

GUJARAT STATE POLICE HOUSING CORPORATION LTD. JUNAGADH

Name of Work :

Construction of ACB Police Station (G + 1) at Botad, Dist. Botad. [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.

15869567.35

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
1	Excavation for foundation upto 1.50mt. depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto any lead & Lift. [B] Dense or Hard Soil.	153.00	Cum	155.60	Rupees One Hundred Fifty Five And Paise Sixty Only	23806.80
2	Excavation for foundation upto 1.50mt. depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto any lead & Lift. [E] hard Rock	271.00	Cum	621.26	Rupees Six Hundred Twenty One And Paise Twenty Six Only	168361.46
3	Excavation for foundation upto 1.5 to 3.0 M. depth including sorting out and stacking of useful materials and disposing of the excavated stuff of any lead & Lift. [E] hard Rock	123.00	Cum	644.81	Rupees Six Hundred Forty Four And Paise Eighty One Only	79311.63
4	Excavation for foundation upto 3.0 to 5.0 M. depth including sorting out and stacking of useful materials and disposing of the excavated stuff of any lead & Lift. [E] Hard Rock	41.00	Cum	668.36	Rupees Six Hundred Sixty Eight And Paise Thirty Six Only	27402.76
5	Providing and laying cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and curing complete including cost of form work in FOUNDATION AND PLINTH.	13.00	Cum	3767.61	Rupees Three Thousand Seven Hundred Sixty Seven And Paise Sixty One Only	48978.93
6	Providing & laying Cement Concrete 1:3:6 (1 cement : 3 coarse sand : 6 M/C graded stone aggregates of 20 mm nominal size) curing complete including cost of formwork in FOUNDATION AND PLINTH.	12.40	Cum	3064.60	Rupees Three Thousand Sixty Four And Paise Sixty Only	38001.04

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
7	Providing and laying TMT Steel reinforcement (Grade Fe-500/500D) for RCC work including cutting,bending,binding and placing in position etc.comp for all floor. Steel must be used as per approved material list of Gsphcl.	30477.00	Kg	77.30	Rupees Seventy Seven And Paise Thirty Only	2355872.10
8	Providing & laying controlled cement concrete M- 250 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 Column Footing . Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	44.00	Cum	4722.70	Rupees Four Thousand Seven Hundred Twenty Two And Paise Seventy Only	207798.80
9	Providing & laying controlled cement concrete M- 250 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 Column Up to Plinth 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	9363.24	Rupees Nine Thousand Three Hundred Sixty Three And Paise Twenty Four Only	177901.56
10	Providing & laying controlled cement concrete M- 250 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 Wall up to Plinth level for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	21.00	Cum	8114.92	Rupees Eight Thousand One Hundred Fourteen And Paise Ninety Two Only	170413.32

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
11	Providing & laying Cement Concrete 1:4:8 (1 cement : 4 coarse sand : 8 M/C graded stone aggregates of 20 mm nominal size) curing complete including cost of formwork in FOUNDATION AND PLINTH.	59.50	Cum	2742.27	Rupees Two Thousand Seven Hundred Forty Two And Paise Twenty Seven Only	163165.07
12	Providing & laying controlled cement concrete M- 250 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 Plinth Beam for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	26.00	Cum	7318.96	Rupees Seven Thousand Three Hundred Eighteen And Paise Ninety Six Only	190292.96
13	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm.in foundation and plinth in cement mortar 1:6 (1-cement;6-coarse sand), Conventional bricks. Bricks with frog only shall be used.	113.00	Cum	4172.60	Rupees Four Thousand One Hundred Seventy Two And Paise Sixty Only	471503.80
14	HALF BRICK masonry 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 Foundation and Plinth.	5.00	Sqm	623.60	Rupees Six Hundred Twenty Three And Paise Sixty Only	3118.00
15	Honey comb masonry with using brick masonry in course in super structure with stone of approved quality in cement mortar 1:6 (1:Cement; 6: couse sand) including curing etc. complete. FOUNDATION AND PLINTH	5.00	Cum	2795.64	Rupees Two Thousand Seven Hundred Ninety Five And Paise Sixty Four Only	13978.20
16	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundation etc. in layers not exceeding 20 cms. in depth consolidation each deposited layer by ramming and watering.	128.00	Cum	135.56	Rupees One Hundred Thirty Five And Paise Fifty Six Only	17351.68

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
17	Filling in foundation and plinth with murrum or selected soil in layers of 20 cm. Thickness including watering, ramming and consolidating etc. complete.	615.00	Cum	298.79	Rupees Two Hundred Ninety Eight And Paise Seventy Nine Only	183755.85
18	Supplying and Filling in plinth with sand under floors including watering, ramming, consolidation and dressing etc.complete.	16.00	Cum	477.03	Rupees Four Hundred Seventy Seven And Paise Three Only	7632.48
19	Applying general insecticide pest control treatment to floors, cup boards etc., including labour, material etc. complete.	158.00	Sqm	38.70	Rupees Thirty Eight And Paise Seventy Only	6114.60
20	Providing and laying cement concrete 1:5:10 (1 cement ; 5 coarse sand; 10 hand broken stone aggregate 40mm nominal size) and curing complete including cost of form work in foundation and plinth.	16.00	Cum	2581.11	Rupees Two Thousand Five Hundred Eighty One And Paise Eleven Only	41297.76
21	Providing & laying controlled cement concrete M- 250 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 Coping for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	14.42	Cum	6173.41	Rupees Six Thousand One Hundred Seventy Three And Paise Forty One Only	89020.57
22	Providing & laying controlled cement concrete M-150 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 Grade slab for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	16.00	Cum	4129.08	Rupees Four Thousand One Hundred Twenty Nine And Paise Eight Only	66065.28

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
23	Providing & laying controlled cement concrete M- 200 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 Column for any cross sectional area at Ground Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	15.00	Cum	10783.57	Rupees Ten Thousand Seven Hundred Eighty Three And Paise Fifty Seven Only	161753.55
24	Providing & laying controlled cement concrete M- 200 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 Stair Case For All Floors Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	9.00	Cum	8441.06	Rupees Eight Thousand Four Hundred Forty One And Paise Six Only	75969.54
25	Providing & laying controlled cement concrete M- 200 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 Beam. for any cross sectional area at Ground Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	15.00	Cum	9079.22	Rupees Nine Thousand Seventy Nine And Paise Twenty Two Only	136188.30

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
26	Providing & laying controlled cement concrete M- 250 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 Beam. for any cross sectional area at Ground Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	3.00	Cum	9115.42	Rupees Nine Thousand One Hundred Fifteen And Paise Forty Two Only	27346.26
27	Providing & laying controlled cement concrete M- 200 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 SLAB having thickness of 10 cm. and upto 13 cms. for any cross sectional area at Ground Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	26.00	Cum	8054.30	Rupees Eight Thousand Fifty Four And Paise Thirty Only	209411.80
28	Providing & laying controlled cement concrete M- 200 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 SLAB having thickness of 13 cm. and upto 15 cms. for any cross sectional area at Ground Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	2.00	Cum	7627.60	Rupees Seven Thousand Six Hundred Twenty Seven And Paise Sixty Only	15255.20

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
29	Providing & laying controlled cement concrete M- 250 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 SLAB having thickness of 13 cm. and upto 15 cms. for any cross sectional area at Ground Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	10.50	Cum	7735.86	Rupees Seven Thousand Seven Hundred Thirty Five And Paise Eighty Six Only	81226.53
30	Providing & laying controlled cement concrete M- 200 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 Columns for any cross sectional area at FIRST FLOOR Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	15.00	Cum	10824.75	Rupees Ten Thousand Eight Hundred Twenty Four And Paise Seventy Five Only	162371.25
31	Providing & laying controlled cement concrete M- 200 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 Beam. for any cross sectional area at First Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	13.00	Cum	9120.40	Rupees Nine Thousand One Hundred Twenty And Paise Forty Only	118565.20

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
32	Providing & laying controlled cement concrete M- 200 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 SLAB having thickness of 10 cm. and upto 13 cms. for any cross sectional area at First Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	25.00	Cum	8095.48	Rupees Eight Thousand Ninety Five And Paise Forty Eight Only	202387.00
33	Providing & laying controlled cement concrete M-200 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 SLAB having thickness of 13cm and upto 15cm for any cross sectional area at First Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	4.00	Cum	7668.78	Rupees Seven Thousand Six Hundred Sixty Eight And Paise Seventy Eight Only	30675.12
34	Providing & laying controlled cement concrete M-200 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 Column for any cross sectional area at Second Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	7.00	Cum	10865.93	Rupees Ten Thousand Eight Hundred Sixty Five And Paise Ninety Three Only	76061.51

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[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
35	Providing & laying controlled cement concrete M-200 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 Beam. for any cross sectional area at Second Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	2.00	Cum	9161.58	Rupees Nine Thousand One Hundred Sixty One And Paise Fifty Eight Only	18323.16
36	Providing & laying controlled cement concrete M-200 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 SLAB having thickness of 13 cm. and upto 15 cms. for any cross sectional area at Second Floor Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	5.00	Cum	7709.96	Rupees Seven Thousand Seven Hundred Nine And Paise Ninety Six Only	38549.80
37	Providing and laying autoclaved aerated sand based cement concrete (AAC) masonry blocks confirming to IS 2185 (part-3) having compressive strength not less than 4.0 N/mm ² (heavy strength) and jointed with blockjointing adhesive mortar having tensile strength of not less than 0.8n/mm ² and ensuring long lasting thermal insulation according to european norms (EN 13501-2) suitable for high performance of external & internal concrete masonry walls, joint having thickness in thin layer of 3mm to 4mm between masonry units. masonry blocks need not to pre-wet the blocks or post cure the wall with water. for Ground Floor.	82.50	Cum	5990.42	Rupees Five Thousand Nine Hundred Ninety And Paise Forty Two Only	494209.65

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
38	Providing & laying controlled cement concrete M- 200 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 Lintel Band for any cross sectional area at Ground Floor . Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	10.00	Cum	6137.22	Rupees Six Thousand One Hundred Thirty Seven And Paise Twenty Two Only	61372.20
39	Providing & laying controlled cement concrete M-200 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 Lintel for any cross sectional area at Ground Floor . Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	3.50	Cum	8789.99	Rupees Eight Thousand Seven Hundred Eighty Nine And Paise Ninety Nine Only	30764.97
40	Providing & laying controlled cement concrete M-200 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 finishing smooth for R.C.C. Chhajjas 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.	5.00	Cum	9756.93	Rupees Nine Thousand Seven Hundred Fifty Six And Paise Ninety Three Only	48784.65

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
41	Providing and laying autoclaved aerated sand based cement concrete (AAC) masonry blocks confirming to IS 2185 (part-3) having compressive strength not less than 4.0 N/mm ² (heavy strength) and jointed with blockjointing adhesive mortar having tensile strength of not less than 0.8n/mm ² and ensuring long lasting thermal insulation according to european norms (EN 13501-2) suitable for high performance of external & internal concrete masonry walls, joint having thickness in thin layer of 3mm to 4mm between masonry units. masonry blocks need not to pre-wet the blocks or post cure the wall with water. for First Floor.	69.00	Cum	6032.12	Rupees Six Thousand Thirty Two And Paise Twelve Only	416216.28
42	Providing & laying controlled cement concrete M- 200 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 Lintel Band for any cross sectional area at First Floor. Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	9.00	Sqm	6219.58	Rupees Six Thousand Two Hundred Nineteen And Paise Fifty Eight Only	55976.22
43	Providing & laying controlled cement concrete M-200 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 Lintel for any cross sectional area at First Floor. Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	2.00	Cum	8831.17	Rupees Eight Thousand Eight Hundred Thirty One And Paise Seventeen Only	17662.34

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
44	Providing and laying autoclaved aerated sand based cement concrete (AAC) masonry blocks confirming to IS 2185 (part-3) having compressive strength not less than 4.0 N/mm ² (heavy strength) and jointed with blockjointing adhesive mortar having tensile strength of not less than 0.8n/mm ² and ensuring long lasting thermal insulation according to european norms (EN 13501-2) suitable for high performance of external & internal concrete masonry walls, joint having thickness in thin layer of 3mm to 4mm between masonry units. masonry blocks need not to pre-wet the blocks or post cure the wall with water. for Second Floor.	34.00	Cum	6073.82	Rupees Six Thousand Seventy Three And Paise Eighty Two Only	206509.88
45	Providing & laying controlled cement concrete M- 200 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 Lintel Band for any cross sectional area at Second Floor. Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	5.00	Sqm	6219.58	Rupees Six Thousand Two Hundred Nineteen And Paise Fifty Eight Only	31097.90
46	Providing & laying controlled cement concrete M-200 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 Lintel for any cross sectional area at Second Floor. Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	0.50	Cum	8872.35	Rupees Eight Thousand Eight Hundred Seventy Two And Paise Thirty Five Only	4436.18

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
47	Providing, Supplying and Fixing of 32mm (Total) Thick Double Flush Door Shutter with 1mm Thick Laminates on Both Side of Shutter. Making / Construction of Flush Door is with Pine or southern Yellow Pine Filler and 2.5mm core veneer Both Side and 0.4mm Face Veneer on Both Side with Lock rail on Center. Flush Door Provide with Teak wood beading patti (32mm X 12mm) on Peripheries of Flush Door with Door Frame of Non Teak Solid Wood of size 150mm x 70mm 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.	4.00	Sqm	11088.83	Rupees Eleven Thousand Eighty Eight And Paise Eighty Three Only	44355.32
	Rates are also Inclusive of all Labors & Proviging 15cm. Long 8 No of Hold Fast (25mm X 5mm) & 8 No of 6 Inch S.S. but Hinges, 100mm x 75 mm x 3mm thick, required Screw & Nails per Frame and Fixing following S.S. Fixtures And Fastening. (1) Aldrops 2 No, 250mm x 16mm, (2) Door Stopper 2 No, 100mm Long, (3) Double Leg Heavy Push Door Stopper 2 No & (4) Handle 4 No, 150mm Long X 10mm thick. Door are Fixing as per Details Drawing & Instruction of Engineer in charge. All Materials Used Shall be as Per approved Material Make List of G.S.P.H.C. The Required Frame is to be Obtained from Vanil Udhyog Maked Only.					

