

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

**Name of Work :**

**Construction of Shed & Room For Firing Simulator with  
Container in PTC Campus at Junagadh (Including Electric)**

**:: 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. 3585438.88**

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
1	Excavation for foundation upto <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>	9.00	Cum	121.72	Rupees One Hundred Twenty One And Paise Seventy Two Only	1095.48
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>[B] Dense or Hard Soil.</b>	18.00	Cum	155.60	Rupees One Hundred Fifty Five And Paise Sixty Only	2800.80
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>[D] Soft Rock</b>	58.00	Cum	273.50	Rupees Two Hundred Seventy Three And Paise Fifty Only	15863.00
4	Providing & laying Cement Concrete 1:4:8 ( 1 cement : 4 coarse sand : 8 M/C graded stone aggrigates of 20 mm nominal size) curing complete including cost of formwork in <b>FOUNDATION AND PLINTH.</b>	11.00	Cum	2742.27	Rupees Two Thousand Seven Hundred Forty Two And Paise Twenty Seven Only	30164.97

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
5	Providing and laying <b>TMT Steel reinforcement (Grade Fe-500/500D)</b> for RCC work including cutting,bending,binding and placing in position etc.comp for all floor. Steel must be used as per approved material list of Gsphcl.	5890.00	Kg	76.52	Rupees Seventy Six And Paise Fifty Two Only	450702.80
6	Providing & laying controlled cement concrete M- 250 and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Column Footing</b> . Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	11.00	Cum	4722.49	Rupees Four Thousand Seven Hundred Twenty Two And Paise Forty Nine Only	51947.35
7	Providing & laying controlled cement concrete M- 250 and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Column Up to Plinth</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	8.00	Cum	9363.25	Rupees Nine Thousand Three Hundred Sixty Three And Paise Twenty Five Only	74906.03
8	<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.	52.00	Cum	135.56	Rupees One Hundred Thirty Five And Paise Fifty Six Only	7049.12
9	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.	92.00	Cum	298.79	Rupees Two Hundred Ninety Eight And Paise Seventy Nine Only	27488.68

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
10	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for R.C.C. work in <b>Plinth Beam</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	8.00	Cum	7318.48	Rupees Seven Thousand Three Hundred Eighteen And Paise Forty Eight Only	58547.87
11	<b>Brick work</b> using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm.in <b>foundation and plinth</b> in cement mortar 1:6 (1-cement;6-coarse sand), Conventional bricks. Bricks with frog only shall be used.	15.00	Cum	4172.60	Rupees Four Thousand One Hundred Seventy Two And Paise Sixty Only	62589.00
12	Supplying and Filling in plinth with <b>sand under floors</b> including watering, ramming, consolidation and dressing etc.complete.	23.00	Cum	477.03	Rupees Four Hundred Seventy Seven And Paise Three Only	10971.69
13	Applying general insecticide <b>pest control treatment</b> to floors, cup boards etc., including labour, material etc. complete.	204.00	Sqm	38.70	Rupees Thirty Eight And Paise Seventy Only	7894.80
14	Providing and laying damp proof course 25mm thick cement concrete 1:2:4 (1-Cement : 2 coarse sand : 4 stone aggregate 10 mm nominal size) and curing Complete	10.00	Sqm	318.78	Rupees Three Hundred Eighteen And Paise Seventy Eight Only	3187.80
15	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>	18.50	Cum	2581.11	Rupees Two Thousand Five Hundred Eighty One And Paise Eleven Only	47750.54

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[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
16	Providing & laying controlled cement concrete <b>M-150</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement <b>for R.C.C. work in Grade slab</b> for any cross sectional area at Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	36.00	Cum	4040.21	Rupees Four Thousand Forty And Paise Twenty One Only	145447.56
17	Providing & laying controlled cement concrete <b>M- 250</b> and finishing smooth with curing etc.complete including the cost of formwork of plywood only with fair finish & Proping must be of steel only so as to give a fair finish but excluding the cost of reinforcement for <b>R.C.C. work in Column</b> for any cross sectional area at <b>Ground Floor</b> Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	6.00	Cum	10819.77	Rupees Ten Thousand Eight Hundred Nineteen And Paise Seventy Seven Only	64918.63
18	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 Lintel Band</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.	3.00	Cum	6110.86	Rupees Six Thousand One Hundred Ten And Paise Eighty Six Only	18332.57
19	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.cm.in Ground Floor in cement mortar 1:6 (1-cement;6-coarse sand), Conventional bricks.Bricks with frog only shall be used.	34.00	Cum	4451.53	Rupees Four Thousand Four Hundred Fifty One And Paise Fifty Three Only	151352.02

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
20	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 <b>for R.C.C. work in finishing smooth for R.C.C. Chhajjas</b> having any thickness up to floor two level including finishing the exposed surface with cement mortar 1:3 ( 1 cement : 3 fine sand) to give a smooth surface for ALL FLOOR. Rate are also Inclusive Of Providing & Mixing Plastisizer Of Approved Make & In Proportion As per mix design.	1.00	Cum	9715.75	Rupees Nine Thousand Seven Hundred Fifteen And Paise Seventy Five Only	9715.75
21	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 <b>for 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.	2.00	Cum	9079.22	Rupees Nine Thousand Seventy Nine And Paise Twenty Two Only	18158.44
22	Providing <b>15 mm. thick cement plaster</b> in single coat on wall for interior plastering and finished even and smooth in C:M 1:4 (1 cement; 4 sand) including finishing with a floating coat of neat cement slurry <b>at Ground Floor.</b>	165.00	Sqm	220.46	Rupees Two Hundred Twenty And Paise Forty Six Only	36375.90
23	Providing <b>20mm thick SAND FACED</b> cement plaster on walls above ground level consisting 12mm thick backing coat of C:M 1:3 (1 cement; 3 sand) and 8mm thick finishing coat of C:M 1:1 (1 cement; 1 sand) etc. complete for any height. [Gutka Plaster only]	249.00	Sqm	339.02	Rupees Three Hundred Thirty Nine And Paise Two Only	84415.98

