

<b>NAME OF PROJECT: CONSTRUCTION AND RENOVATION NILAMANI GIRLS HIGH SCHOOL Kiralaga AT SUBDEGA BLOCK IN SUNDERGARH DISTRICT OF ODISHA</b>						
<b>BILL OF QUANTITIES (CIVIL WORK + Electrical + PH)</b>						
<b>SL. NO.</b>	<b>DESCRIPTION OF ITEM</b>	<b>QUANTITY</b>	<b>UNIT</b>	<b>RATE</b>	<b>AMOUNT</b>	
1	Construction of embankment with approved material obtained from borrow pits with all lifts and leads, transporting to site by mechanical means within a lead of 5kms, spreading, grading to required slope and compacting to meet requirement of table 300-2 & Clause 305 of MoSRT&H Specifications for Road & Bridge works(4th Revision)	90.00	Sqm	137.54	12,378.50	
2	Site Cleaning including cutting of bushes and uprooting of stumps etc.	821.87	Sqm	1.90	1,561.55	
3	Earth Work in exavation of foundation in ordinary soil within initial leads of 50m & lifts of 1.5m including dressing and levelling of bed etc. and adding contractor's profit and over head charges, etc. complete in all respect (A.R.-2006, Page No - 1, Item No. - 1(a))	228.74	Cum	186.40	42,636.87	
4	Supplying & filling foundation and plinth with course sand well watered and rammed including cost, cost of all labour, carriage, royalty, etc complete.(A.R.-2006, Page No - 8, Item No. - 15)	315.38	Cum	397.60	125,395.07	
5	Dismantling and removing 2.5 cm. thick artificial stone flooring including stacking the useful materials for reuse and removing the debris within 50m lead.	692.01	Sqm	77.69	53,760.99	
6	Dismantling brick masonry in cement mortar 3m. Height including stacking the useful materials for reuse and removing the debris within 50m. Lead. (A.R.-2006, Page No - 214, Item No. - 3)	96.21	Cum	1085.00	104,390.89	
7	Dismantling & removing R.C.C columns beams, slab, staircase, landing, lintels, including stacking the useful materials for the reuse and removing the debris within 50 m lead.	22.21	Sqm	1153.40	25,617.59	
8	Removing old lime or cement plaster from walls including raking out joints 12 mm deep and removing the debris within 50m lead etc.all complete (AR 2006 Page218/13)	825.51	Sqm	38.84	32,062.55	
9	Dismantling & removing Doors, Windowss and ventilators including Removal of frame, hinges, fastening and stacking the useful materials for the reuse and removing the debris within 50 m lead.	48.06	Sqm	810.80	38,962.99	
10	Dismantling G.C.I. or A.C. sheet roofing after carefully removing the bolts and nuts including stacking of he materials for reuse and removing the debris within 50m lead	480.79	Sqm	70.78	34,030.53	
11	Providing & fixing RIGID U.P.V.C Sheet in roof including fixing of ridges wind ties etc. complete but excluding cost of fitting including drilling holes in wind ties etc. all complete(Page 126/33)	480.79	Sqm	851.40	409,347.16	
12	<b>Cement Concrete (1:3:6)</b> using 4cm size hard granite C.B. metal approved quality from approved quarry including cost, carriage, royalty, cost of all labour. etc complete.	64.05	Cum	4463.80	285,900.39	
13	<b>Cement Concrete (1:2:4)</b> using 12mm size hard granite C.B. chips approved quality from approved quarry including cost, carriage, royalty, cost of all labour. etc complete and as directed by E.I.C.	22.79	Cum	5762.10	131,318.26	
14	2.5cm thick <b>Artificial Stone Flooring</b> with CC 1:2:4 with 12mm size BHG chips including cost of all materials, labour, etc. complete. (Ref.-/A/R-2006,P-85,Item no -2)	29.17	Sqm	299.40	8,733.50	
15	12mm thick cement plaster (1 : 4) over brick work with <b>cement punning</b> for skirting per 1 Sqm.	215.52	Sqm	151.92	32,741.52	
16	Providing <b>Reinforced cement concrete work of M-20</b> grade with 20mm and down grade black hard granite crusher broken chips including cost of all materials labours ,T&P, carriage, royalti, taxes, etc. with watering and curing , all complete. (Item-4, AR-2006)					
a.	<b>Foundation RCC</b>	35.36	Cum	4806.19	169,946.88	
f.	<b>Columns RCC</b>	11.26	Cum	10437.39	117,525.01	
b.	<b>Plinth Beam</b>	9.63	Cum	5156.69	49,658.92	
c.	<b>Lintel Beam</b>	3.15	Cum	8288.13	26,107.61	
d.	<b>Chajja</b>	14.33	Sqm	766.06	10,977.64	
e.	<b>Roof Beam</b>	11.40	Cum	10437.39	118,986.25	
g.	<b>Slab RCC</b>	21.80	Cum	8869.00	193,344.20	
h.	<b>WALL</b>	2.38	Cum	9699.80	23,037.03	
17	Providing <b>HYSD</b> . reinforcement for R.C.C. work including cutting, bending, binding and tying the grills and placing in position including cost of binding wire 18 to 20 gauge and cost and carriage of steel. etc. complete. (A.R.-2006, Page No - 52, Item No. - 9)	109.09	Qtl.	7997.10	872,425.63	
18	Brick work with Fly ash Bricks 23cm x 11cm x 8cm size having crushing strength not less than 75Kg/cm2 with dimensional tolerance ±2 percent in cement mortar (1:6) in Foundation and Plinth including watering curing, cost of carriage and royalty of all materials, cost of all labour, etc complete.	61.47	Cum	4069.30	250,146.08	

