

# GUJARAT STATE POLICE HOUSING CORPORATION LTD. JUNAGADH

**Name of Work :**

**Special Repair work for FSL Building, Construction of Room For Hydrogen/Nitrogen Bottle, Ground Leveling & IPS Work of Open Ground at Front side of FSL Building, Construction of Sump and Pump Room & Providing, Installing, Testing and Commissioning Fire Fighting System For FSL Building at Junagadh. Dist:Junagadh. (Including Electric work)**

## :: SCHEDULE B ::

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

**Rs.        #REF!**

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
1	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift. (i) R.C.C. work	8.00	Cum	1071.63	Rupees One Thousand Seventy One And Paise Sixty Three Only	8573.04
2	Excavation for foundation upto <b>1.50mt.</b> depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto any lead & Lift. <b>[A] Loose or soft soil</b>	14.00	Cum	121.72	Rupees One Hundred Twenty One And Paise Seventy Two Only	1704.08
3	Excavation for foundation upto <b>1.50mt.</b> depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto any lead & Lift. <b>[B] Dense or Hard soil</b>	54.00	Cum	155.60	Rupees One Hundred Fifty Five And Paise Sixty Only	8402.40

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
4	Excavation for foundation upto <b>1.50mt.</b> depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto any lead & Lift. <b>[D] Soft rock</b>	80.00	Cum	273.50	Rupees Two Hundred Seventy Three And Paise Fifty Only	21880.00
5	Excavation for foundation <b>1.50mt. to 3.00mt.</b> depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto any lead & Lift. <b>[D] Soft rock</b>	45.00	Cum	297.05	Rupees Two Hundred Ninety Seven And Paise Five Only	13367.25
6	Excavation for foundation <b>3.00mt. to 5.00mt.</b> depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto any lead & Lift. <b>[D] Soft rock</b>	30.00	Cum	320.60	Rupees Three Hundred Twenty And Paise Sixty Only	9618.00
7	Providing & Laying ordinary Cement Concrete <b>1:2:4</b> in Foundation and Plinth including finishing smooth and curing complete, including cost of formwork and reinforcement. <b>FOUNDATION AND PLINTH.</b>	7.00	Cum	3767.61	Rupees Three Thousand Seven Hundred Sixty Seven And Paise Sixty One Only	26373.27
8	<b>Providing &amp; laying controlled cement concrete M-250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Foundation Footing</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	10.00	Cum	4722.49	Rupees Four Thousand Seven Hundred Twenty Two And Paise Forty Nine Only	47224.90

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
9	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Wall up to Plinth level.</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	17.00	Cum	9927.74	Rupees Nine Thousand Nine Hundred Twenty Seven And Paise Seventy Four Only	168771.58
10	Providing & laying Cement Concrete <b>1:4:8</b> ( 1 cement : 4 coarse sand : 8 graded MC stone aggregates of 40 mm nominal size) curing complete including cost of formwork in <b>FOUNDATION AND PLINTH.</b>	120.00	Cum	2742.27	Rupees Two Thousand Seven Hundred Forty Two And Paise Twenty Seven Only	329072.40
11	<b>Brick work</b> using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm. <b>in foundation and plinth</b> in cement mortar 1:6 (1-cement;6-coarse sand), Conventional bricks. Bricks with frog only shall be used.	18.00	Cum	4172.60	Rupees Four Thousand One Hundred Seventy Two And Paise Sixty Only	75106.80
12	Providing and Laying TMT bar Fe 500 reinforcement of approved brand by GSPHC only for RCC work including cutting, bending, binding and placing in position etc. comp.for all floors	3520.00	Kg	79.64	Rupees Seventy Nine And Paise Sixty Four Only	280332.80
13	Providing & laying cement concrete <b>1:1.5:3</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Plinth Beam</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	1.00	Cum	7282.29	Rupees Seven Thousand Two Hundred Eighty Two And Paise Twenty Nine Only	7282.29

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
14	Providing & laying cement concrete <b>1:1.5:3</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Coping</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	1.00	Cum	4844.25	Rupees Four Thousand Eight Hundred Forty Four And Paise Twenty Five Only	4844.25
15	<b>Filling available excavated earth (excluding rock )</b> in trenches, plinth sides of foundation etc. in layers not exceeding 20 cms. in depth consolidation each deposited layer by ramming and watering.	34.00	Cum	135.56	Rupees One Hundred Thirty Five And Paise Fifty Six Only	4609.04
16	Filling in foundation and <b>plinth with murrum</b> or selected soil in layers of 20 cm. Thickness including watering, ramming and consolidating etc. complete.	337.00	Cum	298.79	Rupees Two Hundred Ninety Eight And Paise Seventy Nine Only	100692.23
17	Supplying and Filling in plinth with <b>sand under floors</b> including watering, ramming, consolidation and dressing etc.complete.	1.00	Cum	477.03	Rupees Four Hundred Seventy Seven And Paise Three Only	477.03
18	Applying general insecticide <b>pest control treatment</b> to floors, cup boards etc., including labour, material etc. complete.	9.00	Sqm	38.70	Rupees Thirty Eight And Paise Seventy Only	348.30
19	Providing and laying <b>cement concrete 1:5:10</b> ( 1 cement ; 5 coarse sand; 10 hand broken stone aggregate 40mm nominal size) and curing complete including cost of form work in <b>foundation and plinth.</b>	1.00	Cum	2581.11	Rupees Two Thousand Five Hundred Eighty One And Paise Eleven Only	2581.11
20	<b>Brick</b> work using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm.in <b>Ground Floor</b> in cement mortar 1:6 (1-cement;6-coarse sand), Conventional bricks. Bricks with frog only shall be used.	6.00	Cum	4451.53	Rupees Four Thousand Four Hundred Fifty One And Paise Fifty Three Only	26709.18

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
21	Providing & laying cement concrete <b>1:1.5:3</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Lintel for Ground Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	0.50	Cum	5871.60	Rupees Five Thousand Eight Hundred Seventy One And Paise Sixty Only	2935.80
22	Providing & laying cement concrete <b>1:1.5:3</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Lintel Bend for Ground Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	0.50	Cum	5871.60	Rupees Five Thousand Eight Hundred Seventy One And Paise Sixty Only	2935.80
23	Providing & laying cement concrete <b>1:1.5:3</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Chajja for All Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	0.50	Cum	6215.21	Rupees Six Thousand Two Hundred Fifteen And Paise Twenty One Only	3107.61

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
24	Providing & laying cement concrete <b>1:1.5:3</b> and finishing smooth with curing etc.complete including the cost of formwork but excluding the cost of reinforcement for <b>R.C.C. work in SLAB having thickness of 13 cm. and upto 15 cms.</b> for any cross sectional area at <b>Ground Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	1.50	Cum	6758.58	Rupees Six Thousand Seven Hundred Fifty Eight And Paise Fifty Eight Only	10137.87
25	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Beam.</b> for any cross sectional area at <b>Ground Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	0.50	Cum	9115.42	Rupees Nine Thousand One Hundred Fifteen And Paise Forty Two Only	4557.71
26	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork but excluding the cost of reinforcement for <b>R.C.C. work in SLAB having thickness of 10 cm. and upto 13 cms.</b> for any cross sectional area at <b>Ground Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	6.50	Cum	7735.86	Rupees Seven Thousand Seven Hundred Thirty Five And Paise Eighty Six Only	50283.09

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
27	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>LINTEL Bend</b> for any cross sectional area at <b>GROUND FLOOR</b> .Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	0.70	Cum	6147.05	Rupees Six Thousand One Hundred Forty Seven And Paise Five Only	4302.94
28	P & L ordinary Cement Concrete Flooring 1:2:4 laid in one layer and finished with a floating coat of neat cement. (B) 50mm thick.	1197.00	Sqm	335.72	Rupees Three Hundred Thirty Five And Paise Seventy Two Only	401856.84
29	Removing & Scraping of old Deteriorated plaster of any thickness from wall/R.C.C. member including stacking of serviceable material and disposal of unserviceable from site of work with all.	373.00	Sqm	19.69	Rupees Nineteen And Paise Sixty Nine Only	7344.37
30	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.	132.00	Sqm	48.63	Rupees Forty Eight And Paise Sixty Three Only	6419.16
31	Dismantling santtary fittings like wash basin . W.C. pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift.	16.00	No	410.13	Rupees Four Hundred Ten And Paise Thirteen Only	6562.08
32	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.	372.00	Sqm	316.03	Rupees Three Hundred Sixteen And Paise Three Only	117563.16

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
33	Providing & laying controlled cement concrete <b>M- 200</b> and finishing smooth with curing etc.complete including the cost of formwork but excluding the cost of reinforcement for <b>R.C.C. work in SLAB having thickness of 13 cm. and upto 15 cms.</b> for any cross sectional area at <b>Fifth Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	8.00	Cum	7833.51	Rupees Seven Thousand Eight Hundred Thirty Three And Paise Fifty One Only	62668.08
34	Providing & laying controlled cement concrete <b>M- 200</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Beam.</b> for any cross sectional area at <b>Fifth Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	2.00	Cum	9285.12	Rupees Nine Thousand Two Hundred Eighty Five And Paise Twelve Only	18570.24
35	Providing and laying acrylic base (zycosil) equivalant water proofing paint in two coats to vertical and horizontal surface of depressed portion of bath and W.C. as directed by engineer -in- charge. This treatement shall be carried out over and above water proofing cement plaster	279.00	Sqm	110.70	Rupees One Hundred Ten And Paise Seventy Only	30885.30
36	Providing CEMENT VATA ( 10 cm. x 10 cm. )size quarter round in cement mortar 1:1 including neat cement finishing, watering etc.complete	269.00	Rmt	24.04	Rupees Twenty Four And Paise Four Only	6466.76
37	Suppllyng and filling cinder in sunk portion for all lead and lift etc. complete	18.00	Cum	791.69	Rupees Seven Hundred Ninety One And Paise Sixty Nine Only	14250.42



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
38	Providing and laying integrated cement based proprietary water proofing treatment of required thickness over the roof including providing and applying two coat of Acrylic polymer of approved brand & manufactures and china mosaic fitting and finally finishing the surface with white cement slurry and sloping out terrace slabs with following specification laid to required slope not flatter than 1 : 80 (incl treating the vertical surface of the parapet wall upto 20cms height above finished level of terracing including finishing, curing, testing etc. comp. Rate is incl. Ten years performance of guarantee bond to be given on stamp paper. (No extra shall be paid for increase in thickness for proper slope).	9.00	Sqm	713.97	Rupees Seven Hundred Thirteen And Paise Ninety Seven Only	6425.73
	(a) Applying two coats of Acrylic based polymer of approved brand & manufacture as per recomodation of manufacturer over the R.C.C. Slab incl. clearing the surface before treatment.					
	(b) Finishing the surface with China Mosaic pieces laid on 10mm thick joint less cement mortar 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.					
	(c) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing for final test.All above operations to be done in order and as directed and specified by the engineer - in - charge.					
39	Providing and laying ordinary Cement Concrete 1:2:4 including finishing smooth and curing complete, including cost of formwork but excluding cost of reinforcement. For all Floors.	22.00	Cum	3849.97	Rupees Three Thousand Eight Hundred Forty Nine And Paise Ninety Seven Only	84699.34