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
48	Providing, Supplying and Fixing of 32mm (Total) Thick Double Flush Door Shutter with 1mm Thick Laminates on Both Side of Shutter. Making / Construction of Flush Door is with Pine or southern Yellow Pine Filler and 2.5mm core veneer Both Side and 0.4mm Face Veneer on Both Side with Lock rail on Center. Flush Door Provide with Teak wood beading patti (32mm X 12mm) on Peripheries of Flush Door with Door Frame of Non Teak Solid Wood of size 120mm x 65mm 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.	25.00	Sqm	8984.16	Rupees Eight Thousand Nine Hundred Eighty Four And Paise Sixteen Only	224604.00
	Rates are also Inclusive of all Labors & Proviging 15cm. Long 8 No of Hold Fast (25mm X 5mm) & 8 No of 6 Inch S.S. but Hinges, 100mm x 75 mm x 3mm thick, required Screw & Nails per Frame and Fixing following S.S. Fixtures And Fastening. (1) Aldrops 2 No, 250mm x 16mm, (2) Door Stopper 2 No, 100mm Long, (3) Double Leg Heavy Push Door Stopper 2 No & (4) Handle 4 No, 150mm Long X 10mm thick. Door are Fixing as per Details Drawing & Instruction of Engineer in charge. All Materials Used Shall be as Per approved Material Make List of G.S.P.H.C. The Required Frame is to be Obtained from Vanil Udhyog Maked Only.					

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
49	Providing, Supplying and Fixing of 32MM (Total) Thick Flush Door Shutter with 1 mm Thick Laminates on Both Side of Shutter (Laminates Shall be Durain, Archid, Aica, Royal Crown, Royal Touch Brand only) 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 Centre. Flush Door Provide with Teak wood beading Patti (32mm X 12mm) on Peripheries of Flush Door with Matching Laminate Paint with Non Teak wood Door Frame of 100mm x 60mm Prepare by VANIL UDHYOG Including Paint Matching with Laminates. Flush Door Shutter having 05 Years Warranty against Attach 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. Door Frame Frame and Shutter Shall be brought to Site in Packed PVC Bags & PVC Coating shall be removed on Completion of Work in such a wasubmitted regularly to G.S.P.H.C.L. & also get satisfactory cert	8.00	Sqm	8407.55	Rupees Eight Thousand Four Hundred Seven And Paise Fifty Five Only	67260.40
	Rates are also Inclusive of all Labors & Proviging 15cm. Long 8 No of Hold Fast (25mm X 5mm) & 8 No of 6 Inch S.S. but Hinges, 100mm x 75 mm x 3mm thick, required Screw & Nails per Frame and Fixing following S.S. Fixtures And Fastening. (1) Aldrops 2 No, 250mm x 16mm, (2) Door Stopper 2 No, 100mm Long, (3) Double Leg Heavy Push Door Stopper 2 No & (4) Handle 4 No, 150mm Long X 10mm thick. Door are Fixing as per Details Drawing & Instruction of Engineer in charge. All Materials Used Shall be as Per approved Material Make List of G.S.P.H.C. The Required Frame is to be Obtained from Vanil Udhyog Maked Only.					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
50	Providing and fixing Consealed Cock Heavy Duty stop cock with Exposed part and other accessories 15mm Dia with all necessary fittings Consealed Cock shall be as per approved make of GSPHCL make list .	7.00	No.	942.54	Rupees Nine Hundred Forty Two And Paise Fifty Four Only	6597.78
51	Providing and Fixing Granite of Telephonic Black Colour 15 to 18mm thick for jambs and sills of doors & windows 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.	99.00	Sqm	2428.00	Rupees Two Thousand Four Hundred Twenty Eight Only	240372.00
52	Providing and fixing chicken wire mesh Jali 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.	321.00	Sqm	64.06	Rupees Sixty Four And Paise Six Only	20563.26
53	Providing 10mm. thick cement plaster in single coat on ceiling for interior plastering and finished even and smooth in C:M 1:3 (1 cement; 3 sand) including finishing with a floating coat of neat cement slurry at Ground Floor.	195.00	Sqm	220.13	Rupees Two Hundred Twenty And Paise Thirteen Only	42925.35
54	Providing 15 mm. thick cement plaster in single coat on wall for interior plastering and finished even and smooth in C:M 1:4 (1 cement; 4 sand) including finishing with a floating coat of neat cement slurry at Ground Floor.	565.00	Sqm	220.46	Rupees Two Hundred Twenty And Paise Forty Six Only	124559.90
55	Providing 10 mm thick cement PLASTER in single coat on ceilings for interior plastering and finished even & smooth in C.M. 1: 3 (1 cement : 3 sand) including finishing with a floating coat of neat cement slurry at First Floor.	177.00	Sqm	246.61	Rupees Two Hundred Forty Six And Paise Sixty One Only	43649.97

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
56	Providing 15 mm thick cement PLASTER in single coat on brick or concrete wall for interior plastering and finished even and smooth in C.M. 1:4 (1 cement : 4 sand) including finishing with floating coat of neat cement slurry at First Floor.	497.00	Sqm	248.93	Rupees Two Hundred Forty Eight And Paise Ninety Three Only	123718.21
57	Providing 10 mm thick cement PLASTER in single coat on ceilings for interior plastering and finished even & smooth in C.M. 1: 3 (1 cement : 3 sand) including finishing with a floating coat of neat cement slurry at Second Floor.	26.00	Sqm	273.09	Rupees Two Hundred Seventy Three And Paise Nine Only	7100.34
58	Providing 15 mm thick cement PLASTER in single coat on brick or concrete wall for interior plastering and finished even and smooth in C.M. 1:4 (1 cement : 4 sand) including finishing with floating coat of neat cement slurry at Second Floor.	146.00	Sqm	277.40	Rupees Two Hundred Seventy Seven And Paise Forty Only	40500.40
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]	621.00	Sqm	339.02	Rupees Three Hundred Thirty Nine And Paise Two Only	210531.42
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.	645.00	Sqm	519.20	Rupees Five Hundred Nineteen And Paise Twenty Only	334884.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
61	Providing 10mm thick cement plaster in single coat of interior plastering and finished even and smooth in cement mortar 1:3 (1 cement; 3 sand) and finishing with a floating coat of neat cement slurry including providing and mixing I.S.I. make water proofing material in cement mortar in proportion recommended by the manufacturer for All Floors.	197.50	Sqm	230.62	Rupees Two Hundred Thirty And Paise Sixty Two Only	45547.45
62	Providing CEMENT VATA (10cm x 10cm) size quarter round in cement mortar (1 : 1) including neat cement finishing, watering etc. Complete.	242.00	Rmt	24.04	Rupees Twenty Four And Paise Four Only	5817.68
63	Providing and laying acrylic base (zycosil) equivalent 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 treatment shall be carried out over and above water proofing cement plaster	43.00	Sqm	110.70	Rupees One Hundred Ten And Paise Seventy Only	4760.10
64	Providing and fixing Multi way U.PVC/SWR Nahni Trap 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.	15.00	No.	580.47	Rupees Five Hundred Eighty And Paise Forty Seven Only	8707.05
65	Providing and filling CINDER including watering, consolidation etc.. Complete.	15.00	Cum	791.68	Rupees Seven Hundred Ninety One And Paise Sixty Eight Only	11875.20
66	Providing and laying ordinary cement concrete 1:2:4 (1 cement; 2 coarse sand; 4 graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coat of neat cement (B) 50mm thick IPS for ALL FLOORS.	2.00	Sqm	335.72	Rupees Three Hundred Thirty Five And Paise Seventy Two Only	671.44

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
67	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)	186.50	Sqmt	890.36	Rupees Eight Hundred Ninety And Paise Thirty Six Only	166052.14
	<p>(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</p> <p>(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</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[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>					
68	<p>Providing, Fabricating and fixing M.S. GRILL/GATE of approved pattern fabricated from M.S. flat,square bars, round bars,c-channel, box pipe as per detail Drawings. Rate is inclusive of welding with grinding smooth surface, two coats of Oil paint and one coat of yellow Zinc primer coat of approved brand only. Oil paint shall be Luxol Enamel paint of Berger Paint india limited. or asian paint apcolite premium gloss Enamel of asian paint or Dulux premium gloss enamel of dulux paint and nerolac synthetics enamel of nerolac paint for all floor and at any height only. Used Structure steel Mebmer ISI Mark Only.</p>	4220.00	Kg	75.11	Rupees Seventy Five And Paise Eleven Only	316964.20
69	<p>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.</p>	25.00	Quntl	9018.30	Rupees Nine Thousand Eighteen And Paise Thirty Only	225457.50

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
70	P & F to Wall Ceiling 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. [Pipe Fixing Single Pipe Bracket System with U Bolt Rubber mounted for Pipe Supporting Clamping System or S4 Channel System (S4 Channel+Profile Bracket + U Bolt For Multi pipe fixing & paid Separately in Number Base] for 90 mm dia. Pipe.	126.00	Rmt.	302.54	Rupees Three Hundred Two And Paise Fifty Four Only	38120.04
71	Providing and fixing to wall ceiling and floor U.PVC/S.W.R. soil waste pipe 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. [Pipe Fixing Single Pipe Bracket System with U Bolt Rubber mounted for Pipe Supporting Clamping System or S4 Channel System (S4 Channel+Profile Bracket + U Bolt For Multi pipe fixing & paid Separately in Number Base] etc.complete and making good the wall ceiling and floor. (A) 75mm dia	103.00	Rmt.	245.74	Rupees Two Hundred Forty Five And Paise Seventy Four Only	25311.22
72	Providing and fixing to wall ceiling and floor U.PVC/S.W.R. soil waste pipe 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. [Pipe Fixing Single Pipe Bracket System with U Bolt Rubber mounted for Pipe Supporting Clamping System or S4 Channel System (S4 Channel+Profile Bracket + U Bolt For Multi pipe fixing & paid Separately in Number Base] etc.complete and making good the wall ceiling and floor. (B) 110mm dia	74.00	Rmt.	471.36	Rupees Four Hundred Seventy One And Paise Thirty Six Only	34880.64
73	Providing and fixing in position PVC COWEL VENT to pipe 75 mm dia directed.	6.00	No.	16.47	Rupees Sixteen And Paise Forty Seven Only	98.82

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
74	Providing and fixing in position PVC COWEL VENT to pipe 110 mm dia directed.	7.00	No.	28.16	Rupees Twenty Eight And Paise Sixteen Only	197.12
75	Providing & Laying 24" x 24" Double Charge vitrified 8 to 10 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive including dismantling of existing flooring and material jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. size and shade as per approved drawings or as per diection of engineer in charge.	285.00	Sqm	1513.90	Rupees One Thousand Five Hundred Thirteen And Paise Ninety Only	431461.50
76	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. size and shade as per approved drawings or as per diection of engineer in charge.	24.00	Sqm	1445.20	Rupees One Thousand Four Hundred Forty Five And Paise Twenty Only	34684.80
77	Providing & Laying 24" x 24" Double Charge vitrified 8 to 10 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive including dismantling of existing flooring and material jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for Anti Skid .	35.00	Sqm	1453.19	Rupees One Thousand Four Hundred Fifty Three And Paise Nineteen Only	50861.65
78	Providing and laying Ceramic tiles 8mm thick in riser of steps and dado on a bed of 10mm thick cement mortar 1:3 (1-cement : 3 coarse sand) finishing with white cement slurry.	138.00	Sqmt	1013.75	Rupees One Thousand Thirteen And Paise Seventy Five Only	139897.50

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
79	Providing and laying 25mm thick mirror Polished (Dimond Cut) 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.	14.00	Sqmt	1108.30	Rupees One Thousand One Hundred Eight And Paise Thirty Only	15516.20
80	Providing and Laying Double Pre Polished (Dimond Cut) 25mm Thick Polished Kota Stone in Skirtings over 10mm thick base of cement mortar 1 : 3 (1-Cement :3-Coarse Sand) laid over and jointed with grey cement slurry including Rubbing and Polishing etc. Complete for ALL FLOORS.	4.00	Sqmt	1197.10	Rupees One Thousand One Hundred Ninety Seven And Paise Ten Only	4788.40
81	Providing and fixing both side Mirror polished machine cut KOTA STONE shelf/ 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.	32.00	Sqm	793.90	Rupees Seven Hundred Ninety Three And Paise Ninety Only	25404.80
82	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.	63.00	Sqm	2247.24	Rupees Two Thousand Two Hundred Forty Seven And Paise Twenty Four Only	141576.12
83	Providing and fixing both side mirror polished machine cut granite shelf/partation 18mm thick embaded in to wall at support including racking and finishing smooth the surface including cutting of stone as and where required etc compite including rounding of exposed edgrs etc complite.	2.00	Sqm	2115.40	Rupees Two Thousand One Hundred Fifteen And Paise Forty Only	4230.80

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
84	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	3.00	Rmt	3797.65	Rupees Three Thousand Seven Hundred Ninety Seven And Paise Sixty Five Only	11392.95
85	Providing and fixing stainless steel (304 Grade) 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. S.S.Kitchen Sink Shall be of Nirali, Navkar, Carysil, Krishna make Only	1.00	No	4269.00	Rupees Four Thousand Two Hundred Sixty Nine Only	4269.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
86	Providing and fixing Alluminium section window having extruded Aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm (of Jindal Section no:2459 @ wt.of 0.738 Kg/mt), horizontal Three track member size 92mm x 31.75mm x 1.30mm (of Jindal Section no:8688,@ Wt.1.07 Kg/mt), vertical member of size 92mm x 31.75mm x 1.50mm (of Jindal Section no:8933,@ Wt. 1.06 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8947@ wt.of 0.456 Kg/mt), vertical member of size 40mm x 18mm x 1.29 mm (of Jindal Section no:8949 @ 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 including one mosquito jali shutter With Both Side Locking Arrangment for ALL FLOORS.	21.00	Sqm	1807.10	Rupees One Thousand Eight Hundred Seven And Paise Ten Only	37949.10
87	Providing and fixing window having extruded alluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95mm, @Wt1.094 Kg/Rmt, horizontal two track member size 61.85mm x31.75mm x1.20mm @wt.of 0.695Kg/mt, vertical member of size 61.85mmx 31.75mmx 1.30mm @ wt.of 0.659Kg/mt with sliding shutters of horizontal member size 40mmx 18mmx 1.29mm @wt.of 0.456Kg/mt, vertical member of size 40mmx 18mmx 1.29mm @ wt.of 0.456Kg/mt, @ Wt.0.457 Kg/mt with 5mmthick transparent bronze colour tinted float glass with powder coated alluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etccomplete for window	28.75	Sqm	1696.73	Rupees One Thousand Six Hundred Ninety Six And Paise Seventy Three Only	48780.99

