

GUJARAT STATE POLICE HOUSING CORPORATION LTD. JUNAGADH

Name of Work :

Special Repair to Cat B-48 (G+3) (Block No. 7, 8 & 9), C-03 (G+2), D-02 (G+1) & E-03 Units, City Police Station & Dy. Sp. Office in Veraval City, B-32 (G+3), C-02 & D-01 Units in Prabhas Patan Police Line & B-32 (G+3) Units at Sutrapada, Dist. Gir Somnath. [Including Electrification Work]

:: SCHEDULE B ::

Statement showing the approximate quantities for the items of the above work to be carried out and approximate cost put to tender for

15473613.94

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
1	Removing & 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.	3102.00	Sqm	20.63	Rupees Twenty And Paise Sixty Three Only	63994.26
2	Dismantling tile or stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	546.00	Sqm	50.94	Rupees Fifty And Paise Ninety Four Only	27813.24
3	Demolition and disposal of unserviceable materials with all lead and lift.(ii) Cement concrete.	23.00	Cum	646.23	Rupees Six Hundred Forty Six And Paise Twenty Three Only	14863.29
4	Demolition and disposal of unserviceable materials with all lead and lift.(i) Reinforcement Cement concrete.	15.00	Cum	1122.66	Rupees One Thousand One Hundred Twenty Two And Paise Sixty Six Only	16839.90

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
5	Dismantling sanitary fittings like wash basin,w/c pan indian and European type, flusing tank etc including stacking of serviceable materials with all lead and lift.	78.00	No.	429.66	Rupees Four Hundred Twenty Nine And Paise Sixty Six Only	33513.48
6	Dismantling of PVC/U PVC Pipe for any dia... with all lead and lift.	682.00	Rmt	20.00	Rupees Twenty Only	13640.00
7	Dismantling of C-pvc Pipe for any dia... with all lead and lift.	672.00	Rmt	20.00	Rupees Twenty Only	13440.00
8	Credit value for U-PVC/ PVC pipes Rate are inclusive of dismantalling of PVC Pipes	680.00	Rmt	-6.00	Rupees Only	-4080.00
9	Credit value for C-pvc pipes Rate are inclusive of dismantalling of C-pvc Pipes	672.00	Rmt	-8.00	Rupees Only	-5376.00
10	Cleaning the Sluge of Old Septic Tank Size 5.00 x 2.15	15.00	No.	12000.00	Rupees Twelve Thousand Only	180000.00
11	Providing and laying Corrosion resistance Steel reinforcement (Grade Fe-500) for RCC work including cutting, bending, binding and placing in position etc.comp for all floor	193.00	Kg.	83.92	Rupees Eighty Three And Paise Ninety Two Only	16196.56
12	Providing and applying bonding agent for grip between old & new concrete by Sikadur 32 or its equivalent as approved by engineer in charge. Rates are inclusive of surface preparation such as cleaning surfaces. Mixing components of Sikadur 32 together with a slow-speed electric drill with properly designed impeller until a smooth consistency is achieved. Mix shall be applied by brush, roller or spray.	175.00	Sqm	371.39	Rupees Three Hundred Seventy One And Paise Thirty Nine Only	64993.25

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
13	Providing and applying Micro concrete in existing RCC members. micro concrete shall be of Perma recrete - 306 or its equivalent from ROFF, FOSROCK, BASF or SIKKA as approved by engineer in charge (Of 60 MPA at 28 days). Rates are inclusive of cleaning the surface, remove loose materials, applying Sikka Rust off 100 or its euivalent to existing reinforcement. Preparing microconcrete as per instruction of manufacturer required form work and scaffolding and filling microconcrete in required places etc complete.	7.25	Cum	62188.93	Rupees Sixty Two Thousand One Hundred Eighty Eight And Paise Ninety Three Only	450869.74
14	Major Repairing of Door, Windows shutters and frame including refixing aligning shutters providing replacing and fixing alluminium anodized fitting and fixtures etc. complete excluding the painting as per the specification including cutting of panel or member of rails.	755.00	Sqm	321.78	Rupees Three Hundred Twenty One And Paise Seventy Eight Only	242943.90
15	Providing and fixing 5mm thick frosted Glass etc. Complete.	13.00	Sqm	450.00	Rupees Four Hundred Fifty Only	5850.00
16	Providing & fixing Bajari glass ordinary quality bedded with putty with oil paint after Removing old putty and cleaning surface and necessary cutting of Bajari glass (B) 4mm thick Bajri glass	14.00	Sqm	742.75	Rupees Seven Hundred Forty Two And Paise Seventy Five Only	10398.50

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
17	Providing, Supplying and Fixing of 32mm (Total) Thick Double Flush Door Shutter with 1mm Thick Laminates on Both Side of Shutter. Making / Construction of Flush Door is with Pine or southern Yellow Pine Filler and 2.5mm core veneer Both Side and 0.4mm Face Veneer on Both Side with Lock rail on Center. Flush Door Provide with Teak wood beading patti (32mm X 12mm) on Peripheries of Flush Door with Door Frame of Non Teak Solid Wood of size 100mm x 60mm with Chemically Treated and Seasoned Including Paint Matching with Laminates. Frame & Flush door shutter having 5 year warranty against attack of biological agent like termite, borers, decay, fungi and harmful insects also warranty against seasoning related issues like crack, bending, twisting, warping. Laminates on shutter shall be press by cold press method. Shutter shall be brought to site in packed PVC bags & pvc coating shall be removed on completion of work in such a way that shutter & Frame is free from nail mark & any damages etc.	22.50	Sqm	8411.60	Rupees Eight Thousand Four Hundred Eleven And Paise Sixty Only	189261.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<p>Rates are also Inclusive of all Labors & Proviging 15cm. Long 8 No of Hold Fast (25mm X 5mm) & 8 No of 6 Inch S.S. but Hinges, 100mm x 75 mm x 3mm thick, required Screw & Nails per Frame and Fixing following S.S. Fixtures And Fastening. (1) Aldrops 2 No, 250mm x 16mm, (2) Door Stopper 2 No, 100mm Long, (3) Double Leg Heavy Push Door Stopper 2 No & (4) Handle 4 No, 150mm Long X 10mm thick. Door are Fixing as per Details Drawing & Instruction of Engineer in charge. All Materials Used Shall be as Per approved Material Make List of G.S.P.H.C. The Required Frame is to be Obtained from Vanil Udhyog Maked Only.</p>					

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
18	Providing and fixing Polyvinyl chloride (PVC) Door frame of size 50 x 47mm with a wall thickness of 5mm thick made out of extruded 5mm rigid PVC foam sheet, mitre cut at two corners and jointed with 2 Nos. of 150mm long brackets of 15 x 15mm M.S. square tube. The two vertical door profiles are to be reinforced with 19 x 19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame shall be fixed to the wall using 65/100mm long M.S. screws through the frame by using PVC fasteners. A minimum of 4 Nos. of screws to be provided for horizontal member. Providing and fixing 30mm thick Solid Panel PVC Door Shutter consisting of frame made out of M.S. tubes of 19 gauge (16mm) thickness and size of 19mm x 19mm for stiles, & 15mm x 15mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacturer. M.S. frame shall be covered with 5mm thick heat moulded.	60.00	Sqm	1449.90	Rupees One Thousand Four Hundred Forty Nine And Paise Ninety Only	86994.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	PVC 'C' channels of size 30 x 50mm forming stiles. and 5mm thick, 75mm wide PVC sheets for top rail. lock rail & bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail. Panelling of 5mm thick PVC sheet to be fitted in the M.S. frame welded /sealed to the stiles & rails with 30mm wide x 5mm thick PVC Sheets beading on either side, and jointed together with solvent cement adhesive etc. An additional 5mm thick PVC strip of 20mm width is to be struck on the interior side of the 'C' Channel using PVC solvent adhesive and stainless steel (grade 316) fixtures & fastening 4 nos. of hinges (100mm x 58mm x 1.9mm) Two Nos. of Aldrop of 200 mm x 16 mm, Stopper 150 mm x 10 mm & Handle 125 mm long as per detail drawing etc. complete as direction of Engineer-in-Charge.					
19	Providing and fixing standard extruded of aluminium section of size 63 x 38.10 x 1.20 mm (Jindal section No. 2434, @Wt 0.643 Kg/ Rmt) with colour anodized aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for ventilation	9.00	Sqm	1163.92	Rupees One Thousand One Hundred Sixty Three And Paise Ninety Two Only	10475.28

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
20	Providing, Fabricating and fixing M.S. GRILL/GATE of approved pattern fabricated from M.S. flat,square bars, round bars,c-channel, box pipe as per detail Drawings. Rate is inclusive of welding with grinding smooth surface, two coats of Oil paint and one coat of yellow Zinc primer coat of approved brand only. Oil paint shall be Luxol Enamel paint of Berger Paint india limited. or asian paint apcolite premium gloss Enamel of asian paint or Dulux premium gloss enamel of dulux paint and nerolac synthetics enamel of nerolac paint for all floor and at any height only. Structural Steel material should be used ISI marked only.	6590.00	Kg.	75.30	Rupees Seventy Five And Paise Thirty Only	496227.00
21	Providing 10 mm thick cement PLASTER in single coat on ceilings for interior plastering and finished even & smooth in C.M. 1: 3 (1 cement : 3 sand) including finishing with a floating coat of neat cement slurry at Ground Floor.	158.00	Sqm	230.60	Rupees Two Hundred Thirty And Paise Sixty Only	36434.80
22	Providing 15 mm thick cement PLASTER in single coat on brick or concrete wall for interior plastering and finished even and smooth in C.M. 1:4 (1 cement : 4 sand) including finishing with floating coat of neat cement slurry at Ground Floor.	307.00	Sqm	230.95	Rupees Two Hundred Thirty And Paise Ninety Five Only	70901.65
23	Providing 10 mm thick cement PLASTER in single coat on ceilings for interior plastering and finished even & smooth in C.M. 1: 3 (1 cement : 3 sand) including finishing with a floating coat of neat cement slurry at First Floor.	140.00	Sqm	258.32	Rupees Two Hundred Fifty Eight And Paise Thirty Two Only	36164.80

