

GUJARAT STATE POLICE HOUSING CORPORATION LIMITED, RAJKOT

**Name of Work:- Special Repairs to Office Of The Assistant Director, Anti Corruption Bureau Border Unit at Bhuj , Dist :-
Kutch.(Including Electrification work)**

Schedule-B

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

Cost put to Tender for Rs. 401929.78						
Item No.	Description of Item	Total Quantity	Unit	Quated Rate in		Total Amount Rs.
				Rate Rs.	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
(A)	CIVIL WORK:					
1	Dismantling santtary fittings like wash basin . W.C. pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift.	7.00	Each.	410.13	Rupees Four Hundred Ten and Paisa Thirteen Only	2870.91
2	Dismantaling tiled of stone floors laid in mortar including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.	37.50	Smt.	48.63	Rupees Forty Eight and Paisa Sixty Three Only	1823.63
3	Providing and Laying integrated cement based proprietary water proofing treatment of required thick- ness over the roof including Providing and Applying water proofing layer of acrylic modified cementa tion composite coating system in two coats. 1st coat shall be acrylic polymer and cement and second coat shall be of acrylic polymer, cement and silica sand. The application of both the coats shall be as per manufacture's manual at terrace. and 10 mm thick water proofing cement plaster in C.M. 1:3 and china mosaic fitting and finally finishing the surface with white cement slurry including treating the vertical surface of the parapet wall up to 20cms height above finished level of terracing including finishing the top with joint less water proofing plaster, curing, testing etc. complete. Rate including ten years performance of guarantee bond to be given on Rs.50/- stamp paper. (No extra shall be paid for variation in thickness.) (a) Applying two coats of Acrylic based polymer of approved brand & manufacture as per recomodation of manufacturer over the R.C.C. Slab incl. clearing the surface before treatment.(b) Finishing the surface with China Mosaic pieces laid on 10mm thick joint less cement mortar of mix 1:3 (1 cement : 3 coarse sand) admixed with proprietary water proofing compound conforming to IS :2645 and finally finishing the surface with trowel with neat cement slurry. (c)The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing for final test.All above operations to be done in order and as directed and specified by the engineer - in - charge.	37.50	Smt.	565.09	Rupees Five Hundred Sixty Five and Paisa Nine Only	21190.88
4	Providing , Fabricating and fixing M.S. GRILL/GATE of approved pattern fabricated from M.S. flat,square bars, round bars,c-channel, box pipe as per detail Drawings. Rate is inclusive of welding with grinding smooth surface, two coats of Oil paint and one coat of yellow Zinc primer coat of approved brand only. Oil paint shall be Luxol Enamel paint of Berger Paint india limited. or asian paint apcolite premium gloss Enamel of asian paint or Dulux premium gloss enamel of dulux paint only structural steel shall be isi mark only	43.00	Kg.	75.10	Rupees Seventy Five and Paisa Ten Only	3229.30

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
5	Providing and fixing 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 fittings and clamps including making good the wall, ceiling and floor etc. complete.[A] 40 mm.	10.00	Rmt	443.29	Rupees Four Hundred Forty Three and Paisa Twenty Nine Only	4432.90
6	Providing and fixing to wall, ceiling and floor U.PVC SWR Soil Waste Pipe with 'O' Ring 75 mm dia. of ISI 13592/92. Rate inclusive of All fittings like single or double 'Y' with door, reducer, coupler single 'T' with door bend, G.I. Slotted Z patti of 16 Gauge (minimum 1.60mm thick) and minimum 6mm dia. U Clamp with Washer Nut at every 1.50mt. vertical distance including All Labour Charges etc. complete and making good the Wall, Ceiling and Floor.(B Type Pipe)	17.50	Rmt	245.74	Rupees Two Hundred Forty Five and Paisa Seventy Four Only	4300.45
7	Providing and fixing in position PVC Cowelvent to pipe 75 mm dia as directed. Joints shall be sealed by pipe sealant.	5.00	No.	16.47	Rupees Sixteen and Paisa Forty Seven Only	82.35
8	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 40 mm dia.	1.00	No.	656.86	Rupees Six Hundred Fifty Six and Paisa Eighty Six Only	656.86
9	Providing and fixing in positon ISI marked Rotational moulded Polyethylene double layer cylindrical vertical storage tank (IS : 12701) water tank size including making inlet and outlet. Overflow and wash out arrangement with GI connection including using necessary M H for connection etc. Complete with closed cover including applying two coats of oil painting outside the tank etc complete.	2000.00	Ltr.	3.91	Rupees Three and Paisa Ninety One Only	7820.00
10	Providing & Fixing Urinal with P.V.C water pipe, 32mm dia. C.P. brass waste coupling with Connection 32mm dia waste Pipe etc. Complete. Rate are inclusive of all materials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Urinal Shall be as per the Approved Make List of GSPHCL.	2.00	No.	2292.50	Rupees Two Thousand Two Hundred Ninety Two and Paisa Fifty Only	4585.00
11	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. brass waste coupling with Connection 32mm dia waste Pipe up to N.T etc. Complete. Rate are inclusive of all materials, Labour & Necessary Fittings etc. Complet as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. Materials used for the above items Must be list approved by G.S.P.H.C.L.	5.00	No.	3770.44	Rupees Three Thousand Seven Hundred Seventy and Paisa Fourty Four Only	18852.20
12	Providing & Fixing Towel Ring. Rate are inclusive of all materials, Labour & Necessary Fittings etc. Complet as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. Materials used for the above items Must be list approved by G.S.P.H.C.L.	5.00	No.	958.79	Rupees Nine Hundred Fifty Eight and Paisa Seventy Nine Only	4793.95

