etc. complete. (I) inside dimensions, 455 mm. x 610 mm. And 450 mm. Deep for single pipe line.	2 Nos.	No.	2,932.93	5,865.86
97	Constructing brick masonry chamber for under ground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35 Kg/cm <sup>2</sup> in cm. 1:5 C.I. Cover with frame (light duty) 455 mm. X 610 mm. Internal dimensions, total weight of cover with frame to be not less than 38 Kgs. weight of cover 23 Kg. and wt. of frame 15 Kg) R.C.C. top slab with 1:2:4 mix(1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm. size ) foundation concrete 1:5:10 inside plaster 15 mm. thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls & bed concrete etc. complete. [II] Inside dimensions 500 mm. x 700 mm. & 450 mm. deep for pipe lines one or two.	1 No.	No.	3,660.76	3,660.76
98	Providing throating or plaster drip and moulding to R.C.C. Chhajja.	21.00 Rmt.	Rmt.	45.10	947.10
99	Providing and fixing in position 150 mm high, English letters made from 1.0 mm thick stainless steel sheet as directed by Engineer-in-charge with all necessary tools & plants etc. complete.	60 Nos.	No.	404.00	24,240.00
100	Constructing Sandwich Platform of 18 mm thick Polished Black Granite at top and 30 mm thick Kota stone slab flooring fitting at bottom with cementing Materials / adhesives including making necessary grooves in walls with Vertical Kotastone 30 mm x 2 No sandwich thick every 60 cm centre to centre including all labour material of approved quality incl. full moulded round front edge fixed in wall for partition and jointed with grey cement slurry including rubbing and polishing etc. complete	13.00 Sq.Mt.	Sq.Mt.	3,042.12	39,547.56

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
101	Extra for additional height of propping and centering where the height of propping and centering exceeds 4.00 mt. Between supporting floor two ceiling including temporary brick or stone pillars for supporting as required.	16.00 Sq.Mt.	Sq.Mt.	407.75	6,524.00
102	Providing and fixing 110 cm high Stainless steel railing made from anticorrosive 304 grade S S pipe of 50 mm dia (16Gauge) as hand rail with S S 304 grade Baluster as a vertical support fixed in RCC slab at 1.66 m c/c including Five horizontal S S pipes of 20 mm dia (16Gauge) at equal distance including accessories as per detailed drawing as directed etc. complete.	28.00 Rmt.	Rmt.	2,110.90	59,105.20
103	SIGNAGES ON Door Providing, Fabricating & Fixing 304 grade Stainless steel 1.5 mm thick brushed steel finish plate fixed on a door using S. S. studs and with punched(laser cut) lettering carried out on S. S. plate of required size and text as directed by Engineer etc. complete.. Size: 12" x 6"	11 Nos.	No.	656.50	7,221.50
104	Providing cement vata (10 cm x 10 cm size ) quarter round in cement mortar 1:1 including neat cement finishing watering etc. complete.	20.00 Rmt.	Rmt.	24.28	485.60
105	Providing and fixing C.I. Manhole cover 0.60m x 0.45m size having weight not less than 35 kgs.	5 Nos.	No.	958.17	4,790.85
106	Providing and fixing RAZOR Coil with Blade 16MM, Clips per Spiral-5, Hot Dipped Galvanized 200 GSM, Tape Thickness 0.50 MM, GI Spring Core Wire 2.60MM Thick {avg weight 9.50 Kg / 6 mt}, and 5 Rows of galvanised steel barbed wire weighing 9.38 Kg. per 100 Metre in M.S. Angle posts 45 mm. X 45 mm. X 6 mm. and oil painting 3 coats fixed at 3.0 mt. C/C strained and fixed to posts with G.I. staples, including fixing posts in compound wall	390.00 Rmt.	Rmt.	405.01	1,57,953.90
107	Box cutting the road surface to proper slope and chamber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed	62.00 Cu.M.	Cu.M.	114.44	7,095.28
108	Providing and laying W.B.M. of B.T.M.C. metal of size 45 mm to 63 mm size including 20% Grit {Stone screening} & stone dust as filler including spreading, watering & consolidation by vibratory roller 80KN to 100KN static weight.	41.00 Cu.M.	Cu.M.	1,759.42	72,136.22