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
24	Providing 15 mm thick cement PLASTER in single coat on brick or concrete wall for interior plastering and finished even and smooth in C.M. 1:4 (1 cement : 4 sand) including finishing with floating coat of neat cement slurry at First Floor.	357.00	Sqm	260.75	Rupees Two Hundred Sixty And Paise Seventy Five Only	93087.75
25	Providing 10 mm thick cement PLASTER in single coat on ceilings for interior plastering and finished even & smooth in C.M. 1: 3 (1 cement : 3 sand) including finishing with a floating coat of neat cement slurry at Second Floor.	130.00	Sqm	286.04	Rupees Two Hundred Eighty Six And Paise Four Only	37185.20
26	Providing 15 mm thick cement PLASTER in single coat on brick or concrete wall for interior plastering and finished even and smooth in C.M. 1:4 (1 cement : 4 sand) including finishing with floating coat of neat cement slurry at Second Floor.	346.00	Sqm	290.55	Rupees Two Hundred Ninety And Paise Fifty Five Only	100530.30
27	Providing 10 mm thick cement PLASTER in single coat on ceilings for interior plastering and finished even & smooth in C.M. 1: 3 (1 cement : 3 sand) including finishing with a floating coat of neat cement slurry at Third Floor.	122.00	Sqm	313.76	Rupees Three Hundred Thirteen And Paise Seventy Six Only	38278.72
28	Providing 15 mm thick cement PLASTER in single coat on brick or concrete wall for interior plastering and finished even and smooth in C.M. 1:4 (1 cement : 4 sand) including finishing with floating coat of neat cement slurry at Third Floor.	362.00	Sqm	320.35	Rupees Three Hundred Twenty And Paise Thirty Five Only	115966.70

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
29	Providing 10 mm thick cement PLASTER in single coat on ceilings for interior plastering and finished even & smooth in C.M. 1: 3 (1 cement : 3 sand) including finishing with a floating coat of neat cement slurry at Fourth Floor.	32.00	Sqm	341.48	Rupees Three Hundred Forty One And Paise Forty Eight Only	10927.36
30	Providing 15 mm thick cement PLASTER in single coat on brick or concrete wall for interior plastering and finished even and smooth in C.M. 1:4 (1 cement : 4 sand) including finishing with floating coat of neat cement slurry at Fourth Floor.	131.00	Sqm	350.15	Rupees Three Hundred Fifty And Paise Fifteen Only	45869.65
31	Providing 20 mm thick SAND FACED cement PLASTER on walls above ground level consisting 12 mm thick backing coat of C.M. 1: 3 (1 cement : 3 sand) and 8mm thock finishing coat of C.M. 1:1 (1 cement : 1 sand) etc. Complete for any height.	2500.00	Sqm	355.17	Rupees Three Hundred Fifty Five And Paise Seventeen Only	887925.00
32	Providing and fixing FRP/PVC sheet chajja including all required fabrication job with fixing at site by means of fasteners/civil works by chipping and remaking good finish plastering etc complete. Job includes water proofing treatment on the junction of wall and chajja with providing required water proof sealant, cement vat etc complete as per direction of site enginner. (Scaffolding for this item will be paid under relevant item seperatly.)	51.00	Sqm	669.44	Rupees Six Hundred Sixty Nine And Paise Forty Four Only	34141.44

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
33	Providing 10 mm thick cement PLASTER in single coat of interior plastering and finished even and smooth in cement mortar 1:3 (1 cement : 3 sand) and finishing with floating coat of neat cement slurry including providing and mixing WATER PROFFING material in C.M in proportion recomended by the manufacturer including finishing with a flaoting coat of neat cement slurry FOR ALL FLOOR.	376.00	Sqm	256.09	Rupees Two Hundred Fifty Six And Paise Nine Only	96289.84
34	Providing CEMENT VATA (10cm x 10cm) size quarter round in cement mortar (1 : 1) including neat cement finishing, watering etc. Complete.	789.00	Rmt	24.04	Rupees Twenty Four And Paise Four Only	18967.56
35	Providing and laying acrylic base (zycosil) equvalant water proofing paint in two coats to vertical and horizontal surface of depressed portion of bath and W.C. as directed by engineer -in- charge. This treatement shall be carried out over and above water proofing cement plaster	376.00	Sqm	110.70	Rupees One Hundred Ten And Paise Seventy Only	41623.20
36	Providing and fixing PVC SWR Nahni Trap of the following nominal dia. Self cleaning design with top jali and stainer including cost of cutting and making good the walls and floors 100mm inlet and 50mm outlet. Including 150mm x 150mm stainless steel jali.	68.00	No.	608.11	Rupees Six Hundred Eight And Paise Eleven Only	41351.48

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
37	Providing and fixing water closet squatting pan (Orissa type W.C. pan) first quality with UPVC S trap of 100 mm including jointing the trap with UPVC Pipe (size 580mm X 450 mm in vitreous china white colour).Rate also includes making holes in RCC slab / Beam and fixing the trap in hanging position by M.S. clamps of required size fitted in ceiling .	42.00	No.	1354.44	Rupees One Thousand Three Hundred Fifty Four And Paise Forty Four Only	56886.48
38	Providing and Filling Cinder including watering, consolidation etc. complete	31.00	Cum	791.69	Rupees Seven Hundred Ninety One And Paise Sixty Nine Only	24542.39
39	Providing & Laying ordinary Cement Concrete 1:2:4 including finishing smooth and curing complete, including cost of formwork but excluding cost of reinforcement. For all Floors.	31.00	Cum	3867.19	Rupees Three Thousand Eight Hundred Sixty Seven And Paise Nineteen Only	119882.89

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
40	Providing & Laying integrated cement based proprietary water proofing treatment of required thickness over the roof including 10mm thick water proofing cement plaster in cement mortar 1:3 and CHINA MOSAIC fitting and finally finishing the surface with white cement slurry and slopping out terrace slab with following specification laid to required slope not flatter than 1:80 (the thickness of water proofing treatment near rain water outlet or the lowest point of the finished slope shall not be less than 45mm including treating the vertical surface of the parapet wall upto 20cms. height above finished level of terracing including finishing top with joint less water proofing plaster, curing, testing etc. completed. Rate is including 10 years performance of guarantee bond to be given on stamp paper (No extra shall be paid for increase in thickness for proper slope). Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS-2645 y full C.I., stator winding- copper, rotor- copper, shaft- SS / carb	123.00	Sqm	905.04	Rupees Nine Hundred Five And Paise Four Only	111319.92

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	Laying cement concrete using broken bricks bats 25mm to 40mm size with 50% of cement mortar 1:4 (1cement : 4 coarse sand) over 10mm thick water proofing cement plaster in cement mortar of mix 1:3 (1cement : 3 coarse sand) admixed with proprietary water proofing compound confirming to IS-2645 to required slope and treating similarly the adjoining walls upto 200mm height including rounding of junction of walls. After two days of proper curing applying a second coat of cement slurry. Finishing the surface with china mosaic pieces laid in 10mm thick joint less cement mortar of mix 1:3 (1cement : 3 coarse sand) admixed with proprietary water proofing compound confirming to IS-2645 and finally finishing the surface with trowel with neat cement slurry. The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing for final test. All above operation to be done in order and as directed and specified by the engineer in charge.					

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
41	Providing and laying Damp Proof Suprema white on Terrace Surfaces (Two Coats) over and above Applying one coat of primer to give in Required Cleaning of Terrace and open old Vatta of China mosaic after throughly brushing the surface to remove all dirt and remains of loose powdered materials etc. complete. Primer and Damp proof shall be used as per approved materials list of GSPHCL or Instruction as Engineer Incharge. The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing for final taste. Rate are including Ten Years performance of gayrantee bond to be given on Stamp Paper.	522.00	Sqm	409.30	Rupees Four Hundred Nine And Paise Thirty Only	213654.60
42	Providing & Fixing to Wall Ceilling and Floor 4.0Kg/cm2 PVC Rain Water pipe as Per IS-4885 of 75mm Dia. Complete with Special Flings, Compressor type Fittings like G.I. Slotted Z patti of 16 Gauge (minimum 1.60mm thick) and minimum 6mm dia. U Clamp with Washer Nut at every 1.50mt. vertical distance including All Labour Charges etc. complete including making good the Ceilings, Floors and on terrace. Rain water pipe shall be 75 mm Dia. PVC horizontal pipe and vertical pipe and 75 mm bend at the end near by Ground level. Rate are Inclusive of all Necessary Fittings required for ALL FLOORS.	208.00	Rmt	162.23	Rupees One Hundred Sixty Two And Paise Twenty Three Only	33743.84

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
43	Providing and fixing to wall, ceiling and floor U.PVC SWR Soil Waste Pipe with 'O' Ring 75 mm dia. of ISI 13592/92. Rate inclusive of All fittings like single or double 'Y' with door, reducer, coupler single 'T' with door bend, G.I. Slotted Z patti of 16 Gauge (minimum 1.60mm thick) and minimum 6mm dia. U Clamp with Washer Nut at every 1.50mt. vertical distance including All Labour Charges etc. complete and making good the Wall, Ceiling and Floor.	206.00	Rmt	276.04	Rupees Two Hundred Seventy Six And Paise Four Only	56864.24
44	Providing and fixing to wall, ceiling and floor U.PVC SWR Soil Waste Pipe with 'O' Ring 110 mm dia. of ISI 13592/92. Rate inclusive of All fittings like single or double 'Y' with door, reducer, coupler single 'T' with door bend, G.I. Slotted Z patti of 16 Gauge (minimum 1.60mm thick) and minimum 6mm dia. U Clamp with Washer Nut at every 1.50mt. vertical distance including All Labour Charges etc. complete and making good the Wall, Ceiling and Floor.	155.00	Rmt	509.77	Rupees Five Hundred Nine And Paise Seventy Seven Only	79014.35
45	Providing and fixing in position PVC COWEL VENT to pipe 75 mm dia.	18.00	No.	16.47	Rupees Sixteen And Paise Forty Seven Only	296.46
46	Providing and fixing in position PVC COWEL VENT to pipe 110mm Dia.	18.00	No.	28.16	Rupees Twenty Eight And Paise Sixteen Only	506.88