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[1]	[2]	[3]	[4]	[5]	[6]	[7]
13	Providing & Fixing Wall Mounted Sink Cock with Extended Swivel Spout & Wall Flange . Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Sink Cock Shall be as per the Approved Make List of GSPHCL.	1.00	No.	1521.63	Rupees One Thousand Five Hundred Twenty One and Paisa Sixty Three Only	1521.63
14	Providing and fixing CPVC SWR Nahni Trap of the following nominal dia. Self cleaning design with top jali and stainer including cost of cutting and making good the walls and floors 100mm inlet and 50mm outlet. Including 150mm x 150mm stainless steel jali.	7.00	No.	350.00	Rupees Three Hundred Fifty Only	2450.00
15	Providing & Fixing Shower with Arm. Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Shower with Arm Shall be as per the Approved Make List of GSPHCL.	3.00	No.	1008.65	Rupees One Thousand Eight and Paisa Sixty Five Only	3025.95
16	Providing & Fixing Angle Cock with Wall Flange . Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complete as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. The Model & Make of Angle Cock Shall be as per the Approved Make List of GSPHCL.	4.00	No.	750.62	Rupees Seven Hundred Fifty and Paisa Sixty Two Only	3002.48
17	Providing & Fixing Health Faucets (ABS Body). Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complet as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. Materials used for the above items Must be list approved by G.S.P.H.C.L.	5.00	No.	635.51	Rupees Six Hundred Thirty Five and Paisa Fifty One Only	3177.55
18	Providing & Fixing 15mm One way Bib Tap with Wall Flange. Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complet as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. Materials used for the above items Must be list approved by G.S.P.H.C.L.	4.00	No.	1130.52	Rupees One Thosand One Hundred Thirty and Paisa Fifty Two Only	4522.08
19	Providing & Fixing 15mm Two way Bib Tap with Wall Flange. Rate are inclusive of all matreials, Labour & Necessary Fittings etc. Complet as per Detailed Drawings, Specifications and as per the Instruction of Engineer In charge. Materials used for the above items Must be list approved by G.S.P.H.C.L.	5.00	No.	1496.39	Rupees One Thosand Four Hundred Ninty Six and Paisa Thirty Nine Only	7481.95
20	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(iii) 25 mm dia.	5.00	No.	261.16	Rupees Two Hundred Sixty One and Paisa Sixteen Only	1305.80
21	Providing and fixing fire extiguishing grade FRP Fiber Glass reinforced sheet thickness of 3mm avg. On roof with gel coat of required colour and desing and sheet to be water proof weather proof and mild acid / alkali resistance including fixing with clamps bolts nuts etc.complete	89.00	Smt.	1012.30	Rupees One Thousand Twelve and Paisa Thirty Only	90094.70

