

## GUJARAT STATE POLICE HOUSING CORPORATION LTD. RAJKOT

**Name of Work :- Special Repair work to Barrack at Marine Task Force Commando Center at Naliya (Hothiwandh), Dist: Kutch .(Including Electrification)**

### **:: SCHEDULE B ::**

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

Approximate cost put to tender for

**Rs.**

**2015441.04**

**Sor - 2024/25**

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
1	Removing and 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 lead and lift.	814.00	Sqm.	19.69	Rupees Nineteen and Sixty Nine Paisa Only.	16027.66
2	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	400.00	Sqm.	48.63	Rupees Forty Eight and Sixty Three Paisa Only.	19452.00
3	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.	130.00	Sqm.	210.05	Rupees Two Hundred Ten and Five Paisa Only.	27306.50
4	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.	117.00	Sqm.	209.72	Rupees Two Hundred Nine and Seventy Two Paisa Only.	24537.24
5	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.	115.00	Sqm.	238.19	Rupees Two Hundred Thirty Eight and Nineteen Paisa Only.	27391.85
6	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 thick finishing coat of C.M. 1:1 ( 1 cement : 1 sand ) etc. Complete for any height.	454.00	Sqm.	312.56	Rupees Three Hundred Twelve and Fifty Six Paisa Only.	141902.24

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
7	Providing and fixing to wall ceiling and floor <b>U.PVC/S.W.R. soil waste pipe</b> with "O" ring of ISI13592/92, Rate inclusive of all fittings like single or double "Y" with door, reducer, coupler single T with door bend including GI Slotted Z patti(minimum 1.6 mm thick) with minimum 6mm dia.U Clamp with washer etc.complete and making good the wall ceiling and floor. <b>(A) 75mm dia</b>	108.00	Rmt.	256.81	Rupees Two Hundred Fifty Six and Eighty One Paise Only.	27735.48
8	Providing and fixing in position PVC COWEL VENT to pipe 75 mm dia directed.	8.00	No.	16.47	Rupees Sixteen and Forty Seven Paise Only.	131.76
9	Providing and fixing to wall ceiling and floor <b>U.PVC/S.W.R. soil waste pipe</b> with "O" ring of ISI13592/92, Rate inclusive of all fittings like single or double "Y" with door, reducer, coupler single T with door bend including GI Slotted Z patti(minimum 1.6 mm thick) with minimum 6mm dia.U Clamp with washer etc.complete and making good the wall ceiling and floor. <b>(B) 110mm dia</b>	36.00	Rmt.	485.22	Rupees Four Hundred Eighty Five and Twenty Two Paise Only.	17467.92
10	Providing and fixing in position PVC COWEL VENT to pipe 110 mm dia directed.	4.00	No.	28.16	Rupees Twenty Eight and Sixteen Paise Only.	112.64
11	Celling painting (two coats) with plastic emulsion paint on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth With Applying two coats of Fine Putty & One coats of primer on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth. paint, primer and putty shall be as per approved make list of GSPHCL	630.00	Sqm.	191.73	Rupees One Hundred Ninety One and Seventy Three Paise Only.	120789.90
12	Wall painting (two coats) with plastic emulsion paint on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth With Applying two coats of Fine Putty One Coat of Primer on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.paint, primer and putty shall be as per approved make list of GSPHCLS.	900.00	Sqm.	181.42	Rupees One Hundred Eighty One and Forty Two Paise Only.	163278.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
13	Finishing wall with Weather proof exterior emulsion paint on wall surface (Two Coat) over and above applying one coat of primer to give an required shape even shade after throughly Brushing This surface to remove all Dirt and remains of loose powder material etc. complete. Primer shall be exterior weather coat and Paint shall be Appex Weather Emulsion Only Paint and primer shall be as per approved make list of GSPHCL	1078.00	Sqm.	153.35	Rupees One Hundred Fifty Three and Thirty Five Paisa Only.	165311.30
14	Providing & Laying 24" x 24" vitrified 8 mm thick tile flooring over 20mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismantling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc.complete for antiskid. Brand of the tiles shall be as per approved make list of GSPHCL. Shade & Size of tiles shall be as specified in tender item.Size 600mm X 600mm	18.00	Sqm.	1453.19	Rupees One Thousand Four Hundred Fifty Three and Nineteen Paisa Only.	26157.42
15	Providing & laying Printed / Coloured GLAZED TILES 8 mm thick in skirting, risers of steps and DADO on 10mm thick cement plaster 1: 3 ( 1 cement : 3 coarse sand ) & jointed with white cement slurry.(300mm x 600mm)	126.00	Sqm.	1473.50	Rupees One Thousand Four Hundred Seventy Three and Fifty Paisa Only.	185661.00
16	Providing & Laying 24" x 24" Double Charge vitrified 8 to 10 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 ( 1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive including dismantling of existing flooring and material jointed with color cement slurry including finised with flush pointing & cleaning the surface etc.Completed Brand of the tiles shall be as per approved make list of GSPHCL. Shade & Size of tiles shall be as specified in tender item.	242.00	Sqm.	1724.00	Rupees One Thousand Seven Hundred Twenty Four Only	417208.00