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
88	Providing and fixing standard extruded of aluminium section of size 63mm x 38.10mm x 1.2mm (Jindal Section :2434, @ Wt. 0.643 Kg/mt) with colour anodized aluminium 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
89	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.	20.00	Sqm	4512.90	Rupees Four Thousand Five Hundred Twelve And Paise Ninety Only	90258.00
90	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 water of following dia nominal bore tube fitting and clamps including making good the wall, ceiling and floor etc..complete. [B] 20 mm inner dia.	74.00	Rmt	206.73	Rupees Two Hundred Six And Paise Seventy Three Only	15298.02
91	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 inner dia.	45.00	Rmt	251.31	Rupees Two Hundred Fifty One And Paise Thirty One Only	11308.95

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
92	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) [E] 40 mm inner dia.	64.00	Rmt	443.29	Rupees Four Hundred Forty Three And Paise Twenty Nine Only	28370.56
93	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) [F] 50 mm inner dia.	93.00	Rmt	654.04	Rupees Six Hundred Fifty Four And Paise Four Only	60825.72
94	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) [G] 65 mm inner dia.	47.00	Rmt	1312.94	Rupees One Thousand Three Hundred Twelve And Paise Ninety Four Only	61708.18
95	Providing and 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 oil painting outside the tank etc. complete.	10000.00	Liters	3.91	Rupees Three And Paise Ninety One Only	39100.00
96	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 25 mm dia.	4.00	No.	416.47	Rupees Four Hundred Sixteen And Paise Forty Seven Only	1665.88

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
97	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 40 mm dia.	9.00	No.	656.86	Rupees Six Hundred Fifty Six And Paise Eighty Six Only	5911.74
98	Providing and fixing gun metal check or non return full way wheel valve 50mm (ISI Marked approved brand).	2.00	No.	2302.33	Rupees Two Thousand Three Hundred Two And Paise Thirty Three Only	4604.66
99	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and watertight precast R.C.C. cover with frame of 300 mm. x 300 mm. size (Inside) with standard weight: (A) square mouth trap 100 mm. x 100 mm. size P trap.	13.00	No.	1176.94	Rupees One Thousand One Hundred Seventy Six And Paise Ninety Four Only	15300.22
100	Providing and fixing G.I.Rain Water Spout of 50mm Dia. and 30Cm Length	4.00	No.	100.90	Rupees One Hundred And Paise Ninety Only	403.60
101	Finishing Ceiling / Slope Surfaces with Plastic Emulsion Paint on Ceiling / Slope Surfaces (Two Coats) to give an Required shape and even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials 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. Fine Putty Primer and Plastic Emulsion Paint Shall be used as per approved material list by GSPHC.	398.00	Sqm	193.02	Rupees One Hundred Ninety Three And Paise Two Only	76821.96

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
102	Finishing wall with Plastic Emulsion Paint on wall Surfaces (Two Coats) to give an Required shape and even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials 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. Putty, Primer and Plastic Emulsion Paint Shall be used as per approved material list by GSPHC.	1146.00	Sqm	179.92	Rupees One Hundred Seventy Nine And Paise Ninety Two Only	206188.32
103	Finishing walls with Weather Proof Exterior Emulsion Paint on Wall Surfaces (Two Coats) over and above Applying one coat of Primer to give an Required shape and even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc. complete. Primer and Exterior Emulsion Paint shall be used as per approved material list of GSPHCL.	1298.00	Sqm	153.35	Rupees One Hundred Fifty Three And Paise Thirty Five Only	199048.30
104	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 cleanicn the surface of all dirt, dust and other foreign matter.	63.00	Sqm	99.26	Rupees Ninety Nine And Paise Twenty Six Only	6253.38
105	Providing & Fixing Wall Hung 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.	7.00	No.	5470.90	Rupees Five Thousand Four Hundred Seventy And Paise Ninety Only	38296.30

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
106	Providing & Fixing Health Faucets (ABS Body) . Rate are inclusive of all materials, Labour & Necessary Fittings etc. Complete 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.	7.00	No.	565.51	Rupees Five Hundred Sixty Five And Paise Fifty One Only	3958.57
107	Providing & Fixing Single Hole Wash Basin with C.I or M.S. brackete & M. I . fisher union, P.V.C water pipe with Connection from Stop Cock to Pillar Tap, PVC Bottle Trap with Connection 32mm dia. C.P. brassa waste coupling etc. Complete. Rate are inclusive of all materials, 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.	10.00	No.	3935.33	Rupees Three Thousand Nine Hundred Thirty Five And Paise Thirty Three Only	39353.30
108	Providing & Fixing Urinal with P.V.C water pipe , 32mm dia. C.P. brassa waste coupling with Connection 32mm dia waste Pipe etc. Complete. Rate are inclusive of all materials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Urinal Shall be as per the Approved Make List of GSPHCL.	5.00	No.	2098.98	Rupees Two Thousand Ninety Eight And Paise Ninety Eight Only	10494.90
109	Providing & Fixing STOP/Angle COCK 15mm dia make & Model No As per Approved material list of G.S.P.H.C.Ltd Incl. with all neccery fitting etc. Complete.	16.00	No.	665.51	Rupees Six Hundred Sixty Five And Paise Fifty One Only	10648.16
110	Providing & Fixing 15mm One way Bib Tap with Wall Flange . Rate are inclusive of all materials, Labour & Necessary Fittings etc. Complet as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of 15mm One way Bib Tap Shall be as per the Approved Make List of G.S.P.H.C.L.	14.00	No.	990.61	Rupees Nine Hundred Ninety And Paise Sixty One Only	13868.54

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
111	Providing & Fixing Two way Bib Tap with Wall Flange. Rate are inclusive of all materials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Two way Bib Tap Shall be as per the Approved Make List of G.S.P.H.C.L.	7.00	No	1309.39	Rupees One Thousand Three Hundred Nine And Paise Thirty Nine Only	9165.73
112	Providing & Fixing Wall Mounted Sink Cock with Extended Swivel Spout & Wall Flange . Rate are inclusive of all materials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Sink Cock Shall be as per the Approved Make List of GSPHCL.	1.00	No	1330.32	Rupees One Thousand Three Hundred Thirty And Paise Thirty Two Only	1330.32
113	Providing and fixing 600mm x 450mm bevelled edge Mirror 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.	10.00	No.	850.90	Rupees Eight Hundred Fifty And Paise Ninety Only	8509.00
114	Providing & Fixing Towel Rod . Rate are inclusive of all materials, 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.	7.00	No.	1078.70	Rupees One Thousand Seventy Eight And Paise Seventy Only	7550.90
115	Providing & Fixing Towel Ring . Rate are inclusive of all materials, 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.	10.00	No.	909.08	Rupees Nine Hundred Nine And Paise Eight Only	9090.80
116	Providing & Fixing SHOWER WITH ARMS Model no as per approved material list of GSPHCL incl. all necessary fitting	6.00	No.	931.79	Rupees Nine Hundred Thirty One And Paise Seventy Nine Only	5590.74
117	Providing and fixing SS Cloth Hanger (5 Hook) as per detail Drawing & as directed Engineer In charge, Rate are inclusive of all material, Labour, Taxes (Samrat Brand)	13.00	No.	249.85	Rupees Two Hundred Forty Nine And Paise Eighty Five Only	3248.05

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
118	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.	70.00	No.	182.83	Rupees One Hundred Eighty Two And Paise Eighty Three Only	12798.10
119	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	90.00	No	421.58	Rupees Four Hundred Twenty One And Paise Fifty Eight Only	37942.20
120	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.	98.00	Rmt	82.80	Rupees Eighty Two And Paise Eighty Only	8114.40
121	Moulding of Kota stone / Granite Stair Tread complete as per direction of Engineer In Charge.	98.00	Rmt	129.95	Rupees One Hundred Twenty Nine And Paise Ninety Five Only	12735.10
122	SS Railing Providing & fixing of stainless steel 304 grade pipe railing 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. Only 16 gauge Stainless Steel Material should be used.	14.00	Rmt	3143.43	Rupees Three Thousand One Hundred Forty Three And Paise Forty Three Only	44008.02

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
123	Fabrication, Supply and Installation of stainless steel (Grade - 304) Railing using hand rail single Pipe section 2" and Round pipe section 2" both these with necessary fixtures fittings, brush finish, proper buffing & Cleaning the welding marks etc. complete as per detail drawing OR as directed by the Architect / Engineering in Charge. Only 16 gauge Stainless Steel Material should be used.	24.00	Rmt	911.03	Rupees Nine Hundred Eleven And Paise Three Only	21864.72
124	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	47.00	Rmt	71.01	Rupees Seventy One And Paise One Only	3337.47
125	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.	37.00	Rmt	57.02	Rupees Fifty Seven And Paise Two Only	2109.74
126	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
127	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	23.00	No.	1585.00	Rupees One Thousand Five Hundred Eighty Five Only	36455.00
128	Providing & Fixing 3mm thick acrylic sheet with Vinyl letter color-2073-dark grey for back ground and color-2199-white letter with required screws...etc as per required sizes complete etc as per specification & instruction of Engineer Incharge.	2.50	sqm	7193.88	Rupees Seven Thousand One Hundred Ninety Three And Paise Eighty Eight Only	17984.70
129	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]	30.00	No.	1139.48	Rupees One Thousand One Hundred Thirty Nine And Paise Forty Eight Only	34184.40
130	Providing a I.S.I. mark 7 levers three key brass pad lock of NAVATAL (Godrej) make 65mm dia on completion of project.	15.00	No.	211.86	Rupees Two Hundred Eleven And Paise Eighty Six Only	3177.90

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
131	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.	171.00	Rmt	371.21	Rupees Three Hundred Seventy One And Paise Twenty One Only	63476.91
132	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. complete.	200.73	Sqm	699.93	Rupees Six Hundred Ninety Nine And Paise Ninety Three Only	140496.95
133	Providing and lowering laying and jointing in position C.I. D/F. Sluice valves 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) [2] 50mm Dia	4.00	Nos	2316.00	Rupees Two Thousand Three Hundred Sixteen Only	9264.00
134	Providing and fixing cast iron steps of size 500mm x 150mm x 22.5mm and painting with two coats of Anti-corrosive paint etc. complete.	16.00	Nos	150.00	Rupees One Hundred Fifty Only	2400.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
135	Constructing Brick work using common burnt clay Building Brick masonry block in course for under ground inspection chamber and bends with stone of approved quality in cement mortar 1:5 R.C.C top slab with 1:2:4 mix (1cement; 2 coarse sand; 4 graded stone aggregates of 20 mm nominal size) with 8mm dia. Steel at 15cm c/c and providing and fixing 45 x 45 x 5mm angle frame so as to provide of size 450mm x 600mm & fixing precast R.C.C cover of size 60cm x 45cm x7cm foundation concrete 1:5:10 inside plaster 15 mm thick with cement mortar 1:3 finished smooth with floating coat of neat cement on walls and bed concrete etc. comp. Rate are also inclusive of outside plaster 15mm thick in cm 1:3 from top of chamber and all side up to 15cm deep below ground level. (I) Inside dimensions are 455mm X 610mm X 450mm deep for multi purpose pipe line.	26.00	Nos	4256.18	Rupees Four Thousand Two Hundred Fifty Six And Paise Eighteen Only	110660.68
136	Extra over above item for additional depth of 0.1 m or part thereof beyond 450mm depth for brick masonry chamber for (I) 610 x 455	36.00	Nos	239.99	Rupees Two Hundred Thirty Nine And Paise Ninety Nine Only	8639.64

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
137	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. (100mm ID Dia) 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 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	36.00	Rmt	229.00	Rupees Two Hundred Twenty Nine Only	8244.00
	(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.					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[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. (150 mm ID Dia) 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 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	99.00	Rmt	396.00	Rupees Three Hundred Ninety Six Only	39204.00
	(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.					
139	Providing & Laying (to level & slopes) and jointing reinforced concrete light duty,non pressure pipes I.S. class NP2 of 300mm dia. With collars and butt ends prepared for collar joints including testing of joint etc.complete	8.00	Rmt	429.98	Rupees Four Hundred Twenty Nine And Paise Ninety Eight Only	3439.84
140	Providing & Laying (to level & slopes) and jointing reinforced concrete light duty,non pressure pipes I.S. class NP2 of 150mm dia. With collars and butt ends prepared for collar joints including testing of joint etc.complete	38.00	Rmt	248.06	Rupees Two Hundred Forty Eight And Paise Six Only	9426.28

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
141	Providing & Laying (to level & slopes) and jointing reinforced concrete light duty, non pressure pipes I.S. class NP2 of 250mm dia. With collars and butt ends prepared for collar joints including testing of joint etc. complete	30.00	Rmt	356.28	Rupees Three Hundred Fifty Six And Paise Twenty Eight Only	10688.40
142	Providing & Fixing Precast R.C.C. Frame with Cover MD 10 Ton (Rubber Mould Finish) inner size 600 x 450mm with All Neccery Fittings.	7.00	Nos	1702.00	Rupees One Thousand Seven Hundred Two Only	11914.00
143	Providing and Corrugated JSW Pre coated sheet 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)	43.00	Sqm	984.37	Rupees Nine Hundred Eighty Four And Paise Thirty Seven Only	42327.91
144	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
145	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.	90.00	Rmt	1085.00	Rupees One Thousand Eighty Five Only	97650.00
146	Providing and fixing 200mm dia PVC cap with locking arrangement.	1.00	Nos	640.00	Rupees Six Hundred Forty Only	640.00
147	Providing and fixing to wall ceiling and floor 4kg/ cm ² working pressure I.S.I mark PVC pipe of 160mm dia 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