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22	Constructing brick masnory 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 with1:3:6 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 cocrete 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	5.00	No.	3793.18	Rupees Three Thousand Seven Hundred Ninty Three and Paisa Eighteen Only	18965.90
23	Providing and Fixing S.W. Gully trap without C.I.grating brick masonry chamber & water tight C.I.cover frame of 300mm x 300mm size (inside) with standard weight (I) square mouth trap 150mm x 100mm size of 'P' or 'S' type.	3.00	No.	1176.94	Rupees One Thousand One Hundred Seventy Six and Paisa Ninty Four Only	3530.82
					Total AmountA	213717.28
	Elecatical Work:-					
24A	Providing & erecting Point wiring with 1.1 KV grade ISI marked 2 X 1.5 sq. mm copper PVC insulted FRLS wire with 1.5 sq. mm (green) copper PVC insulated FRLS wire for earth continuity in exisiting 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 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 as directed for concealed wiring. Light point. Cat.-II.	10.00	Point	345.00	Rupees Three Hundred Fourty Five Only	3450.00
	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) [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 without any gap] [conductor resistance should be as per IS:8130/1984]					
24B	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 [conductor resistance should be as per IS:8130/1984]	2.00	Point	499.00	Rupees Four Hundred Ninety Nine Only	998.00

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25	Supplying & erecting UPVC Mini trunking (PVC Casing-n-Caping) having double-locking arrangement with grooves, trunking of size not below 12.5 mm in height as per IS with accessories of PVC/Resin polypropylene not below 1.8 mm thick duly sealed in joint & erected on wall / ceiling of following size. For 25 mm	100.00	Mtr.	30.00	Rupees Thirty Only	3000.00
26	Providing and erecting Medium Class FIA approved and ISI mark white colour (embossed) RIGID PVC PIPES 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. (a) 20 mm. dia.	30.00	Mtr.	23.00	Rupees Twenty Three Only	690.00
27A	Providing and laying Mains with FRLS PVC Insulated wire ISI marked 1.1 KV grade in exisitng 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 complete with FRLS PVC insulated wire for earth continuity. (Approved ISI make only) [a] 2 x 1.5 sq.mm. FRLS copper multi stranded conductor mains with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code. (Conductor resistance should be as per IS:8130/1984)	80.00	Mtr.	44.00	Rupees Fourty Four Only	3520.00
27B	2 x 2.5 sq.mm. FRLS copper multi stranded conductor mains with 1.5 sq.mm. FRLS copper multi stranded conductor for earthing as per standard colour code.(In Existing Pipe) (Conductor resistance should be as per IS:8130/1984)	40.00	Mtr.	59.00	Rupees Fifty Nine Only	2360.00
28	Providing & fixing 20 mm. dia. PVC insulated G.I. corrugated Flexible pipe with necessary socket, PVC bushes saddle, Check-nuts etc. complete of following sizes.	10.00	Mtr.	30.95	Rupees Thirty and Paisa Ninety Five Only	309.50

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29	<p>Providing & Erecting 2.0 mtr long Earthing system by making minimum bore of 225 mm dia in soft soil. Suitable for doing pipe-in-pipe technology earthing. Earthing electric rod must be made from Corrosion free Hot dip galvanizing pipes having following specification.</p> <p>(A) Earthing Electrode: outerpipeline:- 88 mm minimum O.D., ISI 'B ' Class ISI mark of Reputed Brand, Inner pipe:- 42 mm minimum O.D., Pipe B Class ISI mark reputed Brand Terminal Size: 70mm X 100mm length, Terminal Should be made from inner pipe for that pipe must be pressed and gave rectangular shape so its work as a terminal. The hot deep galvanising must be done after above process. Galvanised thickness must be minimum 75 micron any where. SS Nut bolt:- 2 no. with washer suitable for 14mm dia. hole must be provided at terminal. total minimum Weight (approx.) of earth electrode with inside conductive material minimum should be 26 kg.</p> <p>(B) Inner chemical (CCM Compound)- Resistivity:- 0.2 ohm/meter testing as per IEC 62561-2017, Voltage drop:- < 1 volt at no load & dry form, Sulphur content:- <2%</p> <p>(C) Back fill Compound:- Earthing compound should be capable to retain moisture for long time Back Filling Compound weight is 25 Kg.</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>	1.00	Each	7025.00	Rupees Seven Thousand Twenty Five Only	7025.00
	<p>Necessary test report must be submitted.</p> <ol style="list-style-type: none"> Short circuit test by ERDA/ CPRI for 25KA Resistivity test of conducting material from NABL accredited lab. Hot dip galvanised / zinc coating micro test from reputed laboratory. General test report from OEM regarding specification of earthing. <p>[Make and model approved by EIC Strictly subject to item specification only] [OEM has to submit all detail & sample for approved before supplying]</p> <p>[Water must be poured in bore before starting earthing. Earthing value must be measured with earth tester. Agency has to bring the earth resistance to at least 02 ohms & voltage between neutral & Earthing upto 02 volt. Agency has to maintain earthing & its value for one year. Earthing must be done in the presence of A.E. (GSPHCL)]</p>					
30	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)	1.00	Each	276.00	Rupees Two Hundred Seventy Six Only	276.00
31	Providing & erecting Switch board for Computer or electric apparatus consisting of following items in single board erected on Metal board with 3 mm thick PC (Polycarbonet) / Acrylic sheet erected as directed. 2 no. 6/16 Amp. universal Socket, 2 nos. 16 Amp. indicator switch, 2 nos. 6 Amp. Switch & 2 nos. 6 Amp. 5 pin Plug. For Computer power Supply board. Cat.-II.	2.00	Each	977.00	Rupees Nine Hundred Seventy Seven Only	1954.00

