

**GUJARAT STATE POLICE HOUSING CORPORATION LTD. JUNAGADH**

Name of Work :

**Construction of Home Guard Office at Una, Dist. Gir Somnath.  
[Including Electrification]**

**:: 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 Rs. **12702962.17**

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
1	Excavation for foundation upto 1.5 M. depth including sorting out and stacking of useful materials and disposing of the excavated stuff of any lead & Lift. <b>[B] Dense or hard Soil</b>	142.50	Cum	163.01	Rupees One Hundred Sixty Three And Paise One Only	23228.93
2	Excavation for foundation upto <b>1.50 Mt.</b> depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto any lead & Lift. <b>[C] Hard Murrum.</b>	242.00	Cum	278.94	Rupees Two Hundred Seventy Eight And Paise Ninety Four Only	67503.48
3	Excavation for foundation upto <b>1.50 Mt.</b> depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto any lead & Lift. <b>[D] Soft Rock</b>	102.00	Cum	286.53	Rupees Two Hundred Eighty Six And Paise Fifty Three Only	29226.06
4	Excavation for foundation From <b>1.50 Mt to 3.00. Mt</b> depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto any lead & Lift. <b>[D] Soft Rock.</b>	117.00	Cum	311.19	Rupees Three Hundred Eleven And Paise Nineteen Only	36409.23
5	Providing and laying cement concrete <b>1:3:6</b> (1-Cement : 3-coarse sand : 6- hand broken stone aggregates 40 mmnominal size) and curing complete including cost of formwork in <b>(A) Foundation and Plinth.</b>	10.70	Cum	3087.20	Rupees Three Thousand Eighty Seven And Paise Twenty Only	33033.04

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
6	Providing and laying CRS Steel reinforcement (Grade Fe-500) for RCC work including cutting,bending,binding and placing in position etc.comp for all floor	20235.00	Kg	80.43	Rupees Eighty And Paise Forty Three Only	1627501.05
7	<b>Providing &amp; laying controlled cement concrete M-250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Foundation Footing</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	44.50	Cum	4767.82	Rupees Four Thousand Seven Hundred Sixty Seven And Paise Eighty Two Only	212167.99
8	<b>Providing &amp; laying controlled cement concrete M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>COLUMNS UP TO PLINTH</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	17.00	Cum	9179.45	Rupees Nine Thousand One Hundred Seventy Nine And Paise Forty Five Only	156050.65
9	Providing & laying Cement Concrete <b>1:4:8</b> ( 1 cement : 4 coarse sand : 8 graded M\C stone aggrigates of 40 mm nominal size) curing complete including cost of formwork in <b>FOUNDATION AND PLINTH.</b>	52.00	Cum	2764.87	Rupees Two Thousand Seven Hundred Sixty Four And Paise Eighty Seven Only	143773.24

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
10	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Plinth Beam</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	22.00	Cum	7438.55	Rupees Seven Thousand Four Hundred Thirty Eight And Paise Fifty Five Only	163648.10
11	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Wall up to Plinth level.</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	19.00	Cum	8271.91	Rupees Eight Thousand Two Hundred Seventy One And Paise Ninety One Only	157166.29
12	Providing and fixing <b>Cast Iron Steps</b> of size 500mm x 150mmx 22.5mm and painting with two coats of Anti-corrosive paint etc. complete.	16.00	No	157.15	Rupees One Hundred Fifty Seven And Paise Fifteen Only	2514.40
13	Providing and laying cement concrete 1:2:4 ( 1 cement ; 4 coarse sand; 8 graded stone aggregate 20mm nominal size) and curing complete including cost of form work in <b>FOUNDATION AND PLINTH.</b>	15.50	Cum	3804.86	Rupees Three Thousand Eight Hundred Four And Paise Eighty Six Only	58975.33
14	<b>Brick work</b> using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm. <b>in foundation and plinth</b> in cement mortar 1:6 (1-cement;6-coarse sand), Conventional bricks. Bricks with frog only shall be used.	81.00	Cum	4302.59	Rupees Four Thousand Three Hundred Two And Paise Fifty Nine Only	348509.79

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
15	<b>HALF BRICK masonry</b> using in common brunt clay building bricks having crusing strength NOt less than 35 kg./sq.cm.in cement mortar 1:4 (1 cement : 4 coarse sand) conventional bricks for <b>Foundation and Plinth</b> .	4.00	Sqm	642.16	Rupees Six Hundred Forty Two And Paise Sixteen Only	2568.64
16	Filling available Soil (Excluding Rock) in foundation and plinth etc. complete.	202.00	Cum	136.11	Rupees One Hundred Thirty Six And Paise Eleven Only	27494.22
17	Filling in foundation and <b>plinth with murrum</b> or selected soil in layers of 20 cm. Thickness including watering, ramming and consolidating etc. complete.	67.00	Cum	304.37	Rupees Three Hundred Four And Paise Thirty Seven Only	20392.79
18	Supplying and Filling in plinth with <b>sand under floors</b> including watering, ramming, consolidation and dressing etc.complete.	37.00	Cum	491.85	Rupees Four Hundred Ninety One And Paise Eighty Five Only	18198.45
19	Applying general insecticide <b>pest control treatment</b> to floors, cup boards etc., including labour, material etc. complete.	95.00	Sqm	40.55	Rupees Forty And Paise Fifty Five Only	3852.25
20	Providing and laying <b>cement concrete 1:5:10</b> ( 1 cement ; 5 coarse sand; 10 hand broken stone aggregate 40mm nominal size) and curing complete including cost of form work in <b>foundation and plinth</b> .	50.00	Cum	2603.71	Rupees Two Thousand Six Hundred Three And Paise Seventy One Only	130185.50

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
21	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Coping</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	7.15	Cum	6238.27	Rupees Six Thousand Two Hundred Thirty Eight And Paise Twenty Seven Only	44603.63
22	Providing & laying controlled cement concrete <b>M- 150</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Grade slab</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	10.00	Cum	4157.41	Rupees Four Thousand One Hundred Fifty Seven And Paise Forty One Only	41574.10
23	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Column</b> for any cross sectional area at <b>Ground Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	10.50	Cum	11073.95	Rupees Eleven Thousand Seventy Three And Paise Ninety Five Only	116276.48

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
24	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Stair Case For All Floors</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	5.00	Cum	8686.28	Rupees Eight Thousand Six Hundred Eighty Six And Paise Twenty Eight Only	43431.40
25	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Beam.</b> for any cross sectional area at <b>Ground Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	12.25	Cum	9293.22	Rupees Nine Thousand Two Hundred Ninety Three And Paise Twenty Two Only	113841.95
26	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in SLAB having thickness of 10 cm. and upto 13 cms.</b> for any cross sectional area at <b>Ground Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	16.00	Cum	8162.56	Rupees Eight Thousand One Hundred Sixty Two And Paise Fifty Six Only	130600.96

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
27	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in SLAB having thickness of 13 cm. and upto 15 cms.</b> for any cross sectional area at <b>Ground Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	12.00	Cum	7735.86	Rupees Seven Thousand Seven Hundred Thirty Five And Paise Eighty Six Only	92830.32
28	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Column</b> for any cross sectional area at <b>FIRST Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	9.00	Cum	11115.50	Rupees Eleven Thousand One Hundred Fifteen And Paise Fifty Only	100039.50
29	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Beam.</b> for any cross sectional area at <b>First Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	9.00	Cum	9334.77	Rupees Nine Thousand Three Hundred Thirty Four And Paise Seventy Seven Only	84012.93

Item No	Description	Qty	Unit	Estimated Rates		Amount
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[1]	[2]	[3]	[4]	[5]a		[6]
30	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in SLAB having thickness of 10 cm. and upto 13 cms.</b> for any cross sectional area at <b>First Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	16.00	Cum	8204.11	Rupees Eight Thousand Two Hundred Four And Paise Eleven Only	131265.76
31	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in SLAB having thickness of 13 cm. and upto 15 cms.</b> for any cross sectional area at <b>First Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	1.00	Cum	7777.41	Rupees Seven Thousand Seven Hundred Seventy Seven And Paise Forty One Only	7777.41
32	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Column</b> for any cross sectional area at <b>Second Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	5.00	Cum	11157.05	Rupees Eleven Thousand One Hundred Fifty Seven And Paise Five Only	55785.25



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				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
33	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Beam.</b> for any cross sectional area at <b>SEcond Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	2.00	Cum	9376.32	Rupees Nine Thousand Three Hundred Seventy Six And Paise Thirty Two Only	18752.64
34	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in SLAB having thickness of 10 cm. and upto 13 cms.</b> for any cross sectional area at <b>Second Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	3.00	Cum	7818.96	Rupees Seven Thousand Eight Hundred Eighteen And Paise Ninety Six Only	23456.88
35	<b>Brick work</b> using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm.in <b>Ground Floor</b> in cement mortar 1:6 (1-cement;6-coarse sand), Conventional bricks.Bricks with frog only shall be used.	62.00	Cum	4594.81	Rupees Four Thousand Five Hundred Ninety Four And Paise Eighty One Only	284878.22
36	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 - oarse sand ) in Ground Floor. (B) Conventional	27.00	Sqm	698.61	Rupees Six Hundred Ninety Eight And Paise Sixty One Only	18862.47

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
37	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>LINTEL</b> for any cross sectional area at <b>GROUND FLOOR</b> .Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	2.20	Cum	8994.70	Rupees Eight Thousand Nine Hundred Ninety Four And Paise Seventy Only	19788.34
38	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>finishing smooth for R.C.C. CHHAJJAS</b> having any thickness up to floor two level including finishing the exposed surface with cement mortar 1:3 ( 1 cement : 3 fine sand) to give a smooth surface for ALL FLOOR. Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	4.50	Cum	9984.72	Rupees Nine Thousand Nine Hundred Eighty Four And Paise Seventy Two Only	44931.24
39	<b>Brick work</b> using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm.in <b>FIRST Floor</b> in cement mortar 1:6 (1-cement;6-coarse sand), Conventional bricks.Bricks with frog only shall be used.	30.00	Cum	4637.81	Rupees Four Thousand Six Hundred Thirty Seven And Paise Eighty One Only	139134.30
40	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 - oarse sand ) in <b>First Floor</b> . (B) Conventional	40.00	Sqm	705.03	Rupees Seven Hundred Five And Paise Three Only	28201.20

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
41	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>LINTEL</b> for any cross sectional area at <b>FIRST FLOOR</b> .Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	2.50	Cum	9036.25	Rupees Nine Thousand Thirty Six And Paise Twenty Five Only	22590.63
42	<b>Brick work</b> using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm.in <b>Second Floor</b> in cement mortar 1:6 (1-cement;6-coarse sand), Conventional bricks.Bricks with frog only shall be used.	27.00	Cum	4680.81	Rupees Four Thousand Six Hundred Eighty And Paise Eighty One Only	126381.87
43	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>LINTEL</b> for any cross sectional area at <b>SECOND FLOOR</b> .Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	0.50	Cum	9077.80	Rupees Nine Thousand Seventy Seven And Paise Eighty Only	4538.90

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
44	Providing and fixing <b>teak wood door frame of size 120mm x 65mm and 40mm thick Teak wood</b> chemically treated & well seasoned shutter with 19mm thick wooden pannels including providing and fixing necessary hold fast 8 Nos. of 20cm. Long, including providing & fixing C.P. Brass fixtures and fastening such as 3 nos of Parliamentary heavey hinges per shutter, aldrep 2 Nos. of size 300mm x 18mm, tower bolt, 2 Nos. of size 200mm x12mm, handle 2 Nos. 150mm long foot stoper 100mm per shutter. Rate are also inclusive of one coat of primer and PU polishing using MRF company material & practice etc. complete as per drawing and specification <b>(FULLY PANELLED WOODEN (Teak Wood) FRAME DOOR SHUTTERS)</b>	4.00	Sqm	7921.46	Rupees Seven Thousand Nine Hundred Twenty One And Paise Forty Six Only	31685.84

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
45	Providing, Supplying and Fixing of 32mm (Total) Thick Single 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 <b>size 120mm x 65mm</b> 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.	3.00	Sqm	8988.19	Rupees Eight Thousand Nine Hundred Eighty Eight And Paise Nineteen Only	26964.57

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	Rates are also Inclusive of all Labors & Proviging 15cm. Long 8 No of Hold Fast (25mm X 5mm) & 4 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 1 No, 250mm x 16mm & Tadi 1 No, (2) Door Stopper 1 No, 100mm Long, (3) Double Leg Heavy Push Door Stopper 1 No & (4) Handle 2 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.					

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
46	Providing, Supplying and Fixing of 32mm (Total) Thick Single 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 <b>size 100mm x 60mm</b> 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.	23.00	Sqm	8411.60	Rupees Eight Thousand Four Hundred Eleven And Paise Sixty Only	193466.80

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	Rates are also Inclusive of all Labors & Proviging 15cm. Long 8 No of Hold Fast (25mm X 5mm) & 4 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 1 No, 250mm x 16mm & Tadi 1 No, (2) Door Stopper 1 No, 100mm Long, (3) Double Leg Heavy Push Door Stopper 1 No & (4) Handle 2 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.					
47	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. [A] 20 mm inner dia.	25.00	Rmt	206.73	Rupees Two Hundred Six And Paise Seventy Three Only	5168.25
48	Providing & fixing to 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 fitting and clamps including of making good the wall ceiling & floor etc. Complete (excavation of earth in trenches and filling will be paid separately)(C) 25mm Dia	21.00	Rmt	251.31	Rupees Two Hundred Fifty One And Paise Thirty One Only	5277.51



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
49	Providing and fixing to wall ceiling and floor 4kg/ cm <sup>2</sup> working pressure I.S.I mark <b>PVC pipe of 160mm dia</b> high density complete with specials flanges, compressor type fitting, wall clipe on wooden patty including making good the, ceiling and floor rain water pipe shall be 160mm dia. PVC horizontal pipe and vertical pipe and 160mm PVC bend at the end near by ground level .	8.00	Rmt	528.15	Rupees Five Hundred Twenty Eight And Paise Fifteen Only	4225.20
50	Providing & Fixing <b>CONCEALED STOP COCK</b> Heavy Duty with Exposed part and other accessories 15mm dia Model no as per approved material list of GSPHCL incl.ith all neccery fitting.	8.00	No	942.54	Rupees Nine Hundred Forty Two And Paise Fifty Four Only	7540.32
51	Providing and Fixing Granite of <b>Telephonic Black Colour 15 to 18mm thick for jambs and sills of doors &amp; windows</b> using neat cement slurry laid over 20 mm average base of cement mortar 1:1 (1 cement:1 Coarse Sand) and jointed with grey cement slurry including racking (Tancha Work) rubbing and polishing, scaffoldings, tools and tackles, scaffolding etc. complete. (with base of neat cement) as per direction of Engineer in charge including rounding the exposed edges as directed etc. Complete for ALL FLOORS.	79.00	Sqm	2428.00	Rupees Two Thousand Four Hundred Twenty Eight Only	191812.00
52	Providing and fixing <b>chicken wire mesh Jali</b> 0.18 mm and 0.18mt wide with necessary screws and nails to joint between R.C.C. column and brick work etc. complete as per Engineer-in-charge.	201.00	Sqm	64.06	Rupees Sixty Four And Paise Six Only	12876.06

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
53	Providing <b>10 mm thick cement PLASTER</b> 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 <b>GROUND FLOOR.</b>	143.00	Sqm	230.60	Rupees Two Hundred Thirty And Paise Sixty Only	32975.80
54	Providing <b>15 mm thick cement PLASTER</b> 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 <b>GROUND FLOOR.</b>	341.00	Sqm	230.95	Rupees Two Hundred Thirty And Paise Ninety Five Only	78753.95
55	Providing <b>10 mm thick cement PLASTER</b> 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 <b>FIRST FLOOR.</b>	110.00	Sqm	258.32	Rupees Two Hundred Fifty Eight And Paise Thirty Two Only	28415.20
56	Providing <b>15 mm thick cement PLASTER</b> 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 <b>FIRST FLOOR.</b>	239.00	Sqm	260.75	Rupees Two Hundred Sixty And Paise Seventy Five Only	62319.25
57	Providing <b>10 mm thick cement PLASTER</b> 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 <b>SECOND FLOOR.</b>	22.00	Sqm	286.04	Rupees Two Hundred Eighty Six And Paise Four Only	6292.88

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
58	Providing <b>15 mm thick cement PLASTER</b> 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 <b>SECOND FLOOR.</b>	134.00	Sqm	290.55	Rupees Two Hundred Ninety And Paise Fifty Five Only	38933.70
59	Providing 20mm thick SAND FACED cement plaster on walls above ground level consisting 12mm thick backing coat of C:M 1:3 (1 cement; 3 sand) and 8mm thick finishing coat of C:M 1:1 (1 cement; 1 sand) etc. complete for any height.[Gutka Plaster only]	764.00	Sqm	355.17	Rupees Three Hundred Fifty Five And Paise Seventeen Only	271349.88
60	Synthetic Texture Plaster with Double Coat Smooth plaster : Providing 20mm thick cement plaster in single coat plastering upto floor two level Outside and finished even and smooth in (i) Cement mortar 1:3 (1-cement : 3-sand) as Base Coat and providing 2-3 mm thick synthetic texture plaster of approved texture (Material Shall be Used as Approved By GSPHCL Only ) including cost of all materials, labour, conveyance, loading and unloading, taxes, royalties, scaffolding, watering etc.complete for any Height as per Drawing and instructions of Engineer -in -Charge.	472.00	Sqm	529.89	Rupees Five Hundred Twenty Nine And Paise Eighty Nine Only	250108.08
61	Providing <b>10 mm thick cement PLASTER</b> 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 with <b>WATER PROFFING material. For All Floors.</b>	245.00	Sqm	226.29	Rupees Two Hundred Twenty Six And Paise Twenty Nine Only	55441.05