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
148	Box cutting the road surface to proper slope and chamber for making a base for road work including removing the excavated stuff and disposing on the road side slope as directed upto 50m lead.	73.00	Cum	108.33	Rupees One Hundred Eight And Paise Thirty Three Only	7908.09
149	Granular Sub-base with Black trap crushed stone coarse Graded Material (Table 400.2) By Mix in Place Method Construction of granular sub-base by providing Black trap crushed stone well 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 Technical Specification Clause 401. For Grading I Material.	22.00	Cum	1193.58	Rupees One Thousand One Hundred Ninety Three And Paise Fifty Eight Only	26258.76
150	(I) Supplying of murrum/binding material	7.00	Cum	303.20	Rupees Three Hundred Three And Paise Twenty Only	2122.40
151	Spreading blindage/murrum/road crust filling the gaps in metal and levelling to camber and gradient as directed.	7.00	Cum	153.31	Rupees One Hundred Fifty Three And Paise Thirty One Only	1073.17
152	WBM Grading 3 Providing, laying, spreading and compacting stone aggregates of 53 to 22.4 mm sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 3 as per Technical Specification Clause 405. By Manual Means	33.00	Cum	1625.49	Rupees One Thousand Six Hundred Twenty Five And Paise Forty Nine Only	53641.17
153	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.	615.00	Sqm	15.72	Rupees Fifteen And Paise Seventy Two Only	9667.80

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
154	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.	37.00	Cum	4722.38	Rupees Four Thousand Seven Hundred Twenty Two And Paise Thirty Eight Only	174728.06
155	Cat Eye / Road Stud / RPM: Supplying of Molded Twin Shanks Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with Micro prismatic lens (No Glass bead lens) capable of providing total internal reflection of the light entering the lens face and shall support a load of 13635 kgs. tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 – DO III Dt 11.06. 1997. The height, width and length shall not exceed 20 mm, 130 mm and 130 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The strength of detachment of the integrated cylindrical shanks, (of diameter not less than 19 +/- 2 mm and height not less than 30+/- 2 mm) from the body is to be a minimum value of 500 Kgf. Fixing will be by drilling holes on the road for the shanks to go inside, without nails and using epoxy resin based adhesive as per manufacturer's recommendation and The color of thsubmitted regularly to G.S.P.H.C.L. & also get satisfactory certificate from ben	80.00	No	323.00	Rupees Three Hundred Twenty Three Only	25840.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
156	Road marking with hot applied thermoplastic paints with reflectorising glass beads on bitumin surface providing and laying a hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250gms per sqm area, thickness of 2.5mm is excluding of surface applied glass beds as per IRC:35-2015. The finished surface to be level, uniform and free from streaks and holes. zebra patta /bump patta lane/center line/ edge line/cut patta. The white color marking should provide liminance coefficinet on cemend road shall be min 130 mcd/m2/lux and Asphalt road shall be min 100 mcd/m2/lux during the service life during the day time. The marking should meet the performance criteria for night time reflectivity, wet reflectivity and skid resistance as mentioned in the section-15 of IRC 35-2015. Warranty for the Retro reflectivity should be two years.	12.00	Sqm	364.08	Rupees Three Hundred Sixty Four And Paise Eight Only	4368.96
157	Providing and fixing Rubber Speed Breaker of Size-500 (L) x 350 (W) x 50(H) of 2 pieces in 1 Meter (1 No. Yellow & 1 No. Black) installation with 4 inch zink plated 12mm thick bolt with epoxy hardner etc. Complete as per direction of Engineer incharge.	18.00	Rmt	1165.50	Rupees One Thousand One Hundred Sixty Five And Paise Fifty Only	20979.00
158	Providing and lixing 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.	8.00	Sqm	795.27	Rupees Seven Hundred Ninety Five And Paise Twenty Seven Only	6362.16
159	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	38.00	Rmt	17.62	Rupees Seventeen And Paise Sixty Two Only	669.56

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
160	Providing Groove cutting in C.C. Road including cleaning etc.complete as per direction of Engineer incharge	53.00	Rmt	36.80	Rupees Thirty Six And Paise Eighty Only	1950.40
161	Provoding pre-moulded ashphalt filler joints as per drawings (A)12mm	53.00	Sqm	696.56	Rupees Six Hundred Ninety Six And Paise Fifty Six Only	36917.68
162	Provinding & Laying Lawn for Landscaping including watering & All Labours	41.00	Sqm	150.00	Rupees One Hundred Fifty Only	6150.00
163	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.	30.00	Nos	600.00	Rupees Six Hundred Only	18000.00
164	Job Work of Geohydrological ground water investigation including water sample chemical analysis including Pin-Point survey. [with Veichel Charges]	1.00	Job	14286.00	Rupees Fourteen Thousand Two Hundred Eighty Six Only	14286.00
165	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	1343.92	Rupees One Thousand Three Hundred Forty Three And Paise Ninety Two Only	1343.92
166	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	17250.00	Rupees Seventeen Thousand Two Hundred Fifty Only	17250.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
167	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)					
	[A] 150 mm dia	77.00	Rmt	3335.04	Rupees Three Thousand Three Hundred Thirty Five And Paise Four Only	256798.08
	[B] 100 mm dia.	40.00	Rmt	2240.48	Rupees Two Thousand Two Hundred Forty And Paise Forty Eight Only	89619.20
	[C] 80 mm dia.	21.00	Rmt	1652.00	Rupees One Thousand Six Hundred Fifty Two Only	34692.00
	[D] 25 mm dia.	10.00	Rmt	651.00	Rupees Six Hundred Fifty One Only	6510.00
168	Providing and fixing of CI Butterflay valve ISI marked with gunmetalworking parts with stainless steel spindel with necessary jointinh materials filing etc. complete as directed.					
	[A] 150 mm dia	3.00	No	7856.34	Rupees Seven Thousand Eight Hundred Fifty Six And Paise Thirty Four Only	23569.02
	[B] 100 mm dia.	6.00	No	5845.97	Rupees Five Thousand Eight Hundred Forty Five And Paise Ninety Seven Only	35075.82

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	[C] 80 mm dia.	3.00	No	4368.46	Rupees Four Thousand Three Hundred Sixty Eight And Paise Forty Six Only	13105.38
169	Providing, fixing, testing and commissioning of non-return valve of following sizes conforming to IS: 5312 complete with rubber gasket, GI bolts, nuts, washers etc. as required,					
	[A] 150 mm dia	2.00	No	15594.79	Rupees Fifteen Thousand Five Hundred Ninety Four And Paise Seventy Nine Only	31189.58
	[B] 100 mm dia.	6.00	No	9688.87	Rupees Nine Thousand Six Hundred Eighty Eight And Paise Eighty Seven Only	58133.22
	[C] 80 mm dia.	2.00	No	6743.74	Rupees Six Thousand Seven Hundred Forty Three And Paise Seventy Four Only	13487.48
170	Providing, fixing, testing and commissioning of Gun metal /SS single headed ISI marked oblique pattern hydrant landing valves as per IS:5290 with 80mm dia flanged inlet and 63mm dia female outlet complete with gun metal cap .	4.00	No	5382.66	Rupees Five Thousand Three Hundred Eighty Two And Paise Sixty Six Only	21530.64
171	Providing, fixing, testing and commissioning of Standard Gun /SS metal branch pipe with nozzle of 20 mm nominal bore outlet as per IS:903 suitable to fit with standard instantaneous type 63 mm dia coupling.	4.00	No	1457.27	Rupees One Thousand Four Hundred Fifty Seven And Paise Twenty Seven Only	5829.08
172	Providing and fixing 63 mm dia reinforced rubber lined RRL RRL fire hose of approved grade conforming to IS 636 type A having brushing pressure of 37.20 Kg/cm ² 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 .	4.00	No	3899.90	Rupees Three Thousand Eight Hundred Ninety Nine And Paise Ninety Only	15599.60

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
173	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.	4.00	No	3154.48	Rupees Three Thousand One Hundred Fifty Four And Paise Forty Eight Only	12617.92
174	Supplying and fixing specially designed SS 304 orifice plates (minimum 6 mm plate thickness) on external & internal hydrant outlets of hydrant valves for reducing delivery pressure to 3.5 kg/sq.cm at hydrant valve	4.00	No	1158.53	Rupees One Thousand One Hundred Fifty Eight And Paise Fifty Three Only	4634.12
175	Supplying & fixing first aid fire hose reel of braided rubber suitably reinforced 25 mm size 30 mtr standard length with tapering branch nozzle, 32 mm Pipe to connect to riser with cut off ball valve attachment. Hose to be fixed type wall mounted drum including fixing with anchor fasteners & bolts	4.00	No	7606.61	Rupees Seven Thousand Six Hundred Six And Paise Sixty One Only	30426.44
176	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	12252.93	Rupees Twelve Thousand Two Hundred Fifty Two And Paise Ninety Three Only	12252.93
177	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	Set	1097.50	Rupees One Thousand Ninety Seven And Paise Fifty Only	4390.00
178	Supply & Installation of Mainfold for fire hydrant distribution 200 mm dia system as directed.	2.00	No	1355.48	Rupees One Thousand Three Hundred Fifty Five And Paise Forty Eight Only	2710.96
179	providing & fixing emergency Escape signes and Fire Signes Printed on rigid PVC sheet / acrylic sheet 4 mm thick photoluminescent auto glow type of approved quality including fixing on door, wall, ceiling complete with installation as directed.	456.00	Sq.inch	7.95	Rupees Seven And Paise Ninety Five Only	3625.20
180	Making of Core in RCC work of size 200 mm etc. complete RCC Core Cutting.	10.00	Nos	1000.00	Rupees One Thousand Only	10000.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
181	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. 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 GSPHCL, 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.	1.00	Job	16950.00	Rupees Sixteen Thousand Nine Hundred Fifty Only	16950.00
	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, DG set 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.					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	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.					