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32	Providing and erecting following type of Modular Type Accessories mounted with 20 G company fabricated metalic box, single mounting base frame covered with textured / metallic front plate, modules erected with necessary connection. As desired by Engineer in charge. Electronic hum Free steps EME Fan regulator	3.00	Each	322.00	Rupees Three Hundred Twenty Two Only	966.00
33A	Providing & erecting following type of Modular Type Accessories with necessary connection. As desired by Engineer In charge. (1) 6 Amp. SP one way switch, Cat.-II	20.00	Each	26.00	Rupees Twenty Six Only	520.00
33B	16 Amp. SP one way switch, Cat.-II	2.00	Each	49.00	Rupees Fourty Nine Only	98.00
33C	6/16Amp. Universal socket, Cat.-II	2.00	Each	78.00	Rupees Seventy Eight Only	156.00
33D	6 A socket, Cat.-II	10.00	Each	40.00	Rupees Fourty Only	400.00
34	Supplying & erecting LED indoor fitting of approximately 4 feet long with LED of wattage 0.2W to 0.5W assemble on single MCPCB with housing use as a heat sink shall be made from Aluminum exttusion having enough strength (Sample must be approved by EIC) With Polycarbonate diffuser With Following Specification (1) Company Mark/Name on the Fitting (2) Rated input voltage and frequency 220V to 240 VAC, 50Hz (3) Rated input wattage max 24 W (4) Rated input current ; 0.2 Amp. (5) Power Factor : Min.0.90 (6) ATHD : Max. 15% (7) Rated Luminous flux : Min. 2420 lm (8) CCT : 6500 K (9) CRI : Min/ 80 Ra (10) Driver Efficiency : min. 80% (11) LED life span : Min. 50000 Hrs @ L70 (12) Over Voltage Protection : Withstand up to 440 V/AC for 4 Hrs. (13) Surge Protection : Min.2 KV (14) IP rating : IP 20 (15) IK rating : IK 02 (16) Short circuit, Open Circuit & Reverse Polarity must be provided (17) Fixing clamp design & strength should be sufficient to hold the fitting erected on wall or ceiling. (18) 3 core copper wire of appropriate size with earthing connector (Note:-The manufacturer/ authorized Channel partner of the manufacturer has to submit 4 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