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
17	Providing & Laying 24" x 24" in Skirting riser of steps and dado Double Charge vitrified 8 to 10 mm thick tile over 10 mm thick Cement plaster of cement mortar 1:3 (1 cement: 3 coarse sand) jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete Brand of the tiles shall be as per approved make list of GSPHCL. Shade & Size of tiles shall be as specified in tender item.	13.75	Sqm.	1445.20	Rupees One Thousand Four Hundred Forty Five and Twenty Paise Only.	19871.50
18	Providing & fixing to Concealed center point to wall, ceiling & floor CPVC ( SDR 13.5 ) PIPE having National Sanitation foundation ( NSF ) seal for potable water of following dia nominal bore tube fitting and including of GI Slotted Z patti(minimum 1.6 mm thick) with minimum 6mm dia.U Clamp with washer making good the wall ceiling & floor etc. Complete (excavation of earth in trenches and filling will be paid separately)[E] 40 mm	40.00	Rmt.	443.29	Rupees Four Hundred Forty Three and Twenty Nine Paise Only.	17731.60
19	Providing & fixing to Concealed center point to wall, ceiling & floor CPVC ( SDR 13.5 ) PIPE having National Sanitation foundation ( NSF ) seal for potable water of following dia nominal bore tube fitting and including of GI Slotted Z patti(minimum 1.6 mm thick) with minimum 6mm dia.U Clamp with washer making good the wall ceiling & floor etc. Complete (excavation of earth in trenches and filling will be paid separately)[D] 32 mm	32.00	Rmt.	334.89	Rupees Three Hundred Thirty Four and Eighty Nine Paise Only.	10716.48
20	Providing & fixing to Concealed center point to wall, ceiling & floor CPVC ( SDR 13.5 ) PIPE having National Sanitation foundation ( NSF ) seal for potable water of following dia nominal bore tube fitting and including of GI Slotted Z patti(minimum 1.6 mm thick) with minimum 6mm dia.U Clamp with washer making good the wall ceiling & floor etc. Complete (excavation of earth in trenches and filling will be paid separately)[B] 20 mm	42.00	Rmt.	206.73	Rupees Two Hundred Six and Seventy Three Paise Only.	8682.66
21	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 40 mm dia.	4.00	No.	656.86	Rupees Six Hundred Fifty Six and Eighty Six Paise Only.	2627.44