ELECTRIC WORK						
182[a]	Providing and erecting Point wiring with 1.1 KV grade ISI marked 2 X 1.5 sq. mm copper PVC insulated FRLS wire with 1.5 sq. mm (green) copper PVC insulated FRLS wire for earth continuity in FIA approved ISI mark medium class white colour 20/25 mm dia. embossed rigid PVC pipe with PVC fitting fixed with adhesive solution erected on/in 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 make modular type switch and accessories mounted in 20 G. G.I. company fabricated metallic box covered with appropriate front plate modules erected flushed with wall / ceiling with necessary modular lamp holder / modular ceiling rose / HD Connector (make & model approved by EIC and matching colour with switches accessories) as directed for concealed wiring . (Deep Junction box 75mm depth if required) Light point. Cat.-III.	110.00	Point	481.00	Rupees Four Hundred Eighty One Only	52910.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[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 B14without any gap] [conductor resistance should be as per IS:8130/1984]					
1[82b]	For Two Way Controlled Light Point, Cat.-III	2.00	Point	598.00	Rupees Five Hundred Ninety Eight Only	1196.00
182[c]	For Bell Point Cat.-III	2.00	Point	481.00	Rupees Four Hundred Eighty One Only	962.00
182[d]	For Fan Point (with 6 A. Modular type switch and two module hum free EME Five step type Electronic fan regulator both having ISI mark) Cat.-III	26.00	Point	668.00	Rupees Six Hundred Sixty Eight Only	17368.00
182[e]	For Two way controlled Fan Point (with 6 A. Modular type switch and two module hum free EME Five step type Electronic fan regulator both are with ISI Mark)) Cat.-III	2.00	Point	785.00	Rupees Seven Hundred Eighty Five Only	1570.00
182[f]	For separate Point (with 6 Amp. Switch & 3/5 pin socket both having ISI mark) Cat.-III	15.00	Point	505.00	Rupees Five Hundred Five Only	7575.00
182[g]	For Looped on switch board (with 6 Amp. Switch & 3/5 pin socket both having ISI mark) Cat.-III.	50.00	Point	255.00	Rupees Two Hundred Fifty Five Only	12750.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
183[a]	Providing and erecting 1.5 mm thick FIA approved and ISI mark (embossed) RIGID white Colour PVC PIPES of following size complete erected with necessary PVC fittings & Junction boxes fixed with adhesive solution concealed in wall / slab along with continuous fish wire to draw mains, laid in approved manner with plastering by cement mortar & finishing the surface to match the wall / ceiling. 20 mm dia.	460.00	Mtr.	24.00	Rupees Twenty Four Only	11040.00
183[b]	25 mm dia.	200.00	Mtr.	33.00	Rupees Thirty Three Only	6600.00
184[a]	Providing and laying Mains with FRLS PVC Insulated wire ISI marked 1.1 KV grade with FIA approved ISI mark medium class 20/25/32 mm dia. embossed rigid PVC pipe with PVC fitting fixed with adhesive solution to be erected on/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) [a] 2 x 1.5 sq.mm. FRLS copper multi stranded conductor mains with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. [conductor resistance should be as per IS:8130/1984]	550.00	Mtr.	62.00	Rupees Sixty Two Only	34100.00
184[b]	2 x 2.5 sq.mm. FRLS copper multi stranded conductor mains with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. [conductor resistance should be as per IS:8130/1984]	300.00	Mtr.	82.00	Rupees Eighty Two Only	24600.00
184[c]	2 x 4.0 sq.mm. FRLS copper multi stranded conductor mains with 2.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. [conductor resistance should be as per IS:8130/1984]	100.00	Mtr.	111.00	Rupees One Hundred Eleven Only	11100.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
184[d]	2 x 10.0 sq.mm. FRLS copper multi stranded conductor mains with 4.0 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. [conductor resistance should be as per IS:8130/1984]	150.00	Mtr.	234.00	Rupees Two Hundred Thirty Four Only	35100.00
184[e]	4 x 10.0 sq.mm. FRLS copper multi stranded conductor mains with 2.5 sq.mm. FRLS copper multi stranded conductor earthing As per standard colour code.[conductor resistance should be as per IS:8130/1984] [As Provision]	60.00	Mtr.	421.00	Rupees Four Hundred Twenty One Only	25260.00
185	Providing & fixing 20 mm. dia. PVC insulated G.I. Corrugated Flexible pipe with necessary socket, PVC bushes, saddle, Check-nuts etc. complete of following sizes.	50.00	Mtr.	30.95	Rupees Thirty And Paise Ninety Five Only	1547.50
186	Providing & fixing 25 mm. dia. PVC insulated G.I. Corrugated Flexible pipe with necessary socket, PVC bushes, saddle, Check-nuts etc. complete of following sizes.	50.00	Mtr.	37.14	Rupees Thirty Seven And Paise Fourteen Only	1857.00
187	Providing and fixing Plug Point wiring with 1.1 KV grade ISI marked approved make 2 x 2.5 sq.mm copper PVC insulated FRLS wire with 1.5 sq.mm (green) copper PVC insulated FRLS wire for earth continuity in 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. (a) 16 Amp. Indicator switch & 1 No. 6/16 A universal socket white colour suitable for 3 pin top duly both having ISI mark. Cat.-III (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]	8.00	Point	738.00	Rupees Seven Hundred Thirty Eight Only	5904.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
188	Providing and fixing Plug Point wiring with approved ISI marked 1.1 kv grade 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 approved make 16 Amp. Modular type switch and accessories mounted in 20 SWG GI company fabricated metallic box covered with appropriate front plate modules erected flushed with wall / ceiling. (a) 20 Amp. indicator switch & 1 No. 20 A universal socket white colour suitable for 3 pin top duly both having ISI mark. (A.C POINT ONLY) (Necessary sheet / tape / polythene / sand must be erected or filled in all box To Prevent Mortor Going In To The Box) Cat.-III. [conductor resistance should be as per IS:8130/1984]	4.00	Point	863.00	Rupees Eight Hundred Sixty Three Only	3452.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
189	<p>Providing & Erecting 2.0 mtr long Earthing system by making minimum bore of 225 mm dia in soft soil. Suitable for doing pipe-in-pipe technology earthing. Earthing electric rod must be made from Corrosion free Hot dip galvanizing pipes having following specification.</p> <p>(A) Earthing Electrode: outerpipe:- 88 mm minimum O.D., ISI 'B ' Class ISI mark of Reputed Brand, Inner pipe:- 42 mm minimum O.D., Pipe B Class ISI mark reputed Brand Terminal Size: 70mm X 100mm length, Terminal Should be made from inner pipe for that pipe must be pressed and gave rectangular shape so its work as a terminal. The hot deep galvanising must be done after above process. Galvanised thickness must be minimum 75 micron any where. SS Nut bolt:- 2 no. with washer suitable for 14mm dia. hole must be provided at terminal. total minimum Weight(approx.) of earth electrode with inside conductive material minimum should be 26 kg.</p> <p>(B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm/meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphar content:- <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. (D) Chamber and cover:- Earthing chamber should be size of 400 mm X 400 mm X 400 mm depth and Cover should be heavy duty cast iron with required size of 300 mm X 300 mm X 4 mm thick</p>	4.00	Each	7025.00	Rupees Seven Thousand Twenty Five Only	28100.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[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 & sample for approved before supplying]</p> <p>[Water must be poured in bore before starting earthing. Earthing value must be measured with earth tester. Agency has to bring the earth resistance to at least 02 ohms & voltage between neutral & Earthing upto 02 volt. Agency has to maintain earthing & its value for one year. Earthing must be done in the presence of A.E. (GSPHCL)]</p>					
190	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).	4.00	Each	276.00	Rupees Two Hundred Seventy Six Only	1104.00
191	Supplying and erecting M.S./G.I. metal box having 16 Gauge painted with red oxide be concealed in wall with necessary plastering & finishing with 3 mm thick laminated sheet with grooving as directed of following depth 3" depth.	150.00	Sq. Inch	5.81	Rupees Five And Paise Eighty One Only	871.50
192	Providing & Erecting 3 mm thick Polycarbonate (PC) sheet with grooving as directed	500.00	Sq. Inch	3.00	Rupees Three Only	1500.00
193	Providing & Erecting 3 mm thick acrylic Sheet with grooving as directed	500.00	Sq. Inch	3.00	Rupees Three Only	1500.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
194	Supplying & erecting approved make street light box comprising CNC 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] 350 mm X 200 mm X 150 mm [Make and model approved by EIC strictly as per tender specification]	2.00	Each	1646.00	Rupees One Thousand Six Hundred Forty Six Only	3292.00
195	Supplying & erecting approved make SMC press moulded composite FRP. loop-in, loop-out approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box. 150mm x 125mm x 100mm [deep]	6.00	Each	472.00	Rupees Four Hundred Seventy Two Only	2832.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
196	Supplying and Erecting LED indoor fitting of approximately 4 Feet long with LED of Wattage 0.2W to 0.5W assemble on single MCPCB with housing use as a hint sink shall be made from aluminum extrusion having enough strength (sample must be approved by EIC) with polycarbonate diffuser with following specification: (A) Company mark/name on the fitting, (B) Rated input voltage and frequency : 220V to 240 VAC ; 50Hz , (C) Rated input wattage: 24W, (D) Rated input Current 0.2 A, (E) Power Factor : Min. 0.90, (F) ATHD : Max. 15%, (G) Rated Luminous flux : 2420 lm, (H) CCT : 6500K , (I) CRI : Min. 80Ra, (J) LED life span : Min.5000 Hrs @ L70, (K) Driver Efficiency : Min. 80%, (L) Over Voltage protection: Withstand up to 440V/AC for 4 Hrs, (M) Surge Protection : Min. 2KV, (N) IP Rating : IP20, (O) IK Rating : IK02, (P) Short circuit, Open Circuit & Reverse Polarity Protection must be provided, (Q) Fixing clamp design & strength should be sufficient to hold the fitting erected on wall or ceiling, (R) 3 Core copper wire of appropriate size with earthing connector. (Note:- The manufacturer/authorized Channel partner of the manufacturer has to submit 5 Yrs free replacement Guarantee for complete Fixture) [Approval will be given strictly subject to item specification]	15.00	Each	370.00	Rupees Three Hundred Seventy Only	5550.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
197	<p>SITC of Indoor Commercial Recess / Surface mounted (IP20) 24 W Cool/Warm white Color LED Down lighter 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 24 W. The LED's should be mounted on backlite 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.</p>	40.00	Each	751.00	Rupees Seven Hundred Fifty One Only	30040.00
	<p>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 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]</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
198	<p>SITC of Indoor Commercial Recess / Surface mounted (IP20) 18 W Cool/Warm white Color LED Down lighter 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 18 W. 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.</p>	20.00	Each	584.00	Rupees Five Hundred Eighty Four Only	11680.00
	<p>The fixture must have min. 1620 lumen 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]</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
199	Supplying and erecting 8 W LED lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection, Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5 (A) LED Lamps integral type, with PC diffuser suitable LAMP holder	17.00	Each	111.00	Rupees One Hundred Eleven Only	1887.00
200	Providing and erecting max. 10 W LED batter n having main housing alluminium extruded and front cover of polycarbonate. Electrically and photometry parameters are as under 240 V, 50 Hz. System wattage : 10W + 10%, PF >=0.95 system lumens min. 1000 , CCT 3000K to 6500K CRI>=80, THD,=15%, Delivery efficiency>= 85%, LM 80 Certified LED, 3000 Hrs@ L70. Electronic CC driver, insulated copper wire, for internal wiring IP20 Operating voltage: 160 to 270 V, Surge-22KV, Length of this fitting should be 2ft. Luminaire efficiency> 85 lumens/watt, LED driver efficiency . 85 % (fitting required LM-79 & LM-80 Certificates)(Note: Below description have shown ranges of Wattage capacity of LED fittings. The Engineer incharge may select any wattage capacity between the ranges shown.) Tube Light with integral driver 8 Watts, Surge-2 KV, IP-20, conventional 2 feet .	10.00	Each	309.00	Rupees Three Hundred Nine Only	3090.00
201	Providing and erecting Polycarbonate body surface mounting LED Bulk head type 9 watt Lighting Fitting with electronic driver having THD < 15%, CRI>80, P.F.0.95 And lumen output from luminaire 720 lm, input voltage range 160-270 V AC, 50 Hz cool white (3000 to 6500 k), inbuilt driver having efficiency >=80lm/w, -20 deg C to + 60 deg C working temperature, AL frame with Beam Angle 120 deg.	3.00	Each	780.00	Rupees Seven Hundred Eighty Only	2340.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
202	Providing, erecting, testing Ceiling Fan confirming to IS: 374/1979 AMDT No. 1 to 6 Class-I, 50 Hz. Specification of Ceiling Fan must be as per below. (1) Sweep: 1200 mm, (2) Operating Voltage: 180 to 230 V, (3) Power Factor: > 0.9, (4) Power Consumption: maximum 53W, (5) RPM: minimum 330, (6) Service value:min 4.3 m3/min. (7) Class of insulation: 'B', (8) No. of heavy duty premium quality Ball bearing: Two, (9) Total Body: Top & Bottom should be alluminium, (10) Blade: Aluminium approx 1.1 mm thick, (11) Colour: White high grade powder coating, (12) Canopy: Two Nos. Heavy duty, (13) Condenser: min 1.5 MFD (15% Tolerance)as per is 1709-1984, Aluminium body premium quality, Branded make,(14) Down road: up to 1.0 mtr as per site requirment, (15) Required fixing accessories, (16) 3 core 0.75 sq.mm ISI wire as per site requirment, (17) No vibration and noise due to mechanical parts. (Agency has to erect safety wire with ceiling fan and checked with EIC) (OEM has to approved model as per tender specification and tested at ERDA) (Necessary test reports should be submitted strictly at the time of approval. Sample approved by EIC subject to above specification only)	27.00	Each	1929.00	Rupees One Thousand Nine Hundred Twenty Nine Only	52083.00
203	Supplying & erecting approved make low noise Decorative exhaust fan having size 150/200 mm with 1350 RPM with round / square frame ABS/metalic body with Grill / inbuilt lowers. (make and model approved by EIC Only strictly as per specification) Cat II	8.00	Each	1687.00	Rupees One Thousand Six Hundred Eighty Seven Only	13496.00
204	Supplying & Erecting Fan Hook Of 10 mm 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	30.00	Each	125.00	Rupees One Hundred Twenty Five Only	3750.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
205	Providing & erecting Fan clamp of 30 x 5 mm flat of required length & 10 mm M.S. Bolt & Nuts erected with necessary hook of 10 mm M.S. Round Bar.	10.00	Each	98.00	Rupees Ninety Eight Only	980.00
206	Supplying & erecting Electronic Type Cordless Call Bell erected on PVC/Metal board having portable bell push working on D.C. & bell on 230V A.C. supply with cells / battery	2.00	Each	248.00	Rupees Two Hundred Forty Eight Only	496.00
207	Supplying & erecting 19/20 mm. nominal bore " B" class G.I. pipe / M.S. pipe down rod 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.]	5.00	Rn. Mtr	107.00	Rupees One Hundred Seven Only	535.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
208	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board having IP-42 & 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, bakelite 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	2.00	Sq. Mtr.	16230.00	Rupees Sixteen Thousand Two Hundred Thirty Only	32460.00
	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. With 350 mm depth					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	<p>Panel manufacturer have to give 3 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) & 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.</p> <p>[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](All Panel as per IEC 61439 as per NBC Guideline)</p>					
209	<p>Providing & erecting Approved make Three pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having Normal current rating 125 A. with variable/Fixed 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</p>	1.00	Each	6510.00	Rupees Six Thousand Five Hundred Ten Only	6510.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
210	Providing & erecting Approved make Three pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having Normal current rating 100 A. with variable/Fixed 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	1.00	Each	5302.00	Rupees Five Thousand Three Hundred Two Only	5302.00
211	Providing & erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 25 K.A. at 415 V. having normal current rating 63 to 100 A. with variable/Fixed 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	3.00	Each	6112.00	Rupees Six Thousand One Hundred Twelve Only	18336.00
212	Supplying & erecting approved make Four Pole 415V change over switch interior for panel mounting with operating mechanism A.C.23 duty confirming to IS for [c] 100-125A	2.00	Each	7713.00	Rupees Seven Thousand Seven Hundred Thirteen Only	15426.00
213	Supplying & Erecting Approved Make Extended operating rotary handle with pad lock with three position Trip, Off, On suitable for 25 Amp. to 250 Amp. panel mounting.(Company Must be same company of switchgear)	5.00	Each	865.00	Rupees Eight Hundred Sixty Five Only	4325.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
214[a]	Supplying and erecting tripple pole & neutral 440V / 500 V Panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports / insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections.For electrolyte copper Busbars Suitable for 100 Amp. capacity	0.50	Rn. Mtr.	1942.00	Rupees One Thousand Nine Hundred Forty Two Only	971.00
214[b]	Suitable for 200 Amp. capacity	2.00	Rn. Mtr.	3171.00	Rupees Three Thousand One Hundred Seventy One Only	6342.00
215	Supplying and erecting KITKAT pattern porcelain cutout with base of following current capacity erected on existing block board. [vi] 200 A. 500 V.	3.00	Each	416.00	Rupees Four Hundred Sixteen Only	1248.00
216	Approved make Earth fault Relay 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. 1) 15 A - 100 A, CT Ratio 1/100 [make and model approved by EIC strictly as per tender specification]	1.00	Each	4641.00	Rupees Four Thousand Six Hundred Forty One Only	4641.00
217	Supplying and erecting approved make panel mounting type Digital Voltmeter 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 as per specification]	2.00	Each	1263.00	Rupees One Thousand Two Hundred Sixty Three Only	2526.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
218	Supplying and erecting approved make panel mounting type Digital Ammeter having 3 digits LED display, external CT operated, calibrated for 0 to 1000 Amps. suitable to operate on 500 Volt AC, 0.5 class accuracy,erected on existing panel board with all connection, wiring etc. with manufacturers calibration certificate. [Make and model approved by EIC as per specification]	2.00	Each	1543.00	Rupees One Thousand Five Hundred Forty Three Only	3086.00
219	Supplying and erecting Ammeter / Voltmeter selector switch 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
220	Supplying and erecting approved make set of indicator lamps of LED type lamp, lense cover, Bakelite holder complete erected with necessary connections. [Make and model approved by EIC as per specification]	6.00	Each	43.00	Rupees Forty Three Only	258.00
221	Providing and Erecting of Miniature circuit breaker single pole 6 Amp. to 25 Amp. suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing MS box confirming to IS 8828/1996 with ISI Mark.	8.00	Each	111.00	Rupees One Hundred Eleven Only	888.00
222	Providing & erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio 15 VA burden having 0.5 class accuracy erected in Class existing CRCA box duly secured with insulating materials connected to the meter [Make and model approved by EIC as per specification]	8.00	Each	272.00	Rupees Two Hundred Seventy Two Only	2176.00
223	Providing & erecting 240 V MCB Double pole 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. For 40 Amp. DP	13.00	Each	327.00	Rupees Three Hundred Twenty Seven Only	4251.00
224	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS:8828 in existing MS box having following capacity. For 63 Amp. FP	4.00	Each	730.00	Rupees Seven Hundred Thirty Only	2920.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
225	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS:8828 in existing MS box having following capacity. For 40 Amp. FP	1.00	Each	662.00	Rupees Six Hundred Sixty Two Only	662.00
226	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS:8828 in existing MS box having following capacity. For 25 Amp. FP	1.00	Each	590.00	Rupees Five Hundred Ninety Only	590.00
227	Providing and Erecting Approved make ISI mark ELCB 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 (i) For 40 Amp. DP.	1.00	Each	2213.00	Rupees Two Thousand Two Hundred Thirteen Only	2213.00
228	Providing and Erecting of Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on 3 phase and neutral 415 V having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed with same company metal box with earthing terminal with necessary numbering with oil paint by painter. (iv) 25 Amp. FP.	1.00	Each	2986.00	Rupees Two Thousand Nine Hundred Eighty Six Only	2986.00
229[a]	Supplying & fixing box for housing RCCB + MCB combination made of 18 SWG sheet steel duly powder coated with gasket, dust & vermin proof bakelite shield two earthing terminals for following type of RCCB, RCCB + MCB [a] For 2 pole [Same company metal box used as MCB / ELCB used with earthing terminal with necessary Numbering / marking with oil Paint by painter]	2.00	Each	272.00	Rupees Two Hundred Seventy Two Only	544.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
229[b]	For 4 pole [Same company metal box used as MCB / ELCB used with earthing terminal with necessary Numbering / marking with oil Paint by painter]	4.00	Each	442.00	Rupees Four Hundred Forty Two Only	1768.00
230	Supply, Installation, Testing & Commissioning of Three Phase, 440 V Surge Suppressor protection Device (SPD) & 40 Amp TPN MCB (or As per SPD OEM guide line for the protection of SPD which is erected such a way that it can be operated easily) SPD must be capable to protect all electrical and electronics equipments if SPD blast or fuse then the panel builder must have replace it soon during defect liability period.The Detail Specification of SPD are As per Attached sheet with Annexure -A(E). (Hakel, Iskira, Obo make) (With Three year Gaurantee / warranty)	1.00	Each	6319.00	Rupees Six Thousand Three Hundred Nineteen Only	6319.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
231	<p>Providing and erecting approved make single phase Double Door metal clad D.B. as per relevant Indian standards amended upto date.</p> <p>Supplying and fixing following way single phase MCB distribution board of company fabricated sheet box with powder coated inside and outside after apply seven tank chemical process of CRCA sheet cover complete with suitable integral single piece construction tinned copper busbar and link with all necessary interconnection and with necessary size MS frame for mounting MCBDB. MCBDB Door, Back side and Body of MCBDB must be made of 1.2 mm thick CRCA Sheet. Manufacturer must be provided (1) IP 43 and as per IS:8623-1 & 3, IEC 61439-1 & 3 having D type PU gasket. (2) Seven tank Powder coating Certificate (3) Tinned Copper/Brass make neutral & Earthing link with isolation & Protecting Cover for 240 Volts on surface / recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, with suitable size FRLS PVC insulated copper conductor up to terminal blocks and internal connection, tinned copper bus bar, 1 no. tinned copper neutral link, tinned copper earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc.</p>	3.00	Each	5868.00	Rupees Five Thousand Eight Hundred Sixty Eight Only	17604.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	<p>Single phase incoming and horizontal single phase outgoing. For 16 Way MCBDB: Including 1 no. 40 Amp. 30 mA double pole ELCB (ELCB confirming to IS:12640/1988 having sensitivity of 30 mA and breaking capacity of 10 KA), 1 no. MCB 40 Amp. double pole switch (C curve confirms to IS:8828 having breaking capacity of 10 KA) and S.P. MCB of rating 6 to 32 Amp. with NL suitable to operate on 240 Volt A.C. power. (6 Amp:- 4 Nos., 16 Amp:- 4 Nos. & 25 Amp: 4 Nos.)</p> <p>(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]</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
232	<p>Providing and erecting approved make single phase Double Door metal clad D.B. as per relevant Indian standards amended upto date.</p> <p>Supplying and fixing following way single phase MCB distribution board of company fabricated sheet box with powder coated inside and outside after apply seven tank chemical process of CRCA sheet cover complete with suitable integral single piece construction tinned copper busbar and link with all necessary interconnection and with necessary size MS frame for mounting MCBDB. MCBDB Door, Back side and Body of MCBDB must be made of 1.2 mm thick CRCA Sheet. Manufacturer must be provided (1) IP 43 and as per IS:8623-1 & 3, IEC 61439-1 & 3 having D type PU gasket. (2) Seven tank Powder coating Certificate (3) Tinned Copper/Brass make neutral & Earthing link with isolation & Protecting Cover for 240 Volts on surface / recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, with suitable size FRLS PVC insulated copper conductor up to terminal blocks and internal connection, tinned copper bus bar, 1 no. tinned copper neutral link, tinned copper earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc.</p>	1.00	Each	5202.00	Rupees Five Thousand Two Hundred Two Only	5202.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	<p>Single phase incoming and horizontal single phase outgoing. For 12 Way MCBDB: Including 1 no. 40 Amp. 30 mA double pole ELCB (ELCB confirming to IS:12640/1988 having sensitivity of 30 mA and breaking capacity of 10 KA), 1 no. MCB 40 Amp. double pole switch (C curve confirms to IS:8828 having breaking capacity of 10 KA) and S.P. MCB of rating 6 to 32 Amp. with NL suitable to operate on 240 Volt A.C. power. (6 Amp:- 3 Nos., 16 Amp:- 3 Nos. & 25 Amp: 2 Nos.)</p> <p>(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]</p>					
233	<p>Supplying & erecting 12 mm thick backelite sheet of approved make and grade on 25 x 25 x 3 mm red oxide painted angle iron frame suitable for fixing ICDP SWITCH and energy meter (contractor shall make approved drawing of Bakelite sheet To arrange required No. of Energy meter & ICDP switch-busbar etc. as per Actual space available in electrical room at site)</p>	2.00	Sq. Mtr.	2289.00	Rupees Two Thousand Two Hundred Eighty Nine Only	4578.00
234	<p>Providing and erecting Steel cover as per drawing using 18 SWG M.S.sheet of following depth, to house the switchgear etc. complete with locking arrangement and lock with duplicate keys per cupboard and door handles erected with necessary support and painting. Without angle iron frame. For 40 cms. depth</p>	3.00	Sq. Mtr.	2976.00	Rupees Two Thousand Nine Hundred Seventy Six Only	8928.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
235	Providing, erecting, fabricating the M.S. structure as per requirement of site as per structure design Including proper size approved by EIC of M.S. angles, flats, bars, square pipe, channels, sections (Tata, Jindal, Asian, JSI Make) complete with cutting, welding, grinding and finishing duly painted with Asian/Nerolac make premium quality oil paint and true care red oxide metal primer,asian paint make with erection on site as per direction of engineer in charge with necessary grouting cementing, plastering and finishing complete. All hole opening of square pipe end must be closed with M.S plate welding. Payment will be done on KG as per <u>Actual weight</u> .	100.00	Kg.	75.11	Rupees Seventy Five And Paise Eleven Only	7511.00
236	Providing and erecting metallic danger notice board for MEDIUM VOLTAGE installation to be erected as per I.S.	3.00	Each	69.00	Rupees Sixty Nine Only	207.00
237[a]	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. 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	30.00	Rn. Mtr.	526.00	Rupees Five Hundred Twenty Six Only	15780.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
237[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.	50.00	Rn. Mtr.	230.00	Rupees Two Hundred Thirty Only	11500.00
238[a]	Supplying and laying UPVC cable trunking system comprising unplasticised polyvinyl, chloride rigid material with ignition free & flame proof confirming BS .All necessary accessories and measuring of following sizes. [1] 75 mm x 50 mm trunking. [MK, LEGRAND, OBBO make Only]	50.00	Mtr.	275.00	Rupees Two Hundred Seventy Five Only	13750.00
238[b]	100 mm x 50 mm trunking .[MK, LEGRAND, OBBO make Only]	50.00	Mtr.	424.00	Rupees Four Hundred Twenty Four Only	21200.00
239	Supplying and fixing radium sticker or Painting the number and words for inventory Identification on erected fittings / equipment's or Such accessories (MCBDB, Panel, Pole, Rack, Earthing, Pump, Door etc.) as may required with good quality of enamelled paint or fade proof, weather proof, waterproof high quality vinyl radium sticker for indoor/ outdoor application as directed by engineer in charge. For one character 50 mm height. (The colour of sticker / paint should be as per instruction given by EIC as per site requirement)	1234.00	Each	2.00	Rupees Two Only	2468.00
240	Providing and erecting 2 mm Aluminium / 4mm ACP sheeting fixed with Type-4 Class-B High Intensity Grade Sheeting as per IRC 67 : 2012 reflective sheeting of size including lettering and signs as applicable	15.00	Sq. Mtr.	3955.08	Rupees Three Thousand Nine Hundred Fifty Five And Paise Eight Only	59326.20
241	Providing & erecting Switch board for Computer 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. 2 no. 6/16 Amp. universal Socket, 2 nos. 16 Amp. indicator switch, 2 nos. 6 Amp. Switch & 2 nos. 6 Amp. 5 pin Plug. For Computer power Supply board.	18.00	Each	1122.00	Rupees One Thousand One Hundred Twenty Two Only	20196.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
242	Providing and erecting modular type accessories mounted on 20G G.I. company fabricated galvanised metal box covered with appropriate front plate modules erected flushed with wall/Ceiling with 1 Nos. of 16 Amp SP indicator Switch & 3 Nos. of 6 Amp 3/5 pin plug. [For TV Switch board]	2.00	Each	629.00	Rupees Six Hundred Twenty Nine Only	1258.00
243	SITC of specified make X color for Cat.-6 Data and Y color for Cat.-6 voice cable to be done in prelaidd PVC pipe / raceway, but without the cost of raceway or pipe (the wire is to be drawn from MFD/ JB to outlet point) (a) CAT - 6 (For Computer Cabling and For Voice Cabeling)(Molex, R&M, Avaya,Systimax,Legrand make Only)	825.00	Mtr.	47.00	Rupees Forty Seven Only	38775.00
244	SITC of 24 x 10/100/1000BASE-T ports 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. 24 Port. ([HP, Cisco, Juniper & model approved by EIC])	1.00	Each	15247.00	Rupees Fifteen Thousand Two Hundred Forty Seven Only	15247.00
245[a]	Providing and erecting following type of Modular Type Accessories mounted with 20 G G.I. company fabricated metalic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer in charge. TV Co-axial Socket outlet. Cat.-III	2.00	Each	159.00	Rupees One Hundred Fifty Nine Only	318.00
245[b]	Blank plate single, CAT-III	100.00	Each	25.00	Rupees Twenty Five Only	2500.00
246	Providing & Erecting following size of TV Co-axial flexible cable comprising inner conductor of solid bare copper insulated with Foam PE & Secondary conductor made of poly - Aluminium film bonded Al. Braids @ suitable coverage overall sheathed with black PVC insulation. (FINOLEX / POLYCAB / RRKABEL) [b] RG-6	100.00	Mtr.	39.00	Rupees Thirty Nine Only	3900.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
247	Providing & 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. Modem Jack for Computer Open RJ-45 CAT-III	18.00	Each	159.00	Rupees One Hundred Fifty Nine Only	2862.00
248	Providing & 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. (a) RJ-11Telephone Socket CAT-III	12.00	Each	159.00	Rupees One Hundred Fifty Nine Only	1908.00
249	SITC of Cat 6 Jack Panel, fully loaded with 24 nos. UTP ports for PCB based IO Jacks (RJ45, TIA-568C Category-6, Installation and Termination of all 24 nos. Catergory-6 UTP , unloaded with individually replaceable 24 nos. Category-6 I/O Jacks complying with TIA-568.C.2, as per given jack specification Shall be suitable for loading unshielded & shielded jacks for different category systems (CAT 6)	1.00	Each	4357.00	Rupees Four Thousand Three Hundred Fifty Seven Only	4357.00
250	Supply and installation of 9U steel rack for installing 4 nos. Ethernate 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. (Rittal, Valrack, APC, Legrand make Only.)	1.00	Each	11441.00	Rupees Eleven Thousand Four Hundred Forty One Only	11441.00
251	SITC of CAT6 UTP 24AWG PATCH CORD:1M,Plug 30U' Snag less [Approved by Competent Authority i.e. not Below the rank of Executive Engineer] [Make and model approved by EIC as per specification]	18.00	Each	155.00	Rupees One Hundred Fifty Five Only	2790.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
252	SITC of CAT6 UTP 24AWG PATCH CORD:2M,Plug 30U' Snag less [Approved by Competent Authority i.e. not Below the rank of Executive Engineer] [Make and model approved by EIC as per specification]	18.00	Each	199.00	Rupees One Hundred Ninety Nine Only	3582.00
253	Termination and Testing of CAT 6 data socket I/o as per industries with ferruling for Pyrotech table,including cost of Site Visit for Work and Service up to defect laibility period.	40.00	Each	68.00	Rupees Sixty Eight Only	2720.00
254	Termination and Testing of RJ 11 Telephone socket as per industries with ferruling for Pyrotech table,including cost of Site Visit for Work and Service up to defect laibility period.	25.00	Each	42.00	Rupees Forty Two Only	1050.00
255	Supplying & erecting approved make Telephone Cable electrolytic copper conductor PE insulation twisted in two pairs, & wrapped with FRLS PVC tape & sheathed with FRLS PVC or HFFR outer Jacket suitable for telephone wiring & confirming to C-DOT erected in existing pipe. of following size of conductors & nos.of pairs. With necessary connections. Conductor Size 0.5 mm (b) Armoured [Jelly Filled] (2) Twenty Pairs	100.00	Mtr.	198.00	Rupees One Hundred Ninety Eight Only	19800.00
256	Providing & erecting main Distribution (MDF) indoor type, back mounted FRLSame [b] Suitable for 20 pair [Make and model approved by EIC as per specification]	1.00	Each	1355.00	Rupees One Thousand Three Hundred Fifty Five Only	1355.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
257	<p>Supplying and erecting approved make Octagonal pole made from HR sheet steel. The pole should be made as per IS. and shall be coated with hot dip galvanizing as per IS 2629/2633 suitable suspend local wind speed with integral Junction box with Hot Deep Galvanised door having 2 nos. 180° operated hinges & 2 nos. Ln key locking with silicon rubber gasket. Consist of terminal plate of min 6mm Hylam sheet, standard profile 35 mm X 7.5 mm Din-Rail & MCB, Brass stud type terminal and arrangement for cable termination to be erected on RCC foundation as per details given by manufacturer and EIC considering site requirement.</p> <p>Foundation Details: (1) Grade of RCC 1:2:4, (2) Grade of steel reinforcement of RCC FE 415, (3) Clear cover to reinforcement 50mm, (4) Concrete vibrated, (5) use suttering / farma, (6) Hot deep galvanized average 70 Micron, (7) Detail drawing will be given by corporation</p>	3.00	Each	6917.00	Rupees Six Thousand Nine Hundred Seventeen Only	20751.00
	(C) 5 Mtr. Long 70 mm Top X 130 mm bottom dia, 3 mm thickness with 200 mm X 200 mm X 12 mm base plate, 4-M16 Bolts and 600 mm long hot deep galvanized J-Bolt, nuts, washers with 800 mm under ground and 200 mm above ground level and Foundation in 1:2:4 proportion as per details given by manufacturer and EIC considering site requirement. Approx Pole weight 46 kg..(Make:-Bajaj, Valmont, Transrail, Ambica Only) (Test certificate to be submitted)					
258	<p>Providing and making Coil type earthing, coil made from 8 SWG galvanised iron wire with 50 mm OD and 50 turns (length of turns approx. 200 mm) and having additional continuous streight length of 3.00 mtr at open end and should be connected to earthing bolt and burried in 1.5 mtr deep specially prepared earth pit complete with salt and charcoal/coke as required for coil type earthing.(Approx weight of coil 1.0 to 1.1 Kgs)</p>	3.00	Each	368.66	Rupees Three Hundred Sixty Eight And Paise Sixty Six Only	1105.98