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
62	Providing <b>CEMENT VATA</b> (10cm x 10cm) size quarter round in cement mortar (1 : 1) including neat cement finishing, watering etc. Complete.	187.00	Rmt	24.04	Rupees Twenty Four And Paise Four Only	4495.48
63	Providing and laying <b>acrylic base (zycosil)</b> equivalant 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	17.00	Sqm	110.70	Rupees One Hundred Ten And Paise Seventy Only	1881.90
64	P & F to Wall Ceilling and Floor SWR Rain Water pipe as Per IS-13592 of 90mm Dia Complete with Special flings, Compressor type Fittings, Wall clips on wooden patty including making good the ceiling and floor on terrace rain water pipe shall be 90 mm Dia. SWR horizontal pipe and vertical pipe and 90mm bend at the end near by Ground level rate are Inclusive of all Necessary Fittings required and include rate for GI Slotted Z patti ( minimum 1.6 mm thick ) with minimum 6 mm dia. U Clamp with washer for vertical drain / rain water / water supply pipe line instead of wooden patti & PVC clamp. ( for 90 mm dia. Pipe.)	66.00	Rmt	323.15	Rupees Three Hundred Twenty Three And Paise Fifteen Only	21327.90

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
65	Providing and laying integrated cement based water proofing treatment of required thickness over the roof including 10mm thick waterproofing cement plaster in cement plaster in cement mortar 1:3 and chaina mosaic fitting and finally finishing the surface with white cement slurry and slopping out terrace slabs with following specification laid to required slope not flatter than 1:80 ( the thickness of water proofing treatment near rainwater outlet or the lowest point of the finished slope shall not be less than 45mm, including treating the vertical surface of the parapet wall up to 20cms . height above finished level of terracing including finishing the top with joint less water proofing plaster , curing , testing etc. complete. Rate is including ten years performance of guarantee bond to be given on stamp paper. (No extra shall be paid for increase in thickness for proper slope)	126.00	Sqm	905.04	Rupees Nine Hundred Five And Paise Four Only	114035.04
	(A) Applying and grouting a slurry coat of neat cement using 2.75 kg/Sqm. of cement admixed with properly water proofing compound conforming to IS -2645 and 10 mm thick water proofing cement plaster in Cement mortar 1:3 over the R.C.C.slab incl. cleaning the surface before treatment (B) Laying cement concrete using broken brick bats 25mm to 40mm size with 50% of cement mortar 1:4 (1 cement :4 coarse sand ) over 10mm thick water proofing cement plaster in cement mortar 1:3 (1 cement ,3 coarse sand) admixed with proprietary water proofing compound conforming to IS 2645 to required slope and treating similarly the adjoining walls up to 200mm height incl. rounding of junction of walls					

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<p>(C) After Two Days of proper curing applying a second floor of cement slurry</p> <p>(D) Finishing the surface with china mosaic pieces laid on 10mm thick joint less cement plaster of mix 1:3(1 cement :3 coarse sand )admixed with proprietary water proofing compound conforming to IS :2645 and finally finishing the surface with trowel with neat cement slurry</p> <p>(E) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing for final taste</p> <p>All above operation to be done in order and as directed and specified by the Engineer In Charge.</p>					
66	<p>Providing, Fabricating and fixing <b>M.S. GRILL/GATE</b> 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. <b>Structural Steel material should be used ISI marked only.</b></p>	2724.80	Kg	75.30	Rupees Seventy Five And Paise Thirty Only	205177.44
67	<p>Providing and fixing U.PVC/SWR <b>Nahni Trap</b> of the following nominal dia self cleaning design with top tile and strainer including cost of cutting and making good the wall and floors 100mm inlet and 50mm outlet including 150mm x 150mm stainless steel jali.</p>	4.00	No	608.11	Rupees Six Hundred Eight And Paise Eleven Only	2432.44

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
68	Providing and fixing <b>Multi way U.PVC/SWR Nahni Trap</b> of the following nominal dia self cleaning design with top tile and strainer including cost of cutting and making good the wall and floors 100mm inlet and 50mm outlet including 150mm x 150mm stainless steel jali.	4.00	No	1122.26	Rupees One Thousand One Hundred Twenty Two And Paise Twenty Six Only	4489.04
69	Providing and <b>Filling Cinder</b> including watering, consolidation etc. complete.	2.00	Cum	791.69	Rupees Seven Hundred Ninety One And Paise Sixty Nine Only	1583.38
70	Providing and fixing water closet squatting pan ( <b>Orissa type W.C. pan</b> ) 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 .	2.00	No	1354.44	Rupees One Thousand Three Hundred Fifty Four And Paise Forty Four Only	2708.88
71	Providing & Laying ordinary Cement Concrete <b>1:2:4</b> in <b>Foundation and Plinth</b> including finishing smooth and curing complete,excluding cost of formwork and reinforcement. <b>For all Floors.</b>	2.00	Cum	3825.64	Rupees Three Thousand Eight Hundred Twenty Five And Paise Sixty Four Only	7651.28
72	Providing and fixing to wall ceiling and floor <b>U.PVC/S.W.R. soil waste pipe</b> with "O" ring of ISI13592/92, Rate inclusive of all fittings like single or double "Y" with door, reducer, coupler single T with door bend, Pipe fixing with Z patti (Minimum 1.6mm thick) with 6mm Dia U Clamp with washer for Vertical Drain pipe, etc.complete and making good the wall ceiling and floor. <b>(A) 75mm dia</b>	42.00	Rmt	264.97	Rupees Two Hundred Sixty Four And Paise Ninety Seven Only	11128.74

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
73	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, Pipe fixing with Z patti (Minimum 1.6mm thick) with 6mm Dia U Clamp with washer for Vertical Drain pipe, etc.complete and making good the wall ceiling and floor. (B) 110mm dia	30.00	Rmt	495.91	Rupees Four Hundred Ninety Five And Paise Ninety One Only	14877.30
74	Providing and fixing in position PVC COWEL VENT to pipe 75 mm dia directed.	3.00	No	16.47	Rupees Sixteen And Paise Forty Seven Only	49.41
75	Providing and fixing in position PVC COWEL VENT to pipe 110 mm dia directed.	4.00	No	28.16	Rupees Twenty Eight And Paise Sixteen Only	112.64
76	Providing, Supplying and Fixing Single Pipe Bracket System with U Bolt Rubber mounted for Pipe Supporting Clamping System for External Vertical Fixed line with wall distance 3" including nuts, bolts, fastners etc complete as per detailed Specifications and as directed by Engineer in Charge.	48.00	No	182.83	Rupees One Hundred Eighty Two And Paise Eighty Three Only	8775.84
77	Providing and Fixing S4 Channel System (S4 Channel+Profile Bracket + U Bolt Rubber mounted System) for multiple Pipes for External Vertical Fixed line with wall distance 3" including nuts, bolts, fastners etc complete as per detailed Specifications and as directed by Engineer in Charge	48.00	No	421.58	Rupees Four Hundred Twenty One And Paise Fifty Eight Only	20235.84



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
78	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 orfixing on existing flooring by adhesive including dismantaling of existing flooring and material jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. for light shade. For All Floors, 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.	156.00	Sqm	1573.60	Rupees One Thousand Five Hundred Seventy Three And Paise Sixty Only	245481.60
79	Providing and laying 24" x 24" in Skirting riser of steps and dado Double Charge vitrified 8 to 10 mm thick tile over 10 mm thick Cement plaster of cement mortar 1:3 (1 cement: 3 coarse sand) jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. for light shade. For All Floors, 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.	13.00	Sqm	1445.20	Rupees One Thousand Four Hundred Forty Five And Paise Twenty Only	18787.60
80	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 dismantaling of existing flooring and material jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for <b>Anti Skid</b> . size and shade as per approved drawings or as per diection of engineer in charge.	39.00	Sqm	1458.33	Rupees One Thousand Four Hundred Fifty Eight And Paise Thirty Three Only	56874.87

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
81	Providing and laying <b>Ceramic tiles 8mm thick in riser of steps and dado</b> on a bed of 10mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) finishing with white cement slurry.	126.00	Sqm	1543.66	Rupees One Thousand Five Hundred Forty Three And Paise Sixty Six Only	194501.16
82	Providing and laying <b>25mm thick mirror Polished (Dimond Cut)</b> Kota Stone Slab Flooring over 20mm thick base of cement mortar 1:6 ( 1 cement : 6 coarse sand) laid over & jointed with grey cement slurry including rubbing & polishing etc. Complete as Directed By Engineer In Charge For All Floors.	31.00	Sqm	1108.30	Rupees One Thousand One Hundred Eight And Paise Thirty Only	34357.30
83	Providing and Laying <b>25mm Thick Mirror Polished (Dimond Cut) Kota Stone in Riser of steps, skirting Dedo and Pillars</b> on 10mm thick cement mortar 1 : 3 (1-Cement :3-Coarse Sand) and jointed with grey cement slurry mixed with pigment to match shade of slab including Rubbing and Polishing etc. Complete as Directed By Engineer In Charge For All Floors.	3.00	Sqm	1249.40	Rupees One Thousand Two Hundred Forty Nine And Paise Forty Only	3748.20
84	Providing and fixing both side polished machine cut KOTA STONE shelve/ partition 20mm to 25mm thick embaded in to wall at support including racking and finishing smooth the surface including cutting the stone as and where required etc. complete including rounding of exposed edges etc. complete.	29.00	Sqm	793.90	Rupees Seven Hundred Ninety Three And Paise Ninety Only	23023.10

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
85	Providing and laying Granite Slab (18 mm thick) of approved colour & quality & brand, one side polished flooring over 20 mm (average) base of cement mortar 1:6 (1 cement : 6 coarse sand) laid and jointed with grey cement slurry including rubbing, curing including grooving, moulding, nosing of corners and mirror polishing complete.For flooring of steps, stairs with treads & risers etc.	37.00	Sqm	2299.53	Rupees Two Thousand Two Hundred Ninety Nine And Paise Fifty Three Only	85082.61
86	Providing and fixing Granite Shelves of 15 to 18mm thick For Bathroom,wash yard & wash basin with moulding on all sides including making groves in the wall & then making it good as Per instruction given by Engineer in Charge and as per Drawings.	1.00	Sqm	2115.40	Rupees Two Thousand One Hundred Fifteen And Paise Forty Only	2115.40
87	Constructing of cooking platform ( sandwich type ) 68cm width and 80cm high resting on thick sandwiched polish Granite Slab in C.M 1:3 with providing and fixing 25 mm thick rough kota stone at bottom and 20 to 25 mm thick Polish Granite stone ( single piece/ telephonic Black ) top & Vertical and polished granite stone (single piece/ telephonic Black ) 20 to 25mm thick on top & 18mm thick in Vertical with 15mm high machine cut polished granite round moulded Top facia patty including polishing etc . complete as per drawing and specification without stainless steel sink including necessary cutting for sink & making hole for gas pipe and fixing P.V.C bend of 25mm dia. For All Floors	2.00	Rmt	3797.91	Rupees Three Thousand Seven Hundred Ninety Seven And Paise Ninety One Only	7595.82

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
88	Providing and fixing <b>stainless steel ( 304 Grade )</b> 1mm thick Matt / Satin Finish Kitchen sink of over all Minimum size 533mmx 457mm X 203mm deep having bowl Minimum size 470mm x 395mm x 203mm with cement mortar 1:3 etc.complete.Rate including of 32mm dia.C.P.brass waste coupling and 32mm dia.rigid PVC waste pipe upto N.T. <b>S.S.Kitchen Sink</b> Shall be of Nirali, Navkar, Carysil, Krishna make Only	1.00	No	4269.00	Rupees Four Thousand Two Hundred Sixty Nine Only	4269.00
89	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm,@ Wt 1.094 Kg / Rmt, horizontal <b>two track</b> member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt , vertical member of size 61.85 mm x 31.75mm x 1.30 mm @ wt.of 0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, @ Wt. 0.457 Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window. with Locking Arrangement.	32.75	Sqm	1696.73	Rupees One Thousand Six Hundred Ninety Six And Paise Seventy Three Only	55567.91

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
90	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm @ wt.of 0.738 Kg/mt , horizontal <b>Three track</b> member size 92mm x 31.75mm x 1.30mm,@ Wt.1.07 Kg/mt , vertical member of size 92mm x 31.75mm x 1.50mm @ Wt. 1.06 Kg/mt with sliding shutters of horizontal member size 40 mmx18mm x1.29mm @ wt.of 0.456 Kg/mt, vertical member of size 40mm x 18mm x 1.29 mm @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc	18.00	Sqm	1568.27	Rupees One Thousand Five Hundred Sixty Eight And Paise Twenty Seven Only	28228.86
91	Providing and fixing standared extruded of alluminium section of size 63mm x 38.10mm x 1.2mm (Jindal Section :2434, @ Wt. 0.643 Kg/mt) with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	4.00	Sqm	1163.92	Rupees One Thousand One Hundred Sixty Three And Paise Ninety Two Only	4655.68
92	Providing and fixing Solid PVC Flush Door Shutter 24 mm thick,Made from C0-extruded THREE LAYER RIGID PVC foam sheet(singal Extruded) with density not less than 600 kg/cbm outer layer 1 mm thick should be of rigid PVC with density of not less than 1400 kg/cbm.Door should be water proof,Termite proof fire retardant & having good screw holding capacity.providing and fixing 100% Solid Wood Plastic Composite(WPC) Door Frame 90mmX45mm Made from wood plastic composite (Single Extruded Process) material with density 780 kg/cbm.all as per specification drawing as directed by the engineer in charge.	18.00	Sqm	4514.20	Rupees Four Thousand Five Hundred Fourteen And Paise Twenty Only	81255.60

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
93	Providing and Fixing Teak wood door frame patti 40mm x 10mm thick as per detail drawing and as directed by engineer in charge. Rates are inclusive of all material, labour and taxes etc. Complete	33.00	Rmt	71.01	Rupees Seventy One And Paise One Only	2343.33
94	Providing and Fixing WPC door patti 24mm x 6mm thick as per detail drawing and as directed by engineer in charge. Rates are inclusive of all material, labour and taxes etc. Complete.	32.00	Rmt	57.02	Rupees Fifty Seven And Paise Two Only	1824.64
95	Supplying, installation testing and commissioning of the 'C' class MS Pipe as per IS1239 for underground installation with welded connection with tapering connecting pieces, short or long bends, specials like sockets, union nuts, elbows, plugs, tees etc. complete to make the system operative as required by LFA, the pipes will have to be laid and fixed in trenches. The scope shall also include excavation, backfilling of soil, providing, warpping and coating of pypkote (corrosion protection tape) with overlap of 15 to 20 mm) etc. complete. The scope shall also include hydraulic testing at 1.5 times working pressure before wrapping & coating <b>[B] 100 mm dia.</b>	74.00	Rmt	2562.73	Rupees Two Thousand Five Hundred Sixty Two And Paise Seventy Three Only	189642.02

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
96	Supply, installation testing and commissioning of the following MS 'C' class pipe as per IS1239 / 3589 with welded / flanged / screwed joints and with clamps,hangers, brackets / pipe supports as required including MS pipe of shorter lengths, tapering connecting pieces, short or long bends, couplers, unions, elbows, reducers, plugs, tees, etc. complete to make the system operative.The pipes will have to be suspended from PEB members / ceilings or fixed on wall as shown in drawings with anchor fastners. The work shall include making holes in structural member/ brick or RCC walls, slabs/ roofs and making good the damages by bringing to the original condition and painting two coats of approved shade(Post office red)of enamel paint over a coat of approved primer for over ground / overheads pipes.(Riser & Basement piping) <b>[C] 80 mm dia.</b>	10.00	Rmt	1652.39	Rupees One Thousand Six Hundred Fifty Two And Paise Thirty Nine Only	16523.90

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
97	Supply, installation testing and commissioning of the following MS 'C' class pipe as per IS1239 / 3589 with welded / flanged / screwed joints and with clamps,hangers, brackets / pipe supports as required including MS pipe of shorter lengths, tapering connecting pieces, short or long bends, couplers, unions, elbows, reducers, plugs, tees, etc. complete to make the system operative.The pipes will have to be suspended from PEB members / ceilings or fixed on wall as shown in drawings with anchor fastners. The work shall include making holes in structural member/ brick or RCC walls, slabs/ roofs and making good the damages by bringing to the original condition and painting two coats of approved shade(Post office red)of enamel paint over a coat of approved primer for over ground / overheads pipes.(Riser & Basement piping) <b>[G] 25 mm dia.</b>	10.00	Rmt	744.00	Rupees Seven Hundred Forty Four Only	7440.00
98	Providing and fixing of <b>CI Butterflay valve</b> ISI marked with gunmetalworking parts with stainless steel spindel with necessary jointinh materials filing etc. complete as directed. <b>[B] 100 mm dia.</b>	1.00	No	5845.97	Rupees Five Thousand Eight Hundred Forty Five And Paise Ninety Seven Only	5845.97
99	Providing and fixing of <b>CI Butterflay valve</b> ISI marked with gunmetalworking parts with stainless steel spindel with necessary jointinh materials filing etc. complete as directed. <b>[C] 80 mm dia.</b>	1.00	No	4368.46	Rupees Four Thousand Three Hundred Sixty Eight And Paise Forty Six Only	4368.46