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
47	Providing & Laying 24" x 24" Double Charge vitrified 8 to 10 mm thick tile 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 including dismantling of existing flooring and material jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for Anti Skid. material shall be used as per approved make as per GSPHCL. size and shade as per approved drawings or as per diection of engineer in charge.	63.00	Sqm	1458.33	Rupees One Thousand Four Hundred Fifty Eight And Paise Thirty Three Only	91874.79
48	Providing and laying Ceramic tiles 8-10mm thick in riser of steps and dado on a bed of 10mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with white cement with required pigment. Size of the tiles shall be as mentioned in specified tender item. Brand of the tiles shall be as per approved make list of GSPHCL.	133.00	Sqm	1081.15	Rupees One Thousand Eighty One And Paise Fifteen Only	143792.95
49	Providing and laying 25mm thick polished KOTAH STONE SLAB FLOORING over 20mm average thick base of cement mortar 1:6(1 cement; 6 coarse sand) over and jointed with grey cement slurry including rubbing and polishing etc. complete for All floors.	143.00	Sqm	1108.30	Rupees One Thousand One Hundred Eight And Paise Thirty Only	158486.90

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
50	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [F] 50mm.	130.00	Rmt	654.04	Rupees Six Hundred Fifty Four And Paise Four Only	85025.20
51	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [E] 40mm.	204.00	Rmt	443.29	Rupees Four Hundred Forty Three And Paise Twenty Nine Only	90431.16
52	Providing and fixing Concealed center point to wall, ceiling and floor CPVC pipes SDR-13.5 PIPE having national sanitation foundation (NSF) seal for potable waterof following dia nominal bore tube fitting and clamps including making good the wall,ceiling and floor etc..complete. [C] 25 mm inner dia.	222.00	Rmt	251.31	Rupees Two Hundred Fifty One And Paise Thirty One Only	55790.82
53	Providing and fixing Concealed center point to wall, ceiling and floor CPVC pipes SDR-13.5 PIPE having national sanitation foundation (NSF) seal for potable waterof following dia nominal bore tube fitting and clamps including making good the wall,ceiling and floor etc..complete. [B] 20 mm inner dia.	208.00	Rmt	206.73	Rupees Two Hundred Six And Paise Seventy Three Only	42999.84

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
54	Providing and fixing in position ISI marked Rotational moulded Polyethylene double layer cylindrical vertical storage Tank (IS : 1270) water Tank Size including marking inlet and outlet. Over flow and washout arrangement with G.I. connection including using necessary M.H. for connection etc. complete with closed cover including applying two coats of oil painting outside the Tank etc. complete.	8000.00	Litre	3.91	Rupees Three And Paise Ninety One Only	31280.00
55	Providing and fixing PVC Water tank cover including necessary screw for Fixing and applying two coats of oil painting outside the tank Cover etc. complete.	19.00	No.	815.12	Rupees Eight Hundred Fifteen And Paise Twelve Only	15487.28
56	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 50 mm dia.	16.00	No.	2302.33	Rupees Two Thousand Three Hundred Two And Paise Thirty Three Only	36837.28
57	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 40 mm dia.	28.00	No.	656.86	Rupees Six Hundred Fifty Six And Paise Eighty Six Only	18392.08
58	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 25 mm dia.	72.00	No.	416.47	Rupees Four Hundred Sixteen And Paise Forty Seven Only	29985.84

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
59	Providing and fixing wsh down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1(1-Cement:1-finesand) (Seal and covertobe measured and paid for separately) (A) vitreous China Pattern:(i) in white colour Providing and fixing plastic seat and cover for wash down watercloser with C.P.brasshingess and rubber buffers. (B) Black plastic seal and cover.	3.00	No.	1631.83	Rupees One Thousand Six Hundred Thirty One And Paise Eighty Three Only	4895.49
60	Providing & Fixing Single Hole Wash Basin with C.I or M.S. brackete & M. I . fisher union, P.V.C water pipe with Connection from Stop Cock to Pillar Tap, PVC Bottle Trap with Connection 32mm dia. C.P. brassa waste coupling etc. Complete. Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Wash Basin Shall be as per the Approved Make List of GSPHCL.	31.00	No.	1344.34	Rupees One Thousand Three Hundred Forty Four And Paise Thirty Four Only	41674.54
61	Providing & Fixing Pillar Cock. Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Pillar Cock Shall be as per the Approved Make List of GSPHCL.	1.00	No.	976.73	Rupees Nine Hundred Seventy Six And Paise Seventy Three Only	976.73
62	Providing & Fixing Health flaucet make & Model No As per Approved material list of GSPHCL Incl. with all neccery fitting etc. Complete.	3.00	No.	441.75	Rupees Four Hundred Forty One And Paise Seventy Five Only	1325.25

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
63	Providing & Fixing Stop /Angle COCK 15mm dia make & Model No As per Approved material list of G.S.P.H.C.Ltd Incl. with all neccery fitting etc. Complete.	58.00	No.	665.51	Rupees Six Hundred Sixty Five And Paise Fifty One Only	38599.58
64	Providing & Fixing 32 mm Rigid PVC pipe for Sink out let to Wash NT etc. Complete.	109.00	No.	75.00	Rupees Seventy Five Only	8175.00
65	Providing & Fixing C.P. Brass Waste for Washbasin or Sink (A) 32 mm	64.00	No.	67.24	Rupees Sixty Seven And Paise Twenty Four Only	4303.36
66	Providing & Fixing BIB COCK with wall flange model flora model No Model no as per approved material list of GSPHCL incl.ith all neccery fitting	54.00	No.	990.61	Rupees Nine Hundred Ninety And Paise Sixty One Only	53492.94
67	Providing & Fixing 15mm P.V.C. Bib Tap. Rate inslusive all labour and tools etc. Complete.	336.00	No.	129.15	Rupees One Hundred Twenty Nine And Paise Fifteen Only	43394.40
68	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and watertight precast R.C.C. cover with frame of 300 mm. x 300 mm. size (Inside) with standard weight: (A) square mouth trap 100 mm. x 100 mm. size P trap	16.00	No.	1176.94	Rupees One Thousand One Hundred Seventy Six And Paise Ninety Four Only	18831.04

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
69	Constructing Brick work using common burnt clay Building Brick masonry block in course for under ground inspection chamber and bends with stone of approved quality in cement mortar 1:5 R.C.C top slab with 1:2:4 mix (1cement; 2 coarse sand; 4 graded stone aggregates of 20 mm nominal size) with 8mm dia. Steel at 15cm c/c and providing and fixing 45 x 45 x 5mm angle frame so as to provide of size 450mm x 600mm & fixing precast R.C.C cover of size 60cm x 45cm x7cm foundation concrete 1:5:10 inside plaster 15 mm thick with cement mortar 1:3 finished smooth with floating coat of neat cement on walls and bed concrete etc. comp. Rate are also inclusive of outside plaster 15mm thick in cm 1:3 from top of chamber and all side up to 15cm deep below ground level. (I) Inside dimensions are 455mm X 610mm X 450mm deep for multi purpose pipe line.	11.00	No.	3793.18	Rupees Three Thousand Seven Hundred Ninety Three And Paise Eighteen Only	41724.98
70	Extra over above item for additional depth of 0.1 m or part thereof beyond 450mm depth for brick masonry chamber for (I) 610 x 455	32.00	No.	239.99	Rupees Two Hundred Thirty Nine And Paise Ninety Nine Only	7679.68
71	Repairing of Inspection Chamber Inside Dimension of IC (455mm x 610mm) etc. Complete.	32.00	No.	500.00	Rupees Five Hundred Only	16000.00
72	Providing & Fixing Precast R.C.C Frame with cover 10 Ton (Rubber Mould Finish) inner size 600 x 450mm with all necessary fittings.	47.00	No.	1702.00	Rupees One Thousand Seven Hundred Two Only	79994.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
73	Scrubbing of existing colour and Painting two coats (Excluding priming coat) on previously painted steel and other material surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	1513.00	Sqm	102.75	Rupees One Hundred Two And Paise Seventy Five Only	155460.75
74	Scrubbing of existing colour and Painting two coats (Excluding priming coat) on previously painted wood and wood based surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	3100.00	Sqm	119.48	Rupees One Hundred Nineteen And Paise Forty Eight Only	370388.00
75	Removing dry or oil bound distemper by a washing and scraping and sand papering the Ceiling surface smooth including necessary repairs to scratches Complete	6930.00	Sqm	13.71	Rupees Thirteen And Paise Seventy One Only	95010.30
76	Distempeing (two coats) with oil bound distemper of approved brand and manufacture and of required shade on Ceiling surface to give an even shade, over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly mortar droppings and other foreign matter and also including preparing the surface even including lapi finishing and sand papered smooth.	7500.00	Sqm	87.17	Rupees Eighty Seven And Paise Seventeen Only	653775.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
77	Finishing Ceiling / Slope Surfaces with Plastic Emulsion Paint on Ceiling / Slope Surfaces (Two Coats) to give an Required shape and even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials and finishing smooth etc. complete. Rate are inclusive of Applying Two Coats of Lappy (Putty) and One Coat of Primer on New Wall Surfaces to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. [Paint and Putty should be As per approved make list Of GSPHCL] etc. Complete for ALL FLOORS.	720.00	Sqm	197.55	Rupees One Hundred Ninety Seven And Paise Fifty Five Only	142236.00
78	Removing dry or oil bound distemper by a washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches Complete	31917.00	Sqm	11.97	Rupees Eleven And Paise Ninety Seven Only	382046.49
79	Distempeing (two coats) with oil bound distemper of approved brand and manufacture and of required shade on wall surface to give an even shade, over and including a priming coat with distemper primer of approved brand and manufacture after thoroughly mortar droppings and other foreign matter and also including preparing the surface even including lapi finishing and sand papered smooth.	19055.00	Sqm	78.50	Rupees Seventy Eight And Paise Fifty Only	1495817.50