19	Brick work with Fly ash Bricks 25cm x 12cm x 8cm size having crushing strength not less than 75Kg/cm2 with dimensional tolerance $\pm 2$ percent in cement mortar (1:6) in <b>Super Structure</b> including watering, curing, cost of carriage and royalty of all materials, cost of all labour, etc complete. (Ref.:A/R-2006,P-71,Item No-3)	75.74	Cum	4102.70	310,726.73
20	16mm thick C.P. (1:6) over brick masonry to the smooth surface including watering, curing cost, carriage, royalty, and taxes of all materials, cost of all labour, etc complete as per the direction of E.I.C. Ref :-A/R - 2006 ,P- 105, Item No - 14	326.87	Sqm	193.10	63,117.63
21	12mm thick C.P.(1:6) on brick masonry to the smooth surface including watering, curing, cost, carriage, royalty of all materials, cost of all labour, etc complete as per the direction of E.I.C. Ref :- A/R - 2006 ,P- 103, Item No - 4	1159.17	Sqm	135.10	156,604.25
22	6 mm thick C.P. (1:4) to RCC surfaces finished smooth including closed deep chipping and slurry treatment , watering, curing cost, carriage & royalty of all materials, cost of all labour, etc complete as per the direction of E.I.C. Ref(A/R-2006,P-103,Item no-27)	458.47	Sqm	151.33	69,380.27
23	Providing fixing <b>Vitrified matt tiles (600 X 600)mm</b> in floors or steps and landing on 25 mm thick bed in cement mortar 1:1 jointed with neat cement slurry with pigment to match the shade of tiles including rubbing and polishing but including cost of tiles. (As per A.R. 89/16)	738.91	Sqm	1259.80	930,878.82
24	Providing fixing <b>Vitrified matt tiles (300 X 300)mm</b> in floors or steps and landing on 25 mm thick bed in cement mortar 1:1 jointed with neat cement slurry with pigment to match the shade of tiles including rubbing and polishing but including cost of tiles. (As per A.R. 89/16)	62.42	Sqm	1154.60	72,072.30
25	Providing fixing <b>KOTA TILES</b> in floors or steps and landing on 25 mm thick bed in cement mortar 1:1 jointed with neat cement slurry with pigment to match the shade of tiles including rubbing and polishing but including cost of tiles. (As per A.R. 89/16)	17.49	Sqm	1049.50	18,358.90
26	Providing fixing <b>Chequered tiles</b> in floors or <b>steps</b> and landing on 25 mm thick bed in cement mortar 1:1 jointed with neat cement slurry with pigment to match the shade of tiles including rubbing and polishing but including cost of tiles. (As per A.R. 89/16)	85.97	Sqm	804.40	69,151.05
27	Fixing <b>Matt tiles(600 X 600)mm</b> in dados skirting and risers of steps on 12mm thick CP (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including cost, carriage, cost of all labour etc. complete.	59.14	Sqm	1354.60	80,111.04
28	Fixing <b>Polished tiles(300 X 450)mm</b> in dados skirting and risers of steps on 12mm thick CP (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including cost, carriage, cost of all labour etc. complete.	240.31	Sqm	1048.20	251,892.52
29	Fixing <b>KOTA TILES</b> in dados skirting and risers of steps on 12mm thick CP (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the tiles including cost, carriage, cost of all labour etc. complete.	25.41	Sqm	1144.30	29,076.66
30	Providing fixing <b>GRANITE TILES</b> in floors or steps and landing on 25 mm thick bed in cement mortar 1:1 jointed with neat cement slurry with pigment to match the shade of tiles including rubbing and polishing but including cost of tiles. (As per A.R. 89/16)	3.85	Sqm	1678.69	6,462.97
31	Finishing wall surface with Cement based <b>Wall putty</b> (water based) of approved make and finished smooth & even surface to receive painting including cost of scaffolding etc. with cost of all materials, labour etc. complete. Ref :-A/R - 2006, P-236, Item No - 2				
	Inside putty	3282.74	Sqm	85.90	281,987.18
	Out side putty	247.09	Sqm	85.90	21,224.60
32	Wall painting 2 coats with plastic emulsion paint of approved shade on new work to give an even shade including cost of paint etc complete.	1851.25	Sqm	80.49	149,001.20
33	Wall painting two coat with any approved <b>Weather coat</b> paint including cost of all materials, labour and T&P require for the work etc. complete as directed by the E.I.C.	1594.70	Sqm	73.98	117,975.54
34	Iron work wrought and put up in grated doors windows & cage latrines (per qntl)	675.00	Kg.	139.00	93,825.00
35	Priming one coat with <b>Red Oxide primer</b> including cost of primer & labour to give an even shade excluding cost of primer. (As per A.R. 93/1)	122.91	Sqm	53.50	6,575.69
36	Painting two coats with approved <b>Enamel paints</b> of approved colour, shade over a coat of primer including sand papering, polishing the surface, cost, conveyances of all materials and cost of all labour etc, complete as per specification & direction of Engineer-in-charge. (As per A.R. 93/3)	182.91	Sqm	133.88	24,487.99
37	Supplying of <b>TATA PARVESH DOOR</b> , (PLANE STEEL FINISH), Frame Profile (100X58) Single Rebate with 46mm, Shutter thickness, Shutter infill-Honycomb and Frame Infill- Puff.	10.00	Nos.	20051.00	200,510.00
38	Supplying of <b>TATA PARVESH WINDOW</b> , (OYESTER WINDOW), Double Rebate Plain Steel Finish with 3 Shutter. 5mm Clear Floated Glass. SS 2X3 hingeswith 2.5 mm thickness, SS Handels, Tower Bolt, Stopper, EPDM Gasket And Corner Bracket.	6.00	Nos.	25318.00	151,908.00

39	Supplying of <b>TATA PARVESH VENTILATOR</b> , Adjustable Ventilator With Grill	4.00	Nos.	10593.00	42,372.00
40	M.S Truss made out of Channel Section of different sizes of grade YST-310.	127.84	Kg	70.70	9,038.11
41	Cost of Barbed Wire for installing in Boundary Fencing.	1925.00	Rmt	10.14	19,519.50
42	Providing & laying of 60mm thick factory made cement concrete interlocking paver block of M35 grade and approved make variety colour and size made by Block making machin with strong vibratory compaction of approved design and shape, laid in required colour and pattern over 50mm thick compacted bed of coarse sand ,filling the joints with fine sand etc.all compelte including cost.conveyance,royalty,taxes of all materials,labour,T & P etc.Complete as per direction of EIC.	400.00	Sqm	648.10	259,240.00
43	Providing and laying at or near ground level factory made <b>Kerb stone of M-25 grade</b> cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. Kerb stone shall be approved by Engineer in-charge).	30.00	Sqm	6849.10	205,473.15
44	Supplying, fitting and fixing of stainless steel of 304 grade in hand railing using 50 mm dia of 2 mm thick circular pipe with Balustrade of size 32 mm x 32mm x 2mm @ 0.90 mtr C/C and stainless aquare pipe bracing of size case as per approved design and specification, buffing, polishing etc. with the cost, conveyance taxeses of all material, cost of all labour etc. complete in all respect.	11.20	Rmt.	3515.29	39,371.22
45	25mm thick CC 1:2:2 with 6mm size CB chips for grading concret over roof slab etc. complete.	174.37	Sqm	287.10	50,062.40
46	40mm thick grading concrete (1:2:4) on roof slab with 12mm & down grade size black hard granite chips for old work.	434.85	Sqm	592.49	257,640.01
47	3 Providing fitting and fixing of false ceiling with Aluminium anodised T Section No. 3215 with 2'-0" center to center, L section No. 1705 upto 15 micron on 4 walls to be fixed by means of steel screw and P.V.C plug and the Aluminium grid 2'-0"x2'-0" suspended from ceiling etc complete	107.28	Sqm	2430.06	260,696.84
48	Surface dressing of the ground including removing Vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish lead upto 50m (at least 5m away from the dressed area).	300.00	Sqm	180.00	54,000.00
49	Provision of soft surfaces such as grass lawns in between the open spaces	300.00	Sqm	350.00	105,000.00
50	Provision of plantation all around the campus with suitable tree guard where required.				
	(i.e. Kadamba (anthocephalus cadamba), Krunachuda (Delonixregia), Radhachuda (Peltoferrum ferrugenum)	10.00	Nos.	600.00	6,000.00
51	Provision of plantation all around the campus with suitable tree guard where required.				
	(i.e. Mandar (hibiscus rosasinesis), Tagar (tabarnae montana coronaria) , Kaniar (thevetia spp), Karabira (nerium oleander)	10.00	Nos.	450.00	4,500.00
1	Wiring for circuit/submain wiring with the following mentioned size PVC insulated, copper conductor(FRLS), single core cable (Finolex/Polycab/L&T) or any other equivalent reputed make ISI marked as approved, in surface/recessed PVC conduit medium,FRLS				
a	Single light/fan/ex.f point controlled by one 6A switch or first light/fan/ext/cb point or group control.modular GROUP-A	23.00	Nos	477.00	10971.00
b	Single light/fan/ex.f point controlled by one 6A switch or first light/fan/ext/cb point or group control.modular GROUP-B	5.00	Nos	535.00	2675.00
c	Single light/fan/ex.f/call bell point controlled by one 6A switch or first light/fan/ext/cb point or group control.modular GROUP-C	3.00	Nos	576.00	1728.00
2	subsequent point of group controlWiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point ( without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.	3.00	Nos	374.00	1122.00
3	6A Plug on the same board with complete fitting by 01 no of 6A switch & socket (modular type) & other required accessories of ISI marked as approved	2.00	Nos	317.00	634.00
4	6A Plug on the separate board with complete fitting by 01 no of 6A switch & socket(modular type) cover,modular board & other required accessories of ISI marked as approved	4.00	Nos	339.00	1356.00
5	2x6A Plug on the separate board For computer/UPS/other power point or TV point & other use for Data center/go down area with complete fitting by 02 nos of 5A switch & socket(modular type) cover,modular board & other required accessories of ISI marked as approved(For ICTC Lab & Class room)	6.00	Nos	506.00	3036.00