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35	Providing, erecting, testing Ceiling Fan confirming to IS: 374/1979 AMDT No. 1 to 6 Class-I, 50 Hz. Specification of Ceiling Fan must be as per below. (1) Sweep: 1200 mm, (2) Operating Voltage: 180 to 230 V, (3) Power Factor: > 0.9, (4) Power Consumption: maximum 53W, (5) RPM: minimum 330, (6) Service value:min 4.3 m3/min. (7) Class of insulation: 'B', (8) No. of heavy duty premium quality Ball bearing: Two, (9) Total Body: Top & Bottom should be alluminium, (10) Blade: Aluminium approx 1.1 mm thick, (11) Colour: White high grade powder coating, (12) Canopy: Two Nos. Heavy duty, (13) Condenser: min 1.5 MFD (15% Tolerance) as per is 1709-1984, Aluminium body premium quality, Branded make,(14) Down road: up to 1.0 mtr as per site requirment, (15) Required fixing accessories, (16) 3 core 0.75 sq.mm ISI wire as per site requirment, (17) No vibration and noise due to mechanical parts. (Agency has to erect safety wire with ceiling fan and checked with EIC) (OEM has to approved model as per tender specification and tested at ERDA) (Necessary test reports should be submitted strictly at the time of approval. Sample approved by EIC subject to above specification only)	2.00	Each	1929.00	Rupees One Thousand Nine Hundred Twenty Nine Only	3858.00
36	Supplying and erecting KITKAT pattern porcelain cutout with base of following current capacity erected on existing block board. (v) 100 A. 500 V.	3.00	Each	276.00	Rupees Two Hundred Seventy Six Only	828.00
37	Providing and Erecting of Miniature circuit breaker single pole 6 Amp. to 25 Amp. suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark	12.00	Each	111.00	Rupees One Hundred Eleven Only	1332.00
38	Providing & erecting 240 V MCB Double pole switch for Motor & Inductive load (C curve) having 10 KA breaking capacity & confirms to IS:8828 in Existing M.S. box having following capacity. For 40 Amp. DP	4.00	Each	327.00	Rupees Three Hundred Twenty Seven Only	1308.00
39	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity [c] 63 Amp. FP	1.00	Each	730.00	Rupees Seven Hundred Thirty Only	730.00
40	Providing and Erecting Approved make ISI mark ELCB confirming to IS:12640/1988 having serial number printed on it and having sensitivity of 30 mA and breaking capacity of 10 KA and suitable for 240 V, 50 Hz having characteristic of quick acting & Tripping with all advance feature & do not incorporate any electronic component (mounted in MCBDB) Suitable for operation on single phase 240 Volt max rating of (i) For 40 Amp. DP.	3.00	Each	2213.00	Rupees Two Thousand Two Hundred Thirteen Only	6639.00
41	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) 25 Amps.DP ELCB	1.00	Each	1950.00	Rupees One Thousand Nine Hundred Fifty Only	1950.00

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42A	Supplying & fixing box for housing RCCB + MCB combination made of 18 SWG sheet steel duly powder coated with gasket, dust & vermin proof bakelite shield two earthing terminals for following type of RCCB, RCCB + MCB [a] For 2 pole [Same company metal box used as MCB / ELCB used with earthing terminal with necessary Numbering / marking with oil Paint by painter]	5.00	Each	272.00	Rupees Two Hundred Seventy Two Only	1360.00
42B	For 4 Pole [Same company metal box used as MCB / ELCB used with earthing terminal with necessary Numbering / marking with oil Paint by painter]	1.00	Each	442.00	Rupees Four Hundred Fourty Two Only	442.00
43	Providing, erecting, Fabricating the M.S. structure as per requirement of site as per structure design Including proper size approved by EIC of M.S. angles, flats, bars, square pipe, channels, sections (Tata, Jindal, Asian, JSI Make) complete with cutting, welding, grinding and finishing duly painted with Asian/Nerolac make premium quality oil paint and true care red oxide metal primer,asian paint make with erection on site as per direction of engineer in charge with necessary grouting cementing, plastering and finishing complete. All hole opening of square pipe end must be closed with M.S plate welding. Payment will be done on KG as per Actual weight.	10.00	Kg.	77.00	Rupees Seventy Seven Only	770.00
44	Providing & erecting bracket consisting of ISI mark "B" class G.I. Pipe 4.2 cm outside diameter complete with suitable G.I. Sleeve tubing of 2 mm. thick and required size and length suitable for 76.5 / 80 mm. required size of pole top or pipe in pipe surface for terrace as per instruction of EIC or wall bracket as per instruction of EIC having nuts and bolts for fixing the brackets and having spread of Upto 0.50 mtr. length with suitable rise as per site condition and suitable welded stiffner reducer and nipple with check nut complete painted with one coat of yellow zinc and two coats of alluminium paint for Single arm bracket suitable for pole or terrace as per design given by EIC (a) For single arm bracket. (Jindal / Asian / Tata / Surya Prakash make Only) (Fabricators:- Bajaj, Valmont, Transrail, Ambica Only) (Test certificate to be submitted)	6.00	Each	487.00	Rupees Four Hundred Eighty Seven Only	2922.00