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
259	Supplying and erecting Fabricating terminal box 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
260	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 0.70 mtr. length with suitable rise as per site condition and suitable welded stiffner reducer and nipple with check nut complete painted with one coat of yellow zinc and two coats of alluminium paint for Single arm bracket suitable for pole or terrace as per design given by EIC (a) For single arm bracket. (Jindal / Asian / Tata / Surya Prakash make Only) (Fabricators:- Bajaj, Valmont, Transrail, Ambica Only) (Test certificate to be submitted)	3.00	Each	487.00	Rupees Four Hundred Eighty Seven Only	1461.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
261	For Wall & Terrace Street light Bracket: Providing and Fixing of wall and terrace bracket consisting of ISI mark "B" class G.I. Pipe 4.2 cm outside diameter and length suitable for building face for fixing the brackets and having spread of Upto 0.70 mtr. length with suitable degree angle as per site situation suggested by EIC. vertical plane and suitable welded stiffner reducer and nipple with check nut complete painted with one coat of red oxide and two coats of alluminium paint (Zinc Coating before alluminium Paint is mandatory)with . complete with 150*150*2mm thick G.I plate with 4no heavy duty galvanized jasti khila of required size or Single arm bracket (pipe in pipe type) suitable for terrace as per design given by EIC Considering parfait, height ,width and total height of building and type of led fitting. (a) For single arm bracket	8.00	Each	487.00	Rupees Four Hundred Eighty Seven Only	3896.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
262	Providing and Fixing SITC of Outdoor aesthetically designed LED Street Light Luminaire with total consumption of Max. 45 W with single piece die cast aluminium housing, high power LED shall be mounted on high quality metal core PCB with extremely precision designed heat sink complete with IP66 protection Class with polycarbonate / toughened glass cover the fixture should be suitable for pole/bracket mounting. The fixture to comply both LM79 and LM 80 guidelines with LED module min. 130 lumen/watt with toughen Glass L70 at 50,000 hrs, provided with high quality polycarbonate lenses for better light distribution.The Watt Capacity of each LED must be ≥ 4 Watt.(In Street Light Fitting). The Fixture Should be able to be Pole Mounted and also bracket mounted, provided with high quality driver for protection against high and low Voltage cut Off, operational for high ambient and high humid environments, THD of driver should be less than 10% and P.F > 0.95. Also the Fixture should meet the following technical criterias Oprating range Voltage 160 to 270 V, system efficiency ≥ 110 lm/w, and total lumens not less then 4950, CCT > 5000K, CRI > 65, beam angle 120 deg, surge immunity level at least 4 KV integral and 10 KV non integral.	3.00	Each	3512.00	Rupees Three Thousand Five Hundred Twelve Only	10536.00
	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)					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
263	<p>Providing and Fixing SITC of Outdoor aesthetically designed LED Street Light Luminaire with total consumption of Max. 90 W with single piece die cast aluminium housing, high power LED shall be mounted on high quality metal core PCB with extremely precision designed heat sink complete with IP66 protection Class with polycarbonate / toughened glass cover the fixture should be suitable for pole/bracket mounting. The fixture to comply both LM79 and LM 80 guidelines with LED module min. 130 lumen/watt with toughen Glass L70 at 50,000 hrs, provided with high quality polycarbonate lenses for better light distribution. The Watt Capacity of each LED must be ≥ 4 Watt. (In Street Light Fitting). The Fixture Should be able to be Pole Mounted and also bracket mounted, provided with high quality driver for protection against high and low Voltage cut Off, operational for high ambient and high humid environments, THD of driver should be less than 10% and P.F > 0.95. Also the Fixture should meet the following technical criterias Operating range Voltage 160 to 270 V, system efficiency ≥ 110 lm/w, and total lumens not less than 9900, CCT > 5000K, CRI > 65, beam angle 120 deg, surge immunity level at least 4 KV integral and 10 KV non integral.</p>	8.00	Each	6117.00	Rupees Six Thousand One Hundred Seventeen Only	48936.00
	<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. (Note:- The manufacturer / authorized Channel partner of the manufacturer has to submit 5 yrs free replcement Guarantee for complete Fixture)</p>					