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
80	Finishing Walls with Plastic Emulsion Paint on Wall Surfaces (Twocoats) to give an Required shape and even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials and finishing smooth etc. complete. Rate are inclusive of Applying Two Coats of Lappy (Putty) and One Coat of Primer on New Wall Surfaces to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. [Paint and Putty should be As per approved make list Of GSPHCL] etc. Complete for ALL FLOORS.	1615.00	Sqm	183.82	Rupees One Hundred Eighty Three And Paise Eighty Two Only	296869.30
81	Finishing walls with Weather Proof Exterior Emulsion Paint on Wall Surfaces (Two Coats) over and above Applying one coat of Primer to give an Required shape and even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc. complete. Primer and Exterior Emulsion Paint shall be used as per approved material list of GSPHCL.	15395.00	Sqm	155.21	Rupees One Hundred Fifty Five And Paise Twenty One Only	2389457.95

[illegible]

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
ELECTRIC WORK						
84 [a]	Providing and erecting Point wiring with approved 1.1 KV Grade ISI mark 2x1.5 mm ² copper FRLS PVC insulated wire with 1.5 mm ² copper FRLS PVC insulated wire for earth continuity in 25/32 white Approved' make press fit casing capping with double locking arrangement with grooves, trunking of size not below 10/12 mm in height IS:14927 ISI Part-II and with Approved make white accessories like inside and outside coupler, elbow, tee junction boxes etc. Also not below 1.8 mm thick duly sealed at joint and 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 wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector (make & model approved by EIC and matching colour with switches accessories) as directed. For Open Wiring. For Light Point. Cat-II [conductor resistance should be as per IS:8130/1984]	90.00	Point	382.00	Rupees Three Hundred Eighty Two Only	34380.00
	[Length of point wiring must not increase than 10 mtr. For that necessary switch board and their location must be finalised before execution by agency otherwise payment will not be done for extra long point. For future extension, if required, agency has to erect one higher size box as per instruction of EIC & Wire must be having box packing].					

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
84 [b]	For Bell Point Cat-II	2.00	Point	382.00	Rupees Three Hundred Eighty Two Only	764.00
84 [c]	For Fan Point (with 6 A. Modular type switch and two module hum free EME Five step type Electronic fan regulator both are with ISI Mark)) Cat.-II	25.00	Point	568.00	Rupees Five Hundred Sixty Eight Only	14200.00
84 [d]	For Separate Point (with 6 Amp. Switch & 3/5 Pin socket both having ISI mark) Cat-II	20.00	Point	410.00	Rupees Four Hundred Ten Only	8200.00
84 [e]	For Loop on switch board (with 6 Amp. Switch & 3/5 Pin socket both having ISI mark) Cat-II	50.00	Point	234.00	Rupees Two Hundred Thirty Four Only	11700.00
85 [a]	Providing & erecting Point wiring with approved ISI marked 1.1 KV grade 2 X 1.5 sq.mm. copper PVC insulated FRLS wire with 1.5 sq.mm. (green) copper PVC insulated FRLS wire for earth continuity in FIA approved ISI mark medium class white colour 20/25 mm dia. embossed rigid PVC pipe with PVC fitting fixed with adhesive solution erected on brick wall along with approved make 5/6 Amp. ISI mark modular type switch and accessories mounted in 20 G. G.I. company fabricated metallic box / PVC / polycarbonet / acrylic Box covered with appropriate front plate modules erected flushed with wall / ceiling with necessary modular lamp holder / modular ceiling rose / HD Connector (make & model approved by EIC and matching colour with switches accessories) as directed for concealed wiring Deep Junction box 75mm depth if required) (a) Light point. Cat.-II (For Open Wiring).	415.00	Point	425.00	Rupees Four Hundred Twenty Five Only	176375.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	[Length of point wiring must not increase than 10 mtr. For that necessary switch board and their location must be finalised before execution by agency otherwise payment will not be done for extra long point. For future extention, if required, agency has to erect one higher size polished wooden box as per instruction of EIC & Wire must be having box packing]. For Light point [conductor resistance should be as per IS:8130/1984]					
85 [b]	For Bell Point Cat.-II	33.00	Point	425.00	Rupees Four Hundred Twenty Five Only	14025.00
85 [c]	For Fan Point (with 6 A. Modular type switch and two module hum free EME Five step type Electronic fan regulator both having ISI mark) Cat.-II	100.00	Point	612.00	Rupees Six Hundred Twelve Only	61200.00
85 [d]	For separate Point (with 6 Amp. Switch & 3/5 pin socket both having ISI mark) Cat.-II	135.00	Point	455.00	Rupees Four Hundred Fifty Five Only	61425.00
85 [e]	For Looped on switch board (with 6 Amp. Switch & 3/5 pin socket both having ISI mark) Cat.-II.	240.00	Point	234.00	Rupees Two Hundred Thirty Four Only	56160.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
86 [a]	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. (e) in existing pipe erected flushed on wall / ceiling complete Cat-II	80.00	Point	340.00	Rupees Three Hundred Forty Only	27200.00
	Necessary sheet / tape / polythene / sand must be erected or filled in all box to prevent mortar going into the box. Length of point wiring must not increase than 10 mtr. For that necessary switch boards and their locations must be finalised before execution by agency otherwise payment will not be done for extra long point. (For future extention, if required, agency has to erect one higher size metal box and modular plate as per instruction of EIC. Cost of blank plate shall be paid as per tender item) [This item include cleaning (inside/outside) of all G.I. switch boards, electric point box, fan box, MCBDB & box cutting plaster finishing for modular plate without any gap] [conductor resistance should be as per IS:8130/1984]					