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45	Providing and Fixing SITC of Outdoor aesthetically designed LED Street Light Luminaire with total consumption of Max. 45 W with single piece die cast aluminium housing, high power LED shall be mounted on high quality metal core PCB with extremely precision designed heat sink complete with IP66 protection Class with polycarbonate / toughened glass cover the fixture should be suitable for pole/bracket mounting. The fixture to comply both LM79 and LM 80 guidelines with LED module min. 130 lumen/watt with toughen Glass L70 at 50,000 hrs, provided with high quality polycarbonate lenses for better light distribution. The Fixture Should be able to be Pole Mounted and also bracket mounted, provided with high quality driver for protection against high and low Voltage cut Off, opertional for high amibient and high humid envirnomenets, THD of driver should be less than 10% and P.F > 0.95. Also the Fixture should meet the following technical criterias Oprating range Voltage 160 to 270 V, system efficiency >= 110 lm/w, and total lumens not less then 4950, CCT > 5000K, CRI > 65, beam angle 120 deg, surge immunity level at least 4 KV integral and 10 KV non integral	6.00	Each	3512.00	Rupees Three Thousand Five Hundred Twelve Only	21072.00
	The Separate Potted driver should have over current, over voltage protection, short circuit protection so that the fixture recovers once the fault is removed. In addition to the above product should be operational in the temperature range of 0 deg to 50 deg and humidity range of 10% to 90% RH. (Note:- The manufacturer / authorized Channel partner of the manufacturer has to submit 4yrs free replcement Guarantee for complete Fixture)					
46	Providing & erecting Flexible PVC insulated multistrand multicore 1.1 kv grade ISI marked copper wires of following size to be erected as directed. 3 core x 1.5 sq.mm. PVC insulated round copper wire ISI mark.	80.00	Mtr.	44.00	Rupees Forty Four Only	3520.00
47	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 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. For 4 core x 2.5 sq.mm.	50.00	Mtr.	267.00	Rupees Two Hundred Sixty Seven Only	13350.00
48	Providing & fixing double compressed heavy duty flange type brass cable gland with rubber ring for P V C insulated armoured cable complete with outgoing tails, insulating tape etc. For following size cables. For 2 to 4 core x 2.5/4.0 Sq. mm (Sigma, MCI, Comet Make Only)	5.00	Each	43.00	Rupees Forty Three Only	215.00
49	Providing & fixing Solderless crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. [a] 1.5/2.5 to 6 Sq.mm.	80.00	Each	8.00	Rupees Eight Only	640.00

Item No.	Description of Item	Total Quantity	Unit	Quated Rate in		Total Amount Rs.
				Rate Rs.	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
50	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. One wire 16.00 sq. mm	30.00	Mtr.	134.00	Rupees One Hundred Thirty Four Only	4020.00
51	Supplying and fixing radium sticker or Painting the number and words for inventory Identification on erected fittings / equipment's or Such accessories (MCBDB, Panel, Pole, Rack, Earthing, Pump, Door etc.) as may required with good quality of enamelled paint or fade proof, weather proof, waterproof high quality vinyl radium sticker for indoor / outdoor application as directed by engineer in charge. For one character 50 mm height. (The colour of sticker / paint should be as per instruction given by EIC as per site requirement)	50.00	Each	2.00	Rupees Two Only	100.00
52	Providing & Erecting 3 mm thick Polycarbonate (PC) sheet with grooving as directed	200.00	Sq. Inch	3.00	Rupees Three Only	600.00
53	Dismantling the existing light, fan, bell, independent plug point, wiring with mains of all types along with accessories etc. complete and handed over to dept.	50.00	Point	1.00	Rupees One Only	50.00
54	Dismantling the existing switchgears, DB and Busbar of any size complete with / without board or angle iron frame.	10.00	Each	8.00	Rupees Eight Only	80.00
55	S.I.T.C. of single phase submersible pump set suitable for 100 mm size or more dia bore well having motor capacity and discharge as under with necessary panel box. Lifting and Lowering taken extra (b) Motor rating 1.5 HP (16 stage) pump having capacity of 50 LPM at 60 mtr head suitable for 32 mm dia. delivery pipe	1.00	Each	17433.00	Rupees Seventeen Thousand Four Hundred Thirty Three Only	17433.00
56	Lifting of submersible motor pump set complete with required No .& size of casing pipes by means of proper chain pulley block and pipe. wrenches. Job includes stacking of pipes chronologically after due checking of threads (A) Up to 60 mtrs.	1.00	Per Job	1695.00	Rupees One Thousand Six Hundred Ninety Five Only	1695.00
57	Supplying & erecting approved make motor control cubical panel (Direct - on - line) made from 16 G. CRCA sheet duly epoxy powder painted inside and outside with hinged doors and locking, arrangement consisting of suitable size of ON- OFF isolator (AC - 3/23duty) main fuses, single phasing preventer, indicating lamps for R-Y-B phases, overload relay, Automatic water level controller, Ammeter, Voltmeter each with two way selector switch incoming, wires duly socket crimped, main contactor & overload relay, start - stop push buttons, to be erected on angle iron frame grouted on wall as directed. The isolator, overload relay & contactors will be of L & T, Siemens or BCH make only. (A) DOL Up to 5 HP.	1.00	Each	7646.00	Rupees Seven Thousand Six Hundred Forty Six Only	7646.00

