

Schedule-B						
NAME OF WORK :-	A&A to Main Panel Supply System at Jilla seva sadan Botad, Dist.- Botad and Replacing ATS Panel at Taluka Court Barvala.					
SR NO.	ITEM	QTY	UNIT	NET RATE	In Words	TOTAL
1	Replacing old and u/s by Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 25 KA. at 415 V, having normal current rating up to 25 A to 100A. with Fixed thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III (old 4, new 16)	20	Ea.	6173.12	Rupees Six Thousand One Hundred Seventy Three And Paise Twelve Only	123462.40
2	Replacing old and u/s by Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having normal current rating 125A. with Fixed thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III (Old 3, new 4)	7	Ea.	8055.76	Rupees Eight Thousand Fifty Five And Paise Seventy Six Only	56390.32
3	Replacing old and u/s by Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 35 KA. at 415 V. having Normal current rating 200A. with variable Thermal & magnetic release suitable to work on A.C. supply 50 c/s. with all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing, ICS=100% of ICU only Cat III (old 2 new 5)	7	Ea.	16221.61	Rupees Sixteen Thousand Two Hundred Twenty One And Paise Sixty One Only	113551.27
4	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 KA and above at 415 V having Normal current rating 400A. with variable Thermal & magnetic release suitable to work on A.C. supply 50 c/s. With all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III	1	Ea.	25228.79	Rupees Twenty Five Thousand Two Hundred Twenty Eight And Paise Seventy Nine Only	25228.79
4-A	Providing and erecting Approved make Four pole moulded case circuit breaker having breaking capacity ICU of 50 KA and above at 415 V having Normal current rating 400A. with variable Thermal & magnetic release suitable to work on A.C. supply 50 c/s. With all internal connections, spreader tinned copper & complete erected in existing 16 G.M.S. housing. ICS=100% of ICU only Cat III (With Enclosure)	1	Ea.	27752.78	Rupees Twenty Seven Thousand Seven Hundred Fifty Two And Paise Seventy Eight Only	27752.78
5	Providing and erecting Approved make Earth fault Relay suitable to mount with inter connection suitable to following size of moulded case circuit breaker having CT ratio & MCCB rating as following along with shunt trip 220V AC. with all internal connections & complete erected in existing M.S. housing.. (2) 125 A -200 A , CT Ratio 1/200	9	Ea.	4983.34	Rupees Four Thousand Nine Hundred Eighty Three And Paise Thirty Four Only	44850.06
6	Providing and erecting following additional parts for panel mounting MCCBs, (A) Extended operating rotary handle with pad lock with three position trip, off, on suitable for 25A to 250 A panel mounting cat-III	25	Ea.	873.65	Rupees Eight Hundred Seventy Three And Paise Sixty Five Only	21841.25
6-A	(B) Extended operating rotary handle with pad lock with three position trip, off, on suitable for 400A to 630 A panel mounting cat-III	1	Ea.	1310.98	Rupees One Thousand Three Hundred Ten And Paise Ninety Eight Only	1310.98
7	Supplying and erecting triple pole & neutral 440V / 500V panel mounting Copper Busbars with four equal Nos. of electrolyte bus having current density not more than 1.6 Amp. / sq.mm (Rated current / cross section area) duly wrapped with colour insulating tape for phase sequence of following current carrying capacity, erected with necessary bus bar supports / insulators, main cable socket to each bar, erected in existing cubical panel with necessary connections. (A) Suitable for 100 Amp. Capacity	15	Rn.Mtr	1961.42	Rupees One Thousand Nine Hundred Sixty One And Paise Forty Two Only	29421.30
7-A	(B) Suitable for 200 Amp. capacity	9.5	Rn.Mtr	3202.71	Rupees Three Thousand Two Hundred Two And Paise Seventy One Only	30425.75
7-B	(D) Suitable for 400 Amp. capacity	1	Rn.Mtr	7319.47	Rupees Seven Thousand Three Hundred Nineteen And Paise Forty Seven Only	7319.47
8	Replacing old and u/s by Supplying KITKAT pattern porcelain cut-out fuse with base of following current capacity erected on existing block board. (vi) 200 A. 500 V.	3	Ea.	420.16	Rupees Four Hundred Twenty And Paise Sixteen Only	1260.48