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
109	Providing and laying Controlled cement concrete M 200 for C. C. Road / wearing coat with polyester fiber (12mm) with triangular of equivalent cross section with specific gravity 1.35 to 1.40 (as a secondary reinforcement) in concrete of any grade at the rate of 125 gms per 50 kg of Cement consumption. and curing including cost of formwork, compaction and finishing of cement concrete road by trimix vacuum dewatering process on cement concrete road surface by using vacuum dewatering pump, surface floater, surface vibrator including channeling and making grooves and rough finish to surface by providing expansion joints, construction joints and filling of joints with asphalt filler as directed by Engineer In Charge and as per specification .	49.00 Cu.M.	Cu.M.	4,335.93	2,12,460.57
110	Steel work welded in built up sections, framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint and two coats of matt finished oil painting etc complete. :- (B) In trusses and trussed purlins upto 25 m. span and 15 m. overall height.	3.00 Quintal	Quintal	10,262.61	30,787.83
111	Providing corrugated PPGL Sheets 0.62 mm thick roofing fixed with Galvanized iron 'J' or 'L' hooks bolts and nuts 8 m. diameter with bitumen and G. I. Limpet washers filled with white lead complete including ridges, gutters etc. excluding the cost of purlins, rafters and trusses. (1) 0.62 mm. Thick sheet	25.00 Sq.Mt.	Sq.Mt.	841.33	21,033.25
112	Providing 6.0 Kg f/cm2 working pressure polyethylene pipes of the following outside dia. Low density, complete with special flange compression type fittings wall clamps etc. including making good the wall, ceiling and floor. including Lowering, laying and jointing PVC pipes and specials of following class and diameter including cost of conveyance (i) 110 mm	60.00 Rmt.	Rmt.	220.18	13,210.80
113	Providing 6.0 Kg f/cm2 working pressure polyethylene pipes of the following outside dia. Low density, complete with special flange compression type fittings wall clamps etc. including making good the wall, ceiling and floor. including Lowering, laying and jointing PVC pipes and specials of following class and diameter including cost of conveyance (i) 160 mm	40.00 Rmt.	Rmt.	452.48	18,099.20
114	Providing and Construction of Junction chambers of size 0.35 x 0.35 x 0.60 mt. with Foundation Concrete in CM 1:2:4 10 Cm thick, Half Brick Masonary wall in CM 1:4, 50 mm thick Flooring in CC 1:2:4 Inside Plaster 15 mm thick in C.M. 1:4 including connecting of rainwater pipe as per detailed drawing and as directed by Engineer in charge	10 Nos.	No.	1,384.71	13,847.10



Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
115	Providing and constructing filter chamber of size 2.06 x 1.21 x 1.20 mt. with Foundation Concrete in CM 1:2:4 12.5 Cm thick, 23 cm thick Brick masonry in CM 1:6, Half Brick Masonary Partition wall in CM 1:4, Inside Plaster 15 mm thick in C.M. 1:4 and cover slab 10 cm thick in CM 1:2:4 with necessary reinforcement and Filling 30 cm with 25 to 40 mm size Kapachi and Coarse sand for 90 cm as directed including connection rainwater pipes as per detailed as directed by Engineer in charge including cost of labour and material.	1 No.	No.	10,929.21	10,929.21
116	Providing water harvesting pit of 2.00 mt x 2.00mt x 4.00 mt. size for water logging with excavation in any strata upto four meter depth, filling the pit with B. T. Metal 40 mm in 0.60 mt. depth with 25-40mm kapachi, 0.30 mt. depth and 2.0 mt. depth with coarse sand in layers including making P.V.C. line for water inlet etc. as directed with 250mm dia bore 35 mt. depth and 150mm dia P.V.C. pipe of 10 Kg. f/Cm2 casing with gravel packing or as directed.	1 No.	No.	31,488.77	31,488.77
	<b>ELECTRIFICATION WORK</b>				
117	Providing and erecting Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H. D. Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete-Cat. III	55 Pts.	Pt.	485.81	26,719.55
118	Providing and erecting Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME four or more step type electronic fan regulator with separately mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H. D. Connector as directed. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete-Cat. III	19 Pts.	Pt.	674.68	12,818.92