6	Supplying and fixing 15/16A modular socket with 15/16A Switch on the existing modular plate & switch box including connections but excluding modular plate etc. as required.		2.00	Nos	424.00	848.00
7	Wiring for circuit/submain wiring with the following mentioned size PVC insulated, copper conductor(FRLS), single core cable (Finotex/Polycab/L&T) or any other equivalent reputed make ISI marked as approved, in surface/recessed PVC conduit medium,FRLS (AKG or any other equivalent reputed make ISI marked as approved) FRLS as required.					
a	2 nos single core 1.5 sq. mm copper wire for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuity conductor.		21.00	Mtr	100.00	2100.00
b	2 nos single core 2.5 sq. mm copper wire for phase and neutral and 01 no of single core 2.5 sq. mm copper wire for earth continuity conductor. (BDB to LSB/LIGHT CKT/5A PLUG)		15.00	Mtr	119.00	1785.00
c	2 nos single core 4 sq. mm copper wire for phase and neutral and 01 no of single core 4 sq. mm copper wire for earth continuity conductor.		11.00	Mtr	148.00	1628.00
d	2 nos single core 6 sq. mm copper wire for phase and neutral and 01 no of single core 6 sq. mm copper wire for earth continuity conductor.(LFDB TO LBDB)		8.00	Mtr	192.00	1536.00
e	2 nos single core 10 sq. mm copper wire for phase and neutral and 01 nos of single core 6 sq. mm copper wire for earth continuity conductor.(FLOOR PANEL TO BDB )		6.00	Mtr	256.00	1536.00
f	4 nos single core 6 sq. mm copper wire for phase and neutral and 02 nos of single core 6 sq. mm copper wire for earth continuity conductor.(LFDB TO LBDB/power unit/point)		6.00	Mtr	315.00	1890.00
8	Supply, delivery, installation & testing of AC boards consisting of 1 No 20-A DP Modular switch with indicator and 1 No 16A Moular socket in individual Modular G.I Box making good the damages caused complete as required and as per direction of Engineer-in-charge.		1.00	Nos	931.00	931.00
9	Supplying and fixing 20 amps, 240 volts, SPN, industrial type socket outlet, with 2 pole and earth metal enclosed plug top along with 32 amps. C-series, SP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet, and complete with connections, testing and commissioning etc. as required. Legrand/Hager/Siemens make		1.00	Nos	961.00	961.00
10	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.MAKE KINJAL/ AKG					
a	20 MM		8.00	Mtr	53.00	424.00
b	25 MM		8.00	Mtr	59.00	472.00
11	Supply and fixing modular type indicator on the existing switch box/cover of Anchor make.		2.00	Nos	107.00	214.00
12	Supplying and installation of AC starter Modular type,L&T make or any other equivalent reputed make as approved coil voltage-415 Volt A.C. & O/L range of 9-14A range on mod Box of suitable size including mouldar cover.		1.00	Nos	553.00	553.00
13	Supplying, installation, of exhaust fan of heavy duty 300 mm sweep with louvers (Havells make or any other equivalent reputed make star rated as approved) of exhaust fan in the existing wall, including fixing & connection.		1.00	Nos.	3098.00	3098.00
14	Supplying, installation, testing and commssioning of 1400 mm sweep white/milky colour ceiling fan of Havells velocity/CROMPTRON JURA Make or any other equivalent reputed make star rated as approved including wiring the down rod of standard length (upto 30 cm) with 1.5 sq mm PVC insulated, copper conductor, single core cable etc. as required.(With fan Regulator)		2.00	Nos.	2759.00	5518.00
15	Supplying, installation, testing and commssioning of 1200 mm sweep white/milky colour ceiling fan of Havells velocity/CROMPTRON JURA Make or any other equivalent reputed make star rated as approved including wiring the down rod of standard length (upto 30 cm) with 1.5 sq mm PVC insulated, copper conductor, single core cable etc. as required.(With fan Regulator)		6.00	Nos.	2585.00	15510.00
a	Supply delivery, installation, testing & commissioning of 400 mm size wall fan similar to Havells Pacer or equivqlent complete etc.as required..with accessories		6.00	Nos.	1803.00	10818.00
16	Supplying and fixing of 40 W LED Street light ,WIPRO WIPRO make or equivalent and any other reputed make of approved quality including supply and fixing of led lamp with connection etc. as required.		1.00	Nos.	2245.00	2245.00
17	Supplying and fixing of 18 Watt LED round SurfaceFittings CAT No. LD80-171-XXX-60-SM , WIPRO make or equivalent and any other reputed make of approved quality including supply and fixing of led lamp with connection etc. as required.		2.00	Nos.	2070.00	4140.00
18	Supplying and fixing of 20 Watt LED Tube light Fittings CAT No. CAT No. LL20-281-XXX-65AL1** , WIPRO make or equivalent and any other reputed make of approved quality including supply and fixing of led lamp with connection etc. as required.		16.00	Nos.	1079.00	17264.00