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

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
265	<p>supplying & erecting 40W LED POST TOP LATERN fitting with high power white LEDs wattage of 1 ww and above assebled on single MCPCB's effiency more than 130 lumens per watt and corrosion free high pressure diecast alluminium housing with smooth finish powder caoted and heat sink extruded alluminium with difuser and poly carbonate optics/ lences with compny mark / name /engraved or embossed 120 to 300 volt, power factor more than 0.95, THD < 10%, CCT 5000K to 5700K , Uniformity ratio > 0.45, Luminure effiency Min 110 lumens per watt. LED Driver effiency > 85%. Cree/osram/philips Lumileds/Nichia /Seoul/Bridge Lux (USA) make LED used for luminare (Each Fitting required LM 79 and LM-80 certificates)</p> <p>(E)Post Top Latern LED Fitting Comprises of 650 MM TOP diameter 120 degree beam angle with 3 Nos supporting ribs proposed for garden & Promenade. maximum 40 watt. (Note:- The manufacturer/authorized Channel partner of the manufacturer has to submit 5 yrs free replcement Guarantee for complete Fixture)</p>	2.00	Each	4772.00	Rupees Four Thousand Seven Hundred Seventy Two Only	9544.00
266	<p>SITC LED Bollard fittings of minimum height 600 mm & dia.100mm having polycarbonate clear/milky diffuser mounted on 3mm thick aluminium finished powder coated pipe with base plate 160x160mm with erection by M8x75mm fastner with required RCC foundation.IP65 for 15 watt, surge- 4 kv- cat-III [Provision in estimate for garden]</p>	2.00	Each	3370.00	Rupees Three Thousand Three Hundred Seventy Only	6740.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
267	Supplying and erecting LED street light / Flood light fittings with High power White LEDs wattage of 3 Watt and above assembled on single MCPCB, efficiency more than 130 lm/w and corrosion free High pressure die cast aluminium housing with smooth finish powder coated and heat sink extruded aluminium with diffuser and Polycarbonate optics/ lenses with company mark/name engraved or embossed 160 to 270 V,Power Factor more than 0.95, THD < 10 %, CCT 3000 K to 5700K,Uniformity ratio >0.45, Luminaire efficacy> 100 lumens/watt . LED driver efficiency > 85 %.(fittings required LM-79 & LM-80 certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) For Street Light (IP-65), Surge protection -4KV integral and ,Light must have 440VAC line supply with over-voltage protection 10 to 12 Watts [Provision for compound wall light]	4.00	Each	1384.00	Rupees One Thousand Three Hundred Eighty Four Only	5536.00
268	Supplying & Erecting following size of Light duty “A” Class G.I. Pipe & erecting as directed by Engineer-in-charge. For 25 mm dia.	50.00	Mtr.	171.00	Rupees One Hundred Seventy One Only	8550.00
269	Providing & Erecting Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed. 3 core 1.5 sq.mm. PVC insulated round copper wire ISI mark.	100.00	Mtr.	46.00	Rupees Forty Six Only	4600.00
270	Providing & Erecting Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed. 3 core 2.5 sq.mm. PVC insulated round copper wire ISI mark.	50.00	Mtr.	77.00	Rupees Seventy Seven Only	3850.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
271	Providing & erecting XLPE (IS : 7098) (I)-88 ISI marked armoured Copper cable for 1100 volt to be laid 90 cms. Under ground or to be laid on wall with suitable G.I. heavy guage 1.0 mm thick cable clamp or in existing DWC pipe underground or road crossing or floor of following size of cables. [a-1] For 4 core x 4 sq.mm.	300.00	Mtr.	361.00	Rupees Three Hundred Sixty One Only	108300.00
272	Providing and erecting XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor 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. [d] 4 core x 16 Sq. mm.	160.00	Mtr.	152.00	Rupees One Hundred Fifty Two Only	24320.00
273	Providing and erecting XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor 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.. 3*1/2 core x 50 Sq. mm (35 Sq. mm 1/2 core)	100.00	Mtr.	282.00	Rupees Two Hundred Eighty Two Only	28200.00
274	Providing and erecting XLPE (IS:7098) (I)-88 ISI armoured cable multistrand Aluminium conductor 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. 3&1/2 core x 95 Sq. mm (50 Sq. mm x 1/2 core)	30.00	Mtr.	486.00	Rupees Four Hundred Eighty Six Only	14580.00
275[a]	Providing & fixing double compressed heavy duty flange type brass cable gland with rubber ring for P V C insulated armoured cable complete with outgoing tails, insulating tape etc. For following size cables. For 2 to 4 core x 2.5/4.0 Sq. mm (Sigma, MCI, Comet Make Only)	60.00	Each	43.00	Rupees Forty Three Only	2580.00
275[b]	For 4 core*16 Sq. mm (Sigma, MCI, Comet Make Only)	4.00	Each	57.00	Rupees Fifty Seven Only	228.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
276[a]	Providing and, fixing heavy duty flange type brass double compression type cable gland with rubber ring for PVC insulated armoured cable complete with out going tails, insulating tape etc for following size of cables.(A) 3 core 35/50 Sq. Mm	4.00	Each	66.00	Rupees Sixty Six Only	264.00
276[b]	(C) 3 core 95 Sq. mm	2.00	Each	134.00	Rupees One Hundred Thirty Four Only	268.00
277[a]	Providing & laying HDPE Double walled corrugated pipes (DWC) (conforming to IS: 16205 (part 24) 2018)) with minimum load required of 450N capacity with anti rodent and ultra violet material properties with necessary connecting accessories of same material at required depth to be laid 90 cms. under ground for laying of cable below ground / road surface for enclosing cable and back filling the same to make ground as per original. (A) For Outer dia. 50 mm and Inner dia. 38 mm. (Test Certificate to be Submitted)	200.00	Mtr.	117.00	Rupees One Hundred Seventeen Only	23400.00
277[b]	For 90 mm dia.	30.00	Mtr.	150.00	Rupees One Hundred Fifty Only	4500.00
278	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	516.00	Each	8.00	Rupees Eight Only	4128.00
279[a]	Providing & fixing Solderless crimping type Aluminium lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. [c] 16/25 Sq.mm.	20.00	Each	15.00	Rupees Fifteen Only	300.00
279[b]	For 35/50 Sq.mm.	30.00	Each	20.00	Rupees Twenty Only	600.00
279[c]	For 95 Sq.mm.	12.00	Each	40.00	Rupees Forty Only	480.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
280	Providing and Laying of Mains with ISI marked, 1.1 KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS:694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. [f] One wire 6.00 sq. mm	70.00	Mtr.	56.00	Rupees Fifty Six Only	3920.00
281	Providing and Laying of Mains with ISI marked, 1.1 KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS:694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. [f] One wire 10.00 sq. mm	50.00	Mtr.	91.00	Rupees Ninety One Only	4550.00
282	Providing and Laying of Mains with ISI marked, 1.1 KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS:694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. [g] One wire 16.00 sq. mm	160.00	Mtr.	141.00	Rupees One Hundred Forty One Only	22560.00
283	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. For One wire 25 sq.mm.	30.00	Mtr.	234.00	Rupees Two Hundred Thirty Four Only	7020.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
284	Providing and laying 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. For One wire 1.50 sq. mm	300.00	Mtr.	17.00	Rupees Seventeen Only	5100.00
285	Supplying and erecting Servo Controlled Voltage Stabilizer (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 Capacity, Out put volatge and Voltage regulation requirement. (9) Nil Wave form Distortion and Effect of Load Power. (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	66413.00	Rupees Sixty Six Thousand Four Hundred Thirteen Only	66413.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	(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 - IP20 (16) Type of Cooling - Air, Output: Bypass switch with changeover switch & 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 recitfication before giving order. 20 KVA (Make- Servomax, Krykard, fuji)					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
286	Providing, erecting, testing and commissioning insu intelligent street light controller 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, 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.	1.00	Each	20255.00	Rupees Twenty Thousand Two Hundred Fifty Five Only	20255.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
287	<p>Providing & Erecting open well type horizontal submersible mono block pump set with cast iron body having following specification [E] For 1 phase open well horizontal mono block pump set suitable for 185 LPM discharge at required head as per plumbing length and vertical & Horizontal head. Agency has to submit the details calculation of head to GSPHCL and get approval of make and model of pump having tender specification with TDS & GA drawings. Suitable for 32 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 304 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 specification.</p> <p>(1) Minimum 10mtr 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>(3) with necessary starter as per EIC</p> <p>(Body: Cast iron / Winding : Copper / stator : Copper / rotor : Copper / shaft : SS / Carbon material test certificate from manufacture shall be submitted)</p>	2.00	Each	9518.00	Rupees Nine Thousand Five Hundred Eighteen Only	19036.00
288	<p>Lowering of existing submersible motor pump set complete with required No. and size of pipes by means of proper chain pulley block and pipe wrenches. Job includes stacking of pipes cronologically after the checking of threads. [d] For open well horizontal submersible pump set for sump well. (i) 1 HP to 5 HP</p>	2.00	Per Job	848.00	Rupees Eight Hundred Forty Eight Only	1696.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
289	Supplying Water tight M.S.Box of size 20 x 15 x 15 cms. to erect suitable kitkat fuse / MCB to be . erected on polished wooden board inside the box with hinged/sliding door with rubber rings and erected on pole with suitable pole clamp, all duly painted with one coat of red oxide and two coats of paints. (Cost of Fuse / MCB shall be taken extra) [Provision for motors cable joints near sump]	1.00	Each	232.00	Rupees Two Hundred Thirty Two Only	232.00
290	Providing water proof straight joint in PVC insulated flat flexible copper cable by using insulated material water proofing material and making the joint complete. UP to 10 Sq.mm	2.00	Each	188.00	Rupees One Hundred Eighty Eight Only	376.00
291	Supplying and erecting ISI maked C.I. Sluice valve at position with necessary material like flange, packing, nuts, washers etc. for following size of pipe diameter. [d] 32 mm(1.5")	2.00	Each	443.00	Rupees Four Hundred Forty Three Only	886.00
292	Supplying and erecting C.I. Swing check type non-return (reflux) valve ISI marked with packing, flange, nuts and bolts etc.suitable for following pipe size. [a] For 32 mm dia.	2.00	Each	311.61	Rupees Three Hundred Eleven And Paise Sixty One Only	623.22
293	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. [c] 3 Core x 1.5 Sq. mm	10.00	Mtr.	65.00	Rupees Sixty Five Only	650.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
294	<p>Supplying, installation, testing and commissioning of electric driven booster terrace pump suitable for automatic operation and consisting of following, complete in all respects, as required: (Terrace Pump)</p> <p>(a) Horizontal type, Single stage, end suction, closed coupled pump of cast iron body & 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 & Test Certificate shall be submitted to Local fire Authority for approval] 450 LPM @ 35 m Head</p>	1.00	Each	33838.00	Rupees Thirty Three Thousand Eight Hundred Thirty Eight Only	33838.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
295	Supplying & erecting approved make motor control cubical panel (Direct-on- line) 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. [The Panel must be suitable for ON-OFF switch contacts with suitable capacity in contactors and required accessories in panel] (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	1.00	Each	7646.00	Rupees Seven Thousand Six Hundred Forty Six Only	7646.00
296	SITC of 4 Zone Fire Alarm Control Panel , 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) [RAVAL, GST, MOORLEY make and model approved by EIC as per specification] [Test certificate must be submitted]	1.00	Each	19320.00	Rupees Nineteen Thousand Three Hundred Twenty Only	19320.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
297	Providing and fixing of Dial type Pressure Gauge having 100 mm dial & range of 0-14 Kg/cm ² with isolation ball valve. (Make:- Hguru, Fiebig or equivalent make and model approved by EIC as per specification) (Test certificate must be submitted)	1.00	Each	1539.00	Rupees One Thousand Five Hundred Thirty Nine Only	1539.00
298	Providing & fixing of pressure switch in M.S. pipe line including connection etc. as required. (Indfos, Danfoss or equivalent Approved ISI make & model approved by EIC)	1.00	Each	1310.00	Rupees One Thousand Three Hundred Ten Only	1310.00
299	Supplying and fixing air vessel (pressure vessel) made of 250 mm dia , 8 mm thick MS sheet, 1200 mm in height with air release valve 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)	1.00	Each	15462.00	Rupees Fifteen Thousand Four Hundred Sixty Two Only	15462.00
300	Supplying, installation, testing and commissioning of On/Off switch with all require. [ASES or equivalent make and model approved by EIC as per specification] [Test certificate must be submitted]	2.00	Each	890.00	Rupees Eight Hundred Ninety Only	1780.00
301	SITC of ABS Manual Call Point with key – break / Re settable type . (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
302	SITC of ABS Sounder - 24V, 95-105 db APPROVAL: CE Mark (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