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
40	Providing and laying white glazed tiles 8mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) finishing with flush pointing in white cement.	176.00	Sqm	859.95	Rupees Eight Hundred Fifty Nine And Paise Ninety Five Only	151351.20
41	Providing and laying white glazed tiles 8mm thick in Skirting riser of steps and dado laid on 10mm thick cement mortar 1:3 (1-cement : 3-coarse sand ) and jointed with white cement slurry.	219.00	Sqm	1116.32	Rupees One Thousand One Hundred Sixteen And Paise Thirty Two Only	244474.08
42	Providing 10 mm thick cement PLASTER in single coat on ceilings for interior plastering and finished even & smooth in C.M. 1: 3 ( 1 cement : 3 sand ) including finishing with a floating coat of neat cement slurry at GROUND FLOOR	72.00	Sqm	220.13	Rupees Two Hundred Twenty And Paise Thirteen Only	15849.36
43	Providing 15 mm thick cement PLASTER in single coat on brick or concrete wall for interior plastering and finished even and smooth in C.M. 1:4 ( 1 cement : 4 sand ) including finishing with floating coat of neat cement slurry at GROUND FLOOR.	128.00	Sqm	220.46	Rupees Two Hundred Twenty And Paise Forty Six Only	28218.88
44	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.	44.00	Sqm	246.61	Rupees Two Hundred Forty Six And Paise Sixty One Only	10850.84
45	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.	47.00	Sqm	248.93	Rupees Two Hundred Forty Eight And Paise Ninety Three Only	11699.71

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
46	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.	44.00	Sqm	273.09	Rupees Two Hundred Seventy Three And Paise Nine Only	12015.96
47	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.	43.00	Sqm	277.40	Rupees Two Hundred Seventy Seven And Paise Forty Only	11928.20
48	Providing 10 mm thick cement PLASTER in single coat on ceilings for interior plastering and finished even & smooth in C.M. 1: 3 ( 1 cement : 3 sand ) including finishing with a floating coat of neat cement slurry at THIRD FLOOR.	59.00	Sqm	299.57	Rupees Two Hundred Ninety Nine And Paise Fifty Seven Only	17674.63
49	Providing 15 mm thick cement PLASTER in single coat on brick or concrete wall for interior plastering and finished even and smooth in C.M. 1:4 ( 1 cement : 4 sand ) including finishing with floating coat of neat cement slurry at THIRD FLOOR.	107.00	Sqm	305.87	Rupees Three Hundred Five And Paise Eighty Seven Only	32728.09
50	Providing 20 mm thick SAND FACED cement PLASTER on walls above ground level consisting 12 mm thick backing coat of C.M. 1: 3 ( 1 cement : 3 sand ) and 8mm thock finishing coat of C.M. 1:1 ( 1 cement : 1 sand ) etc. Complete for any height.	394.00	Sqm	339.02	Rupees Three Hundred Thirty Nine And Paise Two Only	133573.88

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
51	Providing and Fixing Granite of <b>Telephonic Black Colour 15 to 18mm thick for jambs and sills of doors &amp; windows</b> using neat cement slurry laid over 20 mm average base of cement mortar 1:1 (1 cement:1 Coarse Sand) and jointed with grey cement slurry including racking (Tancha Work) rubbing and polishing, scaffoldings, tools and tackles, scaffolding etc. complete. (with base of neat cement) as per direction of Engineer in charge including rounding the exposed edges as directed etc. Complete for ALL FLOORS.	2.00	Sqm	2428.00	Rupees Two Thousand Four Hundred Twenty Eight Only	4856.00
52	Providing and fixing both side 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.	192.00	Sqm	793.90	Rupees Seven Hundred Ninety Three And Paise Ninety Only	152428.80
53	Providing and laying 25mm thick Double Pre Polished (Dimond Polished) Kota Stone <b>Slab Flooring</b> over 20mm average thick base of cement mortar 1:6 ( 1 cement : 6 coarse sand) laid over & jointed with grey cement slurry including rubbing & polishing etc. Complete. for all floors.	19.00	Sqm	1108.30	Rupees One Thousand One Hundred Eight And Paise Thirty Only	21057.70
54	Providing and laying 25mm thick Double Pre polished(Dimond Polished) KOTA STONE slab 25mm thick in <b>RISERS of steps, dedo</b> and pillars laid on 10 mm thick C.M. 1 :3 ( 1 cement : 3 coarse sand) and jointed with gray cement slurry inculding rubbing and polishing etc. complete. for all floors	1.50	Sqm	1197.10	Rupees One Thousand One Hundred Ninety Seven And Paise Ten Only	1795.65

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
55	Providing & Laying integrated cement based proprietary water proofing treatment of required thickness over the roof including 10mm thick water proofing cement plaster in cement mortar 1:3 and <b>CHINA MOSAIC</b> fitting and finally finishing the surface with white cement slurry and slopping out terrace slab with following specification laid to required slope not flatter than 1:80 (the thickness of water proofing treatment near rain water outlet or the lowest point of the finished slope shall not be less than 45mm including treating the vertical surface of the parapet wall upto 20cms. height above finished level of terracing including finishing top with joint less water proofing plaster, curing, testing etc. completed. Rate is including 10 years performance of guarantee bond to be given on stamp paper (No extra shall be paid for increase in thickness for proper slope)	18.00	Sqm	890.37	Rupees Eight Hundred Ninety And Paise Thirty Seven Only	16026.66
	(A) Applying and grouting a slurry coat of neat cement using 2.75 kg/Sqm of cement admixed with proprietary water proofing compound conforming to IS-2645 over the RCC slab including cleaning the surface before treatments.					
	(B) Laying cement concrete using broken bricks bats 25mm to 40mm size with 50% of cement mortar 1:4 (1cement : 4 coarse sand) over 10mm thick water proofing cement plaster in cement mortar of mix 1:3 (1cement : 3 coarse sand) admixed with proprietary water proofing compound confirming to IS-2645 to required slope and treating similarly the adjoining walls upto 200mm height including rounding of junction of walls.					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	(C) After two days of proper curing applying a second coat of cement slurry.					
	(D) Finishing the surface with china mosaic pieces laid in 10mm thick joint less cement mortar of mix 1:3 (1cement : 3 coarse sand) admixed with proprietary water proofing compound confirming to IS-2645 and finally finishing the surface with trowel with neat cement slurry.					
	(E) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing for final test. All above operation to be done in order and as directed and specified by the engineer in charge.					
56	<b>Half brick</b> masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm. in cement mortar 1:4 (1-cement;4-coarse sand) in <b>First Floor</b> , Conventional bricks. Bricks with frog only shall be used.	20.00	Sqm	683.73	Rupees Six Hundred Eighty Three And Paise Seventy Three Only	13674.60
57	<b>Half brick</b> masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm. in cement mortar 1:4 (1-cement;4-coarse sand) in <b>Second Floor</b> , Conventional bricks. Bricks with frog only shall be used.	23.00	Sqm	689.97	Rupees Six Hundred Eighty Nine And Paise Ninety Seven Only	15869.31
58	<b>Half brick</b> masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm. in cement mortar 1:4 (1-cement;4-coarse sand) in <b>Third Floor</b> , Conventional bricks. Bricks with frog only shall be used.	46.00	Sqm	696.21	Rupees Six Hundred Ninety Six And Paise Twenty One Only	32025.66

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
59	Constructing of cooking platform ( sandwich type ) 68cm width and 80cm high resting on thick sandwiched polish Granite Slab in C.M 1:3 with providing and fixing 25 mm thick rough kota stone at bottom and 20 to 25 mm thick Polish Granite stone ( single piece/ telephonic Black ) top & Vertical and polished granite stone (single piece/ telephonic Black ) 20 to 25mm thick on top & 18mm thick in Vertical with 15mm high machine cut polished granite round moulded Top facia patty including polishing etc . complete as per drawing and specification without stainless steel sink including necessary cutting for sink & making hole for gas pipe and fixing P.V.C bend of 25mm dia. For All Floors	24.00	Rmt	3797.65	Rupees Three Thousand Seven Hundred Ninety Seven And Paise Sixty Five Only	91143.60
60	Providing and Fixing Stainless Steel (304 Grade) 1mm thick Matt / Satin Finish Kitchen Sink of over all Minimum size 533mm x 457mm x 203mm deep having bowl Minimum size 470mm x 395mm x 203mm Finishing with cement mortar 1:3 (1-Cement : 3-Fine Sand) 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 Material used as per approved make of GSPHCL) for ALL FLOORS.	20.00	No	4269.00	Rupees Four Thousand Two Hundred Sixty Nine Only	85380.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
61	Providing, Supplying and Fixing of 32mm (Total) Thick Single Flush Door Shutter with 1mm Thick Laminates on Both Side of Shutter. Making / Construction of Flush Door is with Pine or southern Yellow Pine Filler and 2.5mm core veneer Both Side and 0.4mm Face Veneer on Both Side with Lock rail on Center. Flush Door Provide with Teak wood beading patti (32mm X 12mm) on Peripheries of Flush Door with Door Frame of Non Teak Solid Wood of <b>size 100mm x 60mm</b> with Chemically Treated and Seasoned Including Paint Matching with Laminates. Frame & Flush door shutter having 5 year warranty against attack of biological agent like termite, borers, decay, fungi and harmful insects also warranty against seasoning related issues like crack, bending, twisting, warping. Laminates on shutter shall be press by cold press method. Shutter shall be brought to site in packed PVC bags & pvc coating shall be removed on completion of work in such a way that shutter & Frame is free from nail mark & any damages etc.	2.00	Sqm	8407.55	Rupees Eight Thousand Four Hundred Seven And Paise Fifty Five Only	16815.10



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	<p>Rates are also Inclusive of all Labors &amp; Proviging 15cm. Long 8 No of Hold Fast (25mm X 5mm) &amp; 4 No of 6 Inch S.S. but Hinges, 100mm x 75 mm x 3mm thick, required Screw &amp; Nails per Frame and Fixing following S.S. Fixtures And Fastening.</p> <p>(1) Aldrops 1 No, 250mm x 16mm &amp; Tadi 1 No, (2) Door Stopper 1 No, 100mm Long, (3) Double Leg Heavy Push Door Stopper 1 No &amp; (4) Handle 2 No, 150mm Long X 10mm thick. Door are Fixing as per Details Drawing &amp; Instruction of Engineer in charge. All Materials Used Shall be as Per approved Material Make List of G.S.P.H.C. The Required Frame is to be Obtained from Vanil Udhyog Maked Only.</p>					
62	<p>Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 95mm x 24mm x 1.17mm @ wt.of 0.738 Kg/mt , horizontal Three track member size 92mm x 31.75mm x 1.30mm,@ Wt.1.07 Kg/mt , vertical member of size 92mm x 31.75mm x 1.50mm @ Wt. 1.06 Kg/mt with sliding shutters of horizontal member size 40 mmx18mm x1.29mm @ wt.of 0.456 Kg/mt, vertical member of size 40mm x 18mm x 1.29 mm @ wt.of 0.456Kg/mt/ with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc</p>	1.75	Sqm	1568.27	Rupees One Thousand Five Hundred Sixty Eight And Paise Twenty Seven Only	2744.47