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
24	Providing & Laying 24" x 24" Double Charge vitrified 8 to 10 mm thick tile <b>flooring</b> over 20 mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface orfixing on existing flooring by adhesive including dismentaling of existing flooring and material jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. size and shade as per approved drawings or as per diection of engineer in charge.	11.00	Sqm	1513.90	Rupees One Thousand Five Hundred Thirteen And Paise Ninety Only	16652.90
25	Providing and laying 24" x 24" in <b>Skirting</b> riser of steps and dado Double Charge vitrified 8 to 10 mm thick tile over 10 mm thick Cement plaster of cement mortar 1:3 (1 cement: 3 coarse sand) jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. size and shade as per approved drawings or as per diection of engineer in charge.	5.00	Sqm	1445.20	Rupees One Thousand Four Hundred Forty Five And Paise Twenty Only	7226.00
26	Providing & Laying 24" x 24" Double Charge vitrified 8 to 10 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive including dismentaling of existing flooring and material jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for <b>Anti Skid</b> .	49.00	Sqm	1453.19	Rupees One Thousand Four Hundred Fifty Three And Paise Nineteen Only	71206.31
27	Providing and laying <b>25mm thick mirror Polished (Dimond Cut)</b> Kota Stone Slab Flooring over 20mm thick base of cement mortar 1:6 ( 1 cement : 6 coarse sand) laid over & jointed with grey cement slurry including rubbing & polishing etc. Complete as Directed By Engineer In Charge For All Floors.	9.00	Sqmt	1108.30	Rupees One Thousand One Hundred Eight And Paise Thirty Only	9974.70

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
28	P & F to Wall Ceilling and Floor SWR Rain Water pipe as Per IS-13592 of 90mm Dia Complete with Special flings, Compressor type Fittings, Wall clips on wooden patty including making good the ceiling and floor on terrace rain water pipe shall be 90 mm Dia. SWR horizontal pipe and vertical pipe and 90mm bend at the end near by Ground level rate are Inclusive of all Necessary Fittings required. [Pipe Fixing Single Pipe Bracket System with U Bolt Rubber mounted for Pipe Supporting Clamping System or S4 Channel System (S4 Channel+Profile Bracket + U Bolt For Multi pipe fixing & paid Separately in Number Base] <b>for 90 mm dia. Pipe.</b>	14.00	Rmt.	323.15	Rupees Three Hundred Twenty Three And Paise Fifteen Only	4524.10
29	Providing and Laying 18 mm thick Granite Stone Slab Flooring over 20mm thick average base of C.M. 1:6 (1cement : 6 coarse sand) laid and jointed with grey cement slury including Rubbing and Polishing etc. Complete for All Floors.	6.00	Sqm	2158.45	Rupees Two Thousand One Hundred Fifty Eight And Paise Forty Five Only	12950.70
30	Providing and laying <b>Granite Slab (18 mm thick)</b> of approved colour & quality & brand, one side polished flooring over 20 mm (average) base of cement mortar 1:6 (1 cement : 6 coarse sand) laid and jointed with grey cement slurry including rubbing, curing including grooving, moulding, nosing of corners and mirror polishing complete.For <b>flooring of steps, stairs with</b> treads & risers etc.	5.00	Sqm	2247.24	Rupees Two Thousand Two Hundred Forty Seven And Paise Twenty Four Only	11236.20

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
31	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.	6.00	Sqm	2428.00	Rupees Two Thousand Four Hundred Twenty Eight Only	14568.00
32	Providing and laying 25mm thick polished KOTAH STONE SLAB FLOORING over 20mm average thick base of cement mortar 1:6(1 cement; 6 coarse sand) over and jointed with grey cement slurry including rubbing and polishing etc. complete for All floors.	150.00	Sqm	1009.30	Rupees One Thousand Nine And Paise Thirty Only	151395.00
33	Providing and laying polished kota stone slab 25mm thick in risers of steps,skirting Dedo and pillars laid on 10mm thick cement mortar 1:3 (1-Cement : 3 coarse sand) and jointed with gray cement slury mixed with pigment to match the shade of slab including rubbing and polishing etc. complete.	3.00	Sqm	1098.09	Rupees One Thousand Ninety Eight And Paise Nine Only	3294.27
34	Steel work, welded in built up sections framed work includig cutting, hoisting, fixing in position and paint. (A) In Beams and joints, channels angles Tees, flats, with connectiog plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like. <b>Structural Steel material should be used ISI marked only.</b>	72.00	Quntl	9018.30	Rupees Nine Thousand Eighteen And Paise Thirty Only	649317.60