9	Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity (B) 40 Amp. Cat.III	3	Ea.	295.93	Rupees Two Hundred Ninety Five And Paise Ninety Three Only	887.79
10	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. Cat.III	2	Ea.	737.30	Rupees Seven Hundred Thirty Seven And Paise Thirty Only	1474.60
11	Providing and erecting Approved make RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on 3 phase and neutral 415V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component for following Max. rating erected as directed. (iii) 63 Amps. FP Cat. III	16	Ea.	3040.10	Rupees Three Thousand Forty And Paise Ten Only	48641.60
12	Providing & erecting weather proof, dust & vermin proof, floor mounted front operated outdoor type double door cubical panel board necessary IP-54 and above protection as per approval from engineer incharge made from 14 SWG thick CRC M.S. sheet for outer body & doors, 16 SWG thick CRC M.S.sheet for internal partitions with necessary accessories , supporting angles/ flats channel including cutting, bending, drilling, welding, riveting with internal partitions & cable alley as per requirements & instruction of engineer-in-charge with erection of supplied switch gears, BUSBARS, suitable size of inter connecting PVC copper wire / copper-aluminium strips, rubber grommets, rib, bakelite control fuses/MCB for measuring instruments, earth bus & earth bolts, foundation flange - bolts-base Plates, sufficient nos. of hinged doors, handles with locking arrangement and rubber gasket,heavy duty end terminal connection,danger notice board,necessary ventilation,earthing strip complete. The Panel shall be painted with epoxy powder coating. (The rates excludes the cost of switchgears, bus bars, inter connecting mains & Copper Aluminium strips, meters, Fuses etc. The dimension shall be measured excluding base beams) The panel shall be supplied with following approved manufacturers with following size. (A) locally fabricated panel board (i) with 350 mm depth	11	Sq.Mtr	11466.53	Rupees Eleven Thousand Four Hundred Sixty Six And Paise Fifty Three Only	126131.83
13	Providing , erecting , fabricating the M.S. structure as per requirement on site incorporating proper size of M.S. angles,square,round, flats, bars, channels, sections complete with cutting, welding, grinding & finishing duly painted with one coat of red oxide with erection on site as per direction of engineer in charge with necessary grouting, cementing, plastering & finishing complete.	60	Kg.	77.77	Rupees Seventy Seven And Paise Seventy Seven Only	4666.20
14	providing and erecting Mains with ISI marked, 1.5KV 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. (e) One wire 6.00 sq. mm	50	Mtr.	56.56	Rupees Fifty Six And Paise Fifty Six Only	2828.00
14-A	(g) One wire 16.00 sq. mm	30	Mtr.	142.41	Rupees One Hundred Forty Two And Paise Forty One Only	4272.30
14-B	(i) One wire 35.00 sq. mm	25	Mtr.	300.98	Rupees Three Hundred And Paise Ninety Eight Only	7524.50
15	Supplying and erecting approved make panel mounting type Digital Voltmeter having 3 digits LED display, 0 to 750 AC Volts range erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	5	Ea.	1275.63	Rupees One Thousand Two Hundred Seventy Five And Paise Sixty Three Only	6378.15
16	Supplying and erecting approved make panel mounting type Digital Ammeter having 3 digits LED display, external CT operated, calibrated for 0 to 1000 Amps suitable to operate on 500 Volt AC , erected on existing panel board with all connection, wiring etc .with manufacturers calibration certificate.	5	Ea.	1558.43	Rupees One Thousand Five Hundred Fifty Eight And Paise Forty Three Only	7792.15
17	Providing & erecting L.T. Current Transformer with bar primary 50/5 to 1000/5 ratio 15 VA burden erected in existing CRCA box duly secured with insulating materials connected to the meter	15	Ea.	274.72	Rupees Two Hundred Seventy Four And Paise Seventy Two Only	4120.80

18	Supplying and erecting approved make suitable panel indicator LED type lamp, lens cover, complete erected with necessary connections.	15	Ea.	43.43	Rupees Forty Three And Paise Forty Three Only	651.45
19	Replacing old and u/s by Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables with Necessary Lugs and Glands (E) 3 1/2 core 95 Sq. mm (50 Sq. mm 1/2 core) (old 20, new 30)	50	Mtr.	490.86	Rupees Four Hundred Ninety And Paise Eighty Six Only	24543.00
19-A	(F) 3 1/2 core 120 Sq. mm (70 Sq. mm 1/2 core) (new 40)	40	Mtr.	540.35	Rupees Five Hundred Forty And Paise Thirty Five Only	21614.00
19-B	(I) 3 1/2 core 240 Sq. mm(120 Sq. mm 1/2 core) (old 10, new 35)	45	Mtr.	1168.57	Rupees One Thousand One Hundred Sixty Eight And Paise Fifty Seven Only	52585.65
20	Replacing old and u/s by Providing & erecting approved make ATS panel suitable for following size of 3 phase, 415 V., 50 cycles, A.C. diesel generating set complete of scope as detailed below: 1) Power module: Motorised Changeover switch with ATS controller, Auxiliary contactor with NO & NC contacts with Automatic Battery Charger, indicating lamps for Generator ON, Mains ON, Load and suitable control terminals and power terminals with neutral earthing studs. (C) ATS Panel for 62.5 KVA 3 phase DG Set	1	Each	57347.80	Rupees Fifty Seven Thousand Three Hundred Forty Seven And Paise Eighty Only	57347.80
20-A	(E) ATS Panel for 125 KVA 3 phase DG Set	1	Each	72755.35	Rupees Seventy Two Thousand Seven Hundred Fifty Five And Paise Thirty Five Only	72755.35
21	Making trench in Hard Murrum / Tar Road of suitable width of 90 cm or required depth for laying any size of cable or locating the fault all over the run and back filling the same and making the surface as normal ground. (B) If additional machinery like hammer drill or JCB use [Add]	45	Mtr.	432.28	Rupees Four Hundred Thirty Two And Paise Twenty Eight Only	19452.60
22	Drilling the road without breaking the road surface (Asphalt) for laying of cable for feeding power supply by making up to following size of holes at both ends complete. (A) Up to 100 mm bore dia	35	mtr	492.88	Rupees Four Hundred Ninety Two And Paise Eighty Eight Only	17250.80
23	Providing cement concrete. foundation or for concrete filling in 1:3:6 ratio with 20 to 25 mm stone metal duly plastered with necessary curing for pole muffing or any other purpose.	11	Cu.Mtr	4511.67	Rupees Four Thousand Five Hundred Eleven And Paise Sixty Seven Only	49628.37
AMOUNT PUT TO TENDER FOR RS.						1013361.79

Rupees Ten Lakh(s) Thirteen Thousand Three Hundred Sixty One And Paise Seventy Eight Only

- (A) Total Tendered Amount Rs.....
 (B) Rebate on above tendered amount (if any).....%(in Figure) Rs.....
 (.....in words)
 (C) Net tendered amount (A-B) Rs.....

NOTE

All work shall be carried out as per Public Works Department Handbook and other specification of Division or as directed

Rates quoted include clearance of site (prior commencement of work and at its close) in all respects and hold good for work under all conditions, site, moisture, weather etc.