19	Supplying and fixing extra conduit down rod of 20 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 2x10 cm .	8.00	Nos.	28.00	224.00
20	Supplying and fixing of following mentioned way, three pole/single pole and neutral, sheet steel, double door MCB distribution board, 415 volts/240 volts, on surface/recess, complete with terminal blocks, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper busbar, neutral busbar, earth bar, din bar. Legrand/L&T/Siemens/HAVELLS make, or any other equivalent A categories reputed make ISI marked as approved				
	8 way, Double Door SPN DB (FOR LIGHT/POWER/UPS )(02 nos 01 for room & 01 for repair)	1.00	Nos	1489.00	1489.00
21	Supplying and fixing 6 amps to 32 amps rating, 240 volts, C series, single poles MCB of Legrand/L&T/Siemens make or any other equivalent A categories reputed make ISI marked as approved in the existing MCB DB complete with connections.	6.00	Nos	156.00	936.00
22	Supplying and fixing 25Amps DP 240 volts, RCCB,300mA Legrand/L&T/Siemens make or any other reputed equivalent A categories make ISI marked as approved in the existing MCB DB complete with connections.	1.00	Nos	1680.00	1680.00
23	Supplying and fixing 40Amps DP 240 volts, RCCB,300mA Legrand/L&T/Siemens make or any other reputed equivalent A categories make ISI marked as approved in the existing MCB DB complete with connections.	1.00	Nos	1829.00	1829.00
24	Supply of materials and installation of pipe earth electrode made out of 40mm dia class B G.I. pipe of 4.5 metre long with arrangements for fitting/ termination of G.I. flat / wire with G. I. nut bolts & washers including cost of burnt wood charcoal, salt, foreign soil, water pouring arrangements, brick masonry enclosure on top with removable RCC cover complete with labour for excavation of pit in all kinds of soil & rock as required and as per direction of Engineer-in-charge.	1.00	Nos	4785.00	4785.00
25	Providing and fixing 4 mm dia copper wire on surface or in recess for loop earthing as required.	45.00	Mtr	100.00	4500.00
26	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	45.00	Mtr	37.00	1665.00
27	Providing and fixing 25mm x 5 mm copper strip on surface or in recess for connections etc. as required.	13.00	Mtr	854.00	11102.00
28	Supply, delivery, installation, testing & commissioning of L.T. indoor wall mounted type distribution boards made out of 2mm thick CR sheet metal cubicle fixed on m.s. channel base, duly acid treated for derusting, primered and painted with 2 coats of enamel paint of approved shade, dust, damp & vermin proof, having hinged door and compartmental arrangement for each equipment & busbar chamber on the top of the panel running horizontally, having provision for cable/ conduit entry, earthing studs as per specification mentioned below duly factory wired conforming to the relevant ISS and as per special conditions of contract making good the damages caused complete as per the direction of Engineer-in-charge.	1.00	Set	36200.00	36200.00
29	Supplying, laying & testing of following size of PVC insulated XLPE sheathed / strip armoured aluminium / Copper conductor power cables of 1100 volt grade laid directly underground with sand cushioning, brick protection, clamped on surface of the walls / columns / existing RCC / inside masonry cable trenches / on the cable tray /through G.I Pipes / hume pipes / PVC pipes as the case may be, including cost of shaddles/ clamps/ markers etc but excluding the cost of G.I. Pipes / Hume pipes complete with making good to the damages as required and as per direction of Engineer-in-charge.				
a	3core x 2.5 sq mm copper unarmoured cable.	33.00	Mtr.	141.00	4653.00
b	3core x 6 sq mm copper unarmoured cable.	33.00	Mtr.	77.00	2541.00
c	3.5 core x 35 sq mm Aluminium armoured Cable.	121.00	Mtr.	243.00	29403.00
30	Supplying and making end termination with brass compression gland and aluminium lugs for following mentioned size cable.				
a	3.5 core x 35 sq mm Aluminium armoured Cable.	4.00	Nos	185.00	740.00
31	Providing and laying of following dia HDPE pipe (medium class) in ground complete with HDPE fitting incl. trenching(75 mm depth)and refilling.				
b	63 mm Dia, PN-6, PE-80, HDPE pipe	33.00	mtrs	202.00	6666.00
32	Supply of materials, Fixing of G.I perforated cable tray along with hanging arrangements & supports fabrication complete. For following sizes.				
a)	100x50x50x1.6mm thick.	11.00	Mtr	466.00	5126.00
33	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	11.00	Nos	362.00	3982.00
34	Supply , installation ,testing & commissioning of following safety equipments for school				

	a) First aid box with standard item.	3	Each	767.05	2301.15
	b) As Foam type fire extinguisher (9 liters) as per IS	2	Each	5343.48	10686.95
	c) Floor mounting stand for keeping 4 nos. of bucket 5ft in length and 3ft in height made from 30x 30x4 mm angle iron with welded 4 hooks duly painted	2	Each	1900.38	3800.75
35	Supplying and fixing of 40 W Solar LED Street light ,with battery box out door type of Havells make or equivalent and any other reputed make of approved quality including supply and fixing of led lamp with connection etc. as required.	20.00	Nos	23925.00	478500.00
36	Supply, delivery, installation & testing of 2KVA single phase UPS with 1 hour battery backup for emergency lighting and computers.	1.00	Nos.	48425.00	48425.00
37	Supplying and laying of CAT6 LAN WIRE protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required(1 run)	37.00	Mtrs	38.00	1406.00
38	Supply & laying of the 4 pair,0.5 sqmm telephone cables in existing surface/ recessed conduit etc. as required.	21.00	Mtrs	20.00	420.00
39	Supply of Material and installation of RJ 45 UTP information outlet.	6.00	Nos.	677.00	4062.00
40	Supply of ALL Material and installation of DP box with rack data	1.00	Nos.	8500.00	8500.00
41	Supply of Material and installation of RJ 11 Telephone socket.	1.00	Nos.	321.00	321.00
42	Supply of ALL Material and installation of CCTV Surveyline accessories	7.00	Nos.	7510.00	52570.00
43	Supply of ALL Material and installation of bullet type CCTV WITH ACCESSORIES	2.00	Nos.	4599.00	9198.00
44	Supply of ALL Material and installation of DP box with rack telephone	2.00	Nos.	3500.00	7000.00
45	Wiring for circuit/submain wiring with the following mentioned size PVC insulated, copper conductor(FRLS), single core cable (Finolex/Polycab/L&T) or any other equivalent reputed make ISI marked as approved, in surface/recessed PVC conduit medium,FRLS				
	Single light/fan/ex.f point controlled by one 6A switch or first light/fan/ext/cb point or group control.modular GROUP-A	7.00	Nos	477.00	3339.00
	Single light/fan/ex.f point controlled by one 6A switch or first light/fan/ext/cb point or group control.modular GROUP-B	3.00	Nos	535.00	1605.00
	Single light/fan/ex.f/call bell point controlled by one 6A switch or first light/fan/ext/cb point or group control.modular GROUP-C	2.00	Nos	576.00	1152.00
46	subsequent point of group controlWiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point ( without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PV	1.00	Nos	374.00	374.00
47	6A Plug on the same board with complete fitting by 01 no of 6A switch & socket (modular type) & other required accessories of ISI marked as approved	1.00	Nos	317.00	317.00
48	Wiring for circuit/submain wiring with the following mentioned size PVC insulated, copper conductor(FRLS), single core cable (Finolex/Polycab/L&T) or any other equivalent reputed make ISI marked as approved, in surface/recessed PVC conduit medium,FRLS (A				
a	2 nos single core 1.5 sq. mm copper wire for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuity conductor.	8.00	Mtr	100.00	800.00
b	2 nos single core 2.5 sq. mm copper wire for phase and neutral and 01 no of single core 2.5 sq. mm copper wire for earth continuity conductor. (BDB to LSB/LIGHT CKT/5A PLUG)	4.00	Mtr	119.00	476.00
49	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.MAKE KINJAL/ AKG				
a	20 MM	7.00	Mtr	53.00	371.00
b	25 MM	7.00	Mtr	59.00	413.00
50	Supply and fixing modular type indicator on the existing switch box/cover of Anchor make.	1.00	Nos	107.00	107.00
51	Supplying, installation, of exhaust fan of heavy duty 300 mm sweep with louvers (Havells make or any other equivalent reputed make star rated as approved) of exhaust fan in the existing wall, including fixing & connection.	4.00	Nos.	3098.00	12392.00
52	Supplying and fixing of 40 W LED Street light ,WIPRO WIPRO make or equivalent and any other reputed make of approved quality including supply and fixing of led lamp with connection etc. as required.	1.00	Nos.	2245.00	2245.00
53	Supplying and fixing of 18 Watt LED round Surface Fittings CAT No. LD80-171-XXX-60-SM , WIPRO make or equivalent and any other reputed make of approved quality including supply and fixing of led lamp with connection etc. as required.	1.00	Nos.	2070.00	2070.00
54	Supplying and fixing of 20 Watt LED Tube light Fittings CAT No. CAT No. LL20-281-XXX-65AL1** , WIPRO make or equivalent and any other reputed make of approved quality including supply and fixing of led lamp with connection etc. as required.	4.00	Nos.	1954.00	7816.00