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
22	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 32 mm dia.	4.00	No.	311.61	Rupees Three Hundred Eleven and Sixty One Paisa Only.	1246.44
23	Providing & Fixing 15mm One way Bib Tap with Wall Flange. Rate are inclusive of all materials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Bib Tap Shall be as per the Approved Make List of GSPHCL.	28.00	No	990.61	Rupees Nine Hundred Ninety and Sixty One Paisa Only.	27737.08
24	Constructing brick masonry chamber for under ground C.I. Inspection chamber and bends with Brick having crushing strength not less than 35 Kg/Sq.cm.in cement mortar 1:5,RCC top slab with 1:3:6 in cement mortar 1:5 ( cover with 8 mm dia. steel @ 15 c/c and R.C.C. top slab with 1:2:4 mix ( 1 cement : 2 coarse sand, 4- stone aggregates 20mm nominal size) foundation concrete 1:5:10 inside laster 15 mm th. c:m 1:3 finished smooth with a floating coat of neat cement on walls & 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 below ground level (I) inside dimensions 455mm x 610mm and 450mm deep for Single or multi purpose pipe line. Rate Also Inclusive RCC Frame with cover MD 10 ton (Rubber mould Finish) Inner Size 600 x 450mm with all necessary fittings	6.00	Nos.	3793.18	Rupees Three Thousand Seven Hundred Ninety Three and Eighteen Paisa Only.	22759.08

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
25	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. (150mm ID Dia) Including Lowering, laying and jointing of class SN 8 structured wall ( External Annular Corrugated & Smooth Internal surface) Polyethylene Piping and fittings with the help of coupler ( on line / off line ) attached with one end of pipes, sliding over the elastomeric sealing rubber ring placed on the specified valley of the corrugation at the spigot end, lowering the same into the trench, laying on the lower bedding (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.	64.00	Rmt.	396.00	Rupees Three Hundred Ninety Six Only	25344.00
26	Providing and fixing solid PVC Flush Door shutter 24mm thick,made from Co-extruded three layer rigid PVC foam sheet(single Extruded) with density not less than 600kg/cbm outer layer (0.8-1mm)thick should be rigid PVC with density of not less than 1400kg/cbm. Door should be water proof,Termite proof ,fire retardant&having good screw holding capacity.proviidng and fixing 100% Solid Wood Plastic composite(WPC) Door Frame 90mmx45mm made from wood plastic composite(single Extruded Process)material with density 780kg/cbm .all as per specifications drawing as directed by the engineer in charge.	14.00	Sqm.	5013.24	Rupees Five Thousand Thirteen and Twenty Four Paisa Only.	70185.36
27	Removing & Refixing existing door or window with frame and shutter including making good the damaged details cost of removing door/wondow ,frames and shutter and stacking the same after repairs fixing the same including two coats of oil paint	73.00	Sqm.	321.78	Rupees Three Hundred Twenty One and Seventy Eight Paisa Only.	23489.94

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				Figure	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
28	Removing, providing and fixing <b>Bajri glass 4mm thick</b> bedded in putty and clips including cost of cutting glass removing old broken glass & stacking as directed.	13.00	Sqm.	708.92	Rupees Seven Hundred Eight and Ninety Two Paise Only.	9215.96
29	Providing & Fixing Single Hole Wash Basin with C.I or M.S. brackete & M. I . fisher union, P.V.C water pipe with Connection from Stop Cock to Pillar Tap,PVC Bottle Trap with connection 32mm dia. C.P. brassa waste coupling with Connection 32mm dia waste Pipe up to N.T etc. Complete. 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. Materials used for the above items Must be list approved by G.S.P.H.C.L.	3.00	No.	3935.33	Rupees Three Thousand Nine Hundred Thirty Five and Thirty Three Paise Only.	11805.99
30	Provinding and fixing 600mm x 450mm bevelled edge MIRROR of superior glass mounted on 6mm thick A.C. sheet or plywood sheet fixed to wooden plugs with C.P. brass screws & washers.	3.00	No.	850.90	Rupees Eight Hundred Fifty and Ninety Paise Only.	2552.70
				<b>Total Civil Amount Rs. (A)</b>		<b>1634437.14</b>
<b>ELECTRICAL WORK</b>						
31A	Providing and erecting <b>Point wiring</b> with approved 1.1 KV Grade ISI mark 2 X 1.5 sq.mm. copper FRLS PVC insulated wire with 1.5 mm2 copper FRLS PVC insulated wire for earth continuity in 25/32 white approved make press fit casing capping with double locking arrangement with grooves, trunking of size not below 10/12 mm in height IS:14927 ISI Part –II and with approved make white accessories like inside and outside coupler, elbow, tee, junction boxes etc. Also not below 1.8 mm thick duly sealed at joinst and 6 A. <b>Modular type switch / bell push &amp; accessories</b> and earth continuity of following type, erected on PVC / Acrylic box, single mounting base frame covered with textured / metallic / white front plate modules erected / flushed on wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector (make & model approved by EIC and matching colour with switches accessories) as directed. <b>For Open wiring. For Light point. Cat-II</b>	115.00	Point	425.00	Rupees Four Hundred Twenty Five Only	48875.00