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
303	<p>Providing and fixing of ABC Type Store Pressure Fire Extinguisher Having capacity 6 kg Filled with Mono Ammonium Phosphate Powder 50% 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 & C and electrically started Fire, Fire Rating 4A:144B, Can Construction : Deep drawn & CO2 Mig welded, EPDM(Ethylene Propylene Diene Monomer) Rubber Hose with both end Aluminum clamped, Internal Coating - Epoxy Powder coating, External Coating - Pure Polyester Powder coating (UV Resistant), Brass forged CE Marked valves with NRV & Auto Safety Release with safety Pin is of SS material, Made up from 1.6mm thick sheet, Extinguishers confirmed to IS 15683:2018 and ISI marked. Referance Weight:-Gross Weight 8.9 Kg, Empty Weight 2.9 Kg, 1. Necessary certificate & 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>	8.00	Each	1991.00	Rupees One Thousand Nine Hundred Ninety One Only	15928.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
304	<p>Providing and fixing of CO2 type High Pressure Portable 4.5 kg Fire Extinguisher, filled with Co2 Gas as per IS 15222, Control discharge mechanism fitted with 1 Meter Wire Braided Hose & Electrical non-conductor Polyethylene Flat Horn 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, Fire Rating 55B, Internal coating is not applicable & External coating is of enamel spray painting, Powder Coated Handle, Valve Confirm to IS 3224 ISI Marked, CO2 Cylinder construction: hot spinning by seamless pipes & bearing ISI mark, Body confirms to IS 7285 and PESO (Petroleum and Explosives Safety Organization) APPROVED, Minimum Wall Thickness 4 to 4.2 mm, Extinguishers confirmed to IS 15683:2018 and ISI marked. Referance Weight:-Gross Weight 16.4, empty weight 11.9 Kg, 1. Necessary certificate & 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>	8.00	Each	6526.00	Rupees Six Thousand Five Hundred Twenty Six Only	52208.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
305	<p>Providing and fixing of Automatic type 5 kg Fire Extinguishers Mono Ammonium Phosphate powder 50% Confirms to IS 4308, Applicable fire classes A,B & C, UGTS Pressure Gauge, Can Height 370mm, Diameter 230 ± 10mm, Made up from 2 mm thick sheet, Body Construction Deep Drawn with MIG Welding technology, Brass forged sprinkler valves with Nozzle is specially designed to give more than 99% discharge. Together with orifice characteristic to cover adequately fire risks with scattering cone of 40 to 45° Angle. External Pure polyester (UV resistant) and Internal Epoxy polyester powder coated, Heat Sensitive Glass bulb of 68 °C. Area covered will be 2-2.5 m2 and volume of coverage is 7 m3. Referance Weight:-Empty Weight 2.64 kg, Full weight 7.64 kg, 1. Necessary certificate & and guarantee must be attached, 2. OEM has to provide heavy duty wall/ Ceiling mounting 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>	2.00	Each	5240.00	Rupees Five Thousand Two Hundred Forty Only	10480.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
306	<p>Executing comprehensive (All-in-All) service & maintenance with spare parts as per terms & condition of tender for Fire system, Fire Extinguisher, tarrace Pump 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 submit to G.S.P.H.C.L. Agency has to Compulsory submit FDR of approved bank as per clause 2.0, section 3 of FDR of Rs. 5052.00 + GST or quoted rate (as per tender 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. & at the completion of defect liability period. In any case without submitting FDR final bill submission will not be done. Fire System agency has to maintain written record of service & maintenance during defect liability daily period duly sign by police dept. and submitted regularly to G.S.P.H.C.L. Agency has to give minimum three services and demonstration per year and testing and training of entire fire hydrant, sprinkler, fire alarm, Fire Extinguisher etc. during defect liability period and obtain necessary certificate from police department and submitted to G.S.P.H.C.L. Agency has to do maintenance as per terms & condition alternative in tender. Re-filling Hydraulically pressure for CO2 and ABC type fire extinguisher if required to get the N.O.C. from fire department.</p>	1.00	Job	5052.00	Rupees Five Thousand Fifty Two Only	5052.00
	<p>Agency has to give One live demonstration of fire Mock drill for fire fighting with minimum 01 no. CO2 and 01 no. ABC type fire extinguisher at the time of handing over this system to the Police department and another at the time of releasing final Security deposit. The necessary certificate / photographs for that must be submitted.</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
307	Providing and erecting water cooler having storage capacity 80 Ltr. & cooling capacity 40 Ltr.per hour @ an ambient temp of 45° C . The outlet temp. of the water should drop by 15°C within a hour, The water cooler should be comprising of hermetically sealed compressor 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/distributer who has executed the work. service & Maintanance must be as per OEM guid line.) [Voltas, Bluestar, Usha make & model approved by EIC as per specification]	1.00	Each	49069.00	Rupees Forty Nine Thousand Sixty Nine Only	49069.00
308	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 25 Ltr / Hr with 30 Ltr. Storage Tank [Power H2O, ION EXCHANGE, Eureka Forbes, RainDrop or equivalent make & model approved by EIC as per specification]	1.00	Each	15466.00	Rupees Fifteen Thousand Four Hundred Sixty Six Only	15466.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
309	The purpose of RO plant is cater the portable and drinking water 24X7 to beneficiary. So we have taken comprehensive maintenance contract item in this tender. Agency has to give All-in-All maintenance contract to OEM of RO plant and submit AMC copy to G.S.P.H.C.L. at the time of final bill. Agency has to submit FDR of approved bank as per clause 2.0, section 3 of Rs. 13919.00 + GST or quoted rate (as per % tender premium) which ever 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 succesfull completion of AMC & at the end of defect liability period. AMC consist of general service & Filter shall be replaced at every 3 months.Membranes & booster pump shall be repaired/ replaced whenever required.Agency has to stick maintenance schedule on the RO plant and date of service, TDS of water, discharge of water etc. shall be written on this.Agency has to receive certificate from beneficiary every year and submit at the time of releasing SD. For 25 Ltr RO plant	1.00	Job	13919.00	Rupees Thirteen Thousand Nine Hundred Nineteen Only	13919.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
310	<p>Supply, Installation, Testing & Commissioning of following size of Grid Tied Solar Power Plant with</p> <p>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:</p>	10.00	PER KW	43645.00	Rupees Forty Three Thousand Six Hundred Forty Five Only	436450.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	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 & APP,Datalogger & Communication: GPRS / Wi-Fi, Module Mounting Structure: Seamless Box Pipe / 'C' Channel of suitable size for rooftop solar installations with good stability against wind & 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 & DCDB), inter connecting wiring, earthing system, lightning arrester system, all liasoning work with various gov. department like state nodal agency,DISCOM & CEIG is included in agency scope					
	(Excluding GEDA Application fees, Solar connectivity Charges, Meter connectivity Charges, Meter testing Charges.)					
	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 & Beneficiearies.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 & Electrical Agency and GSPHCL Civil engineer have to decide the methodology ation of foundand work should be carried out under supervision of GSPHCL Civil Engineer					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	Note2: Capacity of Solar Panel in Tender is approximately .Engineer In Charge(EIC) can increase and decrease the capacity in KW as per site requirement.					
	Note3: Any Subsidy received by the government towards the cost of solar roof tops will have to diposited in the GSPHCL.Keeping this in mind, the agency will have to quote the rate in the tender.					
	Grid Tied Solar Power System: 10 kW (3 - phase)					
311	Providing & erecting XLPE (IS : 7098) (I)-88 ISI marked unarmoured 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) (For 10 KW)	30.00	Mtr.	238.00	Rupees Two Hundred Thirty Eight Only	7140.00
312	Providing & fixing PVC cable gland with rubber ring for PVC 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

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
313	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/repaired 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 submit FDR of approved bank as per clause 2.0, section 3 of Rs. 165270.00 + GST or quoted rate (as per tender premium) which ever 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 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 G.S.P.H.C.L. & also get satisfactory certificate from beneficiaries at the time of Defect liability period and copy of maintenance contract must be submitted during final bill.	10.00	Per KW	16527.00	Rupees Sixteen Thousand Five Hundred Twenty Seven Only	165270.00
				Total	Amounts Rs.	15869567.35

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Contractors Signature

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