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
100	Providing, fixing, testing and commissioning of <b>non-return valve</b> of following sizes conforming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc. as required, <b>[B] 100 mm dia.</b>	1.00	No	9688.87	Rupees Nine Thousand Six Hundred Eighty Eight And Paise Eighty Seven Only	9688.87
101	Providing, fixing, testing and commissioning of <b>non-return valve</b> of following sizes conforming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc. as required, <b>[C] 80 mm dia.</b>	1.00	No	6743.74	Rupees Six Thousand Seven Hundred Forty Three And Paise Seventy Four Only	6743.74
102	Providing, fixing, testing and commissioning of <b>Gun metal /SS single headed</b> ISI marked oblique pattern hydrant landing valves as per IS:5290 with <b>80mm dia flanged inlet and 63mm dia female outlet</b> complete with gun metal cap.	2.00	No	7646.00	Rupees Seven Thousand Six Hundred Forty Six Only	15292.00
103	Providing, fixing, testing and commissioning of Standard <b>Gun /SS metal</b> branch pipe with nozzle of <b>20 mm</b> nominal bore <b>63 mm dia coupling.</b>	2.00	No	1648.00	Rupees One Thousand Six Hundred Forty Eight Only	3296.00
104	Providing and fixing 63 mm dia reinforced rubber lined RRL RRL fire hose of approved grand conforming to IS 636 type A having brushing pressure of 37.20 Kg/cm <sup>2</sup> and 2 Nos of ISI marked of 15 mtr length fitting with necessary gun metal 63 mm delivered hose pipe with 63 mm dia. Male and female gun metal couplings duly binded with GI wire, rivets etc. conforming to IS 636 (type-A) as required.	2.00	No	5202.00	Rupees Five Thousand Two Hundred Two Only	10404.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
105	Providing, fixing, testing and commissioning of Weather proof standard fire hose cabinet having single opening with M.S. Fabricated Stand, necessary locking arrangement by allan key suitable for housing 2 nos. hose pipe, 1No Branch pipe & nozzle spaner.	2.00	No	3453.00	Rupees Three Thousand Four Hundred Fifty Three Only	6906.00
106	Providing & fixing orifice plate on fire hydrant valve including jointing materials having suitable base for reducing the pressure hydrant outlet etc as directed.	2.00	No	1321.00	Rupees One Thousand Three Hundred Twenty One Only	2642.00
107	Supplying and fixing First Aid hose reel with MS construction spray painted in post office red, conforming to IS 884 with upto date amendments, complete with the following as required. 30m long 25mm (nominal internal) dia water hose thermoplastic (textile rainforced) type-2 as per IS: 12585 25mm (nominal internal) dia S.S.Shut up valve & nozzle. Drum and brackets for fixing the equipments on wall. Connections from riser with stop valve (GM) & M.S. pipe.	2.00	No	7606.61	Rupees Seven Thousand Six Hundred Six And Paise Sixty One Only	15213.22
108	Providing & erecting connection of siemens connection with necessary fitting at our required place of the fire hydrant system as directed. Gate connection	1.00	No	5911.14	Rupees Five Thousand Nine Hundred Eleven And Paise Fourteen Only	5911.14
109	Supply, Installation, Testing & commissioning of 25 mm dia gun metal ISI mark Gate Valve with 15 mm dia nipple as complete as directed.	4.00	No	1097.50	Rupees One Thousand Ninety Seven And Paise Fifty Only	4390.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
110	providing & fixing emergency escape signes printed on rigid PVC sheet / acrylic sheet 4 mm thick photoluminescent auto glow type of approved quality including fixing on door, wall, celling complete with installation as directed. For Escape & Fire Sign.	432.00	Sq.in.ch	9.39	Rupees Nine And Paise Thirty Nine Only	4056.48
111	Supplying and applying Fiire-Retardant Primer (Base Coat) and Fire-Retardant paint (Top Coat) on Existing steel and metal surfaces / Doors, ensuring fire resistance for up to 2 hours as per NBC Guidelines, The work includes through surface preparation by cleaning, Oiling, Removing dirt, Rust and foreign matter using brushes, steel wool, scrapers and sandpaper for enhanced adhesion, The primer providescorrosion resistance and a bonding layer, while the top coat forms an intumescent barrier against fire and thermal exposure, Theapplication shall be carried out using a brush, roller, or spray in multiple coats to achieve the requireddry film thickness (DFT). The rate are includesmaterial, labour, tools, equipments and all necessary safety precautions, ensuring compliance with NBC 2016 Code.	5.00	Sqm	593.00	Rupees Five Hundred Ninety Three Only	2965.00
112	Providing and fixing fire-resistance Barrier in Duct openings at Slab level with fire Stop Sealent, having minimum 2-hour fire rating in Compliance with NBC 2016 Code.	2.00	Sqm	16625.00	Rupees Sixteen Thousand Six Hundred Twenty Five Only	33250.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
113	Getting provisional NOC and Final NOC and Renewal of NOC (During Defect Liability Period) for Fire Hydrant, Sprinkler system, Fire Extinguisher, Fire alarm system etc. from local fire authority or any other relevant statutory authority at initial stage and required various other stages of construction work, including preparation of reports/drawings as per fire authority requirement. Rate also includes renewal of Fire NOC during defect liability period as per requirement. Main agency has to give demonstration of all fire system to fire officer police / concern beneficiaries & GSPHCL.	1.00	Job	16950.00	Rupees Sixteen Thousand Nine Hundred Fifty Only	16950.00
	Agency has to submit FDR of approved bank as per clause 2.0, section 3, of Rs 20000.00 Or Quoted rate which ever is higher to GSPHCL for minimum maturity period of Four years in favour of GSPHC, which will be released after Successful Submitting of All Fire NOC at the completion of defect liability period. Renewal Fire N.O.C. shall be submitted final S.D. proposal. Agency has to borne charges like preparing and submission of all the documents, Photographs, CD/DVD required together N.O.C. from concern fire department and also liaisoning work with concern departments. Main civil agency has to get the pre-NOC from fire & emergency department well before starting civil & the fire hydrant work including sump & pump room work. For that professional & experience fire agency has to prepare drawing of fire hydrant system, sprinkler system, fire alarm system,					

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	DGset etc. as per tender item and making floor layout of all fire pump panel, cable earthing etc in pump room. If any changes required in drawings of sump & pump room. Main agency has to inform in written before excavation of pump & sump room. Agency has to calculate the total head & discharge required as per NBC / local fire office requirement and as per site situation and submit fire pump OEM specification curve foundation detail etc & get approval of cable, panel drawings & specification.					
	After completion of firehydraunt related work as perpre-NOC, tender specification & drawing approved by fire department, agency has to do site visit with fire department & give the testing & demonstration to fire officer & get the final NOC before handingover of the building. Agency has to give livetesting & demonstration of all system to GSPHCL & police department jointly.For fire NOC fee separate item is taken in tender. Agency has to quote the rate as per latest Gazette in respective tender item.					
114	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and disposing on the road side slope as directed up to 50 m lead.	105.00	Cum	113.49	Rupees One Hundred Thirteen And Paise Forty Nine Only	11916.45
115	Construction of Granular Sub base by Providing Couarse graded material Spreading in uniform Layers With motor grader on prepared surface mixing by mix in place method with rotavator at OMC and Compacting with Vibratory roller to achieve the desired density complete as per table 400-2	30.00	Cum	1339.01	Rupees One Thousand Three Hundred Thirty Nine And Paise One Only	40170.30

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
116	Supplying of graded stone aggregate of following sizes (for W.B.M. Road) (3) Crushed stone aggregate for Hard Quality up to 63mm size.	23.00	Cum	1362.57	Rupees One Thousand Three Hundred Sixty Two And Paise Fifty Seven Only	31339.11
117	Spreading the stone aggregate for soling and W.B.M incl. filling the interstices forming the surface to required camber and gradient (ii)40 mm to 63 mm .Size aggregate M/c.	23.00	Cum	272.01	Rupees Two Hundred Seventy Two And Paise One Only	6256.23
118	Supplying of murum on W.B.M surface etc. complete	6.00	Cum	308.00	Rupees Three Hundred Eight Only	1848.00
119	Spreading bludge or road crust filling the gaps in metal and leveling to camber and gradient as directed .(i)Murrum	6.00	Cum	160.61	Rupees One Hundred Sixty And Paise Sixty One Only	963.66
120	Rolling & consolidation water bound macadam (except laterite and kankar) including watering not exceeding 150mm thk. (Main layer incl. binding materials) including filling in depression which occurs during the process. (B)with Power roller exceeding 8 tonne and not exceeding 12 tonne.	887.00	Sqm	16.47	Rupees Sixteen And Paise Forty Seven Only	14608.89

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
121	Construction Of Concrete Road Using Trimix System Having of any Thickness M-300 Concrete Mix With Providing And Fixing & Removing Of "C" Channel Having Size 75Mm. X75Mm As Per Required Level Slope And Thickness Of Concrete Road Floor Levelling Of Place Concrete With Surface Vibrator Machine,Dewatering System Device Finishing With Power Floater Machine And Trowel Light Brooming On The Surface As Directed With Providing Expansion Joint Size 20 X 190Mm. Using Of Concrete Cutter Machine Including Curing Etc. Complete.	70.00	Cum	4684.92	Rupees Four Thousand Six Hundred Eighty Four And Paise Ninety Two Only	327944.40
122	Providing and fixing CAPCELL HD 100 pre- moulded compressible filler board in black colour confirming to MORT&H Specifications (Clause 1015). having minimum density 95kg/cum.metre, non-staining with less than 1% water absorption & compression recovery of 93% minimum as per specification for 20 mm wide expansion joint including cutting to required size and shape at all levels etc. complete as directed.	4.00	Sqm	795.27	Rupees Seven Hundred Ninety Five And Paise Twenty Seven Only	3181.08
123	Providing and fixing 25 mm diameter backup rod having minimum density 22 kg per cum (ASTMD - 3575) & compression strength of 0.40 kg per Sqm (ASTM 5249) and finishing with polysulphide sealant etc. complete. For 20 mm wide expansion joint	72.00	Rmt	17.62	Rupees Seventeen And Paise Sixty Two Only	1268.64
124	Providing Groove cutting in C.C. Road incluing cleaning etc.complete as per direction of Engineer incharge	100.00	Rmt	36.80	Rupees Thirty Six And Paise Eighty Only	3680.00
125	Provoding pre-moulded ashphalt filler joints as per drawings (A)12mm	6.00	Sqm	696.56	Rupees Six Hundred Ninety Six And Paise Fifty Six Only	4179.36

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
126	Providing and fixing concealed or open 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 with Z patti (Minimum 1.6mm thick) with 6mm Dia U Clamp with washer for Vertical water supply pipe. Pipe shall be concealed or open as mention in tender description. Pipe shall be as per approved make of GSPHCL make list [E] 40mm Dia	83.00	Rmt	443.29	Rupees Four Hundred Forty Three And Paise Twenty Nine Only	36793.07
127	Providing and fixing concealed or open 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 with Z patti (Minimum 1.6mm thick) with 6mm Dia U Clamp with washer for Vertical water supply pipe. Pipe shall be concealed or open as mention in tender description. Pipe shall be as per approved make of GSPHCL make list (excavation of earth in trenches and filling will be paid separately) [F] 50mm Dia	165.00	Rmt	654.04	Rupees Six Hundred Fifty Four And Paise Four Only	107916.60
128	Providing & fixing in position ISI marked Rotational moulded Polyethylene double layer cylindrical vertical storage tank (IS : 12701) water tank size including making 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 oli painting outside the tank etc.complete.	14000.00	Liters	3.91	Rupees Three And Paise Ninety One Only	54740.00



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
129	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 25 mm dia.	2.00	No	416.47	Rupees Four Hundred Sixteen And Paise Forty Seven Only	832.94
130	Providing and lowering laying and jointing in position C.I. D/F. <b>Sluice valves</b> of following class and diameter incl. all taxes, insurance, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to departmental stores stacking etc. complete (A1) PN-1 with hand wheel /cap operated (P.D. type short Body) [(A1) <b>[2] 50mm Dia</b>	1.00	No	3055.00	Rupees Three Thousand Fifty Five Only	3055.00
131	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 40 mm dia.	2.00	No	656.86	Rupees Six Hundred Fifty Six And Paise Eighty Six Only	1313.72
132	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 50 mm dia.	2.00	No	2302.33	Rupees Two Thousand Three Hundred Two And Paise Thirty Three Only	4604.66
133	Providing and fixing SW gully trap with out CI grating brick masonry chamber and water tight CI cover with frame of 300*300mm size inside with standard weight (I) Square mouth traps ©150*100mm size P or R type	5.00	No	1176.94	Rupees One Thousand One Hundred Seventy Six And Paise Ninety Four Only	5884.70
134	Providing and fixing G.I.Rain <b>Water Spout of 50mm Dia. and 30Cm Length</b>	2.00	No	100.90	Rupees One Hundred And Paise Ninety Only	201.80

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
135	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35 kg/Cm <sup>2</sup> in C.M.1:5 R.C.C. top slab with 1:2:4 mix (1-cement:2-coarse sand:4-graded aggregate 20mm size ) with 8mm dia TMT steel at 15 cm c/c both ways and providing and fixing precast R.C.C. Cover size 0.60 x 0.45 x 0.07m with M.S. angle frame. of 40 x 40 x 5mm foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete rate are also inclusive of outside plaster 15mm thick in C.M.1:3 from top of chamber and all side upto 15cm deep below ground level. (i) Inside dimension 455mm x 610mm and 450mm deep for single or multi proposed pipe line.	16.00	No	3793.18	Rupees Three Thousand Seven Hundred Ninety Three And Paise Eighteen Only	60690.88
136	Extra over above Item for additional depth 0.10 mt. Or part there of beyond 450 mm depth for brick masonry chamber for 455mm x 610mm size.	15.00	No	239.99	Rupees Two Hundred Thirty Nine And Paise Ninety Nine Only	3599.85
137	Constructing <b>BRICK masonry road gully chamber</b> 500mm x 450mm x 600mm including 500mm x 450mm C.I. horizontal grating with frame complete.	2.00	No	1997.22	Rupees One Thousand Nine Hundred Ninety Seven And Paise Twenty Two Only	3994.44

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
138	Providing, supplying and Fixing Corrugated DWC HDPE Pipes of Class SN8 Structured Wall polyethelene Piping systems (Pipe with online/offline coupler and elastomeric sealing ring) with non-smooth External Annular Corrugated and Smooth Internal Surfaces (Double Wall) for non-pressure underground Sewerage & Drainage application as per EN:13476-3 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores etc. complete. <b>(100mm ID Dia)</b> Including Lowering, laying and jointing of class SN 8 structured wall ( External Annular Corrugated & Smooth Internal surface) Polyethylene Piping and fittings with the help of coupler ( on line / off line ) attached with one end of	10.00	Rmt	229.00	Rupees Two Hundred Twenty Nine Only	2290.00
	pipes sliding over the elastomeric sealing rubber ring placed on the specified valley of the corrugation at the spigot end, lowering the same into the trench, laying on the lower bedding (constructed at bottom of trenches) at prescribed gradient,depth & alignment ,testing the water tightness of the joints, ensuring the continuity tests of specified pipe segments etc. complete as per drawing,specifications & detailed engineering, including carriage of pipes & fittings from site stacks to the place of laying etc. as per direction of Engineer-in-charge.					

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
139	Providing, supplying and Fixing Corrugated DWC HDPE Pipes of Class SN8 Structured Wall polyethelene Piping systems (Pipe with online/offline coupler and elastomeric sealing ring) with non-smooth External Annular Corrugated and Smooth Internal Surfaces (Double Wall) for non-pressure underground Sewerage & Drainage application as per EN:13476-3 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores etc. complete. <b>(150mm ID Dia)</b> Including Lowering, laying and jointing of class SN 8 structured wall ( External Annular Corrugated & Smooth Internal surface) Polyethylene Piping and fittings with the help of coupler ( on line / off line ) attached with one end of	55.00	Rmt	396.00	Rupees Three Hundred Ninety Six Only	21780.00
	pipes sliding over the elastomeric sealing rubber ring placed on the specified valley of the corrugation at the spigot end, lowering the same into the trench, laying on the lower bedding (constructed at bottom of trenches) at prescribed gradient,depth & alignment ,testing the water tightness of the joints, ensuring the continuity tests of specified pipe segments etc. complete as per drawing,specifications & detailed engineering, including carriage of pipes & fittings from site stacks to the place of laying etc. as per direction of Engineer-in-charge.					
140	Providing & Laying (to level & slopes) and jointing reinforced concrete light duty,non pressure pipes I.S. class NP/2 of 150mm dia. With collars and butt ends prepared for collar joints including testing of joint etc.complete	49.00	Rmt	254.65	Rupees Two Hundred Fifty Four And Paise Sixty Five Only	12477.85

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
141	Providing & Fixing Precaste R.C.C.Frame with Cover MD 10 Ton (Rubber Mould Finish) inner size 600 x 450mm with All Neccery Fittings.	13.00	No	1702.00	Rupees One Thousand Seven Hundred Two Only	22126.00
142	Job Work of Geohydrological ground water investigation including water sample chemical analysis including Pin-Point survey. [with Veichel Charges]	1.00	Job	16000.00	Rupees Sixteen Thousand Only	16000.00
143	Drilling of 215mm dia bore hole in over burden strata by DTH rig upto required depth including fixing 200mm dia PVC pipe further drilling of 165mm dia bore hole in soft / hard rock by DTH drilling method upto total depth 150mtr. ( 0 to 150mtr).	180.00	Rmt	264.00	Rupees Two Hundred Sixty Four Only	47520.00
144	Supplying, jointing and Lowering 200mm dia size of PVC 10Kg./ Sq.cm pipe of approved quality at site including jointing materials etc. completed as directed by Engineer In Charge.	40.00	Rmt	1472.00	Rupees One Thousand Four Hundred Seventy Two Only	58880.00
145	Supplying of bore plug of made from 5mm thick M.S. plate with 3 holes at equal distance on circumference for nut bolt and locking arrangements.	1.00	No	1433.00	Rupees One Thousand Four Hundred Thirty Three Only	1433.00
146	Providing and fixing 200mm dia PVC cap.	1.00	No	640.00	Rupees Six Hundred Forty Only	640.00
147	Pumping test of the Bore well by submersible pump of adequate capacity & with necessary pumping machinery & pipe line running minimum for 20 hours including submission of Bore chart & discharge of Bore.	1.00	Job	16500.00	Rupees Sixteen Thousand Five Hundred Only	16500.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
148	Providing and fixing pre-cast concrete Kerb Stone of grey Cement based concrete block 30cm length,30cm height and 15cm thick of M-250 grade concrete as per approved design and including excavation for fixing in proper line and level , filling the joint with CM 1:3 ( 1 cement : 3 fine sand ) etc complete.	185.00	Rmt	371.21	Rupees Three Hundred Seventy One And Paise Twenty One Only	68673.85
149	Providing and fixing pre-cast Rubber Dye inter locking concrete block 60mm thick with grade of concrete M-300 pneumatic compressed by mechanically pressed and as per approved design including 75mm sand layer for levelling and filling the joint with sand in proper line and level etc. complele.	391.00	Sqm	701.15	Rupees Seven Hundred One And Paise Fifteen Only	274149.65
150	Steel work, welded in built up sections framed work includig cutting, hoisting, fixing in position and paint. (A) In Beams and joints, channels angles Tees, flats, with connectiog plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like. Structural Steel material should be used ISI marked only.	43.00	Quntl	9018.30	Rupees Nine Thousand Eighteen And Paise Thirty Only	387786.90
151	Providing and <b>Corrugated JSW Pre coated sheet</b> roofing fixing with galvanised iron J or L hooks, Bolts and nuts 8mm Diameter with bitumen and G. I. Limpet washer or G. I. Limpet washer with white lead complete excluding the cost of Purlins, Rafter and trusses. (0.60mm thick)	66.00	Sqm	984.37	Rupees Nine Hundred Eighty Four And Paise Thirty Seven Only	64968.42
152	Provinding & Laying Lawn for Landscaping including watering & All Labours	585.00	Sqm	150.00	Rupees One Hundred Fifty Only	87750.00
153	Providing & Laying Tree plantation including providing and fixing tree guard. Rate also inclusive of maintaining the tree plant in live condition at the time of completion of work. Rate are including providing necessary tree guard.	100.00	No	600.00	Rupees Six Hundred Only	60000.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
154	Finishing Ceiling / Slope Surfaces with <b>Plastic Emulsion Paint on Ceiling / Slope Surfaces (Two Coats)</b> 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. Rate are inclusive of Applying Two Coats of Lappy (Putty) and One Coat of Primer on New celing / slope Surfaces to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. <b>Fine Putty Primer and Plastic Emulsion Paint Shall be</b> used as per approved material list by GSPHC.	276.00	Sqm	197.55	Rupees One Hundred Ninety Seven And Paise Fifty Five Only	54523.80
155	Finishing wall with <b>Plastic Emulsion Paint on wall Surfaces (Two Coats)</b> 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. 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. <b>Putty, Primer and Plastic Emulsion Paint Shall be</b> used as per approved material list by GSPHC.	716.00	Sqm	183.82	Rupees One Hundred Eighty Three And Paise Eighty Two Only	131615.12