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
87 [a]	Providing 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.	232.00	Each	124.00	Rupees One Hundred Twenty Four Only	28768.00
87 [b]	(4) TV Co-axial Socket outlet	89.00	Each	139.00	Rupees One Hundred Thirty Nine Only	12371.00
87 [c]	(5) Electronic hum Free steps EME Fan regulator	52.00	Each	338.00	Rupees Three Hundred Thirty Eight Only	17576.00
87 [d]	(7) Blank Plate Single	315.00	Each	16.00	Rupees Sixteen Only	5040.00
87 [e]	(8) Computer RJ-45 socket	26.00	Each	139.00	Rupees One Hundred Thirty Nine Only	3614.00
87 [f]	RJ-11 Telephone Socket (For One Gang) Cat-II	10.00	Each	130.00	Rupees One Hundred Thirty Only	1300.00
87 [g]	(9) 16 Amp. SP one way switch	57.00	Each	130.00	Rupees One Hundred Thirty Only	7410.00
87 [h]	(10) 6/16Amp. Universal socket	129.00	Each	139.00	Rupees One Hundred Thirty Nine Only	17931.00
87 [i]	(11) 6 Amps. Bell Push	52.00	Each	110.00	Rupees One Hundred Ten Only	5720.00
87 [j]	(13) 6A/10A/16A/20A/25A/32A Single pole Modular MCB Switch	39.00	Each	267.00	Rupees Two Hundred Sixty Seven Only	10413.00
87 [k]	(19) Modular Indicating Call Bell	20.00	Each	326.00	Rupees Three Hundred Twenty Six Only	6520.00
87 [l]	(20) Modular Buzzer	20.00	Each	128.00	Rupees One Hundred Twenty Eight Only	2560.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
87 [m]	(22) 16/20/25 Amp. Modular Starter for Motor / A.C. Unit Complete	4.00	Each	394.00	Rupees Three Hundred Ninety Four Only	1576.00
87 [n]	(24) Batten Holder/Angle Holder with modular frame with metal ring. Cat-III	139.00	Each	64.00	Rupees Sixty Four Only	8896.00
88 [a]	Providing and laying Mains with FRLS PVC Insulated wire ISI marked 1.1 KV grade in 25/32 white approved make press fit casing capping with double locking arrangement with Company fabricated metal grooves, trunking of size not below 10/12 mm in height IS:14927 ISI Part-II and with approved make white accessories like inside and outside coupler, elbow, tee, junction boxes etc. Also not below 1.8 mm thick duly sealed at joint with FRLS PVC insulated wire for earth continuity. (Approved ISI make only) [a] 2 x 1.5 sq.mm. FRLS copper multi stranded conductor mains with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. [conductor resistance should be as per IS:8130/1984]	300.00	Mtr.	56.00	Rupees Fifty Six Only	16800.00
88 [b]	2 x 2.5 sq.mm. FRLS copper multi stranded conductor mains with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. [conductor resistance should be as per IS:8130/1984]	20.00	Mtr.	82.00	Rupees Eighty Two Only	1640.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
88 [c]	2 x 4.0 sq.mm. FRLS copper multi stranded conductor mains with 2.5 sq.mm. FRLS copper multi stranded conductor earthing..As per standard colour code. [conductor resistance should be as per IS:8130/1984]	50.00	Mtr	95.00	Rupees Ninety Five Only	4750.00
88 [d]	2 x 6.0 sq.mm. FRLS copper multi stranded conductor mains with 2.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. [conductor resistance should be as per IS:8130/1984]	200.00	Mtr.	135.00	Rupees One Hundred Thirty Five Only	27000.00
89 [a]	Providing and laying Mains with FRLS PVC Insulated wire ISI marked 1.1 KV grade in Existing Pipes to be erected In/on brick wall /Slab with FRLS PVC insulated wire for earth continuity. (Approved ISI make only) [a] 2 x 1.5 sq.mm. FRLS copper multi stranded conductor mains with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code.	250.00	Mtr.	46.00	Rupees Forty Six Only	11500.00
89 [b]	2 x 2.5 sq.mm. FRLS copper multi stranded conductor mains with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code.	150.00	Mtr.	62.00	Rupees Sixty Two Only	9300.00
89 [c]	2 x 6.0 sq.mm. FRLS copper multi stranded conductor mains with 2.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code.	200.00	Mtr.	120.00	Rupees One Hundred Twenty Only	24000.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
90 [a]	Providing and laying Mains with FRLS PVC Insulated wire ISI marked 1.1 KV grade with FIA approved ISI mark medium class 20/25/32 mm dia. embossed rigid PVC pipe with PVC fitting fixed with adhesive solution to be erected on brick wall /Slab with FRLS PVC insulated wire for earth continuity. (Approved ISI make only) [a] 2 x 1.5 sq.mm. FRLS copper multi stranded conductor mains with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code.	1750.00	Mtr.	62.00	Rupees Sixty Two Only	108500.00
90 [b]	2 x 6.0 sq.mm. FRLS copper multi stranded conductor mains with 2.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code.	1350.00	Mtr.	146.00	Rupees One Hundred Forty Six Only	197100.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
91	<p>Providing and erecting Plug Point wiring with approved ISI make 2 x 2.5 sq.mm copper PVC insulated FRLS wire with 1.5 sq.mm (green) copper PVC insulated FRLS wire for earth continuity in 25/32 white approved make press fit casing capping with double locking arrangement with Company fabricated metal grooves, trunking of size not below 10/12 mm in height IS:14927 ISI Part-II and with approved make white accessories like inside and outside coupler, elbow, tee, junction boxes etc. Also not below 1.8 mm thick duly sealed at joint with FRLS PVC insulated wire for earth continuity with 16 Amp. ISI marked flush type modular switch / Socket and accessories erected on PVC / Acrylic box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. For open wiring [a] 16 A.Indicator switch & 1 No. 6/16 A. universal socket combined white colour suitable for 3 pin top duty. Cat.-II. (Conductor resistance should be as per IS:8130/1984)</p>	15.00	Point	624.00	Rupees Six Hundred Twenty Four Only	9360.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
92	Providing and erecting Plug Point wiring with approved ISI make 2 x 2.5 sq.mm copper PVC insulated FRLS wire with 1.5 sq.mm (green) copper PVC insulated FRLS wire for earth continuity in white FIA approved ISI mark medium class 20/25/32 mm dia. embossed rigid PVC pipe with PVC fitting with approved make white accessories with FRLS PVC insulated wire for earth continuity with 16 Amp. ISI marked flush type modular switch / Socket and accessories erected on PVC / Acrylic / polycarbonet box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. For open wiring [a] 16 A.Indicator switch & 1 No. 6/16 A. universal socket combined white colour suitable for 3 pin top dully. Cat.-II. (Conductor resistance should be as per IS:8130/1984)	135.00	Point	678.00	Rupees Six Hundred Seventy Eight Only	91530.00
93 [a]	Providing and erecting 1.5 mm thick FIA approved and ISI mark (embossed) RIGID white Colour PVC PIPES of following size complete erected with necessary PVC fittings & Junction boxes fixed with adhesive solution concealed in wall / slab along with contineous fish wire to draw mains, laid in approved manner with plastering by cement mortar & finishing the surface to match the wall / ceiling. 20 mm dia.	696.67	Mtr.	24.00	Rupees Twenty Four Only	16720.08
93 [b]	25 mm dia.	120.00	Mtr.	33.00	Rupees Thirty Three Only	3960.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
94 [a]	Supplying & erecting UPVC Mini trunking (PVC Casing-n-Capng) having double-locking arrangement with grooves, trunking of size not below 12.5 mm in height as per IS with accessories of PVC/Resin polypropylene not below 1.8 mm thick duly sealed in joint & erected on wall / ceiling of following size. (1) 25 mm	300.00	Mtr.	31.00	Rupees Thirty One Only	9300.00
94 [b]	20 mm dia.	250.00	Mtr.	22.00	Rupees Twenty Two Only	5500.00
94 [c]	32 mm dia.	100.00	Mtr.	36.00	Rupees Thirty Six Only	3600.00
95	Supplying and laying UPVC cable trunking system comprising unplasticised polyvinyl, chloride rigid material with ignition free & flame proof confirming BS .All necessary accessories and measuring of following sizes. [1] 75 mm x 50 mm trunking. [MK, LEGRAND, OBBO make Only]	100.00	Mtr.	275.00	Rupees Two Hundred Seventy Five Only	27500.00
96	Providing & fixing 25 mm. dia. PVC insulated G.I. Corrugated Flexible pipe with necessary socket, PVC bushes, saddle, Check-nuts etc. complete of following sizes.	200.00	Mtr.	37.14	Rupees Thirty Seven And Paise Fourteen Only	7428.00
97	Providing & fixing 20 mm. dia. PVC insulated G.I. Corrugated Flexible pipe with necessary socket, PVC bushes, saddle, Check-nuts etc. complete of following sizes.	50.00	Mtr.	30.95	Rupees Thirty And Paise Ninety Five Only	1547.54