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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
35	Providing, Fabricating and fixing <b>M.S. GRILL/GATE</b> of approved pattern fabricated from M.S. flat,square bars, round bars,c-channel, box pipe as per detail Drawings. Rate is inclusive of welding with grinding smooth surface, two coats of Oil paint and one coat of yellow Zinc primer coat of approved brand only. Oil paint shall be Luxol Enamel paint of Berger Paint india limited. or asian paint apcolite premium gloss Enamel of asian paint or Dulux premium gloss enamel of dulux paint and nerolac synthetics enamel of nerolac paint for all floor and at any height only. <b>Used Structure steel Mebmer ISI Mark Only.</b>	440.00	Kg	75.11	Rupees Seventy Five And Paise Eleven Only	33048.40
36	Providing and Corrugated JSW Pre coated sheet roofing fixing with galvanised iron J or L hooks, Bolts and nuts 8mm Diameter with bitumen and G. I. Limpet washer or G. I. Limpet washer with white lead complete excluding the cost of Purlins, Rafter and trusses. (0.60mm thick)	368.00	Sqm	984.37	Rupees Nine Hundred Eighty Four And Paise Thirty Seven Only	362248.16
37	Providing and Fixing 13mm Thick Heat Insulation fixing with proper technic and material is approved brand with including cost of labour & Required material as Per Engineer Incharge	96.00	Sqm	575.00	Rupees Five Hundred Seventy Five Only	55200.00

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
38	Providing and fixing of Ridge flashing for roof panel shall be made out of 0.5 mm thick pre coated GI sheet . The Precoated sheet shall be of minimum 240 mpa steel grade confirming to IS 14246:1995 and shall have zinc coating of minimum 120 gsm as per IS:277:1992 , 57 microns epoxy primer on both side of the sheet and polyester top coat 15-18 micron. The PPGI Sheet shall have plastic protective guard film of minimum 25 microns to avoid scratches during transportation. The ridge shall be fixed to the steel members by pop rivet or self drilling/self stitching fastners @ maximum 450 mm c/c along length of capping/flashing etc complete	37.00	Rmt.	515.28	Rupees Five Hundred Fifteen And Paise Twenty Eight Only	19065.36
39	Providing and fixing 150mm wide 450mm over all semicircular plain G.I.sheet class-3 gutter with Iron brackets 40mm x 3mm size Bolts, Nuts, washers etc. including making necessary connection with rain water pipes. (i) 0.80 mm thick Sheet	16.00	Sqm	575.56	Rupees Five Hundred Seventy Five And Paise Fifty Six Only	9208.96
40	Providing and fixing window having extruded alluminum Colour anodized section frame main outer size 63.50x38.10x1.95mm, @ Wt 1.094 Kg/Rmt, horizontal two track member size 61.85mm x31.75mm x1.20mm @ wt. of 0.695Kg/mt, vertical member of size 61.85mm x31.75mm x1.30mm @ wt. of 0.659Kg/mt with sliding shutters of horizontal member size 40mm x18mm x1.29mm @ wt. of 0.456Kg/mt, vertical member of size 40mm x18mm x1.29mm @wt. of 0.456Kg/mt, @ Wt. 0.457Kg/mt with 5mm thick transparent bronze colour tinted float glass with powder coated alluminum fitting sand fixture sand transparent silicon sealant glas fixing to frame as per details etcc omplete for window.	5.00	Sqm	1696.73	Rupees One Thousand Six Hundred Ninety Six And Paise Seventy Three Only	8483.65

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
41	Providing and fixing standard extruded aluminium section of size 63mm x 38.10mm x 1.2mm (Jindal Section :2434, @ Wt. 0.643 Kg/mt) with colour anodized aluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation	1.00	Sqm	1163.92	Rupees One Thousand One Hundred Sixty Three And Paise Ninety Two Only	1163.92
42	Providing & Fixing extruded aluminium section 15 microns regular anodized (Coating with Matt finished and excellent outdoor durability) door with partly glazed 5mm clear float glass and partly both sides prelaminated parial board of 12mm thick as per detailed drawings and specificatio gaskets of EPDM quality shall be Provided for weather toghtening along with the silicon sealents of down corning / G.E. silicon / wackers germany of equivalent complete etc as per approved by architect complete as per the following section of jindal make or equivalent. [A] Frame 20001(63.50 X 49.50 X 2.65 mm). [B] Shutter side 19572 (85 X 44.45 X 1.80 mm). [C] Shutter Top & side - 19581 (83.50 X 44.45 X 2.00 mm). [D] Middel & Bottom - 1964 (100 X 44.45 X 2.00 mm). [E] Glazing clip -19352 (0.70 mm). [Half panelled & Half Glazed door]	5.00	Sqm	4174.70	Rupees Four Thousand One Hundred Seventy Four And Paise Seventy Only	20873.50

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
43	Pro & Fix False ceiling of Plain gypsum board of gypsum india Ltd.As per the specificaions and directives issued by the company.The G.I. Sections for the frame work Should Be Of the Company (gypsum india Ltd.)No local sections shall be used for the framework company made section every 2'00" C/C both directives of L section at wall face Which are hanging frame the M.S. framed structure weight 8 kg/sqm (10'6" ht framed the floor level) with fasteners as per the comp.instructions 12mm gypsum board tiled properly screwed & concealed with tape parameters on all four sides of the light fixtures.the ceiling shall be of totally in line, level & where the tapes are fixed on joints, no joints shall be visible.	60.00	Sqm	600.94	Rupees Six Hundred And Paise Ninety Four Only	36056.40
44	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.	165.00	Sqm	179.92	Rupees One Hundred Seventy Nine And Paise Ninety Two Only	29686.80