55	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/termination with GI thimble etc. as required.	43.00	Mtr	37.00	1591.00
56	Supplying, laying & testing of following size of PVC insulated XLPE sheathed / strip armoured aluminium / Copper conductor power cables of 1100 volt grade laid directly unground with sand cushioning, brick protection, clamped on surface of the walls / col				
	3core x 2.5 sq mm copper unarmoured cable.	43.00	Mtr.	141.00	6063.00
57	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	9.00	nos	362.00	3258.00
58	Wiring for circuit/submain wiring with the following mentioned size PVC insulated, copper conductor(FRLS), single core cable (Finolex/Polycab/L&T) or any other equivalent reputed make ISI marked as approved, in surface/recessed PVC conduit medium,FRLS				
a	Single light/fan/ex.f point controlled by one 6A switch or first light/fan/ext/cb point or group control.modular GROUP-A	19.00	Nos	477.00	9063.00
b	Single light/fan/ex.f point controlled by one 6A switch or first light/fan/ext/cb point or group control.modular GROUP-B	8.00	Nos	535.00	4280.00
c	Single light/fan/ex.f/call bell point controlled by one 6A switch or first light/fan/ext/cb point or group control.modular GROUP-C	8.00	Nos	576.00	4608.00
59	subsequent point of group controlWiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point ( without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required.	5.00	Nos	374.00	1870.00
60	6A Plug on the same board with complete fitting by 01 no of 6A switch & socket (modular type) & other required accessories of ISI marked as approved	8.00	Nos	317.00	2536.00
61	6A Plug on the separate board with complete fitting by 01 no of 6A switch & socket(modular type) cover,modular board & other required accessories of ISI marked as approved	12.00	Nos	339.00	4068.00
62	2x6A Plug on the separate board For computer/UPS/other power point or TV point & other use for Data center/go down area with complete fitting by 02 nos of 5A switch & socket(modular type) cover,modular board & other required accessories of ISI marked as approved(For ICTC Lab & Class room)	25.00	Nos	506.00	12650.00
63	Supplying and fixing 15/16A modular socket with 15/16A Switch on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	8.00	Nos	424.00	3392.00
64	Wiring for circuit/submain wiring with the following mentioned size PVC insulated, copper conductor(FRLS), single core cable (Finolex/Polycab/L&T) or any other equivalent reputed make ISI marked as approved, in surface/recessed PVC conduit medium,FRLS (AKG or any other equivalent reputed make ISI marked as approved) FRLS as required.				
a	2 nos single core 1.5 sq. mm copper wire for phase and neutral and 01 no of single core 1.5 sq. mm copper wire for earth continuity conductor.	121.00	Mtr	100.00	12100.00
b	2 nos single core 2.5 sq. mm copper wire for phase and neutral and 01 no of single core 2.5 sq. mm copper wire for earth continuity conductor. (BDB to LSB/LIGHT CKT/5A PLUG)	88.00	Mtr	119.00	10472.00
c	2 nos single core 4 sq. mm copper wire for phase and neutral and 01 no of single core 4 sq. mm copper wire for earth continuity conductor.	23.00	Mtr	148.00	3404.00
d	2 nos single core 6 sq. mm copper wire for phase and neutral and 01 no of single core 6 sq. mm copper wire for earth continuity conductor.(LFDB TO LBDB)	21.00	Mtr	192.00	4032.00
e	2 nos single core 10 sq. mm copper wire for phase and neutral and 01 nos of single core 6 sq. mm copper wire for earth continuity conductor.(FLOOR PANEL TO BDB )	6.00	Mtr	256.00	1536.00
f	4 nos single core 6 sq. mm copper wire for phase and neutral and 02 nos of single core 6 sq. mm copper wire for earth continuity conductor.(LFDB TO LBDB/power unit/point)	6.00	Mtr	315.00	1890.00
65	Supply, delivery, installation & testing of AC boards consisting of 1 No 20-A DP Modular switch with indicator and 1 No 16A Moular socket in individual Modular G.I Box making good the damages caused complete as required and as per direction of Engineer-in-charge.	1.00	Nos	931.00	931.00
66	Supplying and fixing 20 amps, 240 volts, SPN, industrial type socket outlet, with 2 pole and earth metal enclosed plug top along with 32 amps. C-series, SP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet, and complete with connections, testing and commissioning etc. as required. Legrand/Hager/Siemens make	2.00	Nos	961.00	1922.00
67	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.MAKE KINJAL/ AKG				