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
156	Finishing walls with <b>Weather Proof Exterior Emulsion Paint on Wall Surfaces (Two Coats)</b> 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. <b>Primer and Exterior Emulsion Paint shall be used</b> as per approved material list of GSPHCL.	1214.00	Sqm	155.21	Rupees One Hundred Fifty Five And Paise Twenty One Only	188424.94
157	Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint, brushing, interior to give an even shade including cleaning the surface an even shade including cleanich the surface of all dirt, dust and other foreign matter.	58.00	Sqm	95.63	Rupees Ninety Five And Paise Sixty Three Only	5546.54
158	Providing & Fixing <b>Wall Hung</b> with PVC Flush Tank, Soft Seat Cover & intergal "P" or "S" Trap including Jointing the Trap with Pan and Soil pipe. Wall hung shall be fixed on S.S heavy duty rack bolt having 16mm dia, 165mm length using Plastic sleeve Make by Using Drill Bitt Only. Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complet as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge.The Model & Make of Wall Hung & Flush tank Shall be as per the Approved Make List of G.S.P.H.C.L.	6.00	No	5470.90	Rupees Five Thousand Four Hundred Seventy And Paise Ninety Only	32825.40
159	Providing & Fixing <b>Health Faucets (ABS Body)</b> . Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complet as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Health Faucets Shall be as per the Approved Make List of G.S.P.H.C.L.	6.00	No	565.51	Rupees Five Hundred Sixty Five And Paise Fifty One Only	3393.06



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
160	Providing & Fixing Single Hole <b>Wash Basin</b> 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.	6.00	No	3935.33	Rupees Three Thousand Nine Hundred Thirty Five And Paise Thirty Three Only	23611.98
161	Providing and Fixing Urinal with P.V.C.water pipe,32mm dia C.P. Brass waste coupling with connection 32mm dia waste pipe etc complete Rate are inclusive of all materials labour and necessary fittings etc complete as per Detialed drawings,Specifications and as per the instruction of Engineer In charge. The model & Make of Urinal shall be as per approved make list of GSPHCL.	4.00	No	2098.98	Rupees Two Thousand Ninety Eight And Paise Ninety Eight Only	8395.92
162	Providing & Fixing <b>STOP COCK /Angle Cock</b> with wall flange. Rate are inclusive of all materials, Labour and Necessary fittings etc. complete,as per Instruction of EIC. The Model Make of Angle Cock Shall be as per the approved material list of GSPHCL.	13.00	No	665.51	Rupees Six Hundred Sixty Five And Paise Fifty One Only	8651.63
163	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	8.00	No	990.61	Rupees Nine Hundred Ninety And Paise Sixty One Only	7924.88
164	Providing & Fixing Two way BIB COCK 15 mm dia & Model no as per approved material list of GSPHCL incl.ith all neccery fitting	6.00	No	1309.39	Rupees One Thousand Three Hundred Nine And Paise Thirty Nine Only	7856.34

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
165	Providing & Fixing Sink Cock with Extended Swivel Sout (Wall Mounted-SWAN NECK TYPE) 15mm dia model flora model no F280026 make hind ware with all neccery fitting	1.00	No	1330.32	Rupees One Thousand Three Hundred Thirty And Paise Thirty Two Only	1330.32
166	Providing and fixing 600mm x 450mm bevelled edge <b>Mirror</b> or superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixed to wooden plugs with C.P. brass screw and washers.	6.00	No	850.90	Rupees Eight Hundred Fifty And Paise Ninety Only	5105.40
167	Providing & Fixing Towel Rod. 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 Towel Rod Shall be as per the Approved Make List of GSPHCL.	4.00	No	1078.70	Rupees One Thousand Seventy Eight And Paise Seventy Only	4314.80
168	Providing & Fixing Towel Ring. 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 Towel Ring Shall be as per the Approved Make List of GSPHCL.	6.00	No	909.08	Rupees Nine Hundred Nine And Paise Eight Only	5454.48
169	Providing & Fixing <b>SHOWER WITH ARMS</b> Model no as per approved material list of GSPHCL incl.ith all neccery fitting	3.00	No	931.79	Rupees Nine Hundred Thirty One And Paise Seventy Nine Only	2795.37
170	Providing and fixing <b>SS Cloth Hanger (5 Hook)</b> as per detail Drawing & as directed Engineer In charge, Rate ar inclusive of all material, Labour,Taxes (Samrat Brand)	9.00	No	249.85	Rupees Two Hundred Forty Nine And Paise Eighty Five Only	2248.65

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
171	Pro and Making 3 nos of groove total length of stair case tread of size 10mm x 10mm finishind smooth in parallel line.equality spaced as per direction of engineer in charge in all type of flooring etc complete.	65.00	Rmt	82.80	Rupees Eighty Two And Paise Eighty Only	5382.00
172	Moulding of Kota stone / Granite Stair Tread complete as per direction of Engineer In Charge.	65.00	Rmt	129.95	Rupees One Hundred Twenty Nine And Paise Ninety Five Only	8446.75
173	SS Railing Providing & fixing of stainless steel 304 grade pipe raiilling 0.90 mt Height. Top round pipe (Baluster) of 2" dia vertical Balustrade 1.5" x 1.5" at every max.0.90mt c/c and intermediate 3 No runners pipe midrail of 1" Dia and SS base plate of 100 x 8mm. The railing system shall be floor mounted with anchor fastener and base plate of 100mm size having 8mm thickness completed as per detailed drawing & as directed by engineer in Charge. Rate are inclusive of all material, labour, taxes & polishing. <b>Only 16 gauge Stainless Steel Material should be used.</b>	16.00	Rmt	3143.43	Rupees Three Thousand One Hundred Forty Three And Paise Forty Three Only	50294.88
174	Providing & Fixing Stainless Steel logo size 28" x 21.88" Printed on 3 M Vinayl with SS Plate size of 5ft x 3Ft and 1mm thick having chamfer edge rates are inclusive of all labour, scaffolding, material,finishing etc complete as per drawing or as directed by Engineer in charge	1.00	No	49946.21	Rupees Forty Nine Thousand Nine Hundred Forty Six And Paise Twenty One Only	49946.21
175	Providing & Fixing hydraulic door closer of approved size and made such as EVERITE/ HYPER/ EGL/ GODREG or equivalent as directed. All lift, level and leads. Godrej model No C071	7.00	No	1585.00	Rupees One Thousand Five Hundred Eighty Five Only	11095.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
176	Pro and fixing 3mm thick acrylic sheet with Vinyl letter colour-2073 Dark Grey for Back ground and colour-2199 white letter with rrequired screws etc. as per Required sizes complete etc. as per specification & Instruction of Engineer In Charge.	1.50	Sqm	7193.89	Rupees Seven Thousand One Hundred Ninety Three And Paise Eighty Nine Only	10790.84
177	P & F stainless steel Letters 32.50cm Height and 4.5cm wide with spraying colour on surface etc. complete as Directed. [For 13" inch height]	34.00	No	1139.48	Rupees One Thousand One Hundred Thirty Nine And Paise Forty Eight Only	38742.32
178	Providing I.S.I. mark 7 levers three keys brass <b>pad lock</b> of Navtal ( Godrej) make 65mm dia on completion Project..	12.00	No	243.64	Rupees Two Hundred Forty Three And Paise Sixty Four Only	2923.68

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
179A	<b>Providing &amp; erecting Point wiring</b> 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 in/on brick wall / slab along with continuous G.I. fish wire to draw wires and laid in approved manner zari for PVC pipe and boxes shall be filled with cement mortar and finishing the surface to match the wall / ceiling complete with approved make 5/6 Amp. ISI mark modular type switch and accessories mounted in <b>20 G. G.I. company fabricated metallic box</b> 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) <b>(a) Light point. Cat.-III</b>	100.00	Point	445.00	Rupees Four Hundred Forty Five Only	44500.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	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) [Wire must be having box packing] [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 B14 without any gap] [conductor resistance should be as per IS:8130/1984]					
179B	<b>For Bell Point Cat.-III</b>	2.00	Point	445.00	Rupees Four Hundred Forty Five Only	890.00
179C	<b>For Secondary Point Cat.-III</b>	2.00	Point	150.00	Rupees One Hundred Fifty Only	300.00
179D	<b>For Fan Point</b> (with 6 A. Modular type switch and two module hum free EME Five step type Electronic fan regulator both having ISI mark) Cat.-III	20.00	Point	623.00	Rupees Six Hundred Twenty Three Only	12460.00
179E	<b>For separate Point</b> (with 6 Amp. Switch & 5 pin socket both are with ISI Mark) Cat.-III	15.00	Point	469.00	Rupees Four Hundred Sixty Nine Only	7035.00
179F	<b>For Looped on switch board</b> (with 6 Amp. Switch & 5 pin socket both are with ISI Mark) Cat.-III	35.00	Point	239.00	Rupees Two Hundred Thirty Nine Only	8365.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
180A	Providing and erecting 1.5 mm thick FIA approved and ISI mark (embossed) <b>RIGID white Colour PVC PIPES</b> of following size complete erected with necessary PVC fittings & Junction boxes fixed with adhesive solution concealed in wall / slab along with continuous fish wire to draw mains, laid in approved manner with plastering by cement mortar & finishing the surface to match the wall / ceiling. <b>20 mm dia.</b>	250.00	Mtr.	23.00	Rupees Twenty Three Only	5750.00
180B	<b>25 mm dia.</b>	80.00	Mtr.	32.00	Rupees Thirty Two Only	2560.00
180C	<b>32 mm dia.</b>	49.00	Mtr.	52.00	Rupees Fifty Two Only	2548.00
181A	Providing and laying <b>Mains with FRLS PVC Insulated wire</b> 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/in brick wall / slab along with continuous G. I. fish wire to draw mains laid in approved manner with plastering by cement mortar & finishing the surface to match the wall / ceiling complete with FRLS PVC insulated wire for earth continuity. (Approved ISI make only) <b>[a] 2 x 1.5 sq.mm. FRLS copper multi stranded conductor mains</b> with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. <b>[conductor resistance should be as per IS:8130/1984]</b>	350.00	Mtr.	59.00	Rupees Fifty Nine Only	20650.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
181B	<b>2 x 2.5 sq.mm. FRLS copper multi stranded conductor mains</b> 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]	200.00	Mtr.	78.00	Rupees Seventy Eight Only	15600.00
181C	<b>2 x 10.0 sq.mm. FRLS copper multi stranded conductor mains</b> with <b>4.0 sq.mm. FRLS</b> copper multi stranded conductor for earthing as per standard colour code. [conductor resistance should be as per IS:8130/1984]	150.00	Mtr.	223.00	Rupees Two Hundred Twenty Three Only	33450.00
181D	<b>2 x 4.0 sq.mm. FRLS copper multi stranded conductor mains</b> 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]	80.00	Mtr	106.00	Rupees One Hundred Six Only	8480.00
181E	<b>4 x 10.0 sq.mm. FRLS copper multi stranded conductor mains</b> with <b>4.0 sq.mm. FRLS</b> copper multi stranded conductor for earthing..As per standard colour code. [conductor resistance should be as per IS:8130/1984]	50.00	Mtr.	401.00	Rupees Four Hundred One Only	20050.00
182	Providing & fixing <b>20 mm. dia. PVC insulated G.I.</b> 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
183	Providing & fixing <b>25 mm. dia. PVC insulated G.I.</b> Corrugated Flexible pipe with necessary socket, PVC bushes, saddle, Check-nuts etc. complete of following sizes.	50.00	Mtr.	37.14	Rupees Thirty Seven And Paise Fourteen Only	1856.88



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
184	Providing and fixing <b>Plug Point wiring</b> with 1.1 KV grade ISI marked approved make <b>2 x 2.5 sq.mm copper PVC insulated FRLS wire</b> with 1.5 sq.mm (green) copper PVC insulated FRLS wire for earth continuity in FIA approved ISI mark white colour medium class 20/25 mm dia. embossed rigid PVC pipe with PVC fitting fixed with adhesive solution erected in wall/slab along with continuous G. I. fish wire to draw wires and laid in approved manner zari for PVC pipe & boxes shall be filled with cement mortar & finishing the surface to match the wall / ceiling complete with 16 Amp Modular type Swich and accessories mounted in 20 G. GI company fabricated metallic box covered with appropriate front plate modules erected flushed with wall. <b>(a) 16 Amp. Indicator switch &amp; 1 No. 6/16 A universal socket white colour suitable for 3 pin top duly both having ISI mark.</b> (Necessary sheet / tape / polythene / sand must be erected or filled in all box To Prevent Mortor Going In To The Box) (Conductor resistance should be as per IS:8130/1984) <b>Cat.-III</b>	8.00	Each	691.00	Rupees Six Hundred Ninety One Only	5528.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
185	<b>Providing and fixing Plug Point</b> wiring with approved ISI marked 1.1 kv 2 x 4.0 sq.mm copper PVC insulated FRLS wire with 2.5 sq.mm (green) copper PVC insulated FRLS wire for earth continuity in FIA approved ISI mark white colour medium class 20/25 mm dia. embossed rigid PVC pipe with PVC fitting fixed with adhesive solution erected in wall/slab along with continuous G.I. fish wire to draw wires and laid in approved manner. zari for PVC pipe & boxes shall be filled with cement mortar & finishing the surface to match the wall / ceiling complete with <b>1 No. 25 Amp. Modular type Single pole MCB Swich and 1 no. 25 Amp. universal 3 pin socket suitable for 3 pin top duty.</b> [Both Having ISI mark must] mounted in 20 G. G.I. company fabricated metallic box covered with appropriate front plate modules erected flushed with wall. Above accessories will be erected combined or separately as per site requirement and instruction of EIC. (Necessary Sheet Must Be Erected On All Box To Prevent Mortar Going Into The Box) (Conductor resistance should be as per IS:8130/1984) <b>(Geyser point) Cat.-III. (Conductor resistance should be as per IS:8130/1984)</b>	1.00	Each	932.00	Rupees Nine Hundred Thirty Two Only	932.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
186	<b>Providing and fixing Plug Point</b> wiring with approved ISI marked 1.1 kv 2 x 4.0 sq.mm copper PVC insulated FRLS wire with 2.5 sq.mm (green) copper PVC insulated FRLS wire for earth continuity in FIA approved ISI mark white colour medium class 20/25 mm dia. embossed rigid PVC pipe with PVC fitting fixed with adhesive solution erected in wall/slab along with continuous G.I. fish wire to draw wires and laid in approved manner. zari for PVC pipe & boxes shall be filled with cement mortar & finishing the surface to match the wall / ceiling complete with <b>1 No. 25 Amp. Modular type Single pole MCB Switch and 1 no. 25 Amp. universal 3 pin socket suitable for 3 pin top duty.</b> [Both Having ISI mark must] mounted in 20 G. G.I. company fabricated metallic box covered with appropriate front plate modules erected flushed with wall. Above accessories will be erected combined or separately as per site requirement and instruction of EIC. (Necessary Sheet Must Be Erected On All Box To Prevent Mortar Going Into The Box) (Conductor resistance should be as per IS:8130/1984) <b>(AC point) Cat.-III. (Conductor resistance should be as per IS:8130/1984)</b>	5.00	Point	810.00	Rupees Eight Hundred Ten Only	4050.00
187	Providing and erecting <b>modular type accessories</b> mounted on 20G G.I. company fabricated galvanised metal box covered with appropriate front plate modules erected flushed with wall/Ceiling with <b>1 Nos. of 16 Amp SP indicator Switch &amp; 3 Nos. of 6 Amp 3/5 pin plug. [For TV Switch board] Cat.-III</b>	2.00	Each	600.00	Rupees Six Hundred Only	1200.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
188A	Providing and erecting following type of Modular Type Accessories mounted with 20 G G.I. company fabricated metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer in charge. <b>Blank plate single CAT-III</b>	100.00	Each	24.00	Rupees Twenty Four Only	2400.00
188B	TV Co-axial Socket outlet <b>CAT-III</b>	2.00	Each	152.00	Rupees One Hundred Fifty Two Only	304.00
189	Providing & erecting following size of <b>TV Co-axial flexible cable</b> 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>[b] RG-6</b> [Polycab/ Finolex / RR Kabel Make]	80.00	Mtr	37.00	Rupees Thirty Seven Only	2960.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
190	<p>Providing &amp; Erecting <b>2.0 mtr. long Earthing system</b> 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: outer Pipe: - 88 mm minimum O.D., 'B' Class ISI mark of Reputed Brand, Inner pipe: - 42 mm minimum O.D., Pipe B Class ISI mark reputed Brand. Terminal Size: 70 mm X 100 mm 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 anywhere. SS Nut bolt:- 2 nos. with washer suitable for 14 mm dia. hole must be provided at terminal. Total minimum Weight (approx.) of earth electrode with inside conductive material be 26 kg.</p> <p>(B) Inner chemical (CCM Compound):- Resistivity:- 0.2 ohm/meter testing as per IEC 62561-2017, Voltage drop:- &lt; 1 volt at no load &amp; dry form, Sulphur content:- &lt;2%</p> <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><b>(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.</b></p>	6.00	Each	7025.00	Rupees Seven Thousand Twenty Five Only	42150.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<p>Necessary test report must be submitted.</p> <p>1. Short circuit test by ERDA/ CPRI for 25KA</p> <p>2. Resistivity test of conducting material from NABL accredited lab.</p> <p>3. Hot dip galvanised / zinc coating micro test from reputed laboratory.</p> <p>4. General test report from OEM regarding specification of earthing.</p> <p>[Make and model approved by EIC Strictly subject to item specification only] [OEM has to submit all detail &amp; 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 &amp; voltage between neutral &amp; Earthing upto 02 volt. Agency has to maintain earthing &amp; its value for one year. Earthing must be done in the presence of A.E. (GSPHCL)]</p>					
191	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).	6.00	Each	276.00	Rupees Two Hundred Seventy Six Only	1656.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
192	Supplying & erecting approved make <b>street light box</b> comprising SMC Processed robust housing made FRLSom single sheet multi folded with high grade powder coating (RAL-7032 Structure finish as Standard) of IP-55 degree of Protection Gasket (PU Gasketing) of following size of Box. [i] <b>300 mm X 100 mm X 100 mm [make and model approved by EIC strictly as per tender specification]</b>	1.00	Each	890.00	Rupees Eight Hundred Ninety Only	890.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
193	<p>Supplying and Erecting LED indoor fitting of approximately 4 feet long with LED of watt age 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:</p> <p>(A) Company mark/name on the fitting.</p> <p>(B) Rated input voltage and frequency: 220V to 240 VAC ; 50Hz.</p> <p>(C) Rated input wattage: max. 24w</p> <p>(D) Rated input current : 0.2 Amp,</p> <p>(E) Power Factor : Min. 0.90,</p> <p>(F) ATHD : Max. 15%,</p> <p>(G) Rated Luminous flux: Min. 2420 lm,</p> <p>(H) CCT: 6500K,</p> <p>(I) CRI: Min. 80Ra,</p> <p>(J) Driver Efficiency: Min. 80%,</p> <p>(K) LED life span: Min. 50000 Hrs @ L70,</p> <p>(L) Over Voltage protection: Withstand up to 440V/AC for 4 Hrs.,</p> <p>(M) Surge protection : Min. 2KV,</p> <p>(N) IP rating: IP 20,</p> <p>(O) IK rating : IK 02</p>	45.00	Each	370.00	Rupees Three Hundred Seventy Only	16650.00