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
45	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.	249.00	Sqm	153.35	Rupees One Hundred Fifty Three And Paise Thirty Five Only	38184.15
46	Providing a I.S.I. mark 7 levers three key brass pad lock of NAVATAL (Godrej) make 65mm dia on completion of project.	2.00	No.	211.86	Rupees Two Hundred Eleven And Paise Eighty Six Only	423.72

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[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
47A	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 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>	30.00	Point	481.00	Rupees Four Hundred Eighty One Only	14430.00

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				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	Necessary sheet / tape / polythene / sand must be erected or filled in all box to prevent mortar going into the box. Length of point wiring must not increase than 10 mtr. For that necessary switch boards and their locations must be finalised before execution by agency otherwise payment will not be done for extra long point. (For future extention, if required, agency has to erect one higher size metal box and modular plate as per instruction of EIC. Cost of blank plate shall be paid as per tender item) [Wire must be having box packing] [This item include cleaning (inside/outside) of all G.I. switch boards, electric point box, fan box, MCBDB & box cutting plaster finishing for modular plate B14 without any gap] [conductor resistance should be as per IS:8130/1984]					
47B	<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	4.00	Point	668.00	Rupees Six Hundred Sixty Eight Only	2672.00
47C	<b>For separate Point</b> (with 6 Amp. Switch & 5 pin socket both are with ISI Mark) Cat.-III	7.00	Point	505.00	Rupees Five Hundred Five Only	3535.00
47D	<b>For Looped on switch board</b> (with 6 Amp. Switch & 5 pin socket both are with ISI Mark) Cat.-III	15.00	Point	255.00	Rupees Two Hundred Fifty Five Only	3825.00
48A	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>	150.00	Mtr.	24.00	Rupees Twenty Four Only	3600.00

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[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
48B	<b>25 mm dia.</b>	100.00	Mtr.	33.00	Rupees Thirty Three Only	3300.00
48C	<b>32 mm dia.</b>	50.00	Mtr.	54.00	Rupees Fifty Four Only	2700.00
49A	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]	150.00	Mtr.	62.00	Rupees Sixty Two Only	9300.00
49B	<b>2 x 4.0 sq.mm. FRLS</b> copper multi stranded conductor mains with <b>2.5 sq.mm. FRLS</b> copper multi stranded conductor for earthing as per standard colour code. (Conductor resistance should be as per IS:8130/1984)	50.00	Mtr.	111.00	Rupees One Hundred Eleven Only	5550.00
49C	<b>2 x 6.0 sq.mm. FRLS</b> copper multi stranded conductor mains with <b>2.5 sq.mm. FRLS</b> copper multi stranded conductor for earthing as per standard colour code. [conductor resistance should be as per IS:8130/1984]	80.00	Mtr.	146.00	Rupees One Hundred Forty Six Only	11680.00
50	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