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
63	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.	30.00	Sqm	699.93	Rupees Six Hundred Ninety Nine And Paise Ninety Three Only	20997.90
64	Providing and 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 finished with flush pointing & cleaning the surface etc. complete for light shade. For All Floors, material shall be used as per approved make as per GSPHC	186.00	Sqm	1513.90	Rupees One Thousand Five Hundred Thirteen And Paise Ninety Only	281585.40
65	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 finished with flush pointing & cleaning the surface etc. complete for light shade. For All Floors material shall be used as per approved make as per GSPHC	18.00	Sqm	1445.20	Rupees One Thousand Four Hundred Forty Five And Paise Twenty Only	26013.60
66	Supply & Installation of Venetian Blinds For Windows :- Vertical Louvre Fabric Blinds System with extruded aluminium headrail finished in silver anodized. Operation of louvers by cord for traverse and chain for rotation.	44.00	Sqm	2200.00	Rupees Two Thousand Two Hundred Only	96800.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
67	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. <b>Structural Steel material should be used ISI marked only.</b>	2410.00	Kg	75.11	Rupees Seventy Five And Paise Eleven Only	181015.10
68	Providing & Fixing soild WPC Cupboard with all necessary fitting & fasting. Material as per direction of the Engineer -in-charge.	144.00	Sqm	5380.00	Rupees Five Thousand Three Hundred Eighty Only	774720.00
69	Providing and fixing in position ISI marked Rotational moulded <b>Polyethylene double layer cylindrical vertical storage Tank</b> (IS : 1270) water Tank Size including marking inlet and outlet. Over flow and washout arrangement with G.I. connection including using necessary M.H. for connection etc. complete with closed cover including applying two coats of oil painting outside the Tank etc. complete.	1000.00	Litre	3.91	Rupees Three And Paise Ninety One Only	3910.00
70	Providing and fixing ball cock of approved quality as directed. (A) Copper Metal ISI Mark. <b>(ii) 50 mm dia.</b>	1.00	No	187.96	Rupees One Hundred Eighty Seven And Paise Ninety Six Only	187.96

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
71	Providing & Fixing <b>Wall Hung</b> with PVC Flush Tank, Soft Seat Cover & intergal "P" or "S" Trap including Jointing the Trap with Pan and Soil pipe. Wall hung shall be fixed on S.S heavy duty rack bolt having 16mm dia, 165mm length using Plastic sleeve Make by Using Drill Bitt Only. Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complet as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge.The Model & Make of Wall Hung & Flush tank Shall be as per the Approved Make List of G.S.P.H.C.L.	9.00	No	5470.90	Rupees Five Thousand Four Hundred Seventy And Paise Ninety Only	49238.10
72	Providing and fixing water closet squatting pan (Orissa type W.C. pan) first quality with UPVC S trap of 100 mm including jointing the trap with UPVC Pipe (size 580mm X 450 mm in vitreous china white colour).Rate also includes making holes in RCC slab / Beam and fixing the trap in hanging position by M.S. clamps of required size fitted in ceiling .	4.00	No	1338.77	Rupees One Thousand Three Hundred Thirty Eight And Paise Seventy Seven Only	5355.08
73	Providing & Fixing <b>Urinal Carto Model No. 60022 Make Hindware Urinal Of Size 300mm x 330mm x 450mm</b> etc. Complete. Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Urinal Shall be as per the Approved Make List of GSPHCL.	17.00	No	2102.80	Rupees Two Thousand One Hundred Two And Paise Eighty Only	35747.60

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
74	Providing & Fixing Single Hole <b>Wash Basin</b> with C.I or M.S. brackete & M. I . fisher union, P.V.C water pipe with Connection from Stop Cock to Pillar Tap, PVC Bottle Trap with Connection 32mm dia. C.P. brassa waste coupling etc. Complete. Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Wash Basin Shall be as per the Approved Make List of GSPHCL.	9.00	No	3935.33	Rupees Three Thousand Nine Hundred Thirty Five And Paise Thirty Three Only	35417.97
75	Providing & Fixing <b>Two way Bib Tap</b> with Wall Flange. 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 Two way Bib Tap Shall be as per the Approved Make List of G.S.P.H.C.L.	9.00	No	1309.39	Rupees One Thousand Three Hundred Nine And Paise Thirty Nine Only	11784.51
76	Providing & Fixing <b>Health Faucets</b> (ABS Body). Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complet as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Health Faucets Shall be as per the Approved Make List of G.S.P.H.C.L.	9.00	No	565.51	Rupees Five Hundred Sixty Five And Paise Fifty One Only	5089.59
77	Providing & Fixing <b>STOP/Angle COCK 15mm</b> dia make & Model No As per Approved material list of G.S.P.H.C.Ltd Incl. with all neccery fitting etc. Complete.	24.00	No	665.51	Rupees Six Hundred Sixty Five And Paise Fifty One Only	15972.24

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
78	Providing & Fixing <b>15mm One way Bib Tap with Wall Flange</b> . 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.	49.00	No	990.61	Rupees Nine Hundred Ninety And Paise Sixty One Only	48539.89
79	Providing and fixing <b>UPVC SWR Nahni Trap</b> of the following nominal dia. Self cleaning design with top jali and stainer including cost of cutting and making good the walls and floors 100mm inlet and 50mm outlet. Including 150mm x 150mm stainless steel jali.	16.00	No	580.47	Rupees Five Hundred Eighty And Paise Forty Seven Only	9287.52
80	Providing & Fixing PVC bottle trap model no ALD-701017 POLYMER MAKE WATERTEC , with necessary COUPLINGS OF APPROVED QUALITY FOR WASH BASIN.	16.00	No	416.00	Rupees Four Hundred Sixteen Only	6656.00
81	Providing and fixing concealed or open center point to wall ceiling & floor <b>CPVC (SDR 13.5) PIPE</b> having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings with 6mm Dia U Clamp with washer for Vertical water supply pipe. Pipe shall be concealed or open as mention in tender description. Pipe shall be as per approved make of GSPHCL make list <b>[E] 50mm Dia</b>	40.00	Rmt	654.04	Rupees Six Hundred Fifty Four And Paise Four Only	26161.60

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
82	P & F to Wall Ceilling and Floor <b>SWR Rain Water pipe</b> as Per IS-13592 of <b>90mm Dia</b> 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.	191.00	Rmt	335.13	Rupees Three Hundred Thirty Five And Paise Thirteen Only	64009.83
83	Providing and fixing to wall, ceiling and floor U.PVC SWR Soil Waste Pipe with 'O' Ring 75 mm dia. of ISI 13592/92. Rate inclusive of All fittings like single or double 'Y' with door, reducer, coupler single 'T' with door bend, G.I. Slotted Z patti of 16 Gauge (minimum 1.60mm thick) and minimum 6mm dia. U Clamp with Washer Nut at every 1.50mt. vertical distance including All Labour Charges etc. complete and making good the Wall, Ceiling and Floor.	226.50	Rmt	276.04	Rupees Two Hundred Seventy Six And Paise Four Only	62523.06
84	Providing and fixing in position PVC COWEL VENT to pipe 75 mm dia directed.	12.00	No	16.47	Rupees Sixteen And Paise Forty Seven Only	197.64
85	Providing & Fixing C.P. Brass Waste for Washbasin or sink (A) 32mm	32.00	No	67.24	Rupees Sixty Seven And Paise Twenty Four Only	2151.68
86	Providing and fixing to wall, ceiling and floor U.PVC SWR Soil Waste Pipe with 'O' Ring 110 mm dia. of ISI 13592/92. Rate inclusive of All fittings like single or double 'Y' with door, reducer, coupler single 'T' with door bend, G.I. Slotted Z patti of 16 Gauge (minimum 1.60mm thick) and minimum 6mm dia. U Clamp with Washer Nut at every 1.50mt. vertical distance including All Labour Charges etc. complete and making good the Wall, Ceiling and Floor.	189.00	Rmt	509.77	Rupees Five Hundred Nine And Paise Seventy Seven Only	96346.53

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
87	Providing and fixing in position PVC COWEL VENT to pipe 110 mm dia directed.	16.00	No	28.16	Rupees Twenty Eight And Paise Sixteen Only	450.56
88	Providing & fixing Concealed Center Point to wall ceiling & floor <b>CPVC (SDR-13.5) PIPE</b> having National Sanitation Foundation (NSF) seal For Portable Water of <b>20 mm.</b> dia. nominal bor tube fitting and clamps including making good the wall, ceiling and floor etc. Complete	20.00	Rmt	206.73	Rupees Two Hundred Six And Paise Seventy Three Only	4134.60
89	Providing & fixing Concealed Center Point to wall ceiling & floor <b>CPVC (SDR-13.5) PIPE</b> having National Sanitation Foundation (NSF) seal For Portable Water of <b>25 mm.</b> dia. nominal bor tube fitting and clamps including making good the wall, ceiling and floor etc. Complete	22.00	Rmt	251.31	Rupees Two Hundred Fifty One And Paise Thirty One Only	5528.82
90	Providing and fixing concealed or open center point to wall ceiling & floor <b>CPVC (SDR 13.5) PIPE</b> having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings with necessary fitting. Pipe shall be concealed or open as mention in tender description. Pipe shall be as per approved make of GSPHCL make list <b>[D] 32mm Dia</b>	58.00	Rmt	334.89	Rupees Three Hundred Thirty Four And Paise Eighty Nine Only	19423.62
91	Providing and fixing concealed or open center point to wall ceiling & floor <b>CPVC (SDR 13.5) PIPE</b> having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings with 6mm Dia U Clamp with washer for Vertical water supply pipe. Pipe shall be concealed or open as mention in tender description. Pipe shall be as per approved make of GSPHCL make list <b>[E] 40mm Dia</b>	91.00	Rmt	443.29	Rupees Four Hundred Forty Three And Paise Twenty Nine Only	40339.39



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
92	Providing, supplying and fixing Corrugated DWC HDPE Pipes of Class SN8 Structured Wall polyethelene Piping systems (Pipe with online/offline coupler and elastomeric sealing ring) with non-smooth External Annular Corrugated and Smooth Internal Surfaces (Double Wall) for non-pressure underground Sewerage & Drainage application as per EN:13476-3 including all local and central taxes, transportation, freight charges, octroi, inspection charges, loading, unloading, conveyance to the departmental stores etc. complete. <b>(150 mm ID Dia)</b> Including Lowering, laying and jointing of class SN 8 structured wall ( External Annular Corrugated & Smooth Internal surface) Polyethylene Piping and fittings with the help of coupler ( on line / off line ) attached with one end of 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	27.00	Rmt	396.00	Rupees Three Hundred Ninety Six Only	10692.00
	(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.					
93	Providing and fixing gun metal check or non return full way <b>WHEEL / HANDLE VALVE 15 mm dia.</b>	16.00	No	184.98	Rupees One Hundred Eighty Four And Paise Ninety Eight Only	2959.68

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
94	Providing and fixing gun metal check or non return full way <b>WHEEL / HANDLE VALVE 25 mm dia.</b>	12.00	No	416.47	Rupees Four Hundred Sixteen And Paise Forty Seven Only	4997.64
95	Providing and fixing gun metal check or non return full way <b>WHEEL / HANDLE VALVE 40 mm dia.</b>	8.00	No	656.86	Rupees Six Hundred Fifty Six And Paise Eighty Six Only	5254.88
96	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	2.00	No	3055.00	Rupees Three Thousand Fifty Five Only	6110.00
97	Finishing Ceiling / Slope Surfaces with <b>Plastic Emulsion Paint on Ceiling / Slope Surfaces (Two Coats)</b> to give an Required shape and even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc. complete. Rate are inclusive of Applying Two Coats of Lappy (Putty) and One Coat of Primer on New celing / slope Surfaces to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. <b>Fine Putty Primer and Plastic Emulsion Paint Shall be</b> used as per approved material list by GSPHC.	758.00	Sqm	193.02	Rupees One Hundred Ninety Three And Paise Two Only	146309.16