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
98	<p>Providing & Erecting 2.0 mtr long Earthing system by making minimum bore of 225 mm dia in soft soil. Suitable for doing pipe-in-pipe technology earthing. Earthing electric rod must be made from Corrosion free Hot dip galvanizing pipes having following specification.</p> <p>(A) Earthing Electrode: outerpipes:- 88 mm minimum O.D., ISI 'B' Class ISI mark of Reputed Brand, Inner pipe:- 42 mm minimum O.D., Pipe B Class ISI mark reputed Brand Terminal Size: 70mm X 100mm length, Terminal Should be made from inner pipe for that pipe must be pressed and gave rectangular shape so its work as a terminal. The hot deep galvanising must be done after above process. Galvanised thickness must be minimum 75 micron any where. SS Nut bolt:- 2 no. with washer suitable for 14 mm dia. hole must be provided at terminal. total minimum Weight(approx.) of earth electrode with inside conductive material minimum should be 26 kg.</p> <p>(B) Inner chemical (CCM Compound) - Resistivity:- 0.2 ohm/meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphur content:- <2%</p>	25.00	Each	7025.00	Rupees Seven Thousand Twenty Five Only	175625.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<p>(C) Back fill Compound:- Earthing compound should be capable to retain moisture for long time Back Filling Compound weight is 25 Kg.</p> <p>(D) Chamber and cover:- Earthing chamber should be size of 400 mm X 400 mm X 400 mm depth and Cover should be heavy duty cast iron with required size of 300 mm X 300 mm X 4 mm thick.</p> <p>Necessary test report must be submitted.</p> <ol style="list-style-type: none"> 1. Short circuit test by ERDA/ CPRI for 25KA 2. Resistivity test of conducting material from NABL accredited lab. 3. Hot dip galvanised / zinc coating micro test from reputed laboratory. 4. General test report from OEM regarding specification of earthing. <p>[Make and model approved by EIC Strictly subject to item specification only] [OEM has to submit all detail & sample for approved before supplying]</p> <p>[Water must be poured in bore before starting earthing. Earthing value must be measured with earth tester. Agency has to bring the earth resistance to at least 02 ohms & voltage between neutral & Earthing upto 02 volt. Agency has to maintain earthing & its value for one year. Earthing must be done in the presence of A.E. (CSPHCL)]</p>					
99	For Above Earthing Additional charges for boring in hard rock soil (By Breaker) & filling soft soil in earth pit. (Certificate for soil have to given by DEE/AE along with Photographs).	25.00	Each	276.00	Rupees Two Hundred Seventy Six Only	6900.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
100	<p>Supplying and Erecting LED indoor fitting of approximately 4 feet long with LED of wattage 0.2W to 0.5W assemble on single MCPCB with housing use as a heat sink shall be made from Aluminum extrusion having enough strength (sample must be approved by EIC) with polycarbonate diffuser with following specification: (A) Company mark/name on the fitting.(B) Rated input voltage and frequency: 220V to 240 VAC ; 50Hz. (C) Rated input wattage: max. 24w (D) Rated input current : 0.2 Amp, (E) Power Factor : Min. 0.90, (F) ATHD : Max. 15% , (G) Rated Luminous flux: Min. 2420 lm, (H) CCT: 6500K, (I) CRI: Min. 80Ra, (J) Driver Efficiency: Min. 80%, (K) LED life span: Min. 50000 Hrs @ L70, (L) Over Voltage protection: Withstand up to 440V/AC for 4 Hrs., (M) Surge protection : Min. 2KV, (N) IP rating: IP 20, (O) IK rating : IK 02, (P) Short circuit , Open circuit & Reverse Polarity Protection must be provided (Q) Fixing clamp design & strength should be sufficient to hold the fitting erected on wall or ceiling., (R) 3 core copper wire of appropriate size with earthing connector (Note:-The manufacturer/ authorized Channel partner of the manufacturer has to submit 5 yrs free replacement Guarantee for complete Fixture) [Approval will be given strictly subject to item specification]</p>	243.00	Each	370.00	Rupees Three Hundred Seventy Only	89910.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
101	<p>Providing, erecting, testing Ceiling Fan confirming to IS: 374/1979 AMDT No. 1 to 6 Class-I, 50 Hz. Specification of Ceiling Fan must be as per below. (1) Sweep: 1200 mm, (2) Operating Voltage: 180 to 230 V, (3) Power Factor: > 0.9, (4) Power Consumption: maximum 53W, (5) RPM: minimum 330, (6) Service value:min 4.3 m3/min. (7) Class of insulation: 'B', (8) No. of heavy duty premium quality Ball bearing: Two, (9) Total Body: Top & Bottom should be alluminium, (10) Blade: Aluminium approx 1.1 mm thick, (11) Colour: White high grade powder coating, (12) Canopy: Two Nos. Heavy duty, (13) Condenser: min 1.5 MFD (155 Tolerance) as per is 1709-1984, Aluminium body premium quality, Branded make,(14) Down road: up to 1.0 mtr as per site requirment, (15) Required fixing accessories, (16) 3 core 0.50 sq.mm ISI wire as per site requirment, (17) No vibration and noise due to mechanical parts. (Agency has to erect safety wire with ceiling fan and checked with EIC) (OEM has to approved model as per tender specification and tested at ERDA) (Necessary test reports should be submitted strictly at the time of approval. Sample approved by EIC subject to above specification only)</p>	135.00	Each	1929.00	Rupees One Thousand Nine Hundred Twenty Nine Only	260415.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
102	Providing and erecting max. 10 Watt LED battern having main housing aluminium extruded & front cover of polycarbonate. Electrically & photometry parameters are as under : 240V, 50 Hz., System voltage : 10w ± 10% PF ≥ 0.95 , system lumens min. 1000, CCT;3000K to 6500K,CRI≥ 80, THD ≤ 15 % ,Delivery efficiency ≥ 85 %, LM 80 certified LED, 30000 hrs. @ L70, Electronic CC driver, insulated copper wire for internal wiring, IP 20, Operating voltage : 160 to 270 V , surge - 2 KV ,length of this fitting decided by EIC.	72.00	Each	164.00	Rupees One Hundred Sixty Four Only	11808.00
103	Supplying and erecting 8 W 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	245.00	Each	111.00	Rupees One Hundred Eleven Only	27195.00
104	Providing and erecting Polycarbonet body surface mounting LED Bulk head type 9 watt Lighting Fitting with electronic driver having THD < 15%, CRI>80, P.F.0.95 And lumen output from luminaire 720 lm, input voltage range 160-270 V AC, 50 Hz cool white (3000 to 6500 k), inbuilt driver having efficiency ≥80lm/w, -20 deg C to + 60 deg C working temperature, AL frame with Beam Angle 120 deg.	26.00	Each	780.00	Rupees Seven Hundred Eighty Only	20280.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
105	Supplying & Erecting Decorative Ding Dong bell 250 Volt complete erected on existing polished wooden block or in M.S. box with 3 mm thick white ISI mark laminated sheet. [Anchor (Chime model), vision, rider]	35.00	Each	170.00	Rupees One Hundred Seventy Only	5950.00
106	SITC of specified make X color for Cat.-6 Data and Y color for Cat.-6 voice cable to be done in prelaid PVC pipe / raceway, but without the cost of raceway or pipe (the wire is to be drawn from MFD/ JB to outlet point) (a) CAT - 6 (For Computer Cabling and For Voice Cabeling) (Molex / D-Link / Dax make Only)	100.00	Mtr	47.00	Rupees Forty Seven Only	4700.00
107	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular accessories in single board erected on Metal board with 3 mm thick PC (Polycarbonet) / Acrylic sheet erected as directed. 2 no. 6/16 Amp. universal Socket, 2 nos. 16 Amp. indicator switch, 2 nos. 6 Amp. Switch & 2 nos. 6 Amp. 3/5 pin Plug. For Computer power Supply board. Cat.-II	26.00	Each	1023.00	Rupees One Thousand Twenty Three Only	26598.00
108	Providing & erecting following size of TV Co-axial flexible cable comprising inner conductor of solid bare copper insulated with Foam PE & Secondary conductor made of poly - Aluminium film bonded Al. Braids @ suitable coverage overall sheathed with black PVC insulation. [b] RG-6 [Polycab/ Finolex / RR Kabel Make]	50.00	Mtr.	39.00	Rupees Thirty Nine Only	1950.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
109	Providing & Erecting 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. [Make and model approved by EIC Strictly subject to item specification only]	60.00	Mtr.	20.00	Rupees Twenty Only	1200.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
110	<p>Providing ad erecting approved make single phase Double Door metal clad D.B. as per relevant indian standards ammended upto date.</p> <p>Supplying and fixing following way single phase MCB distrubution board of company fabricated sheet box with powder coated inside and outside after apply seven tank chemical process of CRCA sheet cover complete with suitable integral single piece construction tinned copper busbar and link with all necessary interconnection and with necessary size MS frame for mounting MCBDB. MCBDB Door, Back side and Body of MCBDB must be made of 1.2 mm thick CRCA Sheet. Manufacturer must be provided (1) IP 43 and as per IS:8623-1 & 3, IEC 61439-1 & 3 having D type PU gasket. (2) Seven tank Powder coating Certificate (3) Tinned Copper/Brass make neutral & Earthing link with isolation & Protecting Cover for 240 Volts on surface / recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, with suitable size FRLS PVC insulated copper conductor up to terminal blocks and internal connection, tinned copppe bus bar, 1 no. tinned copper neutral link, tinned copper earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc.</p>	41.00	Each	5536.00	Rupees Five Thousand Five Hundred Thirty Six Only	226976.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	Single phase incoming and horizontal single phase outgoing. For 16 Way MCBDB: Including 1 no. 40 Amp. 30 mA double pole ELCB (ELCB confirming to IS:12640/1988 having sensitivity of 30 mA and breaking capacity of 10 KA), 1 no. MCB 40 Amp. double pole switch (C curve confirms to IS:8828 having breaking capacity of 10 KA) and S.P. MCB of rating 6 to 32 Amp. with NL suitable to operate on 240 Volt A.C. power. (6 Amp:- 4 Nos., 16 Amp:- 4 Nos. & 25 Amp: 4 Nos.)					
	(The DBs should be used of same company of MCB / ELCB to be used) (MCBDB must be erected in line & level with spirit level and finish the external edge with box cutting plaster) (Same colour MCB(SP/DP) should be used as same as MCBDB) [Including Necessary numbering / marking on box done with red colour radium sticker as per site requirement and instructions given by EIC on site. Font / number size given by EIC on site as per requirement]					
111	Providing & erecting 240 V MCB double pole switch for motor & inductive load (C Curve) having 10 KA breaking capacity & confirms to IS:8828 in existing box having following capacity. For 40 Amp. Cat.III	133.00	Each	327.00	Rupees Three Hundred Twenty Seven Only	43491.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
112	Supplying & fixing box for housing RCCB + MCB combination made of 18 SWG sheet steel duly powder coated with gasket, dust & vermin proof bakelite shield two earthing terminals for following type of RCCB, RCCB + MCB [a] For 2 pole	133.00	Each	272.00	Rupees Two Hundred Seventy Two Only	36176.00
113	Providing and erecting busbar chamber conforming to IS-375 fabricated from 16 GMS sheet dust & vermin proof having hinged door with rubber gasket and necessary busbar supports with copper busbar having current density not more than 1.6 amp/sqmm (Rated current per Cross Section area) duly wired with colour insulating tape for phase sequence, three phase & neutral Each equal & one meter long suitable for following current capacity with necessary painting mounted on wall or pedestal frame of required size with necessary incoming and outgoing connections with proper size of copper strip/wire with lugs as directed. Suitable for 100 Amp. capacity	5.00	Rn. Mtr.	4378.00	Rupees Four Thousand Three Hundred Seventy Eight Only	21890.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
114	Providing, erecting, fabricating the M.S. structure as per requirement of site as per structure design Including proper size approved by EIC of M.S. angles, flats, bars, square pipe, channels, sections (Tata, Jindal, Asian, JSI Make) complete with cutting, welding, grinding and finishing duly painted with Asian/Nerolac make premium quality oil paint and true care red oxide metal primer,asian paint make with erection on site as per direction of engineer in charge with necessary grouting cementing, plastering and finishing complete. All hole opening of square pipe end must be closed with M.S plate welding. Payment will be done on KG as per Actual weight.	160.00	Kg.	77.00	Rupees Seventy Seven Only	12320.00
115	Supplying & erecting 12 mm thick bakelite sheet of approved make and grade on 25 x 25 x 3 mm red oxide painted angle iron frame suitable for fixing ICDP SWITCH and energy meter (contractor shall make approved drawing of Bakelite sheet To arrange required No. of Energy meter & ICDP switch-busbar etc. as per Actual space available in electrical room at site)	8.00	Sq. Mtr.	2289.00	Rupees Two Thousand Two Hundred Eighty Nine Only	18312.00
116	Providing and erecting metallic vitrified danger notice board as per language suggested by engineer incharge for MEDIUM VOLTAGE installation to be erected as per IS-2551	4.00	Each	69.00	Rupees Sixty Nine Only	276.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
117	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 with Hot Deep Galvanised door having 2 nos. 180° operated hinges & 2 nos. Ln key locking with silicon rubber gasket. Consist of terminal plate of min 6mm Hylam sheet, standard profile 35 mm X 7.5 mm Din-Rail & MCB, Brass stud type terminal and arrangement for cable termination to be erected on RCC foundation as per details given by manufacturer and EIC considering site requirement.	21.00	Each	6917.00	Rupees Six Thousand Nine Hundred Seventeen Only	145257.00
	Foundation Details: (1) Grade of RCC 1:2:4, (2) Grade of steel reinforcement of RCC FE 415, (3) Clear cover to reinforcement 50mm, (4) Concrete vibrated, (5) use suttering / farma, (6) Hot deep galvanized average 70 Micron, (7) Detail drawing will be given by corporation (C) 5 Mtr. Long 70 mm Top X 130 mm bottom dia, 3 mm thickness with 200 mm X 200 mm X 12 mm base plate, 4-M16 Bolts and 600 mm long hot deep galvanized J-Bolt, nuts, washers with 800 mm under ground and 200 mm above ground level and Foundation in 1:2:4 proportion as per details given by manufacturer and EIC considering site requirement. Approx Pole weight 46 kg. (Make:- Bajaj, Valmont, Transrail, Ambica,RR Ispat Only) (Test certificate to be submitted))					