Item No.	Description of Item	Total Quantity	Unit	Quated Rate in		Total Amount Rs.
				Rate Rs.	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
58	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. [c] 3 Core x 1.5 Sq. mm	80.00	Mtr.	65.00	Rupees Sixty Five Only	5200.00
59	Providing & fixing Water proof straight Joint in PVC insulated flat flexible copper cable by using insulating material, water proofing material, & making the joint complete. (A) Up to 10 Sq.mm	1.00	Each	220.00	Rupees Two Hundred Twenty Only	220.00
60	Supplying and erecting Heavy duty clamp made from 4" x 1.5" iron strip suitable for column pipe 1.5" to 2" length.(A) 40 mm (1.5") dia pipe	2.00	Each	143.00	Rupees One Hundred Forty Three Only	286.00
61	Providing & Erecting Bore well cap [a] Up to 200 mm dia.	1.00	Each	424.00	Rupees Four Hundred Twenty Four Only	424.00
62	Supplying of following size of STANDARD UPVC column pipe with coupler and wire lock [B] 32 mm dia (Ashirvad, Astral or equivalent make and model approved by EIC only with ISI mark)	60.00	RMT.	178.00	Rupees One Hundred Seventy Eight Only	10680.00
63	Supply of following size of TOP & BOTTOM accessories i.e. Adaptor set (CI) long, pump guard set, starter pipe Rubber ring for submersible pump & UPVC column pipe as directed by Engineer-in-charge with necessary plumbing as desired. [B] 32 mm dia	1.00	Per Set	458.00	Rupees Four Hundred Fifty Eight Only	458.00
64	Supplying and erecting Water tight M.S.Box of size 20 x 15 x 15 cms. to erect suitable kitkat fuse / MCB to be . erected on polished wooden board inside the box with hinged/sliding door with rubber rings and erected on pole with suitable pole clamp, all duly painted with one coat of red oxide and two coats of paints. (Cost of Fuse / MCB shall be taken extra)	1.00	Each	232.00	Rupees Two Hundred Thirty Two Only	232.00
65	SITC of 4 Zone Fire Alarm Control Panel , with 16X2 Character LCD Display, complies with UL - 864 and NFPA-72,Standards. Approval: UL-Listed Optional: 1) Provision to connect zone wise sounder (RE-25ZS) provided in a seperate cabinet. 2) Provision to connect zone wise relay (RE- 25ZC) provided in a seperate Cabinet 3) provision to connect repeater Panel through RS-485 with RE- RP Series. (Including Five year free maintenance with guarantee) [make and model approved by EIC as per specification) [Test certificate must be submitted]	1.00	Each	19321.00	Rupees Nineteen Thousand Three Hundred Twenty One Only	19321.00
66	SITC of ABS Manual Call Point with key – break / Re settable type. (Morley / GST/ Raval make and model approved by EIC as per specification) [Test certificate must be submitted]	2.00	Each	827.00	Rupees Eight Hundred Twenty Seven Only	1654.00
67	SITC of ABS Sounder - 24V, 95-105 db APPROVAL: CE Mark (Morley / GST/ Raval make and model approved by EIC as per specification) [Test certificate must be submitted]	2.00	Each	827.00	Rupees Eight Hundred Twenty Seven Only	1654.00