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
51	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
52	<b>Providing and fixing 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 Switch and accessories mounted in 20 G. GI company fabricated metallic box covered with appropriate front plate modules erected flushed with wall. <b>(a) 16 Amp. Indicator switch &amp; 1 No. 6/16 A universal socket white colour suitable for 3 pin top duly both having ISI mark.</b> (Necessary sheet / tape / polythene / sand must be erected or filled in all box To Prevent Mortor Going In To The Box) (Conductor resistance should be as per IS:8130/1984) <b>Cat.-III. (Conductor resistance should be as per IS:8130/1984)</b>	14.00	Point	738.00	Rupees Seven Hundred Thirty Eight Only	10332.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
53	<b>Providing and fixing Plug Point wiring</b> with approved ISI marked 1.1 kv 2 x 4.0 sq.mm copper PVC insulated FRLS wire with 2.5 sq.mm (green) copper PVC insulated FRLS wire for earth continuity in FIA approved ISI mark white colour medium class 20/25 mm dia. embossed rigid PVC pipe with PVC fitting fixed with adhesive solution erected in wall/slab along with continuous G.I. fish wire to draw wires and laid in approved manner. zari for PVC pipe & boxes shall be filled with cement mortar & finishing the surface to match the wall / ceiling complete with <b>1 No. 16 Amp. Modular type Indicator Swich and 1 no. 16 Amp. universal 3 pin socket suitable for 3 pin top duty.</b> [Both Having ISI mark must] mounted in 20 G. G.I. company fabricated metallic box covered with appropriate front plate modules erected flushed with wall.Above accessories will be erected combined or separately as per site requirement and instruction of EIC. <b>Cat.-III. (A.C. POINT)</b> (Necessary Sheet Must Be Erected On All Box To Prevent Mortar Going Into The Box) (Conductor resistance should be as per IS:8130/1984)	4.00	Point	863.00	Rupees Eight Hundred Sixty Three Only	3452.00
54	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>	30.00	Each	25.00	Rupees Twenty Five Only	750.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
55	<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: outer pipe:- 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 <b>26 kg</b>.</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, Sulphar 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 <b>25 Kg</b>.</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>	4.00	Each	7025.00	Rupees Seven Thousand Twenty Five Only	28100.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	<p>Necessary test report must be submitted.</p> <p>1. Short circuit test by ERDA/ CPRI for 25KA</p> <p>2. Resistivity test of conducting material from NABL accredited lab.</p> <p>3. Hot dip galvanised / zinc coating micro test from reputed laboratory.</p> <p>4. General test report from OEM regarding specification of earthing. [Make and model approved by EIC Strictly subject to item specification only] [OEM has to submit all detail &amp; sample for approved before supplying] [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>					
56	For Above Earthing Additional charges for boring in hard rock soil (By Breaker) & filling soft soil in earth pit. (Certificate for soil have to given by DEE/AE along with Photographs).	4.00	Each	276.00	Rupees Two Hundred Seventy Six Only	1104.00
57	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.	200.00	Sq. Inch	5.94	Rupees Five And Paise Ninety Four Only	1188.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
58	Supplying and Erecting <b>LED indoor fitting of approximately 4 feet long with LED</b> of watt age 0.2W to 0.5W assemble on single MCPCB with housing use as a heat sink shall be made from Aluminum extrusion having enough strength (sample must be approved by EIC) with polycarbonate diffuser with following specification: (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]	5.00	Each	370.00	Rupees Three Hundred Seventy Only	1850.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
59	<p>SITC of Indoor Commercial Recess / Surface mounted (IP20) <b>24 W Cool/Warm white Color LED Down lighter</b> office Lighting Luminaire with separate potted driver with single piece pressure die cast aluminium alloy housing with corrosion resistant powder coated finish with PMMA/PS/Injection moulded Polycarbonate diffuser with high brightness LED complete (only from Philips Lumileds, CREE, Nichia, Bridgelux, Seoul &amp; Osram) CRI &gt; 80, with 24 W. The LED's should be mounted on metal core PCB for better heat conduction and long life of LED. The Fixture should comply all International Standard third party (LM 79 for complete fixture, LM80 for individual LED). The Fixture have protection like miswiring, over voltage, over load, wrong wiring, THD &lt; 15%, P.F &gt; 0.95, efficiency ≥ 90 lm/w &amp; driver efficiency &gt; 85%. For 24 W fixture wide voltage range from 160 V to 270 V, 50/60 HZ @ 240V application, 2 KV surge protection.</p>	2.00	Each	751.00	Rupees Seven Hundred Fifty One Only	1502.00
	<p>The fixture must have min. 2160 lumen light output. The fixture should be provided with external separate Potted driver, latest Valid BIS approved Luminaire and driver. The Fixture efficiency ≥ 90 lumens/watt only for safety and performance. (L70 @ 30,000 Hrs.) The fixture should be able to easily mount on POP / Grid false ceiling. The Luminaire should be tested as per IP 20 and following test reports should be submitted at the time of approval: heat resistant test, thermal test, Ingress protection test, drop test, Photobiological report with 3 core X 1.0 Sq.mm. flexible wire as per site requirement [Note:-The manufacturer / authorized Channel partner of the manufacturer has to submit 5 yrs. free replacement Guarantee for complete Fixture]</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
60	<p>SITC of Indoor Commercial Recess/ Surface mounted (IP20) <b>Max. 45 W Cool/Warm White Color LED office Lighting Luminaire having size (2'X2')/(4'X1')</b> with suitable separate metal frame with white powder coating for installing fitting in gypsum false ceiling with external separate driver having BIS certification for installation in Gypsum ceiling with single piece pressure die cast aluminium alloy housing with corrosion resistant powder coated finish with PMMA/PS/Injection moulded Polycarbonate diffuser with high brightness LED complete (only from Philips Lumileds, CREE, Nichia, Bridgelux, Seoul &amp; Osram) CRI&gt;80 with 45W.The LED's should be mounted on metal core PCB for better heat conduction and long life of LED. The Fixture should comply all International Standarad third party (LM 79 for complete fixture, LM80 for individual LED). The Fixture have protection like miswiring, over voltage, over load, wrong wiring, THD &lt; 15%,, P.F &gt; 0.95, efficiency ≥ 90 lm/w &amp; driver efficiency &gt; 85%. For 45 W fixture wide voltage range from 160 V to 270 V, 50/60 HZ @ 240V application, 2 KV surge protection.</p>	9.00	Each	2071.00	Rupees Two Thousand Seventy One Only	18639.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	Fixture must have Min. 4050 Lumens light output. The fixture should be provided with external separate Potted driver, latest Valid BIS approved Luminaire and driver. The Fixture efficiency $\geq 90$ lumens/watt only for safety and performance. (L70 @ 30,000 Hrs.) The fixture should be able to easily mount on POP / Grid false ceiling. The Luminaire should be tested as per IP 20 and following test reports should be submitted at the time of approval: heat resistant test, thermal test, Ingress protection test, drop test, Photobiological report with 3 core X 1.0 Sq.mm. flexible wire as per site requirement [Note:-The manufacturer / authorized Channel partner of the manufacturer has to submit 5 yrs. free replacement Guarantee for complete Fixture]					
61	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 $\geq 0.5$ (A) LED Lamps integral type, with PC diffuser suitable LAMP holder	7.00	Each	111.00	Rupees One Hundred Eleven Only	777.00
62	Providing and erecting Polycarbonate body surface mounting <b>LED Bulk head type 9 watt</b> Lighting Fitting 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 $\geq 80$ lm/w, -20 deg C to + 60 deg C working temperature, AL frame with Beam Angle 120 deg.	2.00	Each	780.00	Rupees Seven Hundred Eighty Only	1560.00



