

GUJARAT STATE POLICE HOUSING CORPORATION LIMITED, RAJKOT

**NAME OF WORK :- SR work For Water Supply Line From E-01 Garden Bore to Exiting water Sump at SRP Group 17 ,Chela. Dist.:-
Jamnagar. (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. 375079.22						
Item No.	Description of Item	Total Quantity	Unit	Quoted Rate in		Total Amount Rs.
[1]	[2]	[3]	[4]	Rate Rs. [5]	In Words [6]	[7]
(A)	CIVIL WORK:					
1	Excavation for foundation upto 1.5 M. depth including sorting out and stacking of useful materials and disposing of the excavated stuff of any lead and lift [B] Dense or Hard Soil	52.00	Cum.	259.14	Rupees Two Hundred Fifty Nine and Paise Fourteen Only	13475.28
2	Excavation for foundation upto 1.5 M. depth including sorting out and stacking of useful materials and disposing of the excavated stuff of any lead and lift [C] Hard Murrum	52.00	Cum.	443.11	Rupees Four Hundred Forty Three and Paise Eleven Only	23041.72
3	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundation etc. in layers No.t exceeding 20 cms. in depth consolidation each deposited layer by ramming and watering.	102.00	Cum.	129.10	Rupees One Hundred Twenty Nine and Paise Ten Only	13168.20
4	Providing & fixing to wall celing, floor & trenches CPVC pipes SDR 13.5 ISI mark of following out side dia. Tube fittings & clamps with all as per required fitting such as reducing coupler , union,band plug, end cap ,pipe clip,tee, hex niple,elbow,coupler,etc.complete with using bonding materials rates are including of making good the wall ceiling & floor etc. Complete (excavation of earth in trenches and filling will be paid separately) (Open or concealed) 50.00 mm inner dia.	190.00	Rmt.	647.30	Rupees Six Hundred Fourty Seven and Paise Thirty Only	122987.00
5	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	2.00	Nos	3793.18	Rupees Three Thousand Seven Hundred Ninety Three and Paise Eighteen Only	7586.36

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6	Providing and fixing gun metal check or non return full way WHEEL / HANDLE VALVE 50 mm dia.	2.00	Nos	2302.33	Rupees Two Thousand Three Hundred Two and Paise Thirty Three Only	4604.66
Total Amount (A) =						184863.22
(B)	ELECTRICAL WORKS					
	POINT WIRING AND MAINS / EARTHING					
7	Supplying submersible pump set suitable for bore of 100 mm. dia. or more having three phase motor capacity not more than 5.0 H.P. with following capacity.	1.00	Each	26628.00	Rupees Twenty Six Thousand Six Hundred Twenty Eight Only	26628.00
	(A) (25 stage) 120 to 125 LPM discharge at 155 to 120 mtrs. head respectively suitable for 50 mm dia. delivery pipe Cat -III					
8	Lifting or lowering 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, including lifting / lowering. [c] Above 120 mtr.	1.00	Each	2967.00	Rupees Two Thousand Nine Hundred Sixty Seven Only	2967.00
9	Providing & laying approved make ISI marked HDPE 6Kg / cm2 (Class-3) as per IS:4984:1995 PE-80 to be erected at road crossing on or floor as directed for laying of cable. The pipes as following size of dia & weight per 6 mtr. (B) 50 mm inner Dia. [Pipe must be ISI mark and Make and model approved by EIC strictly as per specification]	155.00	Mtr.	162.00	Rupees One Hundred Sixty Two Only	25110.00
10	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 upto 5.0 HP	1.00	Each	7646.00	Rupees Seven Thousand Six Hundred Forty Six Only	7646.00
11	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. For 3 Core x 4.0 Sq. mm.	170.00	Mtr.	145.00	Rupees One Hundred Forty Five Only	24650.00
12	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 [b] 6 to 32 Amp. FP	2.00	Each	590.00	Rupees Five Hundred Ninety Only	1180.00