a	20 MM		15.00	Mtr	53.00	795.00
b	25 MM		15.00	Mtr	59.00	885.00
68	Supply and fixing modular type indicator on the existing switch box/cover of Anchor make.		5.00	Nos	107.00	535.00
69	Supplying and installation of AC starter Modular type,L&T make or any other equivalent reputed make as approved coil voltage-415 Volt A.C. & O/L range of 9-14A range on mod Box of suitable size including mouldlar cover.		2.00	Nos	553.00	1106.00
70	Supplying, installation, of exhaust fan of heavy duty 300 mm sweep with louvers (Havells make or any other equivalent reputed make star rated as approved) of exhaust fan in the existing wall, including fixing & connection.		2.00	Nos.	3098.00	6196.00
71	Supplying, installation, testing and commssioning of 1400 mm sweep white/milky colour ceiling fan of Havells velocity/CROMPTRON JURA Make or any other equivalent reputed make star rated as approved including wiring the down rod of standard length (upto 30 cm) with 1.5 sq mm PVC insulated, copper conductor, single core cable etc. as required.(With fan Regulator)		6.00	Nos.	2759.00	16554.00
72	Supplying, installation, testing and commssioning of 1200 mm sweep white/milky colour ceiling fan of Havells velocity/CROMPTRON JURA Make or any other equivalent reputed make star rated as approved including wiring the down rod of standard length (upto 30 cm) with 1.5 sq mm PVC insulated, copper conductor, single core cable etc. as required.(With fan Regulator)		20.00	Nos.	2585.00	51700.00
73	Supplying, installation, testing and commssioning of 400 mm sweep wall fan of Havells /CROMPTRON Make or any other equivalent reputed make star rated as approved including wiring with 1.5 sq mm PVC insulated, copper conductor, single core cable etc. as required.		6.00	Nos.	1803.00	10818.00
74	Supplying and fixing of 40 W LED Street light ,WIPRO WIPRO make or equivalent and any other reputed make of approved quality including supply and fixing of led lamp with connection etc. as required.		1.00	Nos.	2245.00	2245.00
75	Supplying and fixing of 18 Watt LED round SurfaceFittings CAT No. LD80-171-XXX-60-SM , WIPRO make or equivalent and any other reputed make of approved quality including supply and fixing of led lamp with connection etc. as required.		2.00	Nos.	2070.00	4140.00
76	Supplying and fixing of 20 Watt LED Tube light Fittings CAT No. CAT No. LL20-281-XXX-65AL1** , WIPRO make or equivalent and any other reputed make of approved quality including supply and fixing of led lamp with connection etc. as required.		26.00	Nos.	1079.00	28054.00
77	Supplying and fixing extra conduit down rod of 20 cm length G.I. pipe 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 2x10 cm .		12.00	Nos.	28.00	336.00
78	Supplying and fixing of following mentioned way, three pole/single pole and neutral, sheet steel,double door MCB distribution board, 415 volts/240 volts, on surface/recess, complete with terminal blocks, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper busbar, neutral busbar, earth bar, din bar. Legrand/L&T/Siemens/HAVELLS make, or any other equivalent A categories reputed make ISI marked as approved					
	8 way, Double Door SPN DB (FOR LIGHT/POWER/UPS )(01 no)		2.00	Nos	1489.00	2978.00
79	Supplying and fixing 6 amps to 32 amps rating, 240 volts, C series, single poles MCB of Legrand/L&T/Siemens make or any other equivalent A categories reputed make ISI marked as approved in the existing MCB DB complete with connections.		12.00	Nos	156.00	1872.00
80	Supplying and fixing 25Amps DP 240 volts, RCCB,300mA Legrand/L&T/Siemens make or any other reputad equevallent A categories make ISI marked as approved in the existing MCB DB complete with connections.		1.00	Nos	1680.00	1680.00
81	Supplying and fixing 40Amps DP 240 volts, RCCB,300mA Legrand/L&T/Siemens make or any other reputad equevallent A categories make ISI marked as approved in the existing MCB DB complete with connections.		1.00	Nos	1829.00	1829.00
82	Supply of materials and installation of pipe earth electrode made out of 40mm dia class B G.I. pipe of 4.5 metre long with arrangements for fitting/ termination of G.I. flat / wire with G. I. nut bolts & washers including cost of burnt wood charcoal, salt, foreign soil, water pouring arrangements, brick masonry enclosure on top with removable RCC cover complete with labour for excavation of pit in all kinds of soil & rock as required and as per direction of Engineer-in-charge.		1.00	Nos	4785.00	4785.00
83	Providing and fixing 4 mm dia copper wire on surface or in recess for loop earthing as required.		54.00	Mtr	100.00	5400.00
84	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.		54.00	Mtr	37.00	1998.00
85	Providing and fixing 25mm x 5 mm copper strip on surface or in recess for connections etc. as required.		15.00	Mtr	854.00	12810.00

86	Supply, delivery, installation, testing & commissioning of L.T. indoor wall mounted type distribution boards made out of 2mm thick CR sheet metal cubicle fixed on m.s. channel base, duly acid treated for derusting, primered and painted with 2 coats of enamel paint of approved shade, dust, damp & vermin proof, having hinged door and compartmental arrangement for each equipment & busbar chamber on the top of the panel running horizontally, having provision for cable/ conduit entry, earthing studs as per specification mentioned below duly factory wired conforming to the relevant ISS and as per special conditions of contract making good the damages caused complete as per the direction of Engineer-in-charge.	1.00	Set	36200.00	36200.00
87	Supplying, laying & testing of following size of PVC insulated XLPE sheathed / strip armoured aluminium / Copper conductor power cables of 1100 volt grade laid directly unground with sand cushioning, brick protection, clamped on surface of the walls / columns / existing RCC / inside masonry cable trenches / on the cable tray /through G.I Pipes / hume pipes / PVC pipes as the case may be, including cost of saddles/ clamps/ markers etc but excluding the cost of G.I. Pipes / Hume pipes complete with making good to the damages as required and as per direction of Engineer-in-charge.				
a	3core x 2.5 sq mm copper unarmoured cable.	33.00	Mtr.	141.00	4653.00
b	3core x 6 sq mm copper unarmoured cable.	33.00	Mtr.	77.00	2541.00
c	3.5 core x 35 sq mm Aluminium armoured Cable.(2 runs)	123.00	Mtr.	243.00	29889.00
88	Supplying and making end termination with brass compression gland and aluminium lugs for following mentioned size cable.				
a	3.5 core x 35 sq mm Aluminium armoured Cable.	4.00	Nos	185.00	740.00
89	Providing and laying of following dia HDPE pipe (medium class) in ground complete with HDPE fitting incl. trenching(75 mm depth)and refilling.				
b	63 mm Dia, PN-6, PE-80, HDPE pipe	38.00	mtrs	202.00	7676.00
90	Supply of materials, Fixing of G.I perforated cable tray along with hanging arrangements & supports fabrication complete. For following sizes.				
a)	100x50x50x1.6mm thick.	11.00	Mtr	466.00	5126.00
91	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	11.00	nos	362.00	3982.00
92	Supply , installation ,testing & commissioning of following safety equipments for school				
a)	First aid box with standard item.	3.00	Each	767.05	2301.15
b)	As Foam type fire extinguisher (9 liters)as per IS	2.00	Each	5343.48	10686.95
c)	Floor mounting stand for keeping 4 nos. of bucket 5ft in length and 3ft in height made from 30x 30x4 mm angle iron with welded 4 hooks duly painted	2.00	Each	1900.38	3800.75
93	Supply, delivery, installation & testing of 2KVA single phase UPS with 1 hour battery backup for emergency lighting and computers.	1.00	Nos.	48425.00	48425.00
94	Supplying and laying of CAT6 LAN WIRE protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required(1 run)	121.00	Mtrs	38.00	4598.00
95	Supply & laying of the 4 pair,0.5 sqmm telephone cables in existing surface/ recessed conduit etc. as required.	21.00	Mtrs	20.00	420.00
96	Supply of Material and installation of RJ 45 UTP information outlet.	24.00	Nos.	677.00	16248.00
97	Supply of ALL Material and installation of DP box with rack data	1.00	Nos.	8500.00	8500.00
98	Supply of Material and installation of RJ 11 Telephone socket.	1.00	Nos.	321.00	321.00
99	Supply of ALL Material and installation of CCTV Serveyline accessories	12.00	Nos.	7510.00	90120.00
100	Supply of ALL Material and installation of bullet type CCTV WITH ACCESSORIES	2.00	Nos.	4599.00	9198.00
101	Supply of ALL Material and installation of DP box with rack telephone	2.00	Nos.	3500.00	7000.00
1	Providing and fixing white vitreous china pedestal type (European type/wash down type) water closet pan.				
	Cost of European water closet with P trap ( SLICK) of Hindware 20011 (Pastel)	4	NOS	4574.4	18,297.60
2	Providing Table Top wash basin size 560mm x 450mm Make hindware having cat no - 10049 with 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 r				
	Wash basin size 560mm x 450mm of hindware make having cat no - 10049 PG-24)	1	NOS	3322	3,322.00
3	Providing and fixing 15mm dia Bib cock of Parryware of cat no-G3004A1 quality conforming to IS standards.				
	15 mm nominal bore	5	NOS	1276	6,380.00
4	Providing and fixing C.P. brass angle valve for Pillar Cocks long neck .15 mm nominal bore( Hindware Cat No-F730002)				
	15 mm nominal bore	7	NOS	1094.2	7,659.40

