

REVAMPING OF GUJJAR NALA INCLUDING SERVICE ROAD					
Bill of Quantities (Electrification)					
S.NO	ITEM DESCRIPTION	UNIT	QTY	RATE	AMOUNT (Rs.)
<b>PART-A (Non- Scheduled Items)</b>					
1	Providing, installation, testing and commissioning of following Octagonal lighting pole, hot dipped galvanized from inside and outside with 4mm wall thickness including base plate anchor bolt, nuts and washer, self inspection door with special keys, cable connection box etc., (detail shown on the drawings).Complete in all respects as per specification and drawings.				
1.1	8 m High, Single Arm Pole	Nos.	110		
2	Construction and installation of pole foundation in concrete class "A", reinforcement as per AASHTO M31, lean concrete etc.Excavation and backfilling for the Pole foundation shall be included in this job. Complete in all respects as per specifications and drawings.				
		Job.	110		
3	Providing, installation, testing and commissioning of 90 W LED (IP-66) street light fixture , complete in all respects,as per specification and drawing. Lighting fixture samples must be submitted to Consultant for approval.				
		Nos.	110		
4	Providing, installation, testing and commissioning of following outdoor type IP65 rated Pad mounted Lighting Control Panel (LCP) on concrete pad. This job include with all civil works as per drawing and specifications, complete in all respect:				
4.1	LCP-01 , 02 INCOMING 1 No.63A, TP MCCB (lcs 15 kA) Timer contactor with Photo Sensor OUTGOING 10 Nos.10A,TP MCCB	Nos.	2		
5	Providing, installing, testing and commissioning of following sizes of 600/1000 volts grade copper conductor unarmoured cables in 75 mm dia uPVC pipe from Transformer to LCP, LCP to Lighting Pole, Lighting Pole to Lighting Pole, ,including excavation and fresh sand 6" above and 6" under cable, laying protection bricks on sand, warning tape and backfilling, compaction etc.Complete in all respect,as per specification and drawing.				
5.1	4c- 50 Sq.mm Cu.PVC/PVC +1c-25 sq.mm PVC as ECC	Rm	65		
5.2	4c- 16 Sq.mm Cu.PVC/PVC +1c-16 sq.mm PVC as ECC	Rm	2500		
5.3	4c- 10 Sq.mm Cu.PVC/PVC +1c-10 sq.mm PVC as ECC	Rm	3600		
6	Providing and laying of following sizes of uPVC class "D" Pipes for Road crossing. Buried in ground as per drawing. Including excavation for laying of pipe and backfilling.as per specification and drawing,complete in all respect.				
6.1	100 mm dia Upvc	Rm	60		
7	Providing, installing, testing and commissioning of 3 Core 2.5 Sq.mm PVC / PVC, 450/750 volts grade cable for each light from cable terminal box to luminaries complete in all respect.				
		Rm	900		

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8	Providing, installation, testing and commissioning of Terminal Box IP 65 including 1 No. 4A, Circuit Breaker with terminals , complete in all respect.	Nos.	110		
9	Supply, installation, testing & commissioning of 50 KVA, Pole mounted Transformer. Including all accessories such as Poles, platform, cross arms, insulated copper conductor, dropout fuse switches complete in all respect as per drawing and K-Electric specifications.	Nos.	2		
10	Provisional sum for obtaining electrical 11KV power supply connection from K-Electric with all necessary requirements including meter, circuit breaker / cutouts, necessary power cables and all installation material required for the connection and lisioning with K-Electric for approval of the load, complete in all respect.	Job.	1		
11	Providing, installation, testing & commissioning of 3c-70 sq.mm Al.XLPE/SWA/PVC MV cable from nearest scoured of K-Electric power supply for incoming cable to 2Nos. 50 kVA Transformer as required as per site and including cost of excavation for laying of cable, bricks, warning tape, and backfilling with new and fresh sand (6" under and 6" above the cable),complete in all respect.	Job.	1		
12	Supply, installation, testing and commissioning of earthing pit with 3 meter long 20 mm dia earth copper rod for Transformer,LCP and end of every circuit directly driven to ground to obtain earth resistance not more than 1 ohm.as per drawing, complete in all respect.	Nos.	22		
13	Providing, installation, testing & commissioning of following PVC insulated (yellow/green) earth continuity cable from earth pit to respective Transformer,LCP, between pole to pole, in PVC conduit.Complete in all respects,as per specification and drawing.				
13.1	1c- 70 Sq. mm as ECC	Rm	80		
13.2	1c- 16 Sq. mm as ECC	Rm	700		
13.3	1c- 10 Sq. mm as ECC	Rm	1800		
* TOTAL AMOUNT OF SCHEDULED ITEMS (Rs.)					