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
119	Providing and erecting Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessories-Cat. III	23 Pts.	Pt.	257.55	5,923.65
120	Providing and erecting following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge.				
	(1)One No. SP 6 Amp. Cat.III	30 Nos.	No.	151.50	4,545.00
	(2) One No 5 pin plug Cat.III	30 Nos.	No.	151.50	4,545.00
	(7) Blank Plate Single Cat.III	20 Nos.	No.	25.25	505.00
	(9) 16 Amp. SP one way switch Cat.III	17 Nos.	No.	180.79	3,073.43
	(10) 6/16Amp. Universal socket Cat.III	18 Nos.	No.	199.98	3,599.64
	(3) Two Pin/RJ-11 Telephone Socket [A] For One Gang Cat.III	4 Nos.	No.	160.59	642.36
	(8) Computer RJ-45 Socket Cat.III	4 Nos.	No.	160.59	642.36

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
121	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch 3 nos. 6A 5 pin Plug For Modular Type Accessories Cat.III	4 Nos.	No.	1,133.22	4,532.88
122	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (b) 25 mm	80.00 Mtr.	Mtr.	33.33	2,666.40
123	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) with medium class Rigid PVC pipe and accessories (b) 2 wire 2.5 sq. mm	340.00 Mtr.	Mtr.	82.82	28,158.80
124	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size				
	(A) with medium class Rigid PVC pipe and accessories (a) 2 wire 4 sq. mm	100.00 Mtr.	Mtr.	112.11	11,211.00
	(A) with medium class Rigid PVC pipe and accessories (h) 4 wire 6 sq. mm	50.00 Mtr.	Mtr.	260.58	13,029.00

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
125	Providing and erecting Mains with ISI marked, 1.5KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS 694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. (f) One wire 10.00 sq. mm	15.00 Mtr.	Mtr.	91.91	1,378.65
126	Supplying and erecting Flexible PVC insulated multi strand multi core 1.1 kv grade ISI marked copper wires of following size to be erected as directed. e) 1.50 Sq.mm 3 core round PVC sheathed	40.00 Mtr.	Mtr.	46.46	1,858.40
127	Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos. of pairs. With necessary connections. [A] Conductor Size 0.5 mm (a) Unarmoured 2) Two Pairs	100.00 Mtr.	Mtr.	20.20	2,020.00
128	Supplying & erecting approved make LAN cable of following size in existing pipe as per direction [C] CAT - 6	100.00 Mtr.	Mtr.	47.47	4,747.00
129	Supplying & erecting Decorative call bell Ting-tong box type 250 volts complete erected	4 Nos.	No.	71.71	286.84
130	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating 125A. with Fixed thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	1 No.	No.	8,055.76	8,055.76
131	Providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark Cat.III	54 Nos.	No.	112.11	6,053.94

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
132	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (b) 40 Amp. Cat.III	5 Nos.	No.	668.62	3,343.10
133	Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (B) 40 Amp. Cat.III	1 No.	No.	295.93	295.93
134	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (B) three phase incoming and single phase horizontal type outgoing Per phase isolation type (PPI) (b) sheet steel double door (iii) 8 way	2 Nos.	No.	3,412.79	6,825.58
135	Providing and erecting Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed (ii) 40Amps. DP Cat. III	6 Nos.	No.	2,235.13	13,410.78
136	Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 SWG.	10.00 Kg.	Kg.	77.77	777.70
137	Supplying & erecting earth pit of minimum bore dia.150mm size approved make Earthing Electrode consisting Pipe-in-Pipe Technology as per IS 3043-1987 made of corrosion free hot dipped G.I.Pipes having Outer pipe dia of 50mm having 80-200 Micron galvanising, Inner pipe dia of 25 mm having 200-250 Micron galvanising, connection terminal dia of 12mm with constant ohmic value surrounded by highly conductive compound with high charge dissipation suitable for following type of applications with chamber and heavy duty cover.(approved make OEM has to submit test certificate) & having back filling compound of (B) Inner chemical (CCM Compound)- Resistivity:- 0.2 W/ meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphur content:- <2%	1 No.	No.	4,591.46	4,591.46