5	Supplying all materials, labour, T&P and fixing standard sized (Health Faucet) with double lock 1.0m brass plated flexible hose & wall hook of hidware having cat no - F160002 of approved make etc complete including cutting the wall and making good the	4	NOS	2102.8	8,411.20
6	Providing and fixing 15mm dia CP angle stop cock of Hindware having cat no - F370006 approved make including all cost of materials complete as per PH specification.	7	NOS	2031.6	14,221.20
7	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1	NOS	2191.5	2,191.50
8	Supplying and fixing standard sized CP soap case ( Cat no-F840004)Hind ware type of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Eng	5	NOS	1408.6	7,043.00
11	Providing and fixing S.S grating .	6	NOS	644.6	3,867.60
12	Providing and fixing Urinal of Hindware of cat no- 60005 quality conforming to IS standards.	2	NOS	2064.7	4,129.40
13	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC pipe Conforming to IS:15778/2007(SDR 13.50), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spac				
a	20 mm dia	15	RM	620	9,300.00
b	32 mm dia	22	RM	1174.8	25,845.60
c	40mm dia	10	RM	1544.9	15,449.00
d	40mm dia TEE	10	NOS	50.61	506.10
e	40mm dia Elbow	20	NOS	33.17	663.40
f	32mm dia TEE	10	NOS	69.12	691.20
g	32mm dia Elbow	11	NOS	56.03	616.33
h	20mm dia TEE	12	NOS	32.61	391.32
i	20mm dia Elbow	10	NOS	29.9	299.00
14	Supplying all materials, labour, T&P, fitting and fixing of PVC SWR fittings of approved make with requisite testing etc complete as per PH specification and direction of Engineer-in-charge.				
	supreme rate moulded fittings				
a	100mm dia TEE	8	NOS	169.92	1,359.36
b	100mm dia bend 45	9	NOS	102.61	923.49
c	100mm dia Cowl	8	NOS	40.4	323.20
d	100mm clip	10	NOS	20.65	206.50
e	75mm dia TEE	8	NOS	86.14	689.12
f	75mm dia bend 45	10	NOS	83.25	832.50
g	75mm dia Cowl	7	NOS	26	182.00
15	Providing and fixing gun metal gate valve of approved quality (screwed end) :				
a	25mm Dia	7	NOS	1796.3	12,574.10
b	32mm Dia	6	NOS	2740.9	16,445.40
16	Cutting holes up to 30x30 cm in walls including making good the same:				
	With common burnt clay F.P.S. (non modular) bricks	10	NOS	186.9	1,869.00
17	Cutting holes up to 15x15 cm in R.C.C. floorsand roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc.with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including fini	12	NOS	151.8	1,821.60
18	Supply and fixing PVC ' S ' deep trap wherever required or nanhi trap self cleansing design including jointing to waste pipe with or without vent and with CP grating 150mm nominal size square for nanhi traps, 100mm diameter of the inner hinged round gra	5	NOS	418.5	2,092.50
20	Syntex Water Tank				
	2000ltr ( India mart ,Model name-CCWS.200.01, Item Code-87841018)	1	Nos.	15000	15,000.00
21	A) Earth work in ordinary soil with initial lead and lift including rough dressing in layers not exceeding 0.3m in depth and the Earth transported by transport vehicles as directed by the Engineer-in-charge.	15.55	CUM	162.54314	2,527.55
22	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	10.3	CUM	109.99294	1,132.93
23	Supplying all labour, T&P for the Carriage of excavated earth by mechanical means of transport within 5.00 K.M. lead including hire and running charges of vehicles, labour charges for loading and unloading as required for the work etc. complete as per the	5.25	CUM	175.54314	921.60
24	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC pipe Conforming to IS:15778/2007(SDR 13.50), having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spac				
	Cost of pipe 32mm dia	20	RM	1174.8	23,496.00
	Cost of pipe40mm dia	70	RM	1544.9	108,143.00

25	Supplying all materials, labour, T&P, fitting and fixing of CPVC fittings of approved make with requisite testing etc complete as per PH specification and direction of Engineer-in-charge.					
	supeme rate moulded fittings ADR-11					
	32mm dia Elbow	8	NOS	56.03		448.24
	32mm dia TEE	7	NOS	71.56		500.92
	40mm dia Elbow	6	NOS	60		360.00
	40mm dia TEE	5	NOS	74		370.00
26	Providing and fixing gm gate valves (with cap)complete with bolts,nuts, rubber insertions etc. (the tail pieces if required will be paid Separately					
	40mm Dia class II	6	NOS	927		5,562.00
27	Providing & fixing of gm body non return valve of approved make with high tensile bress rising stem suitable for the system pressure as per IS 780					
	32mm Dia	8	NOS	450		3,600.00
28	Supplying all materials, labour, T&P, fitting & fixing of different size bourden type pressure gauge of reputed make (0-10 kg/sqcm) with valves, piping, fitting of approved make including supply of all necessary jointing materials such as red lead paint,	1	SET	650		650.00
29	Supply, installation, testing and commisioning of automatic star delta control panel suitable for 1 HP Shallow well jet pump Single Phase 100 ltr with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and con	1	SET	8800		8,800.00
30	Supply, installation, testing and commisioning of automatic star delta starter with cabling panel suitable for pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connec	1	SET	4500		4,500.00
31	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out	1.13	cum	162.54314		183.67
32	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.					
	In all kinds of soil	0.791	cum	180.34314		142.65
	In hard rock	0.339	cum	204.2		69.22
33	Supplying and filling in plinth with Jamuna sand under floors, including watering, ramming, consolidating and dressing complete.	0.11	cum	397.6		43.74
34	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	0.11	cum	4463.8		491.02
35	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in	0.795	cum	3626.2		2,882.83
36	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all					
	All works above plinth level upto floor V level					
	Slab	0.33	cum	8869		2,926.77
37	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.					
	Roof Slab	0.33	qtl	7997.1		2,639.04
38	well sink with top and bottom cover of min 50 mm thk.	8	nos	670		5,360.00
39	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out	55.9	CUM	162.54314		9,086.16
40	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.					
	In all kinds of soil	25	CUM	180.34314		4,508.58
	In hard rock	11.2	CUM	204.2		2,287.04
41	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	6.16	CUM	397.6		2,449.22
42	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	6.16	CUM	4463.8		27,497.01
43	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in	11	CUM	3626.2		39,888.20
44	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all					
	All works above plinth level upto floor V level					
	Slab	23.52	CUM	8869		208,598.88