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
	[Length of point wiring must not increase than 10 mtr. For that necessary switch board and their location must be finalised before execution by agency otherwise payment will not be done for extra long point. For future extention, if required, agency has to erect one higher size box as per instruction of EIC & Wire must be having box packing].					
31B	<b>For Fan Point (with 6 A. Modular type switch and two module hum free EME Five step type Electronic fan regulator both having ISI mark) Cat.-II</b>	40.00	Point	612.00	Rupees Six Hundred Twelve Only	24480.00
31C	<b>For separate Point</b> (with 6 Amp. Switch & 3/5 pin socket both having ISI mark) <b>Cat.-II</b>	12.00	Point	455.00	Rupees Four Hundred Fifty Five Only	5460.00
31D	<b>For Looped on switch board</b> (with 6 Amp.Switch & 3/5 pin socket both having ISI mark) <b>Cat.-II.</b>	30.00	Point	234.00	Rupees Two Hundred Thirty Four Only	7020.00
32A	Providing and erecting <b>Medium Class FIA approved and ISI mark white colour (embossed) RIGID PVC PIPES</b> of following size complete erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & clamps on / in wall / ceiling along with continuous fish wire to draw mains with necessary fittings and junction boxes for following dia. <b>(a) 20 mm. dia.</b>	100.00	Mtr.	24.00	Rupees Twenty Four Only	2400.00
32B	25 mm dia.	50.00	Mtr.	33.00	Rupees Thirty Three Only	1650.00
33A	<b>Mains</b> with FRLS PVC Insulated wire in existing FIA approved ISI mark medium class 20 mm dia. white colour embossed rigid PVC pipe with PVC fitting fixed with adhesive solution erected / flushed on wall / ceiling along with continuous G.I. fish wire to draw wires and laid in approved manner complete with FRLS PVC insulated wire for earth continuity. (Approved ISI make only) [a] <b>2 x 1.5 sq.mm. FRLS copper multi stranded conductor mains</b> with 1.5 sq.mm. FRLS copper multi stranded conductor earthing as per standard colour code. [From MCBDB to lighting Switch board power supply]	250.00	Mtr.	62.00	Rupees Sixty Two Only	15500.00



Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
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[1]	[2]	[3]	[4]	[5]	[6]	[7]
33B	<b>2 X 6.0 sq.mm.</b> FRLS copper multi stranded conductor mains with 2.5 sq. mm FRLS copper multi stranded conductor earthing as per standard colour code.	200.00	Mtr.	146.00	Rupees One Hundred Fourty Six Only	29200.00
34	Providing & fixing <b>20 mm. dia. PVC insulated G.I. corrugated Flexible pipe</b> with necessary socket, PVC bushes saddle, Check-nuts etc. complete of following sizes.	70.00	Mtr.	36.52	Rupees Thirty Six and Paise Fifty Two Only	2556.40
35	<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 Swich and accessories mounted in 20 G. GI company fabricated metallic box covered with appropriate front plate modules erected flushed with wall. <b>(a) 16 Amp. Indicator switch &amp; 1 No. 6/16 A universal socket white colour suitable for 3/5 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>For Open Wiring Cat.-II. (Conductor resistance should be as per IS:8130/1984)</b>	14.00	Point	678.00	Rupees Six Hundred Seventy Eight Only	9492.00