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
	(C) Back fill Compound :- Earthing compound should be capable to retain moisture for long time Necessary test report must be submitted. (a) For Electrical Installation up to 440V in normal soil Length of pipe - 1 Mtr Back filling compound - 1 Nos Bag of 15 Kg.				
138	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board necessary IP-42 and above protection as per approval from engineer in charge made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M. S. sheet for internal partitions with necessary accessories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminum strips, rubber grommets, rib, Bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket, heavy duty end terminal connection, danger notice board, necessary ventilation, earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminum strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (A) locally fabricated panel board (i) with 350 mm depth	1.20 Sq.Mt.	Sq.Mt.	10,468.65	12,562.38
139	Supplying and erecting triple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports /insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections. (B) Suitable for 200 Amp. capacity	0.70 Rmt.	Rmt.	3,202.71	2,241.90
140	Providing and erecting Pipe type earthing having 150 cms. long and 2.5 cms. dia. galvanised iron pipe with coupling and buch buried in specially prepared earth pit complete with necessary 8 SWG earth wire.	10 Nos.	No.	368.65	3,686.50
141	For using salt and charcoal / coke as required for pipe type earthing.	10 Nos.	No.	171.70	1,717.00

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
142	Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles, square, round, flats, bars, channels, sections complete with cutting, welding, grinding & finishing duly painted with one coat of red oxide with erection on site as per direction of engineer in charge with necessary grouting, cementing, plastering & finishing complete.	30.00 Kg.	Kg.	77.77	2,333.10
143	Providing and erecting XLPE (IS:7098)(I)-88 ISI armoured cable multistrand / Solid Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables (B) 4 core 6 Sq. mm	400.00 Mtr.	Mtr.	126.25	50,500.00
144	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.	250.00 Mtr.	Mtr.	55.55	13,887.50
145	Making trench in Hard Murrum / Tar Road of suitable width of 90 cm or required depth for laying any size of cable or locating the fault all over the run and back filling the same and making the surface as normal ground. (B) If additional machinery like hammer driller or JCB use	100.00 Mtr.	Mtr.	432.28	43,228.00
146	Providing & laying approved make Double walled corrugated pipes (DWC) of polyethylene(conforming to IS 14930 II )with necessary connecting accessories of same material at required depth in existing trench for laying of cable. below ground / road surface for enclosing cable (A)50 mm outer dia	350.00 Mtr.	Mtr.	62.62	21,917.00
147	Providing and, fixing heavy duty flange type brass cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables. (B) 2 to 4 core 6 Sq. mm	20 Nos.	No.	38.38	767.60
148	Replacing old and u/s by Providing and erecting Solder less crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/ 2.5/4/6 Sq.mm	40 Nos.	No.	6.06	242.40
149	Providing & erecting Approved make Power Saving 50 Watt Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C. 50 Hz 1200 mm sweep complete having 3blades with aluminium blades with , canopy & 30 cm. down rod erected with earthing.(Make shall be approved by Engineer in charge)	19 Nos.	No.	1,948.29	37,017.51