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	(P) Short circuit , Open circuit & Reverse Polarity Protection must be provided (Q) Fixing clamp design & strength should be suf icient 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]					
194	SITC of Indoor Commercial Recess / Surface mounted (IP20) <b>24 W Cool/Warm white Color LED Down lighter</b> office Lighting Luminaire with separate potted driver with single piece pressure die cast aluminium alloy housing with corrosion resistant powder coated finish with PMMA/PS/Injection moulded Polycarbonate diffuser with high brightness LED complete (only from Philips Lumileds, CREE, Nichia, Bridgelux, Seoul & Osram) CRI > 80, with 24 W. The LED's should be mounted on BACKELITE metal core PCB for better heat conduction and long life of LED. The Fixture should comply all International Standarad third party (LM 79 for complete fixture, LM80 for individual LED). The Fixture have protection like miswiring, over voltage, over load, wrong wiring, THD < 15%,, P.F > 0.95, efficiency ≥ 90 lm/w & driver efficiency > 85%. For 24 W fixture wide voltage range from 160 V to 270 V, 50/60 HZ @ 240V application, 2 KV surge protection.	20.00	Each	751.00	Rupees Seven Hundred Fifty One Only	15020.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	The fixture must have min. 2160 lumen light output. The fixture should be provided with external separate Potted driver, latest Valid BIS approved Luminaire and driver. The Fixture efficiency $\geq 90$ lumens/watt only for safety and performance. (L70 @ 30,000 Hrs.) The fixture should be able to easily mount on POP / Grid false ceiling. The Luminaire should be tested as per IP 20 and following test reports should be submitted at the time of approval: heat resistant test, thermal test, Ingress protection test, drop test, Photobiological report with 3 core X 1.0 Sq.mm. flexible wire as per site requirement [Note:-The manufacturer / authorized Channel partner of the manufacturer has to submit 5 yrs. free replacement Guarantee for complete Fixture]					
195	SITC of Indoor Commercial Recess / Surface mounted (IP20) <b>18 W Cool/Warm white Color LED Down lighter</b> office Lighting Luminaire with separate potted driver with single piece pressure die cast aluminium alloy housing with corrosion resistant powder coated finish with PMMA/PS/Injection moulded Polycarbonate diffuser with high brightness LED complete CRI > 80, with <b>18 W</b> . The LED's should be mounted on metal core PCB for better heat conduction and long life of LED. The Fixture should comply all International Standard third party (LM 79 for complete fixture, LM80 for individual LED). The Fixture have protection like miswiring, over voltage, over load, wrong wiring, THD < 15%, P.F > 0.95, efficacy > 90 lm/w & driver efficiency > 85%. For 24 W fixture wide voltage range from 160 V to 270 V, 50/60 HZ @ 240V application, 2 KV surge protection.	15.00	Each	584.00	Rupees Five Hundred Eighty Four Only	8760.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	The fixture must have min. <b>1620 lumen</b> light output. The fixture should be provided with external separate Potted driver, latest Valid BIS approved Luminaire and driver. The Fixture efficacy > 90 lumens/watt only for safety and performance. (L70 @ 30,000 Hrs.) The fixture should be able to easily mount on POP / Grid false ceiling. The Luminaire should be tested as per IP 20 and following test reports should be submitted at the time of approval: heat resistant test, thermal test, Ingress protection test, drop test, Photobiological report with 3 core X 1.0 Sq.mm. flexible wire as per site requirement [Note:-The manufacturer / authorized Channel partner of the manufacturer has to submit 5 yrs. free replacement Guarantee for complete Fixture]					
196	Supplying & Erecting <b>Decorative Ding Dong bell</b> Stereo type 250 Volt complete erected on existing polished wooden block or in M.S. box with 3mm thick white ISI mark laminated sheet. <b>[Anchor (Chime model), vision, rider Make]</b>	1.00	Each	170.00	Rupees One Hundred Seventy Only	170.00
197	Supplying and erecting Electronic type Cordless Call Bell erected on PVC/Metal board having portable bell push working on DC & bell on 230V AC Supply with cells/battery.	1.00	Each	236.00	Rupees Two Hundred Thirty Six Only	236.00
198	Supplying and erecting <b>8 W LED</b> 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	15.00	Each	111.00	Rupees One Hundred Eleven Only	1665.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
199	Providing and erecting max. <b>10 watt LED battarn</b> having main housing aluminium extruded & front cover of polycarbonate. Electrically & photometry parameters are as undr: 240 V, 50 Hz, System wattage 10 w $\pm$ 10 %, PF $\geq$ 0.95, system lumens min. 1000, CCT- 3000K to 6500K, CRI $\geq$ 80, THD $\leq$ 15%, delivery efficiency $\geq$ 85%, LM80 Certified LED, 30000 hrs. @ L70, Electronic CC driver, insulated copper wire for internal wiring, IP20, operating voltage: 160 to 270 V, Surge - 2 KV, Length of fitting should be 2 Feet. Luminair efficiency >858 lumens/watt driver efficiency >85% efficiency required LM 79 LM 80 certificate)	4.00	Each	309.00	Rupees Three Hundred Nine Only	1236.00
200	Providing and erecting polycarbonate body surface mounting <b>LED Bulk head</b> 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 $\geq$ 80lm/w, -20 deg C to + 60 deg C working temperature, AL frame with Beam Angle 120 deg.	4.00	Each	780.00	Rupees Seven Hundred Eighty Only	3120.00
201	Supplying & erecting approved make <b>low noise Decorative exhaust fan</b> having size 200 mm with 1350 RPM with round / square frame ABS/metalic body with Grill / inbuilt lowers. (make & model approved by EIC as per specification)	6.00	Each	1687.00	Rupees One Thousand Six Hundred Eighty Seven Only	10122.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
202	Supplying & erecting single phase approved make industrial exhaust fan suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM [C] 380 mm dia 1400 RPM (Make and model subject to tender specification. Agency has to approved model before purchasing)	1.00	Each	2034.00	Rupees Two Thousand Thirty Four Only	2034.00
203	Supply, Installation, Testing and Commissioning of suitable sweep, <b>BEE 5 Star rated, Ceiling fan with Brush Less Direct Current (BLDC)</b> permanent ferrite magnet Motor, class of insulation: B, Rust free 3 nos.Aluminium blades, 2 nos. canopies, shackle kit with earthing provision, copper winding, Power factor not < 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM,230v (tolerance as per IS : 374-2019), THD < 10%, compitible with electronic regulator unit for Speed Control and all remaining accessories including safety pin, nut bolts, washers, temperature rise = 75 degree C (Max.), suitable for 140 to 285 Voltage and rectifier circuit with surge, over current and overload protection , 50 Hz, Single phase AC Supply, earthing etc. Complete as required and 3 core 0.50 sq.mm ISI wire as per site requirment.(Agency has to erect safety wire with ceiling fan and checked with EIC) (Necessary test reports should be submitted strictly at the time of approval. Sample approved by EIC subject to above specification only) <b>(A) 1200 mm Sweep (48")</b>	20.00	Each	2603.00	Rupees Two Thousand Six Hundred Three Only	52060.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
204	Supplying & Erecting <b>Fan Hook Of 10 mm</b> M.S Round bar bounded to the RCC bars up to 50 mm Length each side & pierced through 18 Gauge G.I Box having 125 mm dia depth of 75 mm complete erected concealed in ceiling with necessary round modular plate	25.00	Each	125.00	Rupees One Hundred Twenty Five Only	3125.00
205	Supplying & erecting 19/20 mm. nominal bore <b>"B" class G.I. pipe / M.S. pipe down rod</b> erected duly painted for fan complete with necessary 24/0.2 flat 3 core flexible Core with earthing. [The down rod thickness, hole, locking arrangement, construction, powder coating, colour shed should be same as original down rod brought with ceiling fan. For that agency has to give original down rod sample to fabricator and one sample down rod should be approved with EIC. After approval given by EIC, agency can use the down rod as per approved sample. If without approval down rod will be erected on site, agency has to replace them with own cost.]	20.00	Rn.Mtr.	107.00	Rupees One Hundred Seven Only	2140.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
206	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board having <b>IP-42</b> & above protection as per approval from engineer incharge and made from 2 mm. thick CRC M.S. sheet for outer body & doors, 1.6 mm. thick CRC M.S. sheet for internal partitions with necessary supporting angles, flats including skirting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-In-Charge with erection of supplied switchgears, busbars with suitable size of interconnecting PVC copper wire / Copper-Aluminium strips, rubber gromets, rib, control wires, backelite control fuses, measuring instruments, earth bus & earth bolts, foundation flange-bolts-base plates, sufficient nos. of hinged doors, handle with locking arrangement, rubber gasket complete with Required Nos. heavy Duty Connector with Cadmium plated nut and bolt for Anti rusting	4.00	Sq. Mtr.	16230.00	Rupees Sixteen Thousand Two Hundred Thirty Only	64920.00
	The panel shall be supplied with Seven Tank chemical process which shall be carried out before applying painting, painted with powder coating. (The rates excludes the cost of switchgears, busbars, interconnecting mains & Copper / Aluminium strip, fuse, meters etc. The dimension shall be measured excluding base beams) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory as per IEC 61439 and shall be certified by that company whose switch gears are used after fabrication for beneficial use. <b>With 350 mm depth</b>					

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<p>Panel manufacturer have to give 5 years maintenance and service support if in case of breakdown or fault. Panel manufacturer have to submit electrical meter calibration report. Agency should design the panel in such a way that there should not be any excess in panel area (sq.mtr) &amp; length of bus-bar (mtr), if any excess occurs draw attention to GSPHCL at the time of approval of G.A. drawing.</p> <p>Loading and unloading of above item shall be done by hydra and skill work force under supervision of electrical engineer and guidelines given by manufacturer to avoid damage to the item. Picture of it to be submitted in running bill / final bill.</p> <p>Size of door and Ele. room / Pump room shall be checked by agency's engineer before giving order. If found any problem in size discuss with GSPHCL engineer for rectification before giving order. [Including Necessary numbering / marking on PANEL 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] <b>(All Panel as per IEC 61439 as per NBC Guideline)</b></p> <p><b>[Manufacturer must be of Gujarat state so three stage inspection can be done]</b></p>					



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
207	Providing & erecting Approved make <b>Three pole moulded case circuit breaker</b> having breaking capacity ICU of 35 K.A. at 415 V having normal <b>current rating Upto 25 A to 100 A.</b> with Fixed/ variable thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% ICU Only	2.00	Each	5302.00	Rupees Five Thousand Three Hundred Two Only	10604.00
208	Providing & erecting Approved make <b>Four pole moulded case circuit breaker</b> having breaking capacity ICU of 25 K.A. at 415 V. having normal <b>current rating Upto 25A to 100 A.</b> with Fixed/variable thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% ICU Only	2.00	Each	6112.00	Rupees Six Thousand One Hundred Twelve Only	12224.00
209	<b>Supplying &amp; erecting approved make Four Pole 415V change over switch interior for panel mounting</b> with operating mechanism A.C.23 duty confirming to IS for [c] <b>100-125A</b>	2.00	Each	7713.00	Rupees Seven Thousand Seven Hundred Thirteen Only	15426.00
210	Supplying & Erecting Approved Make <b>Extended operating rotary handle</b> with pad lock with three position Trip, Off, On suitable for <b>25 Amp. to 250 Amp. panel mounting.(Company Must be same company of switchgear)</b>	4.00	Each	865.00	Rupees Eight Hundred Sixty Five Only	3460.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
211A	Supplying and erecting tripple pole & neutral 440V / 500 V <b>Panel mounting Copper Busbars</b> with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wraped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports / insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections. <b>For electrolyte copper busbars suitable for 100 Amp. capacity</b>	1.00	Rn.Mtr	1942.00	Rupees One Thousand Nine Hundred Forty Two Only	1942.00
211B	<b>Suitable for 200 Amp. Capacity</b>	2.00	Rn. mtr.	3171.00	Rupees Three Thousand One Hundred Seventy One	6342.00
212	Supplying and Erecting <b>KITKAT pattern porcelain cutout</b> with base of following current capacity erected on existing block board. (vi) 200A. 500 V.	6.00	Each	416.00	Rupees Four Hundred Sixteen Only	2496.00
213	Approved make <b>Earth fault Relay</b> suitable to mount with inter connection to moulded case circuit breaker having CT ratio & MCCB rating as following along with shunt trip 220 V AC with all internal connections & complete erected in existing M.S.housing. <b>(2) 125 A - 200 A, CT Ratio 1/200 [make and model approved by EIC strictly as per tender specification]</b>	2.00	Each	4934.00	Rupees Four Thousand Nine Hundred Thirty Four Only	9868.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
214	Supplying and erecting approved make <b>panel mounting type Digital Voltmeter</b> having 3 x 1/2 digits LED display, 0 to 750 AC Volts range having 0.5 class accuracy erected on existing panel board with all connection, wiring etc. with manufacturers calibration certificate. [make and model approved by EIC strictly as per tender specification]	2.00	Each	1263.00	Rupees One Thousand Two Hundred Sixty Three Only	2526.00
215	Supplying and erecting approved make panel mounting type <b>Digital Ammeter</b> having 3 digits LED display, external CT operated, calibrated for 0 to 1000 Amps. suitable to operate on 500 Volt AC, having 0.5 class accuracy erected on existing panel board with all connection, wiring etc. with manufacturers calibration certificate. [make and model approved by EIC strictly as per tender specification]	2.00	Each	1543.00	Rupees One Thousand Five Hundred Forty Three Only	3086.00
216	Supplying and erecting <b>Ammeter / Voltmeter selector switch</b> for 3 phase AC Supply 500 V on existing panel board with necessary connections. [Make and model approved by EIC as per specification]	4.00	Each	314.00	Rupees Three Hundred Fourteen Only	1256.00
217	Supplying and erecting approved make suitable panel <b>indicator LED type lamp</b> , lens cover, complete erected with necessary connections.	6.00	Each	43.00	Rupees Forty Three Only	258.00
218	<b>Providing and Erecting of Miniature circuit breaker single pole 6 Amp. to 25 Amp.</b> suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark.	12.00	Each	111.00	Rupees One Hundred Eleven Only	1332.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
219	Providing & erecting <b>L.T. Current Transformer</b> with bar primary 50/5 to 1000/5 ratio 15 VA burden having 0.5 class accuracy erected in existing CRCA box duly secured with insulating materials connected to the meter [make and model approved by EIC strictly as per tender specification]	8.00	Each	272.00	Rupees Two Hundred Seventy Two Only	2176.00
220	Providing & erecting Neutral Link for (i) 32 / 63 / 125 Amps	2.00	Each	136.00	Rupees One Hundred Thirty Six Only	272.00
221	Providing & erecting <b>240 V MCB Double pole</b> switch for Motor and inductive load (C curve) having 10 KA breaking capacity & confirms to IS:8828 in Existing M.S. box having following capacity. <b>For 40 Amp. DP</b>	9.00	Each	327.00	Rupees Three Hundred Twenty Seven Only	2943.00
222	Providing & erecting <b>415 V MCB Four Pole</b> for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS:8828 in existing MS box having following capacity. <b>For 63 Amp. FP</b>	3.00	Each	730.00	Rupees Seven Hundred Thirty Only	2190.00
223	Providing & erecting <b>415 V MCB Four Pole for Motor &amp; Inductive Load (C Curve)</b> having 10KA breaking capacity & confirms to IS :8828 with same company metal box with earthing terminal having following capacity with necessary Numbering oil Paint by painter. (b) 40 Amp. FP	5.00	Each	1104.00	Rupees One Thousand One Hundred Four Only	5520.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
224	<p>Providing and erecting approved make <b>three phase Double Door Horizontal / Vertical type (as per site requirement and EIC instruction) outgoing per phase outgoing type (PPI) metal clad D.B.</b> as per relevant Indian standards amended up to date. Supplying and fixing following way Three phase MCB distribution board with company wire links for internal connections having colour code and with suitable lugs and company fabricated with 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 GI frame (if required for surface type) 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 &amp; 3, IEC 61439-1 &amp; 3 having D type PU gasket. (2) Seven tank Powder coating Certificate (3) Tinned Copper/Brass make neutral &amp; Earthing link with isolation &amp; Protecting Cover for 440 Volts on surface / recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, with suitable size FRLS PVC 10 mm<sup>2</sup> insulated copper conductor with Pin type lug up to terminal blocks and internal connection, tinned copper bus bar, 4 nos. tinned copper neutral link, 4 nos. tinned copper earth bar, din bar-4 nos., detachable gland plate, interconnections, including earthing etc.</p>	1.00	Each	3379.00	Rupees Three Thousand Three Hundred Seventy Nine Only	3379.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<p>Three phase incoming and single phase outgoing. Total quantity of wire link: 13 Nos.</p> <p><b>For Three phase 8 Way Double Door PPI MCBDB</b> (The DBs should be used of same company of MCB / ELCB to be used) (MCBDB must be erected in line &amp; 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]</p>					