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
36	<p>Providing &amp; Erecting <b>2.0 mtr. long Earthing system</b> by making minimum bore of 225 mm dia. in soft soil. Suitable for doing pipe-in-pipe technology earthing. Earthing electric rod must be made from Corrosion free hot dip galvanizing pipes having following specification.</p> <p>(A) Earthing Electrode: outer Pipe: - 88 mm minimum O.D. Class ISI mark of Reputed Brand, Inner pipe: - 42 mm minimum O.D., Pipe B Class ISI mark reputed Brand. Terminal Size: 70 mm X 100 mm length, Terminal should be made from inner pipe for that pipe must be pressed and gave rectangular shape so its work as a terminal. The hot deep galvanising must be done after above process. Galvanised thickness must be minimum 75 micron anywhere. SS Nut bolt:- 2 nos. with washer suitable for 14 mm dia. hole must be provided at terminal. Total minimum Weight (approx.) of earth electrode with inside conductive material be 26 kg.</p> <p>(B) Inner chemical (CCM Compound):- Resistivity:- 0.2 ohm/ meter testing as per IEC 62561-2017, Voltage drop:- &lt; 1 volt at no load &amp; dry form, Sulphur content:- &lt;2%</p> <p>(C) Back fill Compound:- Earthing compound should be capable to retain moisture for long time. Back Filling Compound weight is 50 Kg.</p>	2.00	Each	7025.00	Rupees Seven Thousand Twenty Five Only	14050.00

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	(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. Necessary test report must be submitted. 1. Short circuit test by ERDA/ CPRI for 25KA 2. Resistivity test of conducting material from NABL accredited lab. 3. Hot dip galvanised / zinc coating micro test from reputed laboratory. 4. General test report from OEM regarding specification of earthing. {Approved Make:- Sulah safe solution, Ashlok, Galexy, Indelec, Yansi earthlid} (Strictly subject to item specification only) OEM has to submit all detail & 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 & voltage between neutral & Earthing upto 02 volt. Agency has to maintain earthing & its value for one year. Earthing must be done in the presence of A.E. (GSPHCL)					
37	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)	2.00	Each	276.00	Rupees Two Hundred Seventy Six Only	552.00

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
38	<p>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:</p> <p>(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 &amp; Reverse Polarity Protection must be provided            (Q) Fixing clamp design &amp; strength should be sufficient to hold the fitting erected on wall or ceiling.            (R) 3 core copper wire of appropriate size with earthing connector            (Note:-The manufacturer/ authorized Channel partner of the manufacturer has to submit 5 yrs free replacement Guarantee for complete Fixture) [Approval will be given strictly subject to item specification</p>	85.00	Each	370.00	Rupees Three Hundred Seventy Only	31450.00
39	SITC of <b>3 W LED Lamps</b> integral type, cool white with PC diffuser suitable for B22 Lamp holder	20.00	Each	69.00	Rupees Sixty Nine Only	1380.00
40	SITC of <b>8 W LED Lamps</b> integral type, cool white with PC diffuser suitable for B22 Lamp holder	45.00	Each	111.00	Rupees One Hundred Eleven Only	4995.00

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				Figure	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
41	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 safety wire with ceiling fan and checked with EIC) (OEM has to approved model as per tender specification and tested at ERDA) (Necessary test reports should be submitted strictly at the time of approval. Sample approved by EIC subject to above specification only)	55.00	Each	1929.00	Rupees One Thousand Nine Hundred Twenty Nine Only	106095.00