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
98	Finishing wall with <b>Plastic Emulsion Paint on wall Surfaces (Two Coats)</b> to give an Required shape and even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc. complete. Rate are inclusive of Applying Two Coats of Lappy (Putty) and One Coat of Primer on New wall Surfaces to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. <b>Putty, Primer and Plastic Emulsion Paint Shall be</b> used as per approved material list by GSPHC.	888.00	Sqm	179.92	Rupees One Hundred Seventy Nine And Paise Ninety Two Only	159768.96
99	Finishing walls with <b>Weather Proof Exterior Emulsion Paint on Wall Surfaces (Two Coats)</b> over and above Applying one coat of Primer to give an Required shape and even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials etc. complete. <b>Primer and Exterior Emulsion Paint shall be used</b> as per approved material list of GSPHCL.	384.00	Sqm	153.35	Rupees One Hundred Fifty Three And Paise Thirty Five Only	58886.40
100	Cleaning the Sluge of Old Septic Tank	1.00	No	12000.00	Rupees Twelve Thousand Only	12000.00
101	Cleaning the Sluge of Old Soak Well	1.00	No	15000.00	Rupees Fifteen Thousand Only	15000.00
102	Providing and fixing <b>S.W. gully trap</b> 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	8.00	No	1176.94	Rupees One Thousand One Hundred Seventy Six And Paise Ninety Four Only	9415.52

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
103	Constructing Brick Masonary Chamber for underground C.I inspection chamber and bends with brick having crushing stength not less then 35 kg/ cm2 in C.M 1:5 R.C.C top slab 1:2:4 mix (1 cement : 2 coarse sand :4 graded stone aggregate 20mm nominal size ) with 8mm dia steel at 15 cm. C.C and foundation concrete 1:5:10 inside plaster 15mm thick with a flotting coat of neat cement walls and bed concrete etc. complete. Rate are also inclusive of outside plaster 15mm thick in C.M 1:3 from top of chamber and all side upto 45cm deep for multi Or Single purpose pipe line. (I) Inside Dimension For inspection Chamber 455mm x 610mm & 450mm deep etc. Complete. (Rate are inclusive with Precast RCC cover with Frame MD20 Size 600*450mm)	13.00	No	5495.18	Rupees Five Thousand Four Hundred Ninety Five And Paise Eighteen Only	71437.34
104	Extra over additional depth 0.1m part there of beyond 450 mmdepth for brick masonry chamber for 455 mmx610 mm	2.00	No	239.99	Rupees Two Hundred Thirty Nine And Paise Ninety Nine Only	479.98
105	Pro and fixing <b>3mm thick acrylic sheet with Vinyl letter</b> colour-2073 Dark Grey for Back ground and colour-2199 white letter with rrequired screws etc. as per Required sizes complete etc. as per specification & Instruction of Engineer In Charge.	1.00	Sqm	7193.89	Rupees Seven Thousand One Hundred Ninety Three And Paise Eighty Nine Only	7193.89
106	Providing a I.S.I. mark 7 levers three key brass pad <b>lock of NAVATAL</b> (Godrej) make 65mm dia on completion of project.	3.00	No	211.86	Rupees Two Hundred Eleven And Paise Eighty Six Only	635.58
107	Providing & Fixing Cast Iron Steps of size 500mm x 150mm x 22.5mm and painting with two coats of anti- corrosive paintetc.complete	16.00	No	150.00	Rupees One Hundred Fifty Only	2400.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
108	constructing brick masonry road gully chamber 500mm x 450mm x 600mm including 500mm x 450mm C.I.horizontal grating with frame complete	4.00	No	1997.22	Rupees One Thousand Nine Hundred Ninety Seven And Paise Twenty Two Only	7988.88
109	P&F Precast R.C.C.frame with cover MD 10 Ton (Rubber mould finish) inner size 600 x 450mm with all necessary fittings	9.00	No	1702.00	Rupees One Thousand Seven Hundred Two Only	15318.00
110	Supplying, installation testing and commissioning of the 'C' class <b>MS Pipe</b> as per IS1239 for underground installation with welded connection with tapering connecting pieces, short or long bends, specials like sockets, union nuts, elbows, plugs, tees etc. complete to make the system operative as required by LFA, the pipes will have to be laid and fixed in trenches. The scope shall also include excavation, backfilling of soil, providing, warpping and coating of pypkote (corrosion protection tape) with overlap of 15 to 20 mm) etc. complete. The scope shall also include hydraulic testing at 1.5 times working pressure before wrapping & coating. <b>[A] 150 mm dia</b>	107.00	Rmt	3133.81	Rupees Three Thousand One Hundred Thirty Three And Paise Eighty One Only	335317.67

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
111	<b>Providing, laying, testing and commissioning of 'C' class heavy duty MS pipe</b> confirming to IS 3589/IS 1239 including welding, fittings like elbows, tees, flanges, tappers, nuts, bolts, gaskets etc and fixing the pipes on wall/ceiling with suitable clamps/support frame and painting with 2 or more coats of synthetic enamle paint of required shade complete as required. The work includes makingholes in brick or RCC walls, slabs/ roofs and making good the damages by bringing to the original condition to the satisfaction of the Engineer in charge, painting two coats of approved shade(Post office red) of enamelpaint over a coat of approved primer. <b>[B] 100mm dia.</b>	185.00	Rmt	2240.48	Rupees Two Thousand Two Hundred Forty And Paise Forty Eight Only	414488.80
112	<b>Providing, laying, testing and commissioning of 'C' class heavy duty MS pipe</b> confirming to IS 3589/IS 1239 including welding, fittings like elbows, tees, flanges, tappers, nuts, bolts, gaskets etc and fixing the pipes on wall/ceiling with suitable clamps/support frame and painting with 2 or more coats of synthetic enamle paint of required shade complete as required. The work includes makingholes in brick or RCC walls, slabs/ roofs and making good the damages by bringing to the original condition to the satisfaction of the Engineer in charge, painting two coats of approved shade(Post office red) of enamelpaint over a coat of approved primer. <b>[D] 80mm dia.</b>	61.00	Rmt	1652.39	Rupees One Thousand Six Hundred Fifty Two And Paise Thirty Nine Only	100795.79

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
113	<b>Providing, laying, testing and commissioning of 'C' class heavy duty MS pipe</b> confirming to IS 3589/IS 1239 including welding, fittings like elbows, tees, flanges, tappers, nuts, bolts, gaskets etc and fixing the pipes on wall/ceiling with suitable clamps/support frame and painting with 2 or more coats of synthetic enamle paint of required shade complete as required. The work includes makingholes in brick or RCC walls, slabs/ roofs and making good the damages by bringing to the original condition to the satisfaction of the Engineer in charge, painting two coats of approved shade(Post office red) of enamelpaint over a coat of approved primer. <b>[E] 50mm dia.</b>	41.00	Rmt	1281.00	Rupees One Thousand Two Hundred Eighty One Only	52521.00
114	<b>Providing, laying, testing and commissioning of 'C' class heavy duty MS pipe</b> confirming to IS 3589/IS 1239 including welding, fittings like elbows, tees, flanges, tappers, nuts, bolts, gaskets etc and fixing the pipes on wall/ceiling with suitable clamps/support frame and painting with 2 or more coats of synthetic enamle paint of required shade complete as required. The work includes makingholes in brick or RCC walls, slabs/ roofs and making good the damages by bringing to the original condition to the satisfaction of the Engineer in charge, painting two coats of approved shade(Post office red) of enamelpaint over a coat of approved primer. <b>[F] 25mm dia.</b>	30.00	Rmt	471.00	Rupees Four Hundred Seventy One Only	14130.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
115	<b>Supply and installation,testing and commisioning of Butterfly valves</b> of PN 1.6 ratings with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets confirming to IS 13095 of following sizes as required: <b>[A] 150mm dia.</b>	5.00	No	7856.34	Rupees Seven Thousand Eight Hundred Fifty Six And Paise Thirty Four Only	39281.70
116	<b>Supply and installation,testing and commisioning of Butterfly valves</b> of PN 1.6 ratings with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets confirming to IS 13095 of following sizes as required: <b>[B] 100mm dia.</b>	4.00	No	5845.97	Rupees Five Thousand Eight Hundred Forty Five And Paise Ninety Seven Only	23383.88
117	<b>Supply and installation,testing and commisioning of Butterfly valves</b> of PN 1.6 ratings with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets confirming to IS 13095 of following sizes as required: <b>[C] 80mm dia.</b>	3.00	No	4368.46	Rupees Four Thousand Three Hundred Sixty Eight And Paise Forty Six Only	13105.38
118	<b>Providing, installing testing &amp; commissioning of NRV</b> of following sizes confirming to IS 5312 complete with rubber gasket, GI bolts, nuts, washers etc. as required. <b>[A] 150mm dia.</b>	5.00	No	15594.79	Rupees Fifteen Thousand Five Hundred Ninety Four And Paise Seventy Nine Only	77973.95
119	<b>Providing, installing testing &amp; commissioning of NRV</b> of following sizes confirming to IS 5312 complete with rubber gasket, GI bolts, nuts, washers etc. as required. <b>[B] 100mm dia.</b>	10.00	No	9688.87	Rupees Nine Thousand Six Hundred Eighty Eight And Paise Eighty Seven Only	96888.70
120	<b>Providing, installing testing &amp; commissioning of NRV</b> of following sizes confirming to IS 5312 complete with rubber gasket, GI bolts, nuts, washers etc. as required. <b>[C] 80mm dia.</b>	5.00	No	6743.74	Rupees Six Thousand Seven Hundred Forty Three And Paise Seventy Four Only	33718.70



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
121	Supplying and fixing of fire brigade connection of cast iron body with gun metal male instantaneous inlet couplings complete with cap and chain as reqd. for suitable dia MS pipe connection conforming to IS 904 as required : (B) 4 way - 150 mm dia M.S. Pipe	1.00	No	13974.00	Rupees Thirteen Thousand Nine Hundred Seventy Four Only	13974.00
122	Providing, fixing, testing and commissioning of <b>Gun metal /SS single headed</b> ISI marked oblique pattern hydrant landing valves as per IS:5290 with <b>80mm dia flanged inlet and 63mm dia female outlet</b> complete with gun metal cap.	9.00	No	7646.00	Rupees Seven Thousand Six Hundred Forty Six Only	68814.00
123	<b>Providing and fixing of 63 mm SS branch pipe nozzle</b> conforming to IS 903, suitable for instantaneous connections to hose coupling etc. as required <b>25 mm.</b>	5.00	No	1457.27	Rupees One Thousand Four Hundred Fifty Seven And Paise Twenty Seven Only	7286.35
124	<b>Providing &amp; fixing 63mm dia 15 m long RRL hose pipe</b> with 63mm dia male and femal couplings duly bound with GI wires, revates etc. confirming to IS 636 (typ-A) as required <b>Stainless steel (grade 304)</b>	5.00	No	3899.90	Rupees Three Thousand Eight Hundred Ninety Nine And Paise Ninety Only	19499.50
125	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.	5.00	No	3154.48	Rupees Three Thousand One Hundred Fifty Four And Paise Forty Eight Only	15772.40
126	Providing & fixing orifice plate on fire hydrant valve including jointing materials having suitable base for reducing the pressure hydrant outlet etc as directed.	5.00	No	1158.53	Rupees One Thousand One Hundred Fifty Eight And Paise Fifty Three Only	5792.65