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
225	<p>Providing and erecting approved make <b>single phase Double Door metal clad D.B.</b> as per relevant Indian standards ammended upto date.</p> <p>Supplying and fixing following way <b>single phase MCB distrubution board</b> 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 &amp; 3, IEC 61439-1 &amp; 3 having D type PU gasket. (2) Seven tank Powder coating Certificate (3) Tinned Copper/Brass make neutral &amp; Earthing link with isolation &amp; 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 copper bus bar, 1 no. tinned copper neutral link, tinned copper earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc, MCBDB Door, back side &amp; body of MCBDB must be made of 1.2 mm thick CRCA sheet.</p>	1.00	Each	5536.00	Rupees Five Thousand Five Hundred Thirty Six Only	5536.00

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. <b>For 16 Way MCBDB:</b> 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. <b>(6 Amp:- 4 Nos., 16 Amp:- 4 Nos. &amp; 25 Amp: 4 Nos.)</b>					
	(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]					



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
226	<p>Providing and erecting approved make <b>single phase Double Door metal clad D.B.</b> as per relevant Indian standards ammended upto date.</p> <p>Supplying and fixing following way <b>single phase MCB distrubution board</b> 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 &amp; 3, IEC 61439-1 &amp; 3 having D type PU gasket. (2) Seven tank Powder coating Certificate (3) Tinned Copper/Brass make neutral &amp; Earthing link with isolation &amp; 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 copper bus bar, 1 no. tinned copper neutral link, tinned copper earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc, MCBDB Door, back side &amp; body of MCBDB must be made of 1.2 mm thick CRCA sheet.</p>	1.00	Each	4906.00	Rupees Four Thousand Nine Hundred Six Only	4906.00

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. <b>For 12 Way MCBDB:</b> 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. <b>(6 Amp:- 3 Nos., 16 Amp:- 3 Nos. &amp; 25 Amp: 2 Nos.)</b>					
	(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]					

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
227	<p>Providing and erecting approved make <b>single phase Double Door metal clad D.B.</b> as per relevant Indian standards ammended upto date.</p> <p>Supplying and fixing following way <b>single phase MCB distrubution board</b> 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 &amp; 3, IEC 61439-1 &amp; 3 having D type PU gasket. (2) Seven tank Powder coating Certificate (3) Tinned Copper/Brass make neutral &amp; Earthing link with isolation &amp; 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 copper bus bar, 1 no. tinned copper neutral link, tinned copper earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc, MCBDB Door, back side &amp; body of MCBDB must be made of 1.2 mm thick CRCA sheet.</p>	3.00	Each	4125.00	Rupees Four Thousand One Hundred Twenty Five Only	12375.00

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. <b>For 8 Way MCBDB:</b> 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. <b>(6 to 25 A 4 Nos.)</b>					
	(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]					
228	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 (A) 6 to 32 Amp. DP	3.00	Each	297.00	Rupees Two Hundred Ninety Seven Only	891.00
229	Providing and Erecting approved make ISI mark <b>ELCB</b> confirming to IS:12640/1988 having serial number printed on it and having sensitivity of 30 mA and breaking capacity of 10 KA and suitable for 240 V, 50 Hz having characteristic of quick acting & Tripping with all advance feature & do not incorporate any electronic component (mounted in MCBDB) Suitable for operation on single phase 240 Volt max rating of <b>(i) For 40 Amp. DP.</b>	3.00	Each	2213.00	Rupees Two Thousand Two Hundred Thirteen Only	6639.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
230	Providing and Erecting Approved make ISI mark <b>ELCB</b> confirming to IS:12640/1988 having serial number printed on it and having sensitivity of 30 mA and breaking capacity of 10 KA and suitable for 240 V, 50 Hz having characteristic of quick acting & Tripping with all advance feature & do not incorporate any electronic component (mounted in MCBDB) Suitable for operation on single phase 240 Volt max rating of <b>(i) For 25 Amp. DP.</b>	2.00	Each	1950.00	Rupees One Thousand Nine Hundred Fifty Only	3900.00
231	Approved make ISI mark <b>ELCB</b> confirming to IS:12640/1988 having serial number printed on it and having sensitivity of 30 mA. and breaking capacity of 10 KA and suitable for 440 V having characteristic of quick acting & Tripping with all advance feature & do not incorporate any electronic component (mounted in Box) <b>Suitable for operation on Three phase 440 Volt max. rating of (ii) For 63 Amp. FP</b>	1.00	Each	3010.00	Rupees Three Thousand Ten Only	3010.00
232	Providing & erecting 415 V <b>MCB Four Pole</b> for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS:8828 with same company metal box with earthing terminal having following capacity with necessary Numbering with oil Paint by painter. <b>[c] 63 Amp. FP</b>	1.00	Each	1172.00	Rupees One Thousand One Hundred Seventy Two Only	1172.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
233	Supply, Installation, Testing & Commissioning of Three Phase, 440 V <b>Surge Suppressor protection Device (SPD)</b> & 40 Amp. TPN MCB (or as per SPD OEM guideline for the protection of SPD which is erected such a way that it can be operated easily) with MS Enclosure & necessary required 5 Core x 6.0 Sq.mm. size flexible copper cable for Connection. SPD Must be Capable to Protect all electrical and electronic equipments. If SPD Blast or Fuse then the panel Builder must have replace it soon during defect liability period. The Detail Specification are As per Attached sheet with Annexure -A (Hakel, OBO, Iskira make) [Make and model approved by EIC as per specification]	1.00	Each	6319.00	Rupees Six Thousand Three Hundred Nineteen Only	6319.00
234	Providing and fixing of approved make Perforated C type cable tray Made from CR sheet steel. The cable tray should be single or double bended as per required and as per IS 2062/1079 and shll be coated with hot dip galvanizing as per IS 2629/4759 with coupler plate / Fish plate and GI hardware like nut - bolt and washers etc. erected on existing support as per Specification and as per instruction of engineer incharge [5] <b>300 X 50 X 2.0 mm Thick [Make and model approved by EIC as per specification]</b>	20.00	Rn.Mtr	616.00	Rupees Six Hundred Sixteen Only	12320.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
235A	Supplying and erecting approved make GRP/FRP Perforated type Cable Tray Material – Corrosion Resistant Polyester Flame Retardant U.V. Stabilized Resin System - Manufactured from Pultruded Sections- Polyester Resin System, Glass Content : 55 – 60 % - - Standard Length : 3000 mm- Support Span – 1500 mm, Deflection L/200 - Specification NEMA FG1 1993- UV Resistant - Flame Retardant – IS 6746 - Appendix K/UL 94, Very Low Flammability - Specification Followed NEMA FG1 1993 Oxygen Index – Minimum 30% as per ASTM D 2863 - Flame Spread (Extent of Burning) – 20 mm as per Standard ASTM D 635 - Tensile Strength – 4000 – 8000 Kg/Cm2 as per Standard ASTM D 638 - Flexural Strength – 2500 – 10000 Kg/Cm2 as per Standard ASTM D 790- Izod Impact Strength – 130 Kg/Cm2 as per Standard ASTM D 256- Compressive Strength – 2500 – 5000 Kg/Cm2 as per Standard ASTM D 695- Barcol Hardness – 50 – 65. <b>Width 300 mm, Side Member “C” Section : 100 x 35 x 35mm with 4mm Thickness, Loading 60Kg./Mtr. With Concentrated Load 70Kg. at center of the span</b>	50.00	Rn. Mtr.	526.00	Rupees Five Hundred Twenty Six Only	26300.00
235B	<b>Width 150 mm, Side Member “C” Section : 75 x 25 x 25mm with 4mm Thickness, Loading 30Kg./Mtr. With Concentrated Load 70Kg. at center of the span.</b>	50.00	Rn. Mtr.	230.00	Rupees Two Hundred Thirty Only	11500.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
236	Supplying & erecting <b>12 mm thick bakelite sheet</b> 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)	1.50	Sq. Mtr.	2289.00	Rupees Two Thousand Two Hundred Eighty Nine Only	3433.50
237	Providing, erecting, fabricating <b>the M.S. structure</b> 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.	250.00	Kg.	77.00	Rupees Seventy Seven Only	19250.00
238	Providing and erecting <b>metallic danger notice board</b> for MEDIUM VOLTAGE installation to be erected as per I.S.	2.00	Each	69.00	Rupees Sixty Nine Only	138.00
239A	Supplying and laying <b>UPVC cable trunking</b> system comprising unplasticised polyvinyl, chloride rigid material with ignition free & flame proof confirming BS .All necessary accessories and measuring of following sizes. <b>[1] 75 mm x 50 mm trunking.</b> [MK, LEGRAND, OBBO make Only]	50.00	Mtr.	263.00	Rupees Two Hundred Sixty Three Only	13150.00



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
239B	<b>100 mm x 50 mm trunking</b> .[MK, LEGRAND, OBBO make Only]	50.00	Mtr.	405.00	Rupees Four Hundred Five Only	20250.00
240	<p><b>Supplying and erecting approved make Octagonal pole</b> made from <b>HR sheet steel</b>. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/<b>2633</b>/4759, suitable suspend local wind speed <b>with integral Junction box with Hot Deep Galvanised door having 2 nos. 180° operated hinges &amp; 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 &amp; MCB, Brass stud type terminal and arrangement for cable termination</b> to be erected on RCC foundation as per details given by manufacturer and EIC considering site requirement.</p> <p><b>Foundation Details:</b> (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</p>	10.00	Each	6917.00	Rupees Six Thousand Nine Hundred Seventeen Only	69170.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<b>5 Mtr. Long</b> 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 Only) (Test certificate to be submitted)					
241	Supplying and erecting <b>Fabricating terminal box</b> for street light pole made from 16 SWG M.S. sheet having following size complete with fixing arrangement for terminal board, with necessary hole for wire entry and exit from the box. The box shall be provided with cover and hinges on one side and bolting at other end The box shall be fixed by clamps fabricated from 25mm x 6mm flat.The box shall be painted with one coat of red oxide and two coats of paint having following box size 330 mm x 260 mm x 140 mm (depth). Providing and fixing Terminal board of size 5.0 x 127 x 152.4 mm.bakelite sheet with 15 Amp. kitkat pattern porcelain fuse unit with suitable brass studs with nuts, washers and clamps of size 25 mm x 3 mm suitable for pole painted with one coat of red lead paint.	8.00	Each	702.00	Rupees Seven Hundred Two Only	5616.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
242A	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 Upto 0.50 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 <b>(a) For single arm bracket.</b> (Jindal / Asian / Tata / Surya Prakash make Only) (Fabricators:- Bajaj, Valmont, Transrail, Ambica Only) (Test certificate to be submitted)	18.00	Each	487.00	Rupees Four Hundred Eighty Seven Only	8766.00
242B	<b>For Double arm bracket.</b> (Jindal / Asian / Tata / Surya Prakash make Only) (Fabricators:- Bajaj, Valmont, Transrail, Ambica Only) (Test certificate to be submitted)	1.00	Each	616.00	Rupees Six Hundred Sixteen Only	616.00
243	<b>Providing and making Coil type earthing,</b> 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)	10.00	Each	368.66	Rupees Three Hundred Sixty Eight And Paise Sixty Six Only	3686.60

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
244	<p>Providing and Fixing SITC of Outdoor aesthetically designed <b>LED Street Light Luminaire with total consumption of Max. 45 W</b> 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. LED wattage of 3W&amp; above 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, optional for high ambient and high humid environments, THD of driver should be less than 10% and P.F &gt; 0.95. Also the Fixture should meet the following technical criterias Operating range Voltage 160 to 270 V, system efficiency &gt;= 110 lm/w, and total lumens not less than 4950, CCT &gt; 5000K, CRI &gt; 65, beam angle 120 deg, surge immunity level 4 kv integral &amp; 10 kv non integral</p>	12.00	Each	3512.00	Rupees Three Thousand Five Hundred Twelve Only	42144.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<p>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)</p> <p>(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)</p>					

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
245	<p>SITC of Outdoor aesthetically designed <b>LED Street Light Luminaire with total consumption of Max. 90 W</b> 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, optional for high ambient and high humid environments, THD of driver should be less than 10% and P.F &gt; 0.95. Also the Fixture should meet the following technical criterias Operating range Voltage 160 to 270 V, system efficiency &gt;= 110 lm/w, and total lumens not less than <b>9900</b>, CCT &gt; 5000K, CRI &gt; 65, beam angle 120 deg, surge immunity level at least 4 KV Integral &amp; 10 KV Non Integral.</p>	6.00	Each	6117.00	Rupees Six Thousand One Hundred Seventeen Only	36702.00