45	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	Roof Slab	18.78	qtl	7997.1	150,185.54
46	well sink with top and bottom cover of min 50 mm thk.	7	nos	670	4,690.00
47	Piping interlocking with all fittings and accessories	12	mtr	450	5,400.00
48	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	10.56	SQM	135.1	1,426.66
49	15 mm cement plaster on the rough side of single or half brick wall of mix :	10.56	SQM	193.1	2,039.14
50	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out In all kinds of soil	1.815	CUM	162.54314	295.02
51	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	0.1815	CUM	397.6	72.16
52	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	0.1815	CUM	4463.8	810.18
53	Fly ash Brick masonry(25X12X8)cm in Cement Mortar(1:6) using bricks strength 75kg/sqcm	0.625	CUM	4102.7	2,564.19
54	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all All works above plinth level upto floor V level Slab	0.114	CUM	8869	1,011.07
55	Supplying, fitting and placing uncoated HYSD bar reinforcement complete as per drawing and technical specifications in Ground Floor Thermo-Mechanically Treated bars	0.00228	QTL	7997.1	18.23
56	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	1.8	SQM	135.1	243.18
57	15 mm cement plaster on the rough side of single or half brick wall of mix :	4.06	SQM	193.1	783.99
58	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out In all kinds of soil	1.65	CUM	162.54314	268.20
59	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	0.20625	CUM	397.6	82.01
60	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 : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	0.20625	CUM	4126	850.99
61	Fly ash Brick masonry(25X12X8)cm in Cement Mortar(1:6) using bricks strength 75kg/sqcm	0.6975	CUM	4102.7	2,861.63
62	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all Slab	0.15675	CUM	8869	1,390.22
63	Supplying, fitting and placing uncoated HYSD bar reinforcement complete as per drawing and technical specifications in Ground Floor Thermo-Mechanically Treated bars Beyond 1.50mtr Depth	0.003135	QTL	7997.1	25.07
64	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	1.98	SQM	135.1	267.50
65	15 mm cement plaster of mix : Cost of Pipe 100mm	4	SQM	193.1	772.40
66	Cost of Pipe 75mm	50	mtr	351	17,550.00
67	Cost of Pipe 75mm	65	mtr	288	18,720.00
68	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out In all kind of soil	15.2	cum	162.54314	2,470.66
69	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	10.3	cum	397.6	4,095.28
70	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size).	4.9	cum	4463.8	21,872.62

71	Supplying all materials, labour, T&P and construction man hole chamber of the following size with cement concrete(1:3:6) using 40mm size hard granite metal on bed, 1st class Fly ash brickwork in cement mortar(1:6), moulding and shaping the channel insid				
	Inside size 910mm x 910mm x 910mm	1	Each	14492.9	14,492.90
	Sinking of 200mmx150mm dia Production well through DTH Method-1 No				
72	Labour for drilling a perfectly vertical bore hole of specified dia for a specified depth below ground level through consolidated and unconsolidated rock with down the hole hammer drilling rig or combination rig as required to suit the site condition as p				
	Drilling of 200mm dia bore 0mtr to 60mtr	60	Mtr	782.6	46,956.00
	Drilling of 200mm dia bore 61mtr to 90mtr	30	Mtr	782.6	23,478.00
	Drilling of 150mm dia bore 46mtr to 160mtr	100	Mtr	782.6	78,260.00
73	Lowering the following size of G.I/P.V.C/M.S housing pipes with or without slotted pipes as per the necessity from ground level up to 45.00m depth and fitted and fixed up in perfectly vertical position including cutting and threading of pipes and slotted				
	Lowering of 200mm dia GI/P.V.C/MS casing pipes 0 mtr to 30 mtrs	60	Mtr	180.5	10,830.00
	Lowering of 200mm dia GI/P.V.C/MS casing pipes 31 mtr to 45 mtrs	30	Mtr	180.5	5,415.00
	Cost of 200mm dia P.V.C schedule-80 pipe	60.25	Mtr	1633.8	98,436.45
74	Cleaning and developing the tube well with supply of compressor worked till clear and adequate discharge is obtained from the tube well including supply and use of all necessary equipment and labour as per direction of the Engineer in charge				

	By DTH/Rotary Rig		1	Each	6586	6,586.00
75	Supplying all materials and labour,tools and plant and providing sanitary sealing by cement concrete grouting of annular space around GI/PVC/MS housing pipe upto 5 mtrs below ground level(as per drawing)to plug the bore hole excluding cost of cement all c					
	Sanitary sealing upto 5mtrs below ground level.		1	Each	1173.1	1,173.10
	CC(1:2:4)with 12mm chips for grouting upto 5 mtr.Depth in sanitary sealing.		0.2	Cum	5732.7	1,146.54
76	Supplying all materials, labour T&P and fitting and fixing brass/CP fittings of the following nominal bore with supply of all jointing materials complete as per specification and direction of the Engineer in charge.					
	50mm dia brass or gun metal Non-return valve		1	Each	2080.4	2,080.40
	40mm dia brass Fullway valve		1	Each	1720.8	1,720.80
77	Supplying submersible pump with squirrel cage induction type submersible type submersible electric motor to run on 3 phase/1 phase line voltage ranging from 320 volt to 450 volt conforming to IS: 8034 - 2002 with following specifications					
a	1.5H.P Single phase 3 Stage Head range 30to 54 meter discharge		1	Set	15200	15,200.00
b	DOL controll panel		1	Each	3805.5	3,805.50
c	4.0sqmm cable		45	Mtr	350	15,750.00
d	32mm dia steel short piece		1	Each	152.3	152.30
e	25mm dia HDPE Pipe		40	Mtr	91.5	3,660.00
78	Labour charges for lowering of submesible pumpset with pipes and cables etc. with testing and commissioning at site.		1	job	2000	2,000.00
79	Labour for drilling a perfectly vertical bore hole of specified dia for a specified depth below ground level through consolidated and unconsolidated rock with down the hole hammer drilling rigs or combination drilling rigs (650 cfm/ 200 psi) as required t					
	Labour for drilling of 125x100 mm dia bore 00 mtr to 125 mtrs		250	Mtr	599.3	149,825.00
80	Lowering the following size G.I/ PVC pipes with or without slotted pipes as per the necessity from ground level and fitted and fixed up in perfectly vertical position, including cutting and threading pipe and slotted pipe and supplying and fixing all jo					
	Labour for lowering of 125 mm dia casing pipe in bore 00 mtr to 45 mtrs		90	Mtr	107.6	9,684.00
	Cost of 125 mm dia casing Pipe		91.2	Mtr	700	63,840.00
81	Cleaning and developing the tube well using their own compressor continuously worked till clear and adequate discharge is obtained from the tube well including supply and use of all necessary equipment and labour as per the direction of Engineer-in-Charge		2	Each	3227.1	6,454.20
82	India Mark 2 hand pump ( 1 set)		1	NO.S	30000	30,000.00
	<b>Total</b>					<b>10,486,607.00</b>

**(One crores four lakh Eighty Six thousand Six hundred Seven ) only**

**My/ our quoted rate is .....% (both figure & words) excess over /less than /equal to the above Estimated cost.**

**Notes:**

1. Strike out which are not applicable.
2. The contractor should not write any thing except quoting of percentage.
- 3.The Tender Committee may negotiate to execute the work @ Schedule of Rates as quoted above ,when the %age is much higher than the above Rates.

**Signature of Contractor**

**Block Development Officer  
Subdega, Sundargarh**

No. of Correction : -  
No. of Overwriting :-  
No. of Interpolation :-

**Block Development Officer  
Subdega, Sundargarh**