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
127	Supplying and fixing First Aid hose reel with MS construction spray painted in post office red, conforming to IS 884 with upto date amendments, complete with the following as required. 30m long 25mm (nominal internal) dia water hose thermoplastic (textile rainforced) type-2 as per IS: 12585 25mm (nominal internal) dia S.S.Shut up valve & nozzle. Drum and brackets for fixing the equipments on wall. Connections from riser with stop valve (GM) & M.S. pipe.	5.00	No	7606.61	Rupees Seven Thousand Six Hundred Six And Paise Sixty One Only	38033.05
128	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	14150.00	Rupees Fourteen Thousand One Hundred Fifty Only	14150.00
129	Supply, Installation, Testing & commissioning of 25 mm dia gun metal ISI mark Gate Valve with 15 mm dia nipple as complete as directed.	9.00	Set	1097.50	Rupees One Thousand Ninety Seven And Paise Fifty Only	9877.50
130	Supply & Installation of Mainfold for fire hydrant distrubution 200 mm dia system as directed.	2.00	No	1550.00	Rupees One Thousand Five Hundred Fifty Only	3100.00
131	providing & fixing emergency escape signes printed on rigid PVC sheet / acrylic sheet 4 mm thick photoluminescent auto glow type of approved quality including fixing on door, wall, celling complete with installation as directed. For Escape & Fire Sign.	2040.00	Sq.inch	9.39	Rupees Nine And Paise Thirty Nine Only	19155.60
132	Making of Core in RCC work of size 200 mm etc. completeRCC Core Cutting	11.00	Nos	1000.00	Rupees One Thousand Only	11000.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
133	<b>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.</b> from local fire authority or any other relevant statutory authority at initial stage and required various other stages of construction work, including preparation of reports/drawings as per fire authority requirement. Rate also includes renewal of Fire NOC during defect liability period as per requirement. Main agency has to give demonstration of all fire system to fire officer police / concern beneficiaries & GSPHCL.	1.00	Job	16950.00	Rupees Sixteen Thousand Nine Hundred Fifty Only	16950.00
	Agency has to submit FDR of approved bank as per clause 2.0, section 3, of Rs 20000.00 Or Quoted rate which ever is higher to GSPHCL for minimum maturit period of Four years in favour of GSPHC, which will be released after Successful Submitting of All Fire NOC at the completion of defect liability period. Renewal Fire N.O.C. shall be submitted final S.D.proposal. Agency has to borne charges like preparing and submission of all the documents, Photographs, CD/DVD required togethe N.O.C. from concern fire department and also liaisioning 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 & pumproom work. For that professional & experience fire agency has to prepare drawing of fire hydrant system, sprinkler system, firealarm system,					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	DGset etc. as per tender item and making floor layout of all fire pump panel, cable earthing etc in pump room. If any changes required in drawings of sump & pump room. Main agency has to inform in written before excavation of pump & sump room. Agency has to calculate the total head & discharge required as per NBC / local fire office requirement and as per site situation and submit fire pump OEM specification curve foundation detail etc & get approval of cable, panel drawings & specification.					
	After completion of firehydraunt related work as perpre-NOC, tender specification & drawing approved by fire department, agency has to do site visit with fire department & give the testing & demonstration to fire officer & get the final NOC before handingover of the building. Agency has to give livetesting & demonstration of all system to GSPHCL & police department jointly.For fire NOC fee separate item is taken in tender. Agency has to quote the rate as per latest Gazette in respective tender item.					

[illegible]

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	<b>ELECTRICAL WORK</b>					
136A	Providing and erecting <b>Point wiring</b> 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 G.I.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 <b>for concealed wiring. Light point. Cat.-III.</b>	10.00	Point	481.00	Rupees Four Hundred Eighty One Only	4810.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[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 B14 without any gap] [conductor resistance should be as per IS:8130/1984]					
136B	<b>For Fan Point</b> (with 6 A. Modular type switch and two module hum free EME Five step type Electronic fan regulator both having ISI mark) Cat.-III	2.00	Point	668.00	Rupees Six Hundred Sixty Eight Only	1336.00
136C	<b>For separate Point</b> (with 6 Amp. Switch & 5 pin socket both are with ISI Mark) Cat.-III	2.00	Point	505.00	Rupees Five Hundred Five Only	1010.00
136D	<b>For Looped on switch board</b> (with 6 Amp. Switch & 5 pin socket both are with ISI Mark) Cat.-III	4.00	Point	255.00	Rupees Two Hundred Fifty Five Only	1020.00
137A	Providing and erecting 1.5 mm thick FIA approved and ISI mark (embossed) <b>RIGID white Colour PVC PIPES</b> of following size complete erected with necessary PVC fittings & Junction boxes fixed with adhesive solution concealed in wall / slab along with contineous fish wire to draw mains, laid in approved manner with plastering by cement mortar & finishing the surface to match the wall / ceiling. <b>20 mm dia.</b>	100.00	Mtr.	24.00	Rupees Twenty Four Only	2400.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
137B	<b>25 mm dia.</b>	4550.00	Mtr.	33.00	Rupees Thirty Three Only	150150.00
138A	Providing and laying <b>Mains with FRLS PVC Insulated wire</b> ISI marked 1.1 KV grade with FIA approved ISI mark medium class 20/25/32 mm dia. embossed rigid PVC pipe with PVC fitting fixed with adhesive solution to be erected on/in brick wall / slab along with continuous G. I. fish wire to draw mains laid in approved manner with plastering by cement mortar & finishing the surface to match the wall / ceiling complete with FRLS PVC insulated wire for earth continuity. (Approved ISI make only) <b>[a] 2 x 1.5 sq.mm. FRLS copper multi stranded conductor mains</b> with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. [conductor resistance should be as per IS:8130/1984]	100.00	Mtr.	62.00	Rupees Sixty Two Only	6200.00
138B	<b>2 x 6.0 sq.mm. FRLS</b> copper multi stranded conductor mains with 2.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. [Wire must be having box packing]	60.00	Mtr.	146.00	Rupees One Hundred Forty Six Only	8760.00
139	Providing & fixing <b>20 mm. dia. PVC insulated G.I.</b> Corrugated Flexible pipe with necessary socket, PVC bushes, saddle, Check-nuts etc. complete of following sizes.	20.00	Mtr.	30.95	Rupees Thirty And Paise Ninety Five Only	619.00
140	Providing & fixing <b>25 mm. dia. PVC insulated G.I.</b> Corrugated Flexible pipe with necessary socket, PVC bushes, saddle, Check-nuts etc. complete of following sizes.	20.00	Mtr.	37.14	Rupees Thirty Seven And Paise Fourteen Only	742.80



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
141	Providing and erecting following type of <b>Modular Type Accessories</b> mounted with 20 G G. I. company fabricated metallic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer in charge. <b>Blank plate single Cat.-III.</b>	20.00	Each	25.00	Rupees Twenty Five Only	500.00
142	Providing and fixing <b>Plug Point wiring</b> 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 indicator Swich and accessories mounted in 20 G. GI company fabricated metallic module box covered with appropriate front plate modules erected flushed with wall. <b>(a) 16 Amp. Indicator switch &amp; 1 No. 6/16 A universal socket white colour suitable for 3 pin top duly both having ISI mark.</b> (Necessary sheet / tape / polythene / sand must be erected or filled in all box To Prevent Mortor Going In To The Box) <b>Cat.-III.</b>	2.00	Point	738.00	Rupees Seven Hundred Thirty Eight Only	1476.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
143	<p>Providing &amp; Erecting <b>2.0 mtr long Earthing</b> 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 25 kg.</p> <p>(B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm/meter testing as per IEC 62561-2017, Voltage drop:- &lt; 1 volt at no load &amp; dry form, Sulphur content:- &lt;2%</p> <p>(C) Back fill Compound:- Earthing compound should be capable to retain moisture for long time Back Filling Compound weight is 25 Kg.</p> <p>(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>	6.00	Each	7025.00	Rupees Seven Thousand Twenty Five Only	42150.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[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 &amp; sample for approved before supplying]</p> <p>[Water must be poured in bore before starting earthing. Earthing value must be measured with earth tester. Agency has to bring the earth resistance to at least 02 ohms &amp; voltage between neutral &amp; Earthing upto 02 volt. Agency has to maintain earthing &amp; its value for one year. Earthing must be done in the presence of A.E. (GSPHCL)]</p>					
144	For Above Earthing Additional charges for boring in hard rock soil (By Breaker) & filling soft soil in earth pit. (Certificate for soil have to given by DEE/AE along with Photographs).	6.00	Each	276.00	Rupees Two Hundred Seventy Six Only	1656.00
145	Supplying and erecting M.S./G.I. <b>metal box</b> 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.	100.00	Sq. Inch	5.94	Rupees Five And Paise Ninety Four Only	594.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
146	Supplying and Erecting LED indoor fitting of approximately 4feet long with LED of wattage 0.2W to 0.5W assemble on single MCPCB with housing use as a heat sink shall be made from Aluminum extrusion having enough strength (sample must be approved by EIC) with polycarbonate diffuser with following specification: (A) Company mark/name on the fitting.(B) Rated input voltage and frequency: 220V to 240 VAC ; 50Hz. (C) Rated input wattage: max. 24w (D) Rated input current : 0.2 Amp, (E) Power Factor : Min. 0.90, (F) ATHD : Max. 15% , (G) Rated Luminous flux: Min. 2420 lm, (H) CCT: 6500K, (I) CRI: Min. 80Ra, (J) Driver Efficiency: Min. 80%, (K) LED life span: Min. 50000 Hrs @ L70, (L) Over Voltage protection: Withstand up to 440V/AC for 4 Hrs., (M) Surge protection : Min. 2KV, (N) IP rating: IP 20, (O) IK rating : IK 02, (P) Short circuit , Open circuit & Reverse Polarity Protection must be provided (Q) Fixing clamp design & strength should be sufficient to hold the fitting erected on wall or ceiling., (R) 3 core copper wire of appropriate size with earthing connector (Note:-The manufacturer/ authorized Channel partner of the manufacturer has to submit 5 yrs free replacement Guarantee for complete Fixture) [Approval will be given strictly subject to item specification]	4.00	Each	370.00	Rupees Three Hundred Seventy Only	1480.00
147	Supplying and erecting <b>8 W LED lamps</b> 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	4.00	Each	111.00	Rupees One Hundred Eleven Only	444.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
148	Providing and erecting <b>Polycarbonet body surface mounting LED Bulk head type 9 watt Lighting Fitting</b> with electronic driver having THD < 15%, CRI>80, P.F.0.95 And lumen output from luminaire 720 lm, input voltage range 90-300 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.	1.00	Each	780.00	Rupees Seven Hundred Eighty Only	780.00
149	Supply, Installation, Testing and Commissioning of suitable sweep, <b>BEE 5 Star rated, Ceiling fan with Brush Less Direct Current (BLDC)</b> permanent ferrite magnet Motor, class of insulation: B, Rust free 3 nos.Aluminium blades, 2 nos. canopies, shackle kit with earthing provision, copper winding, Power factor not < 0.9, Service Value (CMM/W) minimum 6.85, Air delivery minimum 215 CMM, 350 RPM,230v (tolerance as per IS : 374-2019), THD < 10%, compitible with electronic regulator unit for Speed Control and all remaining accessories including safety pin, nut bolts, washers, temperature rise = 75 degree C (Max.), suitable for 140 to 285 Voltage and rectifier circuit with surge, over current and overload protection , 50 Hz, Single phase AC Supply, earthing etc. Complete as required and 3 core 0.50 sq.mm ISI wire as per site requirment.(Agency has to erect safety wire with ceiling fan and checked with EIC) (Necessary test reports should be submitted strictly at the time of approval. Sample approved by EIC subject to above specification only) <b>(A) 1200 mm Sweep (48")</b>	2.00	Each	2603.00	Rupees Two Thousand Six Hundred Three Only	5206.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
150	Supplying & Erecting <b>Fan Hook Of 10 mm</b> M.S Round bar bounded to the RCC bars up to 50 mm Length each side & pierced through 18 Gauge G.I Box having 125 mm dia depth of 75 mm complete erected concealed in ceiling with necessary round modular plate	2.00	Each	125.00	Rupees One Hundred Twenty Five Only	250.00
151	Supplying & erecting 19/20 mm. nominal bore <b>"B" class G.I. pipe / M.S. pipe down rod</b> erected duly painted for fan complete with necessary 24/0.2 flat 3 core flexible Core with earthing. [The down rod thickness, hole, locking arrangement, construction, powder coating, colour shed should be same as original down rod brought with ceiling fan. For that agency has to give original down rod sample to fabricator and one sample down rod should be approved with EIC. After approval given by EIC, agency can use the down rod as per approved sample. If without approval down rod will be erected on site, agency has to replace them with own cost.]	5.00	Rn. Mtr.	107.00	Rupees One Hundred Seven Only	535.00
152	Supplying & erecting <b>single phase approved make industrial exhaust fan</b> suitable for medium duty ring mounted low noise operation suitable for medium duty having following dia size and maximum speed in RPM. <b>[B] 380 mm dia 900 RPM. Cat-II.</b>	1.00	Each	2713.00	Rupees Two Thousand Seven Hundred Thirteen Only	2713.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
153	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board having <b>IP-42</b> & above protection as per approval from engineer incharge and made from 2 mm. thick CRC M.S. sheet for outer body & doors, 1.6 mm. thick CRC M.S. sheet for internal partitions with necessary supporting angles, flats including skirting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-In-Charge with erection of supplied switchgears, busbars with suitable size of interconnecting PVC copper wire / Copper-Aluminium strips, rubber gromets, rib, control wires, 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	1.00	Sq. Mtr.	16230.00	Rupees Sixteen Thousand Two Hundred Thirty Only	16230.00
	The panel shall be supplied with Seven Tank chemical process which shall be carried out before applying painting, painted with powder coating. (The rates excludes the cost of switchgears, busbars, interconnecting mains & Copper / Aluminium strip, fuse, meters etc. The dimension shall be measured excluding base beams) The standard companies switch gear shall be used and only manufacturers at CPRI approved factory as per IEC 61439 and shall be certified by that company whose switch gears are used after fabrication for beneficial use. <b>With 350 mm depth</b>					