Item No.	Description of Item	Total Quantity	Unit	Quated Rate in		Total Amount Rs.
				Rate Rs.	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
68	Providing and laying Mains with ISI marked, 1.1 KV grade electrolyte multi stranded, annealed copper conductor with heat resistant PVC insulated conforms to IS:694, IEC - 227 erected in existing pipe of following size (Specifically for control panel, relays, power switchgears, motor starters & control wiring) with required size of copper lugs, nuts and bolts if required. For One wire 1.50 sq. mm	150.00	Mtr.	16.00	Rupees Sixteen Only	2400.00
69	Providing and fixing of ABC Type Store Pressure Fire Extinguisher Having capacity 6 kg Filled with Mono Ammonium Phosphate Powder 50% confirms to IS 4308, Stored Pressure Type, UGTS Pressure Gauge, Can Height 530 mm, Diameter 150 ± 10mm, Discharge Time 24 Sec, Controllable discharge mechanism, Jet Range 5 Meters, Average Discharge is 92%, applicable on Class A,B & C and electrically started Fire, Fire Rating 4A:144B , Can Construction : Deep drawn & CO2 Mig welded, EPDM(Ethylene Propylene Diene Monomer) Rubber Hose with both end Aluminum clamped, Internal Coating - Epoxy Powder coating, External Coating - Pure Polyester Powder coating (UV Resistant),Brass forged CE Marked valves with NRV & Auto Safety Release with safety Pin is of SS material, Made up from 1.6mm thick sheet , Extinguishers confirmed to IS 15683:2018 and ISI marked. Reference Weight:- Gross Weight 8.9 Kg, Empty Weight 2.9 Kg, 1. Necessary certificate & and guarantee must be attached, 2. OEM has to provide wall mounting heavy duty bracket/clamp, screw, hardware for installation. 3.Following printed marking Manufacturing Date and Expiry Date must be mention on Extinguisher 4. Refilling period must be of 3 Years. Following Printed marking on equipment must be required:- Model No, Capacity, Gross Weight, Content, Fire Rating, Batch No, Serial no, Mfg Month, Refilling Due. [with necessary numbering / marking with oil paint by painter as instructions given by G.S.P.H.C.L engineer] (Make: KANEX, MINIMAX, CEASEFIRE)	3.00	Nos.	1991.00	Rupees One Thousand Nine Hundred Ninety One Only	5973.00

Item No.	Description of Item	Total Quantity	Unit	Quated Rate in		Total Amount Rs.
				Rate Rs.	In Words	
[1]	[2]	[3]	[4]	[5]	[6]	[7]
70	Providing and fixing of CO2 type High Pressure Portable 4.5 kg Fire Extinguisher , filled with Co2 Gas as per IS 15222 , Control discharge mechanism fitted with 1 Meter Wire Braided Hose & Electrical non-conductor Polyethylene Flat Horn with Diffuser Nozzle for dispersed discharge of CO2, Discharge Time 12 Sec, Average Discharge is 95%, Applicable on Class B, C and electrically started Fire, Fire Rating 55B , Internal coating is not applicable & External coating is of enamel spray painting, Powder Coated Handle, Valve Confirm to IS 3224 ISI Marked , CO2 Cylinder construction: hot spinning by seamless pipes & bearing ISI mark, Body confirms to IS 7285 and PESO (Petroleum and Explosives Safety Organization) APPROVED, Minimum Wall Thickness 4 to 4.2 mm , Extinguishers confirmed to IS 15683:2018 and ISI marked. Referance Weight:- Gross Weight 16.4, empty weight 11.9 Kg, 1. Necessary certificate & and guarantee must be attached, 2. OEM has to provide wall mounting heavy duty bracket/clamp, screw, hardware for installation. 3.Following printed marking Manufacturing Date and Expiry Date must be mention on Extinguisher 4. Refilling period must be of 5 Years. Following Printed marking on equipment must be required:- Model No, Capacity, Gross Weight, Content, Fire Rating, Batch No, Serial no, Mfg Month, Refilling Due. [with necessary numbering / marking with oil paint by painter as instructions given by G.S.P.H.C.L engineer] (Make: KANEX, MINIMAX, CEASEFIRE)	3.00	Nos.	6526.00	Rupees Six Thousand Five Hundred Twenty Six Only	19578.00
Total AmountB						188212.50
Total AmountA+B						401929.78

Signature of the contractor.

I/c Executive Engineer
G.S.Police.Housing Corp.Ltd.
Rajkot