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
63	Providing, erecting, testing <b>Ceiling Fan</b> confirming to IS: 374/1979 AMDT No. 1 to 6 Class-I, 50 Hz. Specification of Ceiling Fan must be as per below. (1) Sweep: 1200 mm, (2) Operating Voltage: 180 to 230 V, (3) Power Factor: > 0.9, (4) Power Consumption: maximum 53W, (5) RPM: minimum 330, (6) Service value:min 4.3 m3/min. (7) Class of insulation: 'B', (8) No. of heavy duty premium quality Ball bearing: Two, (9) Total Body: Top & Bottom should be alluminium, (10) Blade: Aluminium approx 1.1 mm thick, (11) Colour: White high grade powder coating, (12) Canopy: Two Nos. Heavy duty, (13) Condenser: min 1.5 MFD (15% Tolerance )as per is 1709-1984, Aluminium body premium quality, Branded make,(14) Down road: up to 1.0 mtr as per site requirment, (15) Required fixing accessories, (16) 3 core 0.75 sq.mm ISI wire as per site requirment, (17) No vibration and noise due to mechanical parts. (Agency has to erect safey wire with ceiling fan and checked with EIC) (OEM has to approved model as per tender specification and tested at ERDA) (Necessary test reports should be submitted strictly at the time of approval. Sample approved by EIC subject to above specification only)	4.00	Each	1929.00	Rupees One Thousand Nine Hundred Twenty Nine Only	7716.00
64	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 & piereced through 18 Gauge G.I Box having 125 mm dia depth of 75 mm complete erected concealed in ceiling with necessary round modular plate	4.00	Each	125.00	Rupees One Hundred Twenty Five Only	500.00
65	Providing & erecting <b>Fan clamp of 30x5 mm flat</b> of required length & 10 mm M.S. Bolt & Nuts erected with necessary hook of 10 mm M.S. Round Bar.	4.00	Each	98.00	Rupees Ninety Eight Only	392.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
66	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.]	15.00	Rn. Mtr.	107.00	Rupees One Hundred Seven Only	1605.00
67	Supplying & erecting approved make <b>low noise Decorative exhaust fan</b> having size 150/200 mm with 1350 RPM with round / square frame ABS/metalic body with Grill / inbuilt lowers.(Make & model approved by EIC)	1.00	Each	1687.00	Rupees One Thousand Six Hundred Eighty Seven Only	1687.00
68	Supplying and erecting approved make <b>oscillating type bracket fan</b> A.C. 230 V. 50 cy/s 400/450 mm sweep wall mounted with height adjustment and rotary tilting device complete with guard, flexible Core plug top complete erected with lead wires as directed. (Make & model approved by EIC) <b>Cat II</b>	1.00	Each	2509.00	Rupees Two Thousand Five Hundred Nine Only	2509.00
69	Providing & erecting 14 SWG galvanized mild steel chain with end rings for hanging tube fitting as directed.	30.00	Mtr.	26.00	Rupees Twenty Six Only	780.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
70	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated indoor type cubical panel board having <b>IP-42</b> & above protection as per approval from engineer incharge and made from 2 mm. thick CRC M.S. sheet for outer body & doors, 1.6 mm. thick CRC M.S. sheet for internal partitions with necessary supporting angles, flats including skirting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-In-Charge with erection of supplied switchgears, busbars with suitable size of interconnecting PVC copper wire / Copper-Aluminium strips, rubber gromets, rib, control wires, backelite control fuses, measuring instruments, earth bus & earth bolts, foundation flange-bolts-base plates, sufficient nos. of hinged doors, handle with locking arrangement, rubber gasket complete with Required Nos. heavy Duty Connector with Cadmium plated nut and bolt for Anti rusting	0.50	Sq. Mtr.	10365.00	Rupees Ten Thousand Three Hundred Sixty Five Only	5182.50
	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) <b>(A) locally fabricated panel board (i) With 350 mm depth.</b>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	<p>Panel manufacturer have to give 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. Loading and unloading of above item shall be done by hydra and skill work force under supervision of electrical engineer and guidelines given by manufacturer to avoid damage to the item. Picture of it to be submitted in running bill / final bill.</p> <p>Size of door and Ele. room / Pump room shall be checked by agency's engineer before giving order. If found any problem in size discuss with GSPHCL engineer for rectification before giving order. [Including Necessary numbering / marking on PANEL done with red colour radium sticker as per site requirement and instructions given by EIC on site. Font / number size given by EIC on site as per requirement]</p>					
71	Supplying & erecting approved make <b>Four Pole 415 V change over switch</b> interior for panel mounting with operating mechanism A.C.23 duty confirming to IS <b>For 63 Amp.</b>	1.00	Each	4738.00	Rupees Four Thousand Seven Hundred Thirty Eight Only	4738.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