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



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
154	Providing & erecting Approved make <b>Three pole moulded case circuit breaker</b> having breaking capacity ICU of 35 KA. at 415 V. having <b>Normal current rating 250 A.</b> with variable Thermal & magnetic release suitable to work on A.C.supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S.housing. ICS=100% ICU Only.Cat-III.	1.00	Each	22065.00	Rupees Twenty Two Thousand Sixty Five Only	22065.00
155	Supplying & Erecting Approved Make <b>Extended operating rotary handle</b> with pad lock with three position Trip, Off, On suitable for <b>25 Amp. to 250 Amp. panel mounting.(Company Must be same company of switchgear)</b>	1.00	Each	865.00	Rupees Eight Hundred Sixty Five Only	865.00
156	Supplying and erecting tripple pole & neutral 440V / 500 V <b>Panel mounting Copper Busbars</b> with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wraped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports / insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections.For electrolyte copper busbars <b>Suitable for 300 Amp. Capacity.</b>	1.00	Rn. mtr.	4861.00	Rupees Four Thousand Eight Hundred Sixty One Only	4861.00
157	Supplying and Erecting <b>KITKAT pattern porcelain cutout</b> with base of following current capacity erected on existing block board. (vi) 200A. 500 V.	3.00	Each	416.00	Rupees Four Hundred Sixteen Only	1248.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
158	Approved make <b>Earth fault Relay</b> suitable to mount with inter connection to moulded case circuit breaker having CT ratio & MCCB rating as following along with shunt trip 220 V AC with all internal connections & complete erected in existing M.S.housing. <b>(3) 250 A -400 A , CT Ratio 1/400 [make and model approved by EIC strictly as per tender specification]</b>	1.00	Each	5362.00	Rupees Five Thousand Three Hundred Sixty Two Only	5362.00
159	Supplying and erecting approved make panel mounting type <b>Digital Voltmeter</b> having 3 x 1/2 digits LED display, 0 to 750 AC Volts range having 0.5 class accuracy, erected on existing panel board with all connection, wiring etc. with manufacturers calibration certificate. [Make and model approved by EIC as per specification]	1.00	Each	1263.00	Rupees One Thousand Two Hundred Sixty Three Only	1263.00
160	Supplying and erecting approved make panel mounting type <b>Digital Ammeter</b> having 3 digits LED display, external CT operated, calibrated for 0 to 1000 Amps. suitable to operate on 500 Volt AC, 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]	1.00	Each	1543.00	Rupees One Thousand Five Hundred Forty Three Only	1543.00
161	Supplying and erecting <b>Ammeter / Voltmeter selector switch</b> for 3 phase AC Supply 500 V on existing panel board with necessary connections. [Make and model approved by EIC as per specification]	2.00	Each	314.00	Rupees Three Hundred Fourteen Only	628.00
162	Supplying and erecting approved make <b>set of indicator lamps</b> of LED type lamp, lense cover, Bakelite holder complete erected with necessary connections. [Make and model approved by EIC as per specification]	3.00	Each	43.00	Rupees Forty Three Only	129.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
163	Providing and Erecting of <b>Miniature circuit breaker</b> single pole <b>6 Amp. to 25 Amp.</b> suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing MS box confirming to IS 8828/1996 with ISI Mark. <b>Cat - III</b>	4.00	Each	111.00	Rupees One Hundred Eleven Only	444.00
164	Providing & erecting <b>L.T. Current Transformer</b> with bar primary 50/5 to 1000/5 ratio 15 VA burden having 0.5 class accuracy erected in Class existing CRCA box duly secured with insulating materials connected to the meter [Make and model approved by EIC as per specification]	3.00	Each	272.00	Rupees Two Hundred Seventy Two Only	816.00
165	Providing & erecting <b>Neutral Link for (ii) 200 / 250 / 320 / 400 / 630 / 800 Amps</b>	1.00	Each	272.00	Rupees Two Hundred Seventy Two Only	272.00
166	Providing & erecting <b>240 V MCB Double pole</b> switch for Motor and inductive load (C curve) having 10 KA breaking capacity & confirms to IS:8828 in Existing M.S. box having following capacity. <b>For 40 Amp.</b>	7.00	Each	327.00	Rupees Three Hundred Twenty Seven Only	2289.00
167	Providing & erecting <b>415 V MCB Four Pole</b> for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS:8828 in existing MS box having following capacity. <b>For 63 Amp.</b>	2.00	Each	730.00	Rupees Seven Hundred Thirty Only	1460.00
168	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	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]		[3]	[4]	[5]a	5[b]	[6]
169	Supply, Installation, Testing & Commissioning of Three Phase, 440 V Surge <b>Suppressor protection Device (SPD)</b> & 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). (With Five year Gaurantee / warranty)	1.00	Each	7456.00	Rupees Seven Thousand Four Hundred Fifty Six Only	7456.00
170A	Supplying and laying <b>UPVC cable trunking</b> system comprising unplasticised polyvinyl, chloride rigid material with ignition free & flame proof confirming BS .All necessary accessories and measuring of following sizes. <b>[1] 75 mm x 50 mm trunking.[MK, LEGRAND, OBO make Only]</b>	30.00	Mtr.	275.00	Rupees Two Hundred Seventy Five Only	8250.00
170B	<b>100 mm x 50 mm trunking .[MK, LEGRAND, OBO make Only]</b>	20.00	Mtr.	424.00	Rupees Four Hundred Twenty Four Only	8480.00
171	Providing and erecting <b>metallic danger notice board</b> for MEDIUM VOLTAGE installation to be erected as per I.S.	1.00	Each	69.00	Rupees Sixty Nine Only	69.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
172	Providing, erecting, fabricating <b>the M.S. structure</b> as per requirement of site as per structure design Including proper size approved by EIC of M.S. angles, flats, bars, square pipe, channels, sections (Tata, Jindal, Asian, JSI Make) complete with cutting, welding, grinding and finishing duly painted with Asian/Nerolac make premium quality oil paint and true care red oxide metal primer,asian paint make with erection on site as per direction of engineer in charge with necessary grouting cementing, plastering and finishing complete. All hole opening of square pipe end must be closed with M.S plate welding. Payment will be done on KG as per Actual weight.	60.00	Kg.	75.00	Rupees Seventy Five Only	4500.00
173	Providing & laying <b>HDPE Double walled corrugated pipes (DWC)</b> (conforming to IS: 16205 (part 24) 2018)) with minimum load required of 450N capacity with anti rodent and ultra violet material properties with necessary connecting accessories of same material at required depth to be laid 90 cms. under ground for laying of cable below ground / road surface for enclosing cable and back filling the same to make ground as per original. <b>(A) For Outer dia. 50 mm and Inner dia. 38 mm. (Test Certificate to be Submitted)</b>	200.00	Mtr	117.00	Rupees One Hundred Seventeen Only	23400.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
174	Providing & laying HDPE Double walled corrugated pipes <b>(DWC) of polyethylene (conforming to IS: 16205 (part 24) 2018)</b> with minimum load required of 450N capacity with anti rodent and ultra violet material properties with necessary connecting accessories of same material at required depth to be laid 90 cms. under ground for laying of cable below ground / road surface for enclosing cable and back filling the same to make ground as per original. <b>For Outer dia. 90 mm and Inner dia. 75 mm. (Test Certificate to be Submitted)</b>	50.00	Mtr	150.00	Rupees One Hundred Fifty Only	7500.00
175	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. <b>For One wire 1.50 sq. mm</b>	300.00	Mtr.	17.00	Rupees Seventeen Only	5100.00
176	Providing and Laying of Mains with ISI marked, 1.1 KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS:694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. <b>[f] One wire 6.00 sq. mm</b>	30.00	Mtr.	56.00	Rupees Fifty Six Only	1680.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
177	Providing and Laying of Mains with ISI marked, 1.1 KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS:694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. <b>[f] One wire 10.00 sq. mm</b>	30.00	Mtr.	91.00	Rupees Ninety One Only	2730.00
178	Providing and Laying of Mains with ISI marked, 1.1 KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS:694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. <b>[g] One wire 16.00 sq. mm</b>	50.00	Mtr.	141.00	Rupees One Hundred Forty One Only	7050.00
179	Providing and Laying of Mains with ISI marked, 1.1 KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS:694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. <b>For 25 sq.mm wire</b>	20.00	Mtr.	234.00	Rupees Two Hundred Thirty Four Only	4680.00
180	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. <b>[a-1] For 4 core x 4 sq.mm.</b>	150.00	Mtr.	361.00	Rupees Three Hundred Sixty One Only	54150.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
181	Providing and erecting XLPE (IS:7098) (I)-88 ISI <b>armoured cable multistrand Aluminium conductor</b> for 1.1 KV. to be laid 90 cms.Under ground or to be laid on wall with suitable G.I. heavy guage 1.0 mm thick cable clamp or in existing DWC pipe underground or road crossing or floor of following size of cables. [d] <b>4 core x 16 Sq. mm</b>	50.00	Mtr.	152.00	Rupees One Hundred Fifty Two Only	7600.00
182	Providing and erecting XLPE (IS:7098) (I)-88 ISI <b>armoured cable multistrand Aluminium conductor</b> for 1.1 KV. Under ground or to be laid on wall with suitable G.I. heavy guage 1.0 mm thick cable clamp or in existing trench / pipe of following size of cables. [A-1] <b>3*1/2 core x 35 Sq. mm (16 Sq.mm*1/2 core)</b>	50.00	Mtr.	218.00	Rupees Two Hundred Eighteen Only	10900.00
183	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.. <b>3*1/2 core 70 Sq. mm (35 Sq. mm 1/2 core)</b>	50.00	Mtr.	375.00	Rupees Three Hundred Seventy Five Only	18750.00
184	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.. <b>(E) 3 1/2 core 95 Sq. mm (50 Sq. mm 1/2 core)</b>	50.00	Mtr.	486.00	Rupees Four Hundred Eighty Six Only	24300.00