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]
246	<p>SITC of Outdoor aesthetically designed <b>LED Flood Light Luminaire with total consumption of maximum 90 W</b> 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, operational for high ambient and high humid environments, THD of driver should be less than 10% and P.F &gt; 0.95. Also the Fixture should meet the following technical criterias. Operating range Voltage 160 to 270 V, system efficiency &gt; 110 lm/w, CCT &gt; 5000K, CRI &gt;65, beam angle 120 deg, 4kV integral &amp; 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]
247	Supplying, Installing, Testing & Commissioning of <b>40 W LED Outdoor type Post top</b> Lantern light with IP65 protection with housing made of sturdy aluminium die cast housing with radiating cool surface and milky white high quality PMMA round cover with corrosion resistant Grey colour powder coating with high efficiency potted driver with necessary safety precautions, 10 kv surge protection device with high min. 3200 lumens LED with long life of 30K @ L70 (L70@30000 hrs.), Installation bracket as per site requirement, accessories 3C X 1.5 Sq.mm copper flexible wire upto terminal box etc (Note:-The manufacturer / authorised Channel partner of the manufacturer has to submit 5 years free replcement Guarantee for complete Fixture)	6.00	Each	4772.00	Rupees Four Thousand Seven Hundred Seventy Two Only	28632.00
248	Supplying following size of Light duty <b>“A” Class G.I. Pipe &amp; erecting</b> as directed by Engineer-in-charge. <b>For 25 mm dia.</b>	30.00	Mtr.	171.00	Rupees One Hundred Seventy One Only	5130.00
249	Providing & laying <b>HDPE Double walled corrugated pipes (DWC)</b> (conforming to IS: 16205 (part 24) 2018)) with minimum load required of <b>450N</b> 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. <b>(A) For Outer dia. 50 mm and Inner dia. 38 mm. (Test Certificate to be Submitted)</b>	440.00	Mtr	108.00	Rupees One Hundred Eight Only	47520.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
250	roviding & 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.. <b>For Outer dia. 90 mm and Inner dia. 75 mm. (Test Certificate to be Submitted)</b>	30.00	Mtr	141.00	Rupees One Hundred Forty One Only	4230.00
251	Providing & Erecting Flexible <b>PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires</b> of following size to be erected as directed. <b>3 core 1.5 sq.mm. PVC insulated round copper wire ISI mark.</b>	80.00	Mtr.	44.00	Rupees Forty Four Only	3520.00
252	Providing & Erecting Flexible <b>PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires</b> of following size to be erected as directed. <b>3 core 2.5 sq.mm. PVC insulated round copper wire ISI mark.</b>	50.00	Mtr.	73.00	Rupees Seventy Three Only	3650.00
253	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. <b>[f] One wire 6.00 sq. mm</b>	30.00	Mtr.	53.00	Rupees Fifty Three Only	1590.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
254	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. <b>[f] One wire 10.00 sq. mm</b>	30.00	Mtr.	87.00	Rupees Eighty Seven Only	2610.00
255	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. <b>[g] One wire 16.00 sq. mm</b>	100.00	Mtr.	134.00	Rupees One Hundred Thirty Four Only	13400.00
256	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. <b>For one wire 25.00 sq.mm</b>	50.00	Mtr.	223.00	Rupees Two Hundred Twenty Three Only	11150.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
257	Providing and laying <b>Mains</b> 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. <b>For One wire 1.50 sq. mm</b>	300.00	Mtr.	16.00	Rupees Sixteen Only	4800.00
258	Providing & erecting XLPE (IS : 7098) (I)-88 ISI marked <b>armoured Copper cable</b> 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. <b>[a-1] For 4 core x 4 sq.mm.</b>	557.00	Mtr.	359.00	Rupees Three Hundred Fifty Nine Only	199963.00
259A	Providing and erecting XLPE (IS:7098) (I)-88 ISI <b>armoured cable multistrand Aluminium conductor</b> for 1.1 KV. 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. <b>[d] 4 core x 25 Sq. mm</b>	220.00	Mtr.	187.00	Rupees One Hundred Eighty Seven Only	41140.00
259B	<b>For 3&amp;1/2 core x 35 Sq. mm (16 Sq. mm x 1/2 core)</b>	120.00	Mtr.	215.00	Rupees Two Hundred Fifteen Only	25800.00
260A	Providing & fixing <b>double compressed heavy duty flange type brass cable gland</b> with rubber ring for P V C insulated armoured cable complete with outgoing tails, insulating tape etc. For following size cables. <b>For 2 to 4 core x 4.0 Sq. mm (Sigma, MCI, Comet Make Only)</b>	31.00	Each	43.00	Rupees Forty Three Only	1333.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
260B	<b>For 4 core*25 Sq. mm (Sigma, MCI, Comet Make Only)</b>	8.00	Each	66.00	Rupees Sixty Six Only	528.00
260C	<b>For 3 &amp; 1/2 core x 35/50 Sq.mm (Sigma, MCI, Comet Make Only)</b>	8.00	Each	75.00	Rupees Seventy Five Only	600.00
261	Providing and Fixing of Solderless crimping type <b>Copper lugs</b> 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. <b>(a)1.5/2.5 to 6 Sq.mm</b>	200.00	Each	8.00	Rupees Eight Only	1600.00
262A	Providing and Fixing of Solderless crimping type Aluminium Lugs conforming to IS suitable for cable of following size evenly crimping with high pressure tool & connected to switchgear terminals with brass/ cadmium plate nut bolts in an approved manner. <b>For 16-25 Sq.mm. Alluminium Cable</b>	29.00	Each	15.00	Rupees Fifteen Only	435.00
262B	<b>For 35/50 Sq.mm. Alluminium Cable</b>	32.00	Each	20.00	Rupees Twenty Only	640.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
263	Providing, erecting, testing and commissioning <b>insu intelligent street light controller</b> specially designed for energy saving in conventional street light system (Cat. No. SLC-03-1 ph-15 KVA-20 Amp. per phase) having technical specification, 1 phase 2 wire, 230 V AC/ph, +/- 25% R Y B N 2 wire supply system, 50 Hz (+/- 10%) 2 W (Stand BY) to 4 W (at street light operation) consumption, Advance 8 bit micro controller, switching on longitude and latitude base, accuracy of +/- 1 minute per month, with in built battery, with battery life of more than 8 years, with special device which hold the parameter for more than 10 year without any power and password protected. 16 characters and two line LCD display with backlight, 4 keys user friendly keyboard system, 7500/15000 VA feeder pillar capacity, 63/100 Amps isolator, 3 output with termination, 40/63 Amps 2/3 pole contactor,	1.00	Each	20255.25	Rupees Twenty Thousand Two Hundred Fifty Five And Paise Twenty Five Only	20255.25
	3 X 16 Amp., with FR cable provision to by pass by way of relay operation through auto/manual switch, 2 to 55 centigrade and humidity 90 % non condensing, Out door type installation on pole with clamps (Provided with clamps and nut bolt) or wall or floor, Three locking system flush type internal panel lock, external pad lock and internal U clamp locking systems for against theft of Panel, having 25 Kg weight, 16 Gauge MS weather proof box with industrial exterior powder coated with 7 tank process RAL 7035.					

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
264	Supplying and erecting <b>Servo Controlled Voltage Stabilizer</b> (SCVS) as per following requirement: (1) Input Voltage Range - Three Phase 340 To 480 Volt AC. (2) Out put Volatge - Three Phase 415 Volt AC (Line - Line) with Voltage Regulation of +/- 1%. (3) Frequency range - 47 Hz To 63 Hz. (4) Efficiency - More or equal to 98%. (5) Type of Stabilizer - Suitable for Balance & Unbalance Load and Voltage including SPD (6) Controlled Type - Digital Micro Controller Based Disply. (7) Rate Of Correction - Upto 100 Volt / Sec (Line - Line) (8) Servo Motor Drive - AC Synchronous Stepper Motor - As per KVA Capacityy, Out put volatge and Voltage regulation requirement. (9) Nil Wave form Distortion and Effect of Load POver. (10) Responce Time - 10 milli second. (11) Protection requirements - Input low Cut off protection / Input High Cut Off Protection / Output Low Cut Off protection / IOutput High	1.00	Each	72450.00	Rupees Seventy Two Thousand Four Hundred Fifty Only	72450.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<p>(12) Fault Annuciation Panel LED shows Input present, Input high Input low, Output Normal, Output High, Outpur low, Overload. (13) Output On time delay - 10 seconds (14) Ambient Tempeature capacity - 0 - 45 RH upto 90 %. (15) Enclosure Type - IP 20 (16) Type of Cooling - Air ,Output:Bypass switch with changeover switch and Provied SPD &amp; 5 year free replacement guarantee on Stamp paper. Loading and unloading of above item shall be done by hydra and skill work force under supervision of electrical engineer and guidelines given by manufacturer to avoid damage to the item. Picture of it to be submitted in running bill / final bill.Size of door and Ele. room / Pump room shall be checked by agency's engineer before giving order. If found any problem in size discuss with GSPHCL engineer for rectification before giving order. <b>(25 KVA)</b></p>					



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
265	<p>Providing and erecting open well type horizontal submersible mono block pump set with cast iron body having following specification 1 phase open well horizontal mono block pump set suitable for 185 LPM discharge at required head as per plumbing length and vertical &amp; 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 &amp; 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). 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>	2.00	Each	9518.00	Rupees Nine Thousand Five Hundred Eighteen Only	19036.00
266	<p><b>Lowering of existing submercible motor pump</b> 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.</p> <p><b>[d] For open well horizontal submercible pump set for sump well. (i) 1 HP to 5 HP</b></p>	2.00	Per Job	848.00	Rupees Eight Hundred Forty Eight Only	1696.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
267	Providing & erecting ISI make medium duty ( <b>B class</b> ) <b>galvanized MS pipe</b> with coupling, bend, union, reducer, tee, MS flange etc. with plumbing charges. <b>40 mm dia.</b>	40.00	Mtr.	210.00	Rupees Two Hundred Ten Only	8400.00
268	Supplying and erecting ISI maked <b>C.I. Sluice valve</b> at position with necessary material like flange, packing, nuts, washers etc. for following size of pipe diameter. <b>40 mm dia.</b>	2.00	Each	594.00	Rupees Five Hundred Ninety Four Only	1188.00
269	Supplying and erecting <b>C.I. Swing check type non-return (reflux) valve</b> ISI marked with packing, flange, nuts and bolts etc.suitable for following pipe size. <b>40 mm dia.</b>	3.00	Each	775.00	Rupees Seven Hundred Seventy Five Only	2325.00
270	Supplying <b>Water tight M.S.Box</b> 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]	1.00	Each	232.00	Rupees Two Hundred Thirty Two Only	232.00
271	Providing <b>water proof straight joint</b> in PVC insulated flat flexible copper cable by using insulated material water proofing material and making the joint complete. <b>UP to 10 Sq.mm</b>	2.00	Each	188.00	Rupees One Hundred Eighty Eight Only	376.00
272	Providing and erecting ISI marked PVC insulated PVC Sheathed <b>Flat flexible Submersible copper cable</b> approved make of following Size. [c] <b>3 Core x 1.5 Sq. mm</b>	30.00	Mtr.	65.00	Rupees Sixty Five Only	1950.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
273	Providing and erecting water cooler having <b>storage capacity 80 Ltr. &amp; cooling capacity 40 Ltr.per hour @ an ambient temp of 45° C.</b> The outlet temp. of the water should drop by 15°C within a hour, The water cooler should be comprising of hermetically sealed compressor Reciprocating compressor with R134A gas , fan motor, Copper Condensing unit, fan motor, water tank surrounded by evaporating, coil, thermostats, relay etc.complete with necessary inlet & outlet connection. The body of water cooler will be made from Stainless Steel, CP brass push cock, inlet float valve, with all plumbing and electrical accessories, inlet, outlet, overflow and PVC drain out connection to FD complete as required With 20 Amp. 3 pin plug Top with indicator. (Maintanance & service must be carried out by OEM dealer/distributor who has executed the work. service & Maintance must be as per OEM guid line.) [Voltas, Uha, Bluestar make only]	1.00	Each	40933.00	Rupees Forty Thousand Nine Hundred Thirty Three Only	40933.00
274	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 psi inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed <b>[B] 25 Ltr / Hr with 30 Ltr Storage Tank.</b>	1.00	Each	12924.00	Rupees Twelve Thousand Nine Hundred Twenty Four Only	12924.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
275	<p><b>Executing comprehensive (All-in-All) service &amp; maintenance</b> with spare parts as per terms &amp; condition of tender <b>for water cooler</b> during defect liability period. For that main agency has to give All-in-All comprehensive maintenance contract to Water cooler OEM/Authorised dealer and copy of this contract will be submitted before final bill. Agency has to quote rate accordingly. Agency has to also provide the fitness certificate from system agency / OEM / Authorized dealer and compulsory submit to G.S.P.H.C.L. Agency has to submit FDR of approved bank as per clause 2.0, section 3, of <b>Rs. 5256.00 + GST</b> or quoted rate (as per % premium above) whichever is higher to G.S.P.H.C.L. for minimum maturity period of Five years in favour of G.S.P.H.C.L., Which will be released after successful completion of A.M.C. &amp; at the completion of defect liability period. Agency has to maintain written record of service &amp; maintenance during defect liability daily period duly sign by police / Jail departmen and submitted regularly to G.S.P.H.C.L. Agency has to give minimum Four services per year of Water cooler during defect liability period and obtain necessary certificate from police / Jail department and submitted to G.S.P.H.C.L. Agency has to do maintenance as per terms &amp; condition alternative in tender. Agency has to replace Condenser, Condenser fan, Thermostat, evaporating coil, Relay, Gas etc. as per site required &amp; working hours of Water cooler. Water cooler OEM / Authorized dealer has to Provide fitness certificate at the time of releasing S.D. <b>(A) 80 Ltr. capacity</b></p>	1.00	Job	5256.00	Rupees Five Thousand Two Hundred Fifty Six Only	5256.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
276	<p>Executing comprehensive (All-in-All) service &amp; maintenance with spare parts as per terms &amp; condition of tender for R.O. System during defect liability period. For that main agency has to give All-in-All comprehensive maintenance contract to R.O. Plant OEM/Authorised dealer and copy of this contract will be submitted before final bill. Agency has to quote rate accordingly. Agency has to also provide the fitness certificate from system agency and compulsory submit to G.S.P.H.C.L. Agency has to <b>submit FDR of approved bank as per clause 2.0, section 3, of Rs. 15002.00 or quoted rate</b> whichever is higher to G.S.P.H.C.L. for minimum maturity period of Four years in favour of GSPHC, Which will be released after successful completion of A.M.C. &amp; at the completion of defect liability period. R.O. System agency has to maintain written record of service &amp; maintenance during defect liability daily period duly sign by police / Jail departmen and submitted regularly to G.S.P.H.C.L. Agency has to give minimum four services per year of entire R.O. Plant system during defect liability period and obtain necessary certificate from police / Jail department and submitted to G.S.P.H.C.L. Agency has to do maintenance as per terms &amp; condition alternative in tender. Agency has to replace Filter, Membrane, Pump etc. as per site required &amp; working hours of R.O. Plant. R.O. Plant OEM has to Provide fitness certificate at the time of releasing S.D. <b>For 50 Ltr. Capacity [For 4 YEAR]</b></p>	1.00	Job	15002.00	Rupees Fifteen Thousand Two Only	15002.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
277	Providing & erecting <b>Switch board for Computer</b> or electric apparatus consisting of following items in single board erected on Metal board with 3 mm thick PC (Polycarbonet) / Acrylic sheet erected as directed. <b>2 no. 6/16 Amp. universal Socket, 2 nos. 16 Amp. indicator switch, 2 nos. 6 Amp. Switch &amp; 2 nos. 6 Amp. 5 pin Plug. For Computer power Supply board. Cat.-III</b>	8.00	Each	1071.00	Rupees One Thousand Seventy One Only	8568.00
278	SITC of specified make <b>X color for Cat.-6 Data and Y color for Cat.-6 voice cable</b> 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) <b>[Make and model approved by EIC as per specification] [MOLEX, R&amp;M, AVAYA, SYATIMAX, LEGAND MAKE]</b>	250.00	Mtr.	45.00	Rupees Forty Five Only	11250.00
279	<b>SITC of 24 x 10/100/1000BASE-T ports</b> 4 x Gigabit RJ45/SFP Combo ports Advanced L2 switching and security features L2+ Static Routing Optional “standard mode” or “surveillance mode” management user interface. <b>24 Port.</b> <b>[HP, CISCO, Juniper &amp; model approved by EIC]</b>	1.00	Each	15247.00	Rupees Fifteen Thousand Two Hundred Forty Seven Only	15247.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
280	Providing & erecting following type of <b>Modular Type Accessories</b> mounted with 20 G G.I. Company Fabricated metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer in charge. Modem Jack for Computer <b>RJ-45 CAT-III</b>	7.00	Each	152.00	Rupees One Hundred Fifty Two Only	1064.00
281	Providing & erecting following type of <b>Modular Type Accessories</b> mounted with 20 G G.I. Company Fabricated metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer in charge. <b>(a) RJ-11Telephone Socket CAT-III</b>	4.00	Each	152.00	Rupees One Hundred Fifty Two Only	608.00
282	<b>SITC of Patch Panel Cat 6 UTP Keystone Type- 24 Port-Fully Loaded [Make and model approved by EIC as per specification]</b>	1.00	Each	4357.00	Rupees Four Thousand Three Hundred Fifty Seven Only	4357.00
283	Supply and installation of <b>9U steel rack</b> for installing 4 nos. Ethernet switches/Hubs. The Rack should be fully enclosed steel housing fabricated with 14 SWG sheet and powder coated with glass doors and having wire management systems. The rate includes the Exhaust Fan, 2 nos. 4 socket and 1 switch power strip and all the wiring in the rack. <b>(Rittal, Valrack, APC, Legrand make Only.)</b>	1.00	Each	11441.00	Rupees Eleven Thousand Four Hundred Forty One Only	11441.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
284	SITC of CAT6 UTP 24AWG <b>PATCH CORD</b> :1M,Plug 30U' Snag less [Approved by Competent Authority i.e. not Below the rank of Executive Engineer ] <b>[Make and model approved by EIC as per specification]</b>	7.00	Each	155.00	Rupees One Hundred Fifty Five Only	1085.00
285	SITC of CAT6 UTP 24AWG <b>PATCH CORD</b> :2M,Plug 30U' Snag less [Approved by Competent Authority i.e. not Below the rank of Executive Engineer ] <b>[Make and model approved by EIC as per specification]</b>	7.00	Each	199.00	Rupees One Hundred Ninety Nine Only	1393.00
286	Providing & erecting <b>main Distribution (MDF)</b> indoor type, back mounted FRLSame [b] <b>Suitable for 10 pair [Make and model approved by EIC as per specification]</b>	1.00	Each	940.00	Rupees Nine Hundred Forty Only	940.00
287	<b>SITC of 3LCD Lamp based projector</b> having wxga (1280x800) or better resolution with minimum white brightness of 2000-4000 lumens and color brightness of 2000-4000 lumens. The projector should have minimum 1 HDMI,1 VGA input. Having contrast ratio of 15000:1 or more. the projector should have auto vertical key stone correction of +/-30 degree and Manual Horizontal of +/-30 degree. the projector should have optical lens, throw ratio 1.30-1.56:1. Zoom Factor of 1.2. Lens focus Manual having focal length 16.9mm to 20.28mm. projector should have features like AV mute slide, quick corner and split function and should support wireless functionality with inbuilt wifi or wifi dongle. <b>[EPSON, SONY, PANASONIC Make and model approved by EIC as per specification]</b>	1.00	Each	33560.00	Rupees Thirty Three Thousand Five Hundred Sixty Only	33560.00



