

**Schedule of items for Power supply and Electrification of new weight bridge at Turamdih Mines.
(Annx. To NIT-TMD/MIN-697,Dtd.-01/9/2014)**

S.No.	DESCRIPTION OF ITEM	UNIT	QTY.	RATE(Rs.)		AMOUNT(Rs.)	REMARKS
				In Figure	In words		
1	Supply & installation of single phase wall mounting, heavy duty 600 mm sweep Air circulator including all necessary hardwares & electronic regulator.Make - Crompton Greaves.	Nos.	1				
2	Supply & installation of 48" sweep brown colour,single phase ceiling Fan with electronic regulator including all necessary hardwares as required.Make - Crompton Greaves(Model- High Speed).	Nos.	1				
3	Supply & installation and connection of 450 mm sweep ,single phase,heavy duty Exhaust Fans with Lubers & all necessary hardwares for installation and connection. Make:- Crompton Greaves.	Nos.	1				
4	Supply & installation and connection of CFL Lamp fixture with lamp of rating 9/11w ,230V .(2X 11W CFL) Type-TLLE 211 including tubes. This also includes necessary hardwares as required. Make:- Crompton Greaves.	Nos.	4				
5	Supply and installation and connection of LED type Street light fitting,Model-BRP320,1X24 LED,Make-Philips.This also incudes supply of fixing pipe/channels connecting wires and other required hardwares for fixing without extra cost.	Nos.	3				

6	Supply & installation of sheet steel enclosed (2mm thick) dust and vermin proof (IP-55) wall mounted Main Distribution Board with hinged door interlock consisting of a) I/C - 63A RCCB,300mA,4-P, 500V - 01No.with back up fuses of 100Amps. b) Outgoing MCBs TP/TPN,63A-01 Nos.DP,40A-4 Nos.SP6/10A-10 Nos.There should be separate connector terminals for incoming and outgoing.all work involves for fixing and incoming and outgoing connections are in the scope of the contractor without extra cost.	Nos.	1				
7	Supply & installation of sheet steel enclosed (2mm thick) dust and vermin proof (IP-55) wall mounted BranchDistribution Board with hinged door interlock consisting of a) I/C - 40A MCB DP - 01No. b) Outgoing MCBs DP,32A-01 Nos..c)SP6/10A-6 Nos.There should be separate connector terminals for incoming and outgoing.all work involves for fixing and incoming and outgoing connections are in the scope of the contractor without extra cost.	Nos.	1				
8	Point wiring on heavy duty PVC Conduit on wall / ceiling by PVC insulated and sheathed Cu Conductor cable 2X 1Cx 2.5Sq mm + 1x 1.5Sqmm for earthing.This includes supply and fixing of PVC Conduit and all accessories like round blocks,JB,cables/wires, switches/boardsetc and fixing materials as required. (Each point should be considered as 10Mts.).						
	Supply	Nos.	15				
	Installation	Nos.	15				

9	Point wiring on casing capping/PVC Conduit on wall / ceiling by Telephone indoor type drop wire(Netco/National make).This includes supply and fixing of pvc conduit and all accessories like round blocks,IN/OUT box,drop wire ,JB etc. and fixing materials as required. (Each point should be considered as 10Mts.)Removal of old wiring and boards are in the scope of contractor without extra cost.					
	Supply	Nos.	1			
	Installation	Nos.	1			
10	Point wiring on heavy duty PVC Conduit on wall / ceiling by PVC insulated and sheathed Cu Conductor cable 2X 1Cx 6 Sq mm + 1x 1.5Sqmm for earthing.This includes supply and fixing of casing capping and all accessories like round blocks,JB,cables/wires, switches(15A)/Sockets(15A)/boardsetc and fixing materials as required. (Each point should be considered as 10Mts.).					
	Supply	Nos.	5			
	Installation	Nos.	5			
11	Supply and installation of Air conditioner,1.5T>window type,Make-Voltas,Model-182DX.	Nos.	1			
12	Supply and laing of 2x1Cx10Sq mm PVC insulated and sheathes Cu conductor + 1x 1Cx 1.5Sqmm for earthing.					
	25/35 mm dia.,2mm thick PVC conduit					
	Supply	Mtrs.	10			
	Installation	Mtrs.	10			

	(The above includes supply of PVC conduit pipe and JB's and all other accessories required for PVC Conduit wiring.)						
13	Finishing, including equipment connection & supply of double compression type gland(COMET MAKE) & lugs(DOWELLS MAKE) of reputed make(to be approved by UCIL) of 1.1 KV grade PVC stranded 'A' cable of the following size:-						
	i)3.5/4C X 70 Sq. mm						
	Supply	Set	4				
	Installation	Set	4				
	ii)3.5/4C X 25/35 Sq. mm						
	Supply	Set	4				
	Installation	Set	4				
14	a) Supply and Laying of 25x3mm GI earth strip under the ground (500mm below ,including earth excavation ,back filling with brick protection,approx 4bricks/mtr with supply of bricks)and connection to equipment as well as earth grid.All joints to be welded by low hydro. content electrode.GI flat will be supplied by Contractor.	Mtrs.	30				
	b)-Do- but 50/6mm	Mtrs.	30				
15	a) -Do- but along the wall with clamping (including supply of clamps,nuts,bolts etc.)& connection to equipment 25/3mm	Mtrs.	20				
	b)-Do- but 50/6mm	Mtrs.	20				
16	Supply and installation of lightening mask on the top of the building/roof/shed.	Nos.	2				

17	Laying of 1.1 KV grade PVCA 'Al' Cable of size 3.5/4C, 35/70 Sq. mm in underground trench of 760mm deep X 500mm wide in single tier formation including trench excavation & back filling with bricks(16bricks/m) & sand ,protection route maker etc. with supply of bricks & sand(Quality of sand & bricks to be approved by UCIL).Road/concrete/bolder cutting and finishing the road to its original shape are in the scope of the contractor.						
	Supply(Bricks,sand etc.)	Mtrs.	400				
	