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
185A	Providing & fixing <b>double compressed heavy duty flange type brass cable gland</b> with rubber ring for P V C insulated armoured cable complete with outgoing tails, insulating tape etc. For following size cables. <b>For 2 to 4 core x 4.0 Sq. mm.</b> (Sigma, MCI, Commet Make Only)	50.00	Each	43.00	Rupees Forty Three Only	2150.00
185B	<b>For 4 core*16 Sq. mm</b> (Sigma, MCI, Comet Make Only)	4.00	Each	57.00	Rupees Fifty Seven Only	228.00
185C	<b>For 3*1/2 core*35/50 Sq. mm</b> (Sigma, MCI, Commet Make Only)	4.00	Each	75.00	Rupees Seventy Five Only	300.00
185D	<b>For 3*1/2core*70 Sq. mm.</b> (Sigma, MCI, Comet Make Only)	4.00	Each	102.00	Rupees One Hundred Two Only	408.00
185E	<b>For 3 &amp; 1/2 core 95 Sq. mm.</b> (Sigma, MCI, Comet Make Only)	4.00	Each	130.00	Rupees One Hundred Thirty Only	520.00
186	Solderless crimping type <b>Copper lugs</b> conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. <b>(a)1.5/2.5 to 6 Sq.mm</b>	100.00	Each	8.00	Rupees Eight Only	800.00
187A	Solderiess crimping type Aluminium Lugs conforming to IS suitable for cable of following size evenly crimping with high pressure tool & connected to switchgear terminals with brass/ cadmium plate nut bolts in an approved manner. <b>For 16-25 Sq.mm.</b>	10.00	Each	15.00	Rupees Fifteen Only	150.00
187B	<b>For 35/50 Sq.mm.</b>	15.00	Each	20.00	Rupees Twenty Only	300.00
187C	<b>For 70 Sq.mm.</b>	15.00	Each	25.00	Rupees Twenty Five Only	375.00
187D	<b>For 95 Sq.mm.</b>	15.00	Each	40.00	Rupees Forty Only	600.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
188	<p>Supplying, installation, testing and commissioning of <b>Diesel engine driven Main Fire Pump</b> suitable for automatic operation and consisting of following, complete in all respects, as required: <b>[Diesel driven pump]</b></p> <p>(a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body &amp; bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520.</p> <p>(b) Suitable HP 1500 RPM water cooled with radiator diesel conforming to relevant IS standard complete with auto starting mechanism 12/24 Volts electric starting equipment, diesel tank, exhaust pipe extended upto 10 M outside pump house duly insulated with 50 mm thick glass wool with 1.00 mm thick aluminium sheet cladding, residential silencer, instrument and protection as per standard specification, stop solenoid for auto stop in the event of fault with auto indications painted with post office red color etc. as required.</p> <p>(c) M.S. fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required.</p>	1.00	Each	518350.00	Rupees Five Lakh(s) Eighteen Thousand Three Hundred Fifty Only	518350.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	<p>(d) Suitable cement concrete foundation duly plastered with anti vibration pads.</p> <p>(e) Cost include providing, erecting req. size copper XLPE Armound cable with GI cable tray, support etc. as per EIC instruction (app. cable lenth 15 mtr.)</p> <p>(f) Cable from pump to panel will be laid in cable tray or fixed on G.I./M.S. strip / channel as per instructions given by EIC as per site requirement.</p> <p>Cost include foot valve of Suitable size CI body heavy duty (SANT,Kirloskar, Kartar, Zoloto make)</p> <p>[The all require Technical specification &amp; Test certificate shall be submitted to Local fire Authority for approval]</p> <p><b>2280 LPM @ 56 mtr. head</b></p> <p>(Factory inspection will have to carried out by agency with G.S.P.H.C.L. engineer)</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
189	<p>Supplying, Installation, Testing &amp; commissioning of Electric driven Main Fire Pump suitable for automatic operation and consisting of following, complete in all respects, as required:</p> <p>(a) Horizontal type, Single stage, centrifugal, End Suction Long Coupled Pump of cast iron body &amp; bronze impeller with stainless steel shaft, mechanical seal conforming to IS 1520. (b) Suitable HP Squirrel cage induction motor, TEFC, synchronous speed 2900 RPM, suitable for operation on 415 volts, 3 phase 50 Hz, AC supply with IP 55 protection for enclosure, horizontal foot mounted type with Class-'F' insulation, conforming to IS-325.</p> <p>(c) M.S. fabricated Common base plate, coupling, coupling guard, foundation bolts etc. as required. (d) Suitable Cement Concrete Foundation duly plastered with anti vibration pads. (e) cost include foot valve of suitable size CI body heavy duty. <b>(f) Discharge :- minimum 2280 LPM @ Head:- minimum 56 Mtr.</b> Note: The head of the pump shall be selected in a manner so as to give a minimum 3.5kgf/cm<sup>2</sup> pressure at the highest/farthest point. Agency has to calculate the total head required for getting minimum 3.5kgf/cm<sup>2</sup> pressure at the farthest &amp; highest point of building of wet riser fire system. For that agency has to calculate total pump head by considering vertical head ( Total Building height+ Sump depth+3.5kgf/cm<sup>2</sup> pressure &amp; Total equivalent vertical head due to friction losses of total length of pipe + bend number, Elbow number, Tee,</p>	1.00	Each	227123.00	Rupees Two Lakh(s) Twenty Seven Thousand One Hundred Twenty Three Only	227123.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	Valve etc.) Agency must have to select pump model having required head & discharge (as per fire department rules) at duty point. No Extra payment shall be done for head variation due to site situation & fire rules. The panel shall be design according to motor H.P.					
190	<p>Supplying, installation, testing and commissioning of electric driven pressurisation pump suitable for automatic operation and consisting of following, complete in all respects, as required: <b>(Jockey Pump)</b>.</p> <p>(a) Horizontal type, multistage, centrifugal pump of cast iron body and bronze impeller with stainless steel shaft, mechanical seal conforming to IS: 1520.</p> <p>(b) Suitable HP squirell cage induction motor TEFC type suitable for operation on 415 volts, 3 phase, 50 Hz AC supply with IP 55 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, coupling, coupling guard, foundation bolts etc. as required.</p> <p>(d) Suitable cement concrete foundation duly plastered and with anti vibration pads.</p> <p>(e) Required size 3 core flat cable from pump to panel for connection should be provided with pump.</p> <p>(f) Cable from pump to panel will be laid in cable tray or fixed on G.I./M.S. strip / channel as per instructions given by EIC as per site requirement.</p> <p><b>180 lpm at 56 m Head.</b></p> <p>(Factory inspection will have to carried out by agency with G.S.P.H.C.L. engineer)</p>	1.00	Set	69587.00	Rupees Sixty Nine Thousand Five Hundred Eighty Seven Only	69587.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
191	<b>Fabrication, SITC of Electrical control panel of cubical construction</b> , floor, mounted type, fabricated out of 2 mm thick CRCA sheet, compartmentalised with hinged lockable doors, dust and vermin proof, powder coated of approved shade after 7 tank treatment process,cable alley, inter - connection with suitable size copper conductor cable/solid copper strip, having switchgears and accessories,mountings and internal wiring,earth terminals, numbering etc. complete in all respect, suitable for main fire pump, pressurisation pump & diesel pump set complete as per CPWD specification with following in coming and out goings, suitable for operation on 415 V, 3 phase, 50 Hz AC supply with enclosure protection class IP 42 as required:	1.00	Each	208256.00	Rupees Two Lakh(s) Eight Thousand Two Hundred Fifty Six Only	208256.00
	<b>Incoming:</b> Up to 250 A as per pump full load current and starting current & approved by E.I.C, 50 KA, 4 pole MCCB, lcs=100% lcu rating, digital voltmeter 0-500 V with selector switch and Ammeter 0-250 A with selector switch & CTs etc. LED type RYB phase indicating lamps, ON, OFF, trip indicating lamps, Set of copper bus bar 300 A					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	<p><b>Outgoing:</b> (Note : All outgoing feeders for pumps should have digital ammeter with selector switchs, and LED type ON, OFF, trip indicating lamps)</p> <p><b>Main Fire Pump:</b> Up to 160 A as per pump full load current and starting current &amp; approved by E.I.C., 50 KA, TPN MCCB, Ics=100% Icu with fully automatic star/delta starter suitable for 60 HP pump with overload protection, Current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, Selector switch <b>for local/remote, auto/manual/off operation</b></p> <p><b>Jockey Pump:</b> 63 A, 50 KA, TPN MCCB, Ics=100% Icu with suitable HP fully automatic star/delta starter with over load pritection, Current sensing type single phase preventor complete with all accessories and internal wiring required for automatic operation, Selector switch for local/remote, auto/manual/off operation</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	<p><b>Diesel engine control:</b> Control for diesel engine comprising - automatic/manual selector switch &amp; 3 attempts starting device, Timers and relays as required, Push buttons, Start/stop in manual mode indicating lamp for high/low lube &amp; Oil pressure, High water temperature and engine on indication, Battery charger suitable for 12/24 V DC with boost and trickle selector switch, 0-30 V DC voltmeter &amp; 0-20 A ammeter all standard relays and accessories for automatic operation of diesel engine</p> <p><b>System Controller:</b> Design, SITC of system controller to control operation of main electric fire pump, diesel pump, pressurization pump, terrace pump on sequence as per specification consisting of relays, timers. Sensors, annunciation window for fault indication. complete as per specification.</p>					