72	Providing and erecting approved make <b>single phase Double Door metal clad D.B.</b> as per relevant Indian standards amended up to date. Supplying and fixing following way single phase MCB distribution board of company fabricated IK 09 certificate with sheet box with powder coated inside and outside after apply seven tank chemical process of MS sheet cover complete with suitable integral single piece construction tinned copper busbar and link with all necessary interconnection and with necessary size MS frame for mounting MCBDB. Manufacturer must be provided (1) IP 43 and as per IS:8623-1 & 3, IEC 61439-1 & 3 having D type PU gasket. (2) Seven tank Powder coating Certificate (3) Tinned Copper/Brass make neutral & Earthing link with isolation & Protecting Cover. For 240 Volts on surface / recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, with suitable size FRLS PVC insulated copper conductor up to terminal blocks and internal connection, tinned copper bus bar, 1 no. tinned copper neutral link, tinned copper earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc. Single phase incoming and horizontal single phase outgoing.	1.00	Each	4906.00	Rupees Four Thousand Nine Hundred Six Only	4906.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
	<p><b>For 12 Way MCBDB: Including MCB DP 40 Amp. 30 mA double pole ELCB (ELCB confirming to IS:12640/1988 having sensitivity of 30 mA and breaking capacity of 10 KA), MCB 40 Amp. double pole switch (C curve) and S.P. MCB of rating 6 to 32 Amp. with NL suitable to operate on 230 Volt A.C. power. (6 Amp:- 3 Nos., 16 Amp:- 3 Nos. &amp; 25 Amp: 2 Nos.) (The DBs should be used of same company of MCB / ELCB to be used) (MCBDB must be erected in line &amp; level with spirit level and finish the external edge with box cutting plaster) (Same colour MCB(SP/DP) should be used as same as MCBDB) [Including Necessary numbering / marking on box done with red colour radium sticker as per site requirement and instructions given by EIC on site. Font / number size given by EIC on site as per requirement]</b></p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
73	Providing and erecting Approved make Double Door metal clad D.B. company fabricated 16 G.M.S. sheet box with powder coated <b>MCB distribution board</b> - inside and outside after apply seven tank chemical process of M.S. sheet cover complete with suitable integral single piece construction tinned copper busbar- and link with all necessary interconnection, confirming to IS 13032 and BS 5486-1986 without MCB to house appropriate nos. of MCBs. Manufacturer must be Provided (1) IP 43 Protection Certificate (2) IK 08 Certificate (3) Severtank Powder Certificate (4) Copper/Brass make neutral & Earthing link with isolation. (The DBs should be used of same company of MCB to be used) <b>Three phase 4 way SS Double door for horizontal single phase outgoing</b> [Including Necessary numbering / marking on box done with red colour radium sticker as per site requirement and instructions given by EIC on site. Font / number size given by EIC on site as per requirement]	1.00	Each	2316.00	Rupees Two Thousand Three Hundred Sixteen Only	2316.00
74	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>	4.00	Each	730.00	Rupees Seven Hundred Thirty Only	2920.00
75	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>	8.00	Each	327.00	Rupees Three Hundred Twenty Seven Only	2616.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
76	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.	10.00	Each	111.00	Rupees One Hundred Eleven Only	1110.00
77A	Supplying & fixing box for housing <b>RCCB + MCB combination made of 18 SWG sheet steel</b> duly powder coated with gasket, dust & vermin proof bakelite shield two earthing terminals for following type of RCCB, RCCB + MCB [a] <b>For 2 pole [Same company metal box used as MCB / ELCB used with earthing terminal with necessary Numbering / marking with oil Paint by painter]</b>	2.00	Each	272.00	Rupees Two Hundred Seventy Two Only	544.00
77B	<b>[b] For 4 pole [Same company metal box used as MCB / ELCB used with earthing terminal with necessary Numbering / marking with oil Paint by painter]</b>	3.00	Each	442.00	Rupees Four Hundred Forty Two Only	1326.00
78	Supplying and Erecting <b>KITKAT pattern porcelain cutout</b> with base of following current capacity erected on existing block board. (vi) 200A. 500 V.	6.00	Each	416.00	Rupees Four Hundred Sixteen Only	2496.00
79A	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>	40.00	Mtr.	275.00	Rupees Two Hundred Seventy Five Only	11000.00
79B	<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
80	Providing and erecting <b>metallic danger notice board</b> for MEDIUM VOLTAGE installation to be erected as per I.S.	2.00	Each	69.00	Rupees Sixty Nine Only	138.00