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
118 [a]	Providing & erecting bracket consisting of ISI mark "B" class G.I. Pipe 4.2 cm outside diameter complete with suitable G.I. Sleeve tubing of 2 mm. thick and required size and length suitable for 76.5 / 80 mm. required size of pole top or pipe in pipe surface for terrace as per instruction of EIC or wall bracket as per instruction of EIC having nuts and bolts for fixing the brackets and having spread of 1.0 mtr. length with suitable rise as per site condition and suitable welded stiffner reducer and nipple with check nut complete painted with one coat of yellow zinc and two coats of alluminium paint for Single arm bracket suitable for pole or terrace as per design given by EIC (a) For single arm bracket. (Jindal / Asian / Tata / Surya Prakash make Only) (Fabricators:- Bajaj, Valmont, Transrail, Ambica, RR Ispat Only) (Test certificate to be submitted)	32.00	Each	608.00	Rupees Six Hundred Eight Only	19456.00
118 [b]	For Double Arm Bracket 1 Mtr. (Jindal / Asian / Tata / Surya Prakash make Only) (Fabricators:- Bajaj, Valmont, Transrail, Ambica, RR Ispat Only) (Test certificate to be submitted)	8.00	Each	821.00	Rupees Eight Hundred Twenty One Only	6568.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
119	For Wall & Terrace Street light Bracket: Providing and Fixing of wall and terrace bracket consisting of ISI mark "B" class G.I. Pipe 4.2 cm outside diameter and length suitable for building face for fixing the brackets and having spread of Upto 0.70 mtr. length with suitable degree angle as per site situation suggested by EIC. vertical plane and suitable welded stiffner reducer and nipple with check nut complete painted with one coat of red oxide and two coats of alluminium paint (Zinc Coating before alluminium Paint is mandatory)with . complete with 150*150*2mm thick G.I plate with 4no heavy duty galvanized jasti khila of required size or Single arm bracket (pipe in pipe type) suitable for terrace as per design given by EIC Considering parfait, height ,width and total height of building and type of led fitting. (a) For single arm bracket	17.00	Each	487.00	Rupees Four Hundred Eighty Seven Only	8279.00
120	Supplying and making Coil type earthing, coil made from 8 SWG galvanised iron wire with 50 mm OD and 50 turns (length of turns approx. 200 mm) and having additional continuous streight length of 3.00 mtr at open end and should be connected to earthing bolt and burried in 1.5 mtr deep specially prepared earth pit complete with salt and charcoal/coke as required for coil type earthing.(Approx weight of coil 1.0 to 1.1 Kgs)	42.00	Each	368.00	Rupees Three Hundred Sixty Eight Only	15456.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
121	<p>Providing and Fixing SITC of Outdoor aesthetically designed LED Street Light Luminaire with total consumption of Max. 45 W with single piece die cast aluminium housing, high power LED shall be mounted on high quality metal core PCB with extremely precision designed heat sink complete with IP66 protection Class with polycarbonate / toughened glass cover the fixture should be suitable for pole/bracket mounting. The fixture to comply both LM79 and LM 80 guidelines with LED module min. 130 lumen/watt with toughen Glass L70 at 50,000 hrs, provided with high quality polycarbonate lenses for better light distribution. The Fixture Should be able to be Pole Mounted and also bracket mounted, provided with high quality driver for protection against high and low Voltage cut Off, operational for high ambient and high humid environments, THD of driver should be less than 10% and P.F > 0.95. Also the Fixture should meet the following technical criterias Operating range Voltage 160 to 270 V, system efficiency >= 110 lm/w, and total lumens not less than 4950, CCT > 5000K, CRI > 65, beam angle 120 deg, surge immunity level 4 kv integral & 10 kv non-integral</p>	57.00	Each	3512.00	Rupees Three Thousand Five Hundred Twelve Only	200184.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	The Separate Potted driver should have over current, over voltage protection, short circuit protection so that the fixture recovers once the fault is removed. In addition to the above product should be operational in the temperature range of 0 deg to 50 deg and humidity range of 10% to 90% RH.(Stricly sample approved by EIC subject to tender specification) (Note:- The manufacturer/authorized Channel partner of the manufacturer has to submit 5 yrs free replcement Guarantee for complete Fixture)(Cool White Color/warm white/natural white (approved by engineer incharge)					

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
122	SITC of Outdoor aesthetically designed LED Street Light Luminaire with total consumption of Max. 90 W with single piece die cast aluminium housing, high power LED shall be mounted on high quality metal core PCB with extremely precision designed heat sink, complete with IP66 protection Class, with polycarbonate / toughened glass cover. The fixture should be suitable for pole/bracket mounting. The fixture to comply both LM79 and LM 80 guidelines with LED minimum 130 lumen/watt with toughen glass, L70 at 50,000 hrs, provided with high quality polycarbonate lenses for better light distribution. The Fixture Should be able to be Pole Mounted and also bracket mounted, provided with high quality driver for protection against high and low Voltage cut Off, operational for high ambient and high humid environments, THD of driver should be less than 10% and P.F > 0.95. Also the Fixture should meet the following technical criterias Operating range Voltage 160 to 270 V, system efficiency >= 110 lm/w, and total lumens not less than 9900, CCT > 5000K, CRI > 65, beam angle 120 deg, surge immunity level at least 4 KV Integral & 10 KV Non Integral.	2.00	Each	6117.00	Rupees Six Thousand One Hundred Seventeen Only	12234.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	The Separate Potted driver should have over current, over voltage protection, short circuit protection so that the fixture recovers once the fault is removed. In addition to the above product should be operational in the temperature range of 0 deg to 50 deg and humidity range of 10% to 90% RH. (Note:- The manufacturer/authorized Channel partner of the manufacturer has to submit 5 yrs free replcement Guarantee for complete Fixture)					