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13	Providing and erecting Approved make ELCBs / RCCBs conforming to IS: 12640/1988 having serial number printed on it and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on 3 phase and neutral 415 V having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed with same company metal box with earthing terminal with necessary numbering / marking with oil paint by painter. (iv) 25 Amp. FP.	1.00	Each	2986.00	Rupees Two Thousand Nine Hundred Eighty Six Only	2986.00
14	Supplying & fixing box for housing ELCB + 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, ELCB, ELCB + MCB. For [a] For 4 pole	2.00	Each	442.00	Rupees Four Hundred Fourty Two Only	884.00
15	Supplying and erecting Approved make MEM type TPIC switch and fuse With neutral link 415 / 500 Volt and confirming to ISS erected on existing wooden block/A.I.Frame with necessary Numbering with oil paint by Painter. For 32 Amp.	1.00	Each	2158.00	Rupees Two Thousand One Hundred Fifty Eight Only	2158.00
16	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. For 4 core x 4.0 sq.mm Copper Armoured cable with all require accessories	160.00	Mtr.	359.00	Rupees Three Hundred Fifty Nine Only	57440.00
17	Providing & laying HDPE Double walled corrugated pipes (DWC) (conforming to IS: 16205 (part 24) 2018)) with minimum load required of 450N capacity with anti rodent and ultra violet material properties with necessary connecting accessories of same material at required depth to be laid 90 cms. under ground for laying of cable below ground / road surface for enclosing cable and back filling the same to make ground as per original. (A) For Outer dia. 50 mm and Inner dia. 38 mm.) (Test Certificate to be Submitted)	150.00	Mtr.	108.00	Rupees One Hundred Eight Only	16200.00
18	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	20.00	Each	8.00	Rupees Eight Only	160.00
19	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 2.5/4.0/6.0 Sq. mm (Sigma, MCI, Comet Make Only)	2.00	Each	43.00	Rupees Fourty Three Only	86.00
20	Providing and erecting metallic danger notice board for MEDIUM VOLTAGE installation to be erected as per I.S.	1.00	Each	69.00	Rupees Sixty Nine Only	69.00

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21	Supplying & erecting 12 mm thick bakelite sheet 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/MCB switch-busbar etc. as per Actual space available in electrical room at site)	1.00	Sq. Mtr.	2289.00	Rupees Two Thousand Two Hundred Eighty Nine Only	2289.00
22	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.	20.00	Kg.	77.00	Rupees Seventy Seven Only	1540.00
23	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 10.00 sq. mm	50.00	Mtr.	87.00	Rupees Eighty Seven Only	4350.00
24	Providing & fixing water proof straight joint in PVC insulated flat flexible copper cable by using insulated material water proofing material and making the joint complete. UP to 10 Sq.mm.	2.00	Each	188.00	Rupees One Hundred Eighty Eight Only	376.00

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25	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) [Provision for motors cable joints near sump]	1.00	Each	232.00	Rupees Two Hundred Thirty Two Only	232.00
26	Supplying & Erecting following size of Light duty "A" Class G.I. Pipe & erecting as directed by Engineer-in-charge. For 25 mm dia.	10.00	Mtr.	171.00	Rupees One Hundred Seventy One Only	1710.00
27	Supplying and fixing Heavy duty clamp made from 4" x 1.5" iron stip suitable for column pipe 1.5" to 2" length. [b] 50 mm. (2.0") dia pipe	2.00	Each	178.00	Rupees One Hundred Seventy Eight Only	356.00
28	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. [c] 50 mm dia.	1.00	Per Set	1475.00	Rupees One Thousand Four Hundred Seventy Five Only	1475.00
29	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. (b) 25 mm. dia.	10.00	Mtr.	32.00	Rupees Thirty Two Only	320.00
30	Supplying & erecting bank of all polypropylene condenser capacitor bank (APP type) with standard capacity of 2,3,5,7, 10,12.5 & 15 KVAR units of P.F. correction for operation on 3 phase 50 c/s, 400 /440V (+ / - 10%) with externally discharging resistance, earthing terminal & built on angle iron of channel iron frame work and provided with terminal cover box. Complete erected on provided iron bracket or on floor duly tested by license.	2.00	KVAr	577.00	Rupees Five Hundred Seventy Seven Only	1154.00
31	Add or less stage for supplying submersible pump set suitable for bore of 150 mm or more dia having three phase motor capacity above 3 H.P. and not more than 5 H.P.	15.00	Each	550.00	Rupees Five Hundred Fifty Only	8250.00
Total Electrical (B) =						1,90,216.00
Total Amount (A+B) =						3,75,079.22

Signature of the contractor.

I/c Executive Engineer
G.S.P.H.C.Ltd. Rajkot