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
42	<p>Providing and erecting approved make <b>single phase Double Door metal clad D.B.</b> as per relevant Indian standards amended upto date.</p> <p>Supplying and fixing following way <b>single phase MCB distribution board</b> of company fabricated sheet box with powder coated inside and outside after apply seven tank chemical process of CRCA sheet cover complete with suitable integral single piece construction tinned copper busbar and link with all necessary interconnection and with necessary size MS frame for mounting MCBDB. MCBDB Door, Back side and Body of MCBDB must be made of 1.2 mm thick CRCA Sheet. Manufacturer must be provided (1) IP 43 and as per IS:8623-1 &amp; 3, IEC 61439-1 &amp; 3 having D type PU gasket. (2) Seven tank Powder coating Certificate (3) Tinned Copper/Brass make neutral &amp; Earthing link with isolation &amp; Protecting Cover for 240 Volts on surface / recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, with suitable size FRLS PVC insulated copper conductor up to terminal blocks and internal connection, tinned copper bus bar, 1 no. tinned copper neutral link, tinned copper earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc.</p> <p>Single phase incoming and horizontal single phase outgoing.</p>	5.00	Each	4906.00	Rupees Four Thousand Nine Hundred Six Only	24530.00
	<p>For 12 Way MCBDB: Including 1 no. 40 Amp. 30 mA double pole ELCB (ELCB confirming to IS:12640/1988 having sensitivity of 30 mA and breaking capacity of 10 KA), 1 no. MCB 40 Amp. double pole switch (C curve confirms to IS:8828 having breaking capacity of 10 KA) and S.P. MCB of rating 6 to 32 Amp. with NL suitable to operate on 240 Volt A.C. power. (6 Amp:- 3 Nos., 16 Amp:- 3 Nos. &amp; 25 Amp: 2 Nos.)</p> <p>(The DBs should be used of same company of MCB / ELCB to be used)</p> <p>(MCBDB must be erected in line &amp; level with spirit level and finish the external edge with box cutting plaster) (Same colour MCB(SP/DP) should be used as same as MCBDB) [Including Necessary numbering / marking on box done with red colour radium sticker as per site requirement and instructions given by EIC on site. Font / number size given by EIC on site as per requirement]</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
43	<p>Providing and erecting approved make <b>single phase Double Door metal clad D.B.</b> as per relevant Indian standards amended upto date.</p> <p>Supplying and fixing following way <b>single phase MCB distribution board</b> of company fabricated sheet box with powder coated inside and outside after apply seven tank chemical process of CRCA sheet cover complete with suitable integral single piece construction tinned copper busbar and link with all necessary interconnection and with necessary size MS frame for mounting MCBDB. MCBDB Door, Back side and Body of MCBDB must be made of 1.2 mm thick CRCA Sheet. Manufacturer must be provided (1) IP 43 and as per IS:8623-1 &amp; 3, IEC 61439-1 &amp; 3 having D type PU gasket. (2) Seven tank Powder coating Certificate (3) Tinned Copper/Brass make neutral &amp; Earthing link with isolation &amp; Protecting Cover for 240 Volts on surface / recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, with suitable size FRLS PVC insulated copper conductor up to terminal blocks and internal connection, tinned copper bus bar, 1 no. tinned copper neutral link, tinned copper earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc.</p> <p>Single phase incoming and horizontal single phase outgoing.</p>	1.00	Each	3639.00	Rupees Three Thousand Six Hundred Thirty Nine Only	3639.00
	<p>For 6 Way MCBDB: Including 1 no. 40 Amp. 30 mA double pole ELCB (ELCB confirming to IS:12640/1988 having sensitivity of 30 mA and breaking capacity of 10 KA), 1 no. MCB 40 Amp. double pole switch (C curve confirms to IS:8828 having breaking capacity of 10 KA) and S.P. MCB of rating 6 to 32 Amp. with NL suitable to operate on 240 Volt A.C. power. (6 Amp to 25 amp.- 2 Nos.)</p> <p>(The DBs should be used of same company of MCB / ELCB to be used) (MCBDB must be erected in line &amp; level with spirit level and finish the external edge with box cutting plaster) (Same colour MCB(SP/DP) should be used as same as MCBDB) [Including Necessary numbering / marking on box done with red colour radium sticker as per site requirement and instructions given by EIC on site. Font / number size given by EIC on site as per requirement]</p>					