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
123	<p>SITC of Outdoor aesthetically designed LED Flood Light Luminaire with total consumption of maximum 90 W with single piece die cast aluminium housing, LED's mounted on high quality metal core based PCB with extremely precision designed heat sink, complete with IP66 protection Class, with polycarbonate / Toughened glass cover. The fixture should be suitable for pole/bracket mounting. The fixture to comply both LM79 and LM 80 guidelines with LED minimum 110 lumen/watt with L70 at 50,000 hrs, provided with high quality polycarbonate Seperate lenses for better light distribution. The Fixture Should be able to be Pole Mounted and also bracket mounted, provided with high quality potted driver for protection against, high and low Voltage cut Off, optional for high ambient and high humid environments, THD of driver should be less than 10% and P.F > 0.95. Also the Fixture should meet the following technical criterias. Operating range Voltage 160 to 270 V, system efficiency > 110 lm/w, CCT > 5000K, CRI >65, beam angle 120 deg, 4kV integral & non integral surge immunity level at least 10 KV non integral... Flood Light lumens shall be more than 9900. (Note:- The manufacturer / authorized Channel partner of the manufacturer has to submit 5yrs free replcement Guarantee for complete Fixture) [Provision in estimate for garden]</p>	2.00	Each	6228.00	Rupees Six Thousand Two Hundred Twenty Eight Only	12456.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
124	supplying & erecting 40 W LED POST TOP LATTERN fitting with high power white LEDs wattage of 1 ww and above assebled on single MCPCB's efficiency more than 130 lumens per watt and corrosion free high pressure diecast alluminium housing with smooth finish powder caoted and heat sink extruded alluminium with difuser and poly carbonate optics/ lences with compny mark / name /engraved or embossed 120 to 300 volt, power factor more than 0.95, THD < 10%, CCT 5000K to 5700K , Uniformity ratio > 0.45, Luminure efficiency Min 110 lumens per watt. LED Driver efficiency > 85%. Cree/osram/philips Lumileds/Nichia /Seoul/Bridge Lux (USA) make LED used for luminare (Each Fitting required LM 79 and LM-80 certificates) (E)Post Top Latern LED Fitting Comprises of 650 MM TOP diameter 120 degree beam angle with 3 Nos supporting ribs proposed for garden & Promenade. maximum 40 WATT, (Note:- The manufacturer/authorized Channel partner of the manufacturer has to submit 5 yrs free replcement Guarantee for complete Fixture)	6.00	Each	4772.00	Rupees Four Thousand Seven Hundred Seventy Two Only	28632.00
125	Providing & erecting XLPE (IS:7098) (I)-88 ISI marked armoured Copper cable for 1100 volt to be laid 90 cms. Under ground or to be laid on wall with suitable G.I. heavy guage 1.0 mm thick cable clamp or in existing DWC pipe underground or road crossing or floor of following size of cables. [a-1] For 4 core x 2.5 sq.mm.	780.00	Mtr.	269.00	Rupees Two Hundred Sixty Nine Only	209820.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
126	Providing & erecting XLPE (IS : 7098) (I)-88 ISI marked armoured Copper cable for 1100 volt to be laid 90 cms. Under ground or to be laid on wall with suitable G.I. heavy guage 1.0 mm thick cable clamp or in existing DWC pipe underground or road crossing or floor of following size of cables. [a-1] For 4 core x 4 sq.mm.	420.00	Mtr.	361.00	Rupees Three Hundred Sixty One Only	151620.00
127	Supplying & Erecting following size of Light duty "A" Class G.I. Pipe & erecting as directed by Engineer-in-charge. For 25 mm dia.	110.00	Mtr.	171.00	Rupees One Hundred Seventy One Only	18810.00
128	Providing & Erecting Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed. 3 core 1.5 sq.mm. PVC insulated round copper wire ISI mark.	350.00	Mtr.	46.00	Rupees Forty Six Only	16100.00
129	Providing and Laying of Mains with ISI marked, 1.1 KV 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 6.00 sq. mm	230.00	Mtr.	56.00	Rupees Fifty Six Only	12880.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
130	Providing and Laying of Mains with ISI marked, 1.1 KV 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. [g] One wire 16.00 sq. mm	350.00	Mtr.	141.00	Rupees One Hundred Forty One Only	49350.00
131	Providing & fixing double compressed heavy duty flange type brass cable gland with rubber ring for P V C insulated armoured cable complete with outgoing tails, insulating tape etc. For following size cables. For 2 to 4 core x 4.0 Sq. mm (Sigma, MCI, Commet Make Only)	160.00	Each	43.00	Rupees Forty Three Only	6880.00
132	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. (H) 300mm x 200mm x 135mm [deep]	26.00	Each	1204.00	Rupees One Thousand Two Hundred Four Only	31304.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
133	Providing & erecting approved make street light / wall mounting junction box compression moulded from SMC (thermoset plastic) vertical sliding cover having locking with square head stud loop in / loop out in built terminal suitable for four core cable, waterproof of I.P. 54 protected with clamp or bolt nut & earth bolt of following size. (A) 200mm x 127mm x 83 mm	13.00	Each	353.00	Rupees Three Hundred Fifty Three Only	4589.00
134	Providing and Fixing Of Solderless crimping type Copper 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 to 6 Sq.mm	663.00	Each	8.00	Rupees Eight Only	5304.00
135	Providing & laying HDPE Double walled corrugated pipes (DWC) (conforming to IS: 16205 (part 24) 2018)) with minimum load required of 450N capacity with anti rodent and ultra violet material properties with necessary connecting accessories of same material at required depth to be laid 90 cms. under ground for laying of cable below ground / road surface for enclosing cable and back filling the same to make ground as per original. (A) For Outer dia. 50 mm and Inner dia. 38 mm.) (Test Certificate to be Submitted)	935.00	Mtr.	117.00	Rupees One Hundred Seventeen Only	109395.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
136	Providing & Erecting Universal Astro 5 KVA intelligent streetlight control system insu with weather proof box for outdoor application. (As per specification attached separately) (Make and model approved by EIC)	5.00	Each	12895.00	Rupees Twelve Thousand Eight Hundred Ninety Five Only	64475.00
137	Painting of street light pole with bracket complete with two coats of Aluminium paint for following size of pole.[b] up to 6 mtr.	21.00	Each	263.00	Rupees Two Hundred Sixty Three Only	5523.00
138	Dismantling the existing pole up to 6 m height with brackets, clamps, insulators, stay from the cement concrete foundation and making the site clear by refilling the pits with excavated materials and bringing it to the ground level.	38.00	Each	183.00	Rupees One Hundred Eighty Three Only	6954.00
139	Providing 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 45 x 45 x 100 cm. Deep in below ground level with plinth of 45 cm x 45 cm (or 45 cm dia x 45 cm) high upper ground level with necessary curing and finishing in approved manner. (for 4 & 6 mtr pole)	21.00	Each	801.00	Rupees Eight Hundred One Only	16821.00
140	Drilling the road without breaking the road surface (Asphalt) for laying of cable for feeding power supply by making up to following size of holes at both ends complete.(A) Up to 100 mm bore dia	60.00	Mtr.	488.00	Rupees Four Hundred Eighty Eight Only	29280.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
141	<p>Providing and erecting open well type horizontal submersible mono block pump set with cast iron body having following specification 3 phase open well horizontal mono block pump set suitable for 310 to 1350 LPM discharge at required head as per plumbing length and vertical & Horizontal head. Agency has to submit the details calculation of head to GSPHCL and get approval of make and model of pump having tender specification with TDS & GA drawing. Suitable for 50/65 mm dia delivery pipe with 10 mtr. necessary Size 3 Core Flat copper flexible cable. (Body: Cast iron / Winding : Copper / stator : Copper / rotor : Copper / shaft : SS / Carbon material test certificate from manufacture shall be submitted).</p> <p>The model of the pump with respect to head and discharge will be approved by EIC.</p> <p>Pump should have following specifications:</p> <p>(1) Minimum 10 mtr. Cu. flat cable of suitable size must be provided with pump.</p> <p>(2) Pump shall be installed as per manufacturer foundation/erection drawing or as per IS specification.</p> <p>(Body full C.I., stator winding- copper, rotor- copper, shaft- SS / carbon material, motor-Energy efficiency)</p>	4.00	Each	18561.00	Rupees Eighteen Thousand Five Hundred Sixty One Only	74244.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
142	Lifting or Lowering of existing submercible motor pump set complete with required No. and size of pipes by means of proper chain pulley block and pipe wrenches. Job includes stacking of pipes cronologically after the checking of threads. [d] For open well horizontal submercible pump set for sump well. (ii) 1 HP to 5 HP	8.00	Each	848.00	Rupees Eight Hundred Forty Eight Only	6784.00
143	Supplying & erecting ISI Marked (Embossed) following size of “B” Class G.I . Pipe & erecting as directed by Engineer-in-charge with necessary plumbing as desired. [f] 50 mm dia.	40.00	Mtr.	260.00	Rupees Two Hundred Sixty Only	10400.00
144	Supplying and erecting ISI maked C.I. Sluice valve at position with necessary material like flange, packing, nuts, washers etc. for following size of pipe diameter. [f] 50 mm(2")	2.00	Each	796.00	Rupees Seven Hundred Ninety Six Only	1592.00
145	Supplying and erecting C.I. Swing check type non-return (reflux) valve ISI marked with packing, flange, nuts and bolts etc.suitable for following pipe size. [C] 50 mm dia.	6.00	Each	1010.00	Rupees One Thousand Ten Only	6060.00

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
146	<p>Supplying and erecting approved make 5 HP DOL type motor control cubical panel made from 16 G. CRCA sheet duly epoxy powder painted inside and outside with hinged doors and locking arrangement Floor Mounting On 300 mm Height with MS Stand Angle & CC Foundation. Size 35 mm (H) x 35 mm (W) x 05 mm (D). The detail specification & quantity of material used are as under.</p> <p>Panel must be with minilec relay for auotmatic change over for pump 1 & 2 logically without using manually change over switch (Minimum Panel Size: 1.10 meter (H) x 1.10 meter (W) x 0.25 meter (D).</p>	2.00	Each	47062.00	Rupees Forty Seven Thousand Sixty Two Only	94124.00
	<p>INCOMMER SECTION: (1) MCCB-30 KA-FP (lcs = 100% Icu), Rating: 63 Amp., Make: LK, Qty: 01 No. (2) Digital Ammeter (SR-65), Rating: 0-60 Amp., Make: Schneider/LK, Qty: 01 No. (3) Ammeter Selector Switch, Rating: 6 Amp., Rotary, Make: Salzer, Qty: 01 No. (4) Digital Voltmeter (SR-65), Rating: 0-500 V, Make: Schneider/LK, Qty: 01 No. (5) Volt Selector Switch, Rating: 6 Amp., Rotary, Make: Salzer, Qty: 01 No. (6) C.T.- Current Transformer, Rating: 60/5 Amp., Make: Virat, Qty: 03 Nos. (7) Indicating Lamps (R,Y,B), Rating: 22.5 mm LED, Make: LK, Qty:03 Nos. (8) SP MCB , Rating: 20 Amp., Make: LK, Qty: 03 Nos. (9) Control Wiring, Rating: 1.0 Sq.mm, Make: Any ISI, Qty: Lot (10) Copper Busbar, Rating: 63A/100 Amp., Qty: Lot (11) Numeric logical relay, Qty: 1 No.</p>					

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	Outgoing Feeder (5 HP DOL Feeder): Qty: 02 Nos. (1) MCB-FP-10 KA, Rating: 20 Amp. , Make: LK , Qty: 02 Nos. (2) Power Contactor (415 V) Main, Rating: 12 Amp., Make: LK , Qty: 02 Nos. (3) Over Load Relay, Rating: 9-15 Amp., Make: LK , Qty: 02 Nos. (4) Digital Ameter (SR-65), Rating: 0-20 Amp., Make: Schneider/LK , Qty: 02 Nos., (5) Digital Voltmeter (SR-65), Rating: 0-500 V, Make: Schneider/LK , Qty: 02 Nos. (6) Indicating Lamps (Start,Run,Trip), Rating: 22.5 mm LED, Make: LK , Qty: 04 Nos. (7) Push Button (Start,Stop), Rating: 22.5 mm, Make: LK , Qty: 02 Nos. (8) SPP, Rating: 415 V, Make: Ellico , Qty: 02 Nos. (9) Terminal, Rating: As per Amp., Make: LK , Qty: 04 Nos. (10) Control Wiring, Rating: 1.0 Sq.mm., Make: Any ISI, Qty: Lot (11) Power Wiring, Rating: As Per Amp., Make: Any ISI, Qty: Lot					
	Outgoing Feeder (6 Amp. - 01 No.) For Capacitor (1) MCB-FP-10 KA, Rating: 6 Amp., Make: LK , Qty: 01 No. (2) Capacitor- MPP Type, Rating: 2 KVA _r , Make: Concap/Subodhan , Qty: 01 No., (3) Power wiring, Rating: As Per Amp., Make: Any ISI, Qty: Lot					
	Outgoing Feeder (32 Amp. - 01 No.) For Lighting (1) MCB-FP-10 KA, Rating: 32 Amp., Make: LK , Qty: 01 No. (2) Power wiring, Rating: As Per Amp. (3) Earthing Strip: 25 x 3; G.I. Strip, Qty: 01 No. (4) MCB-DP-10KA , Rating: 20 A., Make: LK , Qty.:01 Nos.					

Item No.	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
147	Supplying and erecting Water tight M.S.Box of size 20 x 15 x 15 cms. to erect suitable kitkat fuse / MCB to be . erected on polished wooden board inside the box with hinged/sliding door with rubber rings and erected on pole with suitable pole clamp, all duly painted with one coat of red oxide and two coats of paints. (Cost of Fuse / MCB shall be taken extra) [Provision for motors cable joints near sump]	4.00	Each	232.00	Rupees Two Hundred Thirty Two Only	928.00
148	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. [c]3 Core x 4 Sq. mm	30.00	Mtr	145.00	Rupees One Hundred Forty Five Only	4350.00
149	Providing & fixing water proof straight joint in PVC insulated flat flexible copper cable by using insulated material water proofing material and making the joint complete. UP to 10 Sq.mm.	4.00	Each	188.00	Rupees One Hundred Eighty Eight Only	752.00
Total RS.						15473613.94

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Contractor Signature

Exe. Engineer
G. S. P. H. C. Ltd.
Junagadh