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
288	SITC of 100 inch Self Lock MW (7 x 5) Instalock Slow Retraction Screen, Aspect Ratio-4:3 [Make and model approved by EIC as per specification]	1.00	No.	3773.00	Rupees Three Thousand Seven Hundred Seventy Three Only	3773.00
289	Supply,Installation,Testing and Commissioning of <b>30 ft HDMI Interface Cable</b> Should be 30ft Male to Male High-speed Category 2 HDMI cable; Should be 24k gold-plated 19-pin Type A connector; Should have High-flex CL3-rated jacket; Should Support 4K30 4:4:4 and 4K60 4:2:0 video; Should support 18 Gbps bandwidth; Should be RoHS compliant (Including Five year free maintenance with guarantee) [KRAMER, EXTRON, LIGHTWARE Make and model approved by EIC as per specification]	1.00	No.	14408.00	Rupees Fourteen Thousand Four Hundred Eight Only	14408.00
290	SITC of <b>Vertical Air Termination</b> Solid aluminium with Base-10 mm dia and 1000 mm long. Air Termination Base tested for conditioning, Ageing Test & Lightning impulse current withstand test: 100 kA of 10/350µs waveform in an accredited Third party laboratory as per 6.3 & 6.4 of IEC 62561-1 2017 protocol with MAST 34 mm dia 3000 mm long- Cold Galvanized [OBO, JEFF, CAPE, DHEN]	3.00	No.	9323.00	Rupees Nine Thousand Three Hundred Twenty Three Only	27969.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
291	SITC of <b>8 mm dia solid Aluminium Conductor</b> for roof top mesh grid and tested as per IEC 62561- 2 conducted in the Govt. accredited thirty party laboratory to meet the requirement of IS/IEC 62305 with Required Accessories - Aluminium Holding clamp at every 0.5 mtr distance, Aluminium/SS/Ply cross splicer at every crossing of Alu. conductor, Expansion piece with connectors at every 20 mtr distance, Aluminium straight Splicer to connect conductors. All Accessories should be tested as per IEC 62561-1 2018 Cl. 6.3 for conditioning & Ageing Test & 6.4 for Lightning impulse current withstand test: 100 kA of 10/350 µs waveform (Ageing & Electrical test) conducted in a sequence manner & tested in the Govt. accredited Third party laboratory to meet the requirements of IS/IEC 6230	200.00	Mtr.	297.00	Rupees Two Hundred Ninety Seven Only	59400.00
292	SITC of <b>Galvanized Steel Flat 25 x 6 mm</b> thickness from earth electrode directly in ground as required. Zinc coating: 500 g/m square (Approx: 70 micron coating) tested and used exclusively for lightning protection earthing system and ring equipotential bonding. [make and model approved by EIC Stricly as per Tender specification]	200.00	Mtr.	153.00	Rupees One Hundred Fifty Three Only	30600.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
293	SITC of <b>14.2 mm dia. 3 mtr. long Earth electrode</b> of High tensile steel electrode with 250 micron copper bonding & 1 bag of Carbon fill Based environment friendly backfill tested as per IEC 62561-7 in NABL accredited Laboratory and suitable stainless Steel double sided clamp. Eco Friendly rust proof heavy duty weather proof Polyethylene Earth Pit Chamber with following dimensions: 254 mm dia. (top), 330 mm dia. (bottom) & 260 mm (height).	4.00	No.	5933.00	Rupees Five Thousand Nine Hundred Thirty Three Only	23732.00
294	SITC of <b>ABS Manual Call Point with key – break / Resettable type.</b> (Morley / GST/ Raval make and model approved by EIC as per specification) [Test certificate must be submitted]	2.00	Each	827.00	Rupees Eight Hundred Twenty Seven Only	1654.00
295	SITC of <b>ABS Sounder - 24V, 95-105 db APPROVAL: CE Mark</b> (Morley / GST/ Raval make and model approved by EIC as per specification) [Test certificate must be submitted]	4.00	Each	827.00	Rupees Eight Hundred Twenty Seven Only	3308.00
296	SITC of <b>4 Zone Fire Alarm Control Panel</b> , with 16X2 Character LCD Display, complies with UL - 864 and NFPA-72,Standards. Approval: UL-Listed Optional: 1) Provision to connect zone wise sounder (RE-25ZS) provided in a seperate cabinet. 2) Provision to connect zone wise relay (RE- 25ZC) provided in a seperate Cabinet 3) provision to connect repeater Panel through RS-485 with RE- RP Series. (Including Five year free maintenance with guarantee) (Morley / GST/ Raval make and model approved by EIC as per specification) [Test certificate must be submitted]	1.00	Each	19320.46	Rupees Nineteen Thousand Three Hundred Twenty And Paise Forty Six Only	19320.46

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
297	<p>Supplying, installation, testing and commissioning of electric driven booster <b>terrace pump</b> suitable for automatic operation and consisting of following, complete in all respects, as required: <b>(Terrace Pump)</b></p> <p>(a) Horizontal type, Single stage, end suction, closed coupled pump of cast iron body &amp; CI impeller with stainless steel shaft, mechanical confirming to IS : 1520</p> <p>(b) 7.5 HP squirell cage induction motor TEFC type suitable for operation on 415 volts, 3 phase, 50 Hz, AC supply with IP55 class of protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325.</p> <p>(c) M.S.fabricated common base plate,foundation bolts etc.as required.</p> <p>(d) Suitable CC foundation duly plastered (if required) and anti vibration pads.</p> <p>[The all require Technical specification &amp; Test Certificate shall be submitted to Local fire Authority for approval] <b>450 LPM @ 35 m Head</b></p>	1.00	Each	33838.00	Rupees Thirty Three Thousand Eight Hundred Thirty Eight Only	33838.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
298	Supplying & erecting approved make <b>motor control cubical panel (Direct-on- line)</b> made from 16 G. CRCA sheet duly epoxy powder painted inside and outside with hinged doors and locking, arrangement consisting of suitable size of ON-OFF isolator (AC - 3/23duty) main fuses, single phasing preventer, indicating lamps for R- Y - B phases, overload relay, Ammeter, Voltmeter each with two way selector switch incoming, wires duly socket crimped, main contactor & overload relay, start - stop push buttons, Auto manual switch, NO/NC Contactor for pressure switch for Auto operation to be erected on angle iron frame grouted on wall as directed. The isolator, overload relay & contactors will be of L&T, Siemens or BCH make only. <b>(a) As per suitable size as per terrace pump KW / HP rating and relay and contactor rating as per full load current rating of Terrace pump [Provision for terrace pump] [The panel must be suitable for ON-OFF switch contacts with suitable capacity contactors and required accessories in panel]</b>	1.00	Each	7646.00	Rupees Seven Thousand Six Hundred Forty Six Only	7646.00
299	Supplying, installation, testing and commissioning of <b>On/Off switch</b> with all require. [ASES, AGNI or equivalent make and model approved by EIC as per specification) [Test certificate must be submitted]	4.00	Each	890.00	Rupees Eight Hundred Ninety Only	3560.00
300	Providing & fixing of <b>pressure switch</b> in M.S. pipe line including connection etc. as required. (Indfos, Danfoss or equivalent Approved ISI make & model approved by EIC)	2.00	Each	1310.00	Rupees One Thousand Three Hundred Ten Only	2620.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
301	Supplying and fixing <b>air vessel (pressure vessel) made of 250 mm dia</b> , 8 mm thick MS sheet, 1200 mm in height with <b>air release valve</b> on top and flanged connection to riser, drain arrangement with 25 mm dia gun metal wheel valve with required accessories, pressure gauge and painting with synthetic enamel paint of approved shade as required. (Approved ISI make & model approved by EIC)	2.00	Each	15462.00	Rupees Fifteen Thousand Four Hundred Sixty Two Only	30924.00
302	Providing and fixing of <b>Dial type Pressure Gauge</b> having 100 mm dial & range of 0-14 Kg/cm <sup>2</sup> with isolation ball valve. (Make:- Hguru, Fiebig or equivalent make and model approved by EIC as per specification) (Test certificate must be submitted)	3.00	Each	1513.00	Rupees One Thousand Five Hundred Thirteen Only	4539.00
303	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 cable 1.0 mm thick clamp or in existing DWC pipe underground or road crossing or floor. <b>For 4 core x 1.5 sq.mm Copper Armourd cable with all require accessories.</b>	150.00	Mtr.	153.00	Rupees One Hundred Fifty Three Only	22950.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
304	<b>Executing comprehensive (All-in-All) service &amp; maintenance with spare parts as per terms &amp; condition of tender for Fire Terrace pump</b> with fire hydrant agency for defect liability period and copy of this contract will be submitted before final bill. Agency has to quote rate accordingly. Agency has to also provide the fitness certificate from system agency and compulsory submit to G.S.P.H.C.L. Agency has to submit <b>FDR of approved bank as per clause 2.0 section 3 of Rs. 5492.00 + GST</b> or quoted amount (as per % tender premium) whichever is higher to G.S.P.H.C.L. for minimum maturity period of Five years in favour of G.S.P.H.C.L., Which will be released after successful completion of A.M.C. & at the completion of defect liability period. Fire System agency has to maintain written record of service & maintenance during defect liability period duly sign by police dept. and submit regularly to G.S.P.H.C.L. Agency has to give minimum three services and demonstration per year and testing and training of pump during defect liability period and obtain necessary certificate from police department and submit to G.S.P.H.C.L. Agency has to do maintenance as per terms & condition alternative in tender.	1.00	PerJob/ Per Tower	5492.00	Rupees Five Thousand Four Hundred Ninety Two Only	5492.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
305	<p>Providing and fixing of <b>ABC Type Store Pressure Fire Extinguisher</b> Having capacity <b>6 kg</b> Filled with <b>Mono Ammonium Phosphate Powder 50%</b> confirms to IS 4308, Stored Pressure Type, UGTS Pressure Gauge, Can Height 530 mm, Diameter 150 ± 10mm, Discharge Time 24 Sec, Controllable discharge mechanism, Jet Range 5 Meters, Average Discharge is 92%, applicable on Class A,B &amp; C and electrically started Fire, <b>Fire Rating 4A:144B</b>, Can Construction : Deep drawn &amp; CO2 Mig welded, <b>EPDM(Ethylene Propylene Diene Monomer) Rubber Hose</b> with both end Aluminum clamped, <b>Internal Coating - Epoxy Powder coating, External Coating - Pure Polyester Powder coating (UV Resistant),Brass forged CE Marked valves with NRV &amp; Auto Safety Release</b> with safety Pin is of SS material, <b>Made up from 1.6mm thick sheet</b>, Extinguishers confirmed to IS 15683:2018 and ISI marked. Referance Weight:-Gross Weight 8.9 Kg, Empty Weight 2.9 Kg, 1. Necessary certificate &amp; and guarantee must be attached, 2. OEM has to provide wall mounting heavy duty bracket/clamp, screw, hardware for installation. 3.Following printed marking Manufacturing Date and Expiry Date must be mention on Extinguisher 4. Refilling period must be of 3 Years. Following Printed marking on equipment must be required:- Model No, Capacity, Gross Weight, Content, Fire Rating, Batch No, Serial no, Mfg Month, Refilling Due. [with necessary numbering / marking with oil paint by painter as instructions given by G.S.P.H.C.L engineer] (Make: KANEX, MINIMAX, CEASEFIRE)</p>	4.00	Nos.	1991.00	Rupees One Thousand Nine Hundred Ninety One Only	7964.00



Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
306	<p>Providing and fixing of <b>CO2 type High Pressure Portable 4.5 kg Fire Extinguisher</b>, filled with Co2 Gas as per IS 15222, Control discharge mechanism fitted with <b>1 Meter Wire Braided Hose &amp; Electrical non-conductor Polyethylene Flat Horn</b> with Diffuser Nozzle for dispersed discharge of CO2, Discharge Time 12 Sec, Average Discharge is 95%, Applicable on Class B, C and electrically started Fire, <b>Fire Rating 55B</b>, Internal coating is not applicable &amp; External coating is of enamel spray painting, Powder Coated Handle, <b>Valve Confirm to IS 3224 ISI Marked</b>, CO2 Cylinder construction: hot spinning by seamless pipes &amp; bearing ISI mark, <b>Body confirms to IS 7285 and PESO (Petroleum and Explosives Safety Organization) APPROVED, Minimum Wall Thickness 4 to 4.2 mm</b>, Extinguishers confirmed to IS 15683:2018 and ISI marked. Referance Weight:-Gross Weight 16.4, empty weight 11.9 Kg, 1. Necessary certificate &amp; and guarantee must be attached, 2. OEM has to provide wall mounting heavy duty bracket/clamp, screw, hardware for installation. 3.Following printed marking Manufacturing Date and Expiry Date must be mention on Extinguisher 4. Refilling period must be of 5 Years. Following Printed marking on equipment must be required:- Model No, Capacity, Gross Weight, Content, Fire Rating, Batch No, Serial no, Mfg Month, Refilling Due. [with necessary numbering / marking with oil paint by painter as instructions given by G.S.P.H.C.L engineer] (Make: KANEX, MINIMAX, CEASEFIRE)</p>	4.00	Nos.	6526.00	Rupees Six Thousand Five Hundred Twenty Six Only	26104.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
307	Supply, Installation, Testing & Commissioning of following size of Grid Tied Solar Power Plant with Solar Panels (ALMM approved): Frame Material : Anodized Aluminum alloy Frame With Twin Wall Profile, Front Cover: High Transmission Low-Iron Tempered Glass (AR Coated), High efficiency and positive power tolerance Pmax: 0/+5, Module Efficiency should be approx. 18%-21%, Normal operating temperature 45'C, Junction Box with Waterproof IP67 & MC4 Compatible and Enclosed with Bypass diodes, 100% Electroluminescence test to ensure error free Modules, Thep. temp. co-efficient of the PV module shall equal or better than 0.45%/degree C. Solar PV modules of minimum fill factor 75% to be used. Unit Production:- 4 to 5 Unit /kw /day (Actual)(1Year Avg) With 10 year Product warranty and 25 year Linear Power Warranty., Solar Inverter: MPPT Range: 80-1000 V, Max efficiency: 97.5% - 98.9%, O/p Frequency: 50/60Hz, Operating Altitude (m) ≤4000, O/p Power Factor: ~1, O/P THDi: <3%, Operating Tempreture Range: -25~60°C, Anti-islanding Protection:	7.00	PER KW	43645.00	Rupees Forty Three Thousand Six Hundred Forty Five Only	305515.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<p>Integrated, Input Reverse Polarity Protection Integrated, Insulation Resistor Detection Integrated, Residual Current Monitoring Unit Integrated, Output Over Current Protection Integrated, Output Short Circuit Protection Integrated, Output Over Voltage Protection Integrated, Protection Degree: IP65, User Interface LCD &amp; APP,Datalogger &amp; Communication: GPRS / Wi-Fi, Module Mounting Structure: Seamless Box Pipe / 'C' Channel of suitable size for rooftop solar installations with good stability against wind &amp; weight load., Hot Dipped Galvanized steel coils. suitable arrangement for base plate for foundation , solar panel mounting, the structure should be suitable for carry the load of solar panel,wiring, sprinkler system etc. with necessary foundation work/wall mount, j bolt, anchor fastner etc. the nut bolt used for installtion of stucture should be (SS 304) quality. and Balane of System with necessary Swithgears (Suitabel size and protection of ACDB &amp; DCDB), inter connecting wiring, earthing system, lightning arrester system, all liasoning work with various gov. department like state nodal agency,DISCOM &amp; CEIG is included in agency scope</p> <p>Excluding Items:</p> <p>1) GEDA Application fees, Solar connectivity Charges, Meter connectivity Charges, Meter testing Charges.</p> <p>2) ACDB to Solar Meter Cable Charge</p> <p>3) Only Earthing Wire for LPS System &amp; Earthing System</p> <p>4) AMC Charges (Detailed Specifications of all Components of Solar Panel are attached herewith)</p>					

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
	<p>Note 1: Fabrication design drawing shall be approved by structure consultant W.R.T. Wind velocity and weight of panel. Height of Structure shall be decided by GSPHCL &amp; Beneficiaries. So maintenance of terrace water proofing and easy access to all. Foundation and Anchor Bolt erection must be such as to avoid water leakage from slab. Civil &amp; Electrical Agency and GSPHCL Civil engineer have to decide the methodology of foundation work should be carried out under supervision of GSPHCL Civil Engineer.</p> <p>Note 2: Capacity of Solar Panel in Tender is approximately. Engineer In Charge (EIC) can increase and decrease the capacity in KW as per site requirement.</p> <p>Note 3: Any Subsidy received by the government towards the cost of solar roof tops will have to be deposited in the GSPHCL. Keeping this in mind, the agency will have to quote the rate in the tender. Grid Tied Solar Power System: 7 kW (3 - phase)</p>					
	<p>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 &amp; control wiring) with required size of copper lugs, nuts and bolts if required. <b>[g] One wire 16.00 sq. mm</b></p>	50.00	Mtr.	134.00	Rupees One Hundred Thirty Four Only	6700.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
308	Providing & erecting XLPE (IS : 7098) (I)-88 ISI marked unarmoured 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 1.0mm thick cable clamp or in existing DWC pipe underground or road crossing or floor. (a) For 4 core x 4 sq.mm. (From ACDB to Solar Meter)	35.00	Mtr.	236.00	Rupees Two Hundred Thirty Six Only	8260.00
309	Providing & fixing 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	30.00	Each	8.00	Rupees Eight Only	240.00
310	Providing & fixing PVC cable gland with rubber ring for P V C insulated unarmoured cable complete with outgoing tails, insulating tape etc. For following size cables. (a)For 2 to 4 core x 4.0 Sq. mm	4.00	Each	20.00	Rupees Twenty Only	80.00
311	Providing and erecting Medium Class FIA approved and ISI mark white colour (embossed) <b>RIGID PVC PIPES</b> of following size complete erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & clamps on / in wall / ceiling along with continuous fish wire to draw mains with necessary fittings and junction boxes for following dia. <b>(a) 20 mm. dia.</b>	50.00	Mtr.	23.00	Rupees Twenty Three Only	1150.00

Item No	Description	Qty	Unit	Estimated Rates		Amount
				Figure	Words	
[1]	[2]	[3]	[4]	[5]a		[6]
312	Executing Com of solar Pv Modules, Inverter, wiring,earthing,switchgears, etc with material and labour cost including preventive maintainance.The cost covers entire installation. AMC also includes monthly site visit and inspection of project with submission of inspection and solar generation report. All parts should be replaced/repared if found faulty within specified time. Agency has to provide necessary liasoning work for warranty,power,Bidirectional meter etc of following Capacity as per terms & condition of tender for defect liability period.Agency has to Compulsary submit FDR of approved bank as per clause 2.0 section 3 <b>Rs 77126.00+ GST</b> or quoted rate which ever is higher to GSPHCL,for minimum maturity period of four years in favour of GSPHC .Which will be released after succesfull completion of AMC & at the end of defect liability period.Solar Agency has to maintain record of service & maintenance during defect liability period duly sign by Benificiaries and submitted regularly to GSPHCL & also get satisfactory certificate from beneficiaries at the time of Defect liability period and copy of maintenance contract must be submitted during final bill. For 7 KW System	7.00	Per KW	11018.00	Rupees Eleven Thousand Eighteen Only	77126.00
					<b>Total in RS.</b>	<b>12702962.17</b>

**Executive Engineer**  
**G. S. P. H. C. Ltd.**  
**Junagadh**