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
192	<p>Supplying, installation, testing and commissioning of electric driven <b>terrace pump</b> suitable for automatic operation and consisting of following, complete in all respects, as required: (Terrace Pump)</p> <p>(a) Horizontal type, multistage, centrifugal, split casing pump of cast iron body &amp; bronze impeller with stainless steel shaft, mechanical confirming to IS : 1520</p> <p>(b) Suitable HP squirrel 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, coupling, coupling guard, foundation bolts etc.as required.</p> <p>(d) Suitable cement concrete foundation duly plastered and with anti vibration pads.</p>	1.00	Each	73057.00	Rupees Seventy Three Thousand Fifty Seven Only	73057.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	<p>(e) Cost include providing, erecting req. size copper XLPE Armound cable with GI cable tray, support etc. as per EIC instruction (app. cable lenth 15 mtr.)</p> <p>(f) Cable from pump to panel will be laid in cable tray or fixed on G.I./M.S. strip / channel as per instructions given by EIC as per site requirement.</p> <p>(g) Cost include foot valve of Suitable size CI body heavy duty (SANT,Kirloskar, Kartar, Zoloto make)</p> <p><b>450 lpm at 35 m Head</b></p> <p>Note: The head of the pump is selected in a manner so as to give a minimum 3.5kgf/cm2 pressrue at the highest/farthest point.</p> <p>[The all require Technical specification &amp; Test certificate shall be submitted to Local fire Authority for approval]</p> <p>(Factory inspection will have to carried out by agency with G.S.P.H.C.L. engineer)</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
193	Supplying & erecting approved make <b>motor control cubical panel (Direct-on- line)</b> made from 16 G. CRCA sheet duly epoxy powder painted inside and outside with hinged doors and locking, arrangement consisting of suitable size of ON-OFF isolator (AC - 3/23duty) main fuses, single phasing preventer, indicating lamps for R-Y-B phases, overload relay, Automatic water level controller, Ammeter, Voltmeter each with two way selector switch incoming, wires duly socket crimped, main contactor & overload relay, start - stop push buttons, to be erected on angle iron frame grouted on wall as directed. The isolator, overload relay & contactors will be of L&T, Siemens or BCH make only. <b>(a) As per suitable size as per terrace pump KW / HP rating and relay and contactor rating as per full load current rating of Terrace pump [The panel must be suitable for ON-OFF switch contacts with suitable capacity contactors and required accessories in panel]</b>	1.00	Each	8624.00	Rupees Eight Thousand Six Hundred Twenty Four Only	8624.00
194	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)	4.00	Each	1310.00	Rupees One Thousand Three Hundred Ten Only	5240.00
195	Providing and fixing of <b>Dial type Pressure Gauge</b> having 100 mm dial & range of 0-14 Kg/cm <sup>2</sup> with isolation ball valve. (Make:- Hguru, Fiebig) (Test certificate must be submitted)	4.00	Each	1513.00	Rupees One Thousand Five Hundred Thirteen Only	6052.00
196	Supplying, installation, testing and commissioning of <b>On/Off switch</b> with all require. [ASES or equivalent make and model approved by EIC as per specification) [Test certificate must be submitted]	6.00	Each	890.00	Rupees Eight Hundred Ninety Only	5340.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
197	Providing and fixing of <b>Air Release Valve</b> including Ball Valve 25 mm dia. (Approved ISI make & model approved by EIC strictly as per specification)	2.00	Each	1602.00	Rupees One Thousand Six Hundred Two Only	3204.00
198	SITC of <b>Microprocessor based Net-workable Analogue Addressable Fire Alarm Control Panel</b> . The Panel shall be compliant with EN54-2, EN54-4 and approved by LPCB. The Fire Alarm Control Panel shall have inbuilt one loop and expandable capacity upto 2 loops. The Panel must have large graphic display. The Panel must also have the capability to take Addressable Intelligent Wired and Wireless Devices on same loop. Each loop shall have a capacity of 127 analogue Addressable devices and 127 Base sounders/Base Sounder Beacons. The Panel shall have 240 V AC power supply along with automatic Battery Charger. <b>(Approved by LPCB &amp; (NOTIFIER / EDWARD / HOCHIKI / BOSCH / Honeywell make and model approved by EIC as per specification) [Test certificate must be submitted]</b>	1.00	Nos	126006.00	Rupees One Lakh(s) Twenty Six Thousand Six Only	126006.00
199	Supply,Instllation,Testing and Commissioning of <b>Addressable Smoke detector</b> with base with Binary coded address setting. Dual LED's for 360° visibility. Sleek low-profile housing design. Regular 100mm base. IP Rating : IP - 42. Approval: UL Listed/LPCB (Including Five year free maintenance with guarantee) <b>(NOTIFIER / EDWARD / HOCHIKI / BOSCH / Honeywell make and model approved by EIC as per specification)</b> [Test certificate must be submitted]	125.00	Nos	2843.00	Rupees Two Thousand Eight Hundred Forty Three Only	355375.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
200	Supply,Instllation,Testing and Commissioning of <b>Addressable Heat detector</b> with base with Binary coded address setting. Dual LED's for 360° visibility. Sleek low-profile housing design. Regular 100mm base. IP Rating : IP - 42. UL Listed/LPCB (Including Five year free maintenance with guarantee) <b>(NOTIFIER / EDWARD / HOCHIKI / BOSCH / Honeywell make and model approved by EIC as per specification)</b> [Test certificate must be submitted]	2.00	Nos	2913.00	Rupees Two Thousand Nine Hundred Thirteen Only	5826.00
201	Supply,Instllation,Testing and Commissioning of <b>Addressable Manual Call Point</b> - Resettable type - with back box with Binary coded address setting with Status LED for 360° visibility - IP:50 Rating (Including Five year free maintenance with guarantee) <b>(NOTIFIER / EDWARD / HOCHIKI / BOSCH / Honeywell make and model approved by EIC as per specification)</b> [Test certificate must be submitted]	20.00	Nos	3030.00	Rupees Three Thousand Thirty Only	60600.00
202	SITC of Analogue addressable loop powered Base <b>Sounder</b> , variable sound output 50 ~ 98 dB(A) (±2 dB(A)) output at 1 metre, 51 user-selectable tones (all tones EN54-3 compatible), Auto shutdown feature prevents noise-pollution, Approved by LPCB & VdS (Including Five year free maintenance with guarantee) <b>(NOTIFIER / EDWARD / HOCHIKI / BOSCH / Honeywell make and model approved by EIC as per specification)</b> [Test certificate must be submitted]	20.00	Nos	4800.00	Rupees Four Thousand Eight Hundred Only	96000.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
203	SITC of Response Indicator - Dual LED (Metal square plate type) (Including Five year free maintenance with guarantee) <b>(NOTIFIER / EDWARD / HOCHIKI / BOSCH / Honeywell make and model approved by EIC as per specification)</b> [Test certificate must be submitted]	15.00	Each	150.00	Rupees One Hundred Fifty Only	2250.00
204	Supplying and erecting Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed. <b>For 1.50 Sq.mm 3 core round PVC sheathed.</b> having insulation colour RED or BLACK for Fire Alarm System. [make and model approved by EIC strictly as per tender specification)	5000.00	Mtr.	46.00	Rupees Forty Six Only	230000.00
205	Providing & erecting XLPE (IS : 7098) (I)-88 ISI marked armoured Copper cable for 1100 volt to be laid 90 cms. Under ground or to be laid on wall with suitable G.I. heavy guage cable 1.0 mm thick clamp or in existing DWC pipe underground or road crossing or floor. <b>For 4 core x 1.5 sq.mm Copper Armoured cable with all require accessories.</b>	300.00	Mtr.	152.00	Rupees One Hundred Fifty Two Only	45600.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
206	<p><b>Executing comprehensive (All-in-All) service &amp; maintenance with spare parts as per terms &amp; condition of tender for Fire hydrant Sprinkler system, Fire Extinguisher</b> with fire hydrant agency for defect liability period and copy of this contract will be submitted before final bill. Agency has to quote rate accordingly. Agency has to also provide the fitness certificate from system agency and submit to G.S.P.H.C.L. Agency has to compulсарy submit <b>FDR of approved bank as per clause 2.0, section-3, of Rs. 67490.00+GST or quoted rate (with tender premium) whichever is higher to G.S.P.H.C.L. for minimum maturity period of Five years in favour of G.S.P.H.C.L.,</b> Which will be released after successful completion of A.M.C. &amp; at the completion of defect liability period. Fire System agency has to maintain written record of service &amp; 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.</p>	1.00	Job	67490.00	Rupees Sixty Seven Thousand Four Hundred Ninety Only	67490.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	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. (Note:- This FDR is execute only if fire hydrant system with Main fire pump,Jockey Pump,Diesel Pump work done on site & applicable for Main fire Pump,Jockey pump,Diesel pump(whole fire Hydrant with Fire extinguisher maintenance only)					
207	Providing and fixing of <b>Automatic type 5 kg Fire Extinguishers Mono Ammonium Phosphate powder 50%</b> Confirms to IS 4308, Applicable fire classes A,B & C, UGTS Pressure Gauge, Can Height 370mm, Diameter 230 ± 10mm, <b>Made up from 2 mm thick sheet</b> , 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. Reference 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.	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]		[3]	[4]	[5]a	5[b]	[6]
	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] <b>(Make: KANEX, MINIMAX, CEASEFIRE)</b>					
208	Providing and fixing of <b>ABC Type Store Pressure Fire Extinguisher</b> Having capacity <b>6 kg</b> Filled with <b>Mono Ammonium Phosphate Powder 50%</b> confirms to IS 4308, Stored Pressure Type, UGTS Pressure Gauge, Can Height 530 mm, Diameter 150 ± 10mm, Discharge Time 24 Sec, Controllable discharge mechanism, Jet Range 5 Meters, Average Discharge is 92%, applicable on Class A,B & C and electrically started Fire, <b>Fire Rating 4A:144B</b> , Can Construction : Deep drawn & CO2 Mig welded, <b>EPDM(Ethylene Propylene Diene Monomer) Rubber Hose</b> with both end Aluminum clamped, <b>Internal Coating - Epoxy Powder coating, External Coating - Pure Polyester Powder coating (UV Resistant),Brass forged CE Marked valves with NRV &amp; Auto Safety Release</b> with safety Pin is of SS material, <b>Made up from 1.6mm thick sheet</b> , Extinguishers confirmed to IS 15683:2018 and ISI marked. Referance Weight:-Gross Weight 8.9 Kg, Empty Weight 2.9 Kg, 1. Necessary certificate & and guarantee must be attached, 2. OEM has to provide wall mounting heavy duty bracket/clamp, screw, hardware for installation.	25.00	Nos.	1991.00	Rupees One Thousand Nine Hundred Ninety One Only	49775.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	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] <b>(Make: KANEX, MINIMAX, CEASEFIRE)</b>					
209	Providing and fixing of <b>CO2 type High Pressure Portable 4.5 kg Fire Extinguisher</b> , filled with <b>Co2 Gas as per IS 15222</b> , Control discharge mechanism fitted with <b>1 Meter Wire Braided Hose &amp; Electrical non-conductor Polyethylene Flat Horn</b> with Diffuser Nozzle for dispersed discharge of CO2, Discharge Time 12 Sec, Average Discharge is 95%, Applicable on Class B, C and electrically started Fire, <b>Fire Rating 55B</b> , Internal coating is not applicable & External coating is of enamel spray painting, Powder Coated Handle, <b>Valve Confirm to IS 3224 ISI Marked</b> , CO2 Cylinder construction: hot spinning by seamless pipes & bearing ISI mark, <b>Body confirms to IS 7285 and PESO (Petroleum and Explosives Safety Organization) APPROVED</b> , <b>Minimum Wall Thickness 4 to 4.2 mm</b> , Extinguishers confirmed to IS 15683:2018 and ISI marked. Referance Weight:-Gross Weight 16.4, empty weight 11.9 Kg, 1. Necessary certificate & and guarantee must be attached, 2. OEM has to provide wall mounting heavy duty bracket/clamp, screw, hardware for installation.	25.00	Nos.	6526.00	Rupees Six Thousand Five Hundred Twenty Six Only	163150.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]		[3]	[4]	[5]a	5[b]	[6]
	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] <b>(Make: KANEX, MINIMAX, CEASEFIRE)</b>					

**10174365.75**

.....  
Contractors Signature

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