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
44	Providing and Erecting Approved make ISI mark ELCB confirming to IS:12640/1988 having serial number printed on it and having sensitivity of 30 mA and breaking capacity of 10 KA and suitable for 240 V, 50 Hz having characteristic of quick acting & Tripping with all advance feature & do not incorporate any electronic component (mounted in MCBDB) Suitable for operation on single phase 240 Volt max rating of (i) For <b>40 Amp. DP</b>	1.00	Each	2213.00	Rupees Two Thousand Two Hundred Thirteen Only	2213.00
45	<b>Providing &amp; Erecting 3 mm thick acrylic Sheet with grooving as directed</b>	4000.00	Sq. Inch	3.00	Rupees Three Only	12000.00
46	<b>Providing 2.5 mm.thick laminated acrylic sheet to cover the fan hook or Fan box.</b>	60.00	Each	18.00	Rupees Eighteen Only	1080.00
47	Providing, erecting, Fabricating the <b>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.	25.00	kg	75.10	Rupees Seventy Five and Paisa Ten Only	1877.50
48	Supplying & erecting <b>12 mm thick bakelite sheet</b> of approved make and grade on existing 25 x 25 x 3 mm red oxide painted angle iron frame suitable for fixing ICDP SWITCH and energy meter (contractor shall make approved drawing of Bakelite sheet To arrange required No. of Energy meter & ICDP switch-busbar etc. as per Actual space available in electrical room at site)	2.00	Sq. Mtr.	2289.00	Rupees Two Thousand Two Hundred Eighty Nine Only	4578.00
49	Providing & erecting <b>Medium Voltage Danger Notice Board</b> sticker as per language suggested by engineer incharge of standard size as per IS-2551	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]	[6]	[7]
50	Providing & erecting 240 V <b>MCB Double pole switch</b> for M & I 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	276.00	Rupees Two Hundred Seventy Six Only	1932.00
51	Providing & erecting <b>415 V MCB Four Pole</b> for Motor & Inductive Load ( <b>C Curve</b> ) having 10KA breaking capacity & confirms to IS:8828 in existing box having following capacity. <b>For 63 Amp.</b>	2.00	Each	730.00	Rupees Seven Hundred Thirty Only	1460.00
52A	Supplying & fixing <b>box for housing RCCB + MCB</b> 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] <b>For 2 pole</b>	9.00	Each	272.00	Rupees Two Hundred Seventy Two Only	2448.00
52B	<b>For 4 pole</b>	2.00	Each	442.00	Rupees Four Hundred Fourty Two Only	884.00
53	Providing and erecting <b>busbar chamber</b> confirming to IS-375 fabricated from 16 GMS sheet dust & vermin proof having hinged door with rubber gasket and necessary busbar supports with copper busbar having current density not more than 1.6 amp/sqmm (Rated current per Cross Section area) duly wired with colour insulating tape for phase sequence, three phase & neutral Each equal & one meter long suitable for following current capacity with necessary painting mounted on wall or pedestal frame of required size with necessary incoming and outgoing connections with proper size of copper strip/wire with lugs as directed. <b>Suitable for 100 Amp.</b> capacity	0.50	Rmt	4378.00	Rupees Four Thousand Three Hundred Seventy Eight Only	2189.00
54A	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>[e] One wire 6.00 sq. mm [For Meter to DPMCB Connection]</b>	100.00	Mtr.	56.00	Rupees Fifty Six Only	5600.00

Sr. No.	Description	Qty	Unit	Estimated Amount		Amount
				Figure	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
54B	For One wire 16.00 sq. mm [For Earthing ]	80.00	Mtr.	141.00	Rupees One Hundred Fourty One Only	11280.00
				Total Electrical Amount Rs. (B)		381003.90
				Total Amount (A + B)		2015441.04

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Signature of the Contractor

I/C Executive Engineer,  
GSPHC Ltd Rajkot