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
81	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.	200.00	Kg.	75.00	Rupees Seventy Five Only	15000.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
82	<p>SITC of Outdoor aesthetically designed <b>LED Flood Light</b> Luminaire with total consumption of maximum <b>90 W</b> with single piece die cast aluminium housing, LED's mounted on high quality metal core based PCB with extremely precision designed heat sink, complete with IP66 protection Class, with polycarbonate / Toughened glass cover. The fixture should be suitable for pole/bracket mounting. The fixture to comply both LM79 and LM 80 guidelines with LED minimum 130 lumen/watt with L70 at 50,000 hrs, provided with high quality polycarbonate Seperate lenses for better light distribution. The Fixture Should be able to be Pole Mounted and also bracket mounted, provided with high quality potted driver for protection against, high and low Voltage cut Off, operational for high ambient and high humid environments, THD of driver should be less than 10% and P.F &gt; 0.95. Also the Fixture should meet the following technical criterias. Operating range Voltage 160 to 270V, system efficiency &gt; 110 lm/w, CCT &gt; 5000K, CRI &gt;65, beam angle 120 deg, 4kV integral &amp; non integral surge immunity level at least 10 KV non integral... Flood Light lumens shall be more than 9900 (Note:- The manufacturer / authorized Channel partner of the manufacturer has to submit 5yrs free replcement Guarantee for complete Fixture)</p>	6.00	Each	6228.00	Rupees Six Thousand Two Hundred Twenty Eight Only	37368.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
83	Supplying & erecting approved make SMC press moulded composite FRP. loop-in, loop-out approx. 2mm thick box complete with Bakelite connector strip 5way(3P+N+E),DIN rail for mounting mob & hinged doors as per requirement having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps& earth bolt of following size of box.(C)150mm x 125mm x 100mm [deep]	8.00	Each	472.00	Rupees Four Hundred Seventy Two Only	3776.00
84	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>	250.00	Mtr	117.00	Rupees One Hundred Seventeen Only	29250.00
85	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>	80.00	Mtr	150.00	Rupees One Hundred Fifty Only	12000.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
86	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>	300.00	Mtr.	361.00	Rupees Three Hundred Sixty One Only	108300.00
87	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>	100.00	Mtr.	152.00	Rupees One Hundred Fifty Two Only	15200.00
88	Supplying & Erecting following size of Light duty “A” <b>Class G.I. Pipe</b> & erecting as directed by Engineer-in-charge. <b>For 25 mm dia.</b>	20.00	Mtr.	171.00	Rupees One Hundred Seventy One Only	3420.00
89	Providing & Erecting Flexible <b>PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires</b> of following size to be erected as directed. <b>3 core 2.5 sq.mm. PVC insulated round copper wire ISI mark.</b>	60.00	Mtr.	77.00	Rupees Seventy Seven Only	4620.00
90	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>	200.00	Mtr.	141.00	Rupees One Hundred Forty One Only	28200.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
91A	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)	30.00	Each	43.00	Rupees Forty Three Only	1290.00
91B	<b>For 4 core*16 Sq. mm</b> (Sigma, MCI, Comet Make Only)	10.00	Each	57.00	Rupees Fifty Seven Only	570.00
92	Solderless crimping type <b>Copper lugs</b> conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. <b>(a)1.5/2.5 to 6 Sq.mm</b>	200.00	Each	8.00	Rupees Eight Only	1600.00
93	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>	40.00	Each	15.00	Rupees Fifteen Only	600.00
94	Providing & Erecting <b>Universal Astro 5 KVA intelligent streetlight control system</b> insu with weather proof box for outdoor application. (As per specification attached separately) (Make and model approved by EIC)	2.00	Each	12895.00	Rupees Twelve Thousand Eight Hundred Ninety Five Only	25790.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
95	Supplying and fixing <b>radium sticker or Painting the number and words</b> for inventory Identification on erected fittings / equipment's or Such accessories (MCBDB, Panel, Pole, Rack, Earthing, Pump, Door etc.) as may required with good quality of enamelled paint or fade proof, weather proof, waterproof high quality vinyl radium sticker for indoor / outdoor application as directed by engineer in charge. For one character 50 mm height. (The colour of sticker / paint should be as per instruction given by EIC as per site requirement)	100.00	Each	2.00	Rupees Two Only	200.00
96	Providing and erecting <b>Inverter based</b> approved make <b>split air-conditioning unit</b> consisting of condensing unit with variable speed fan motor, inverter type hermetically sealed rotary compressor with accessories etc. duly connected separately erected evaporating unit and blower motor with its accessories by means of extra supplied proper insulated copper tubing, drain PVC pipes suitable for ( cost includes Eco Friendly green gas charging and 15A plug top & Remote Control & MS Stand) with necessary core cutting.(1)For ISEER Range (KWH/KWH)(3.1 to 3.99) <b>(C) for 1.7 to 2 ton capacity.</b>	2.00	Each	51155.00	Rupees Fifty One Thousand One Hundred Fifty Five Only	102310.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
97	Executing All inclusive maintenance (service + Spare parts) contract for defect liability period as per tender Items & conditions. HVAC agency has to provide Four (04)(Dry Services and wet Services with water or Chemical as per site requirement ) services per year during Defect liability period. One copy of necessary service reports duly signed by concern police officer and No Defect certificate from police department at the time of releasing Security Deposit will be submitted to DEE(Elc.), GSPHCL. Agency has to compulsory <b>submit FDR of approved bank as per clause 2.0 section 3 <u>Rs.18668.00</u> +GST or quoted rate (asper tender premium % above) whichever is higher to G.S.P.H.C.L. for minimum maturity period of Five years in favour of G.S.P.H.C.L.,</b> which will be released after successful completion of AMC and at the completion of defect liability period. In any case without submitting FDR final bill submission will not be done.Without above service reports security deposit of whole project will not be released. (Agency has to submit stability and performance certificate regarding AC system from authorized dealer/OEM of AC) <b>for 1.7 ton to 2 ton capacity Inverter type split air-conditioning unit.</b>	2.00	Each	9334.00	Rupees Nine Thousand Three Hundred Thirty Four Only	18668.00
98	Supplying and erecting insulated pair of soft copper tubing open or concealed including power and control cable,necessary PVC drain pipes for Split AC machine up to 4 TR capacity	30.00	Rmt.	956.00	Rupees Nine Hundred Fifty Six Only	28680.00
99	SITC of Rigid UPVC drain pipe of 10 Kg/cm2.rating with 9 mm thick.nitrile rubber insulation.(E) 19 mm dia.	30.00	Rmt.	67.00	Rupees Sixty Seven Only	2010.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	in Words	
[1]	[2]	[3]	[4]	[5]a	5[b]	[6]
100	carry out RCC Core cutting- up to 100 mm dia./200mm thick Wall/beam/slab with providing PVC pipe of 3 mm thick inside and necessary finishing on both ends of wall .	4.00	Job	1188.00	Rupees One Thousand One Hundred Eighty Eight Only	4752.00
				<b>Total</b>	<b>Amounts Rs.</b>	<b>3585438.88</b>

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Contractors Signature

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