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
150	Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with proper insulation without leakage and earthing.	19.00 Mtr.	Mtr.	108.07	2,053.33
151	Supplying & erecting fan hook box of 10 mm M.S. round bar bounded to the RCC bars up to 50mm length each side and pierced through a 16 Gauge M.S. box / Heavy Duty PVC box complete erected concealed in Ceiling with necessary finishing.	19 Nos.	No.	108.07	2,053.33
152	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	19 Nos.	No.	18.18	345.42
153	Supplying & erecting approved make low noise decorative exhaust fan having square frame ABS body with inbuilt lowers & square frame. 200mm with 1350RPM	3 Nos.	No.	1,703.87	5,111.61
154	Supplying and erecting approved make Octagonal pole made from HR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/2633/4759, suitable suspend local wind speed with integral Junction box consist of terminal plate of min 6mm Hylam sheet, standard profile 35mmX7.5mm Din-Rail for MCB Mounting, stud type terminal and arrangement for cable termination to be erected on foundation as per details given by manufacturer considering site requirement. (C) 5 Mtr. Long 70 mm Top X 130 mm bottom dia, 3 mm thickness with 200mmX200mmX12mm base plate, 4-M16 Bolts and 600mm long J-Bolt.	10 Nos.	No.	6,874.06	68,740.60
155	Supplying & erecting approved make SMC press moulded composite FRP. loop-in, loop-out approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box. ( c)150mm x 125mm x 100mm [deep]	8 Nos.	No.	476.72	3,813.76
156	Providing and erecting street light pole bracket comprising main B Class MS pipe of 4.2 cm/require outside dia. complete with suitable B Class M.S. sleeve tubing of approx. 45cms.length and suitable for 76.5 mm / 80mm. / require size pole top having sufficient fasteners for fixing the brackets and having spread of 1 mtr. length with suitable rise as per site condition & suitable welded stiffener reducer and nipple with check nut complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms.[A] Single Arm bracket 1 Mtr	10 Nos.	No.	561.56	5,615.60



Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
157	Supplying & erecting approved make Digital time switch having lithium cell 6 years operative and operate battery backup 1 channel day clock with 14 memory programme, suitable to operate on 240V + 5%, 16A with, floating contacts Minimum switching setup time 1 minimum & LCD display. Also comprised permanent ON/OFF switching. Programming switches & housed in fire proof thermoplastic enclosure & transparent cover erected as required with necessary connection erected as directed.	1 No.	No.	3,168.37	3,168.37
158	Supplying & erecting power contactor ,AC3 duty for time switch complete erected as per direction Cat III [D] 4 pole 440V 40 Amp.	1 No.	No.	2,782.55	2,782.55
159	Providing and erecting water cooler having storage capacity 80Ltr. & cooling capacity 40 Ltr.per hour @ an ambient temp of 45° C. The outlet temp. of the water should drop by 15° C within a hour, The water cooler should be comprising of hermetically sealed compressor, fan motor, condensing unit, water tank surrounded by evaporating coil, thermostats, relay etc. complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel.	1 No.	No.	49,559.69	49,559.69
160	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 psi inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed with one year comprehensive maintenance guarantee. [C] 50 Ltr / Hr with 250 psi 2 nos booster pump	1 No.	No.	29,187.99	29,187.99
161	Replaced old and u/s by Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED efficiency-110 lumens/watt LED driver efficiency > 85 % CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux make LED used for luminaire. ( fitting required LM-79 & LM-80 Certificates)	43 Nos.	No.	373.70	16,069.10

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
	(NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer in charge may select any wattage capacity between the ranges shown.) (A) Tube Light with integral driver (d) 22-24 Watts, Surge - 2KV, IP-20, 4 feet Cat-III				
162	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection, Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5 (A) LED Lamps integral type, with PC diffuser suitable LAMP holder (ii) 5 to 8 watts	5 Nos.	No.	112.11	560.55
163	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminum housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses, with toughened glass with company mark/name engraved or embossed 160 to 270 V, Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K, Uniformity ratio >0.45, Luminaire efficacy > 100 lumens/watt . LED driver efficiency > 85 %.( fittings required LM-79 & LM-80 certificates) (NOTE: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer in charge may select any wattage capacity between the ranges shown.)				
	(A) Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (i) above 36 to 48 watts Cat-III	10 Nos.	No.	3,345.12	33,451.20
	(B) Flood Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection. (iv) above 90 to 120 watts Cat-III	8 Nos.	No.	7,266.95	58,135.60
164	Supplying and erecting HYLAM sheet on existing angle iron frame for following thickness 10mm	1.00 Sq.Mt.	Sq.Mt.	1,927.08	1,927.08

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
165	Supplying and erecting approved make panel mounting type Digital Voltmeter having 3 digits LED display, 0 to 750 AC Volts range erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	1 No.	No.	1,275.63	1,275.63
166	Supplying and erecting approved make panel mounting type Digital Ammeter having 3 digits LED display, external CT operated, calibrated for 0 to 1000 Amps suitable to operate on 500 Volt AC , erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	1 No.	No.	1,558.43	1,558.43
167	Supplying and erecting Ammeter / Voltmeter selector switch for 3 phase AC Supply 500 V on existing panel board with necessary connections.	2 Nos.	No.	317.14	634.28
168	Providing & erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio 15 VA burden erected in existing CRCA box duly secured with insulating materials connected to the meter	3 Nos.	No.	274.72	824.16
169	Supplying and erecting approved make suitable panel indicator LED type lamp, lens cover, complete erected with necessary connections.	3 Nos.	No.	43.43	130.29
170	Providing & erecting open well type horizontal mono block pump set with stainless steel body having following specification (A) 0.5 H.P. single phase open well motor pump set having discharge of 115 LPM @ 15 mtr. head suitable for 32 mm dia. delivery pipe with control panel. Cat.II.	1 No.	Ea	7,934.56	7,934.56
171	Lowering of submersible motor pump set at the depth of following ,complete with required. Nos. and size of casing pipes erected by means of proper chain pulley block & pipe wrenches after checking of threads of each pipe with coupling to take the load of the pump set and pipe assembly filled up with water (d)For Open well Horizontal submersible pump set for sump well (i) 1 HP to 5 HP	1 Job	Job	856.48	856.48
172	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size.(A) 3 Core x 1.5 Sq. mm. .	10.00 Mtr.	Mtr.	65.65	656.50

Item No.	Description of Item (with brief specification)	Quantity	Unit	In Figure Rs. Ps.	Amount
1	2	3	4	5	6
173	Providing Water proof straight Joint in PVC insulated flat flexible copper cable by using insulating material, water proofing material, & making the joint complete. (A) Up to 10Sq. mm	1 No.	No.	189.88	189.88
	TOTAL AMOUNT PUT TO TENDER				1,08,86,133.89

I / am we / are willing to carry out the work at \_\_\_\_% above / below \_\_\_\_\_ percent (should be written in figures and words) of the estimated rates mentioned above. Amount of my / our tender works out as under.

\* Estimated amount put to tender

Rs. \_\_\_\_\_

Deduct : \_\_\_\_ %below Rs. \_\_\_\_\_

Net Rs. \_\_\_\_\_

In \_\_\_\_\_ words \_\_\_\_\_

\_\_\_\_\_  
{\* Strike whichever is not applicable.}

\* Estimated amount put to tender

Rs. \_\_\_\_\_

Add : \_\_\_\_ %above Rs. \_\_\_\_\_

Total Rs. \_\_\_\_\_

In \_\_\_\_\_ words \_\_\_\_\_

\_\_\_\_\_

**Signature of  
contractor**

**Deputy Executive Engineer  
R. P. Sub Division  
Sidhpur**

**Executive Engineer  
Panchayat R. & B. Division  
PATAN**

Note :-

1	The Contractor shall exhibit a board with detailed specification and details of work as directed by the Engineer-In-Charge for which no extra payment shall be made.
2	The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
3	GST and Income tax TDS will be deducted at a source while making payments of bills
4	In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10 / 2017 Cement Consumption / 16 / C Date:11 / 05 / 2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.

**Signature of  
contractor**

**Deputy Executive Engineer  
R. P. Sub Division  
Sidhpur**

**Executive Engineer  
Panchayat R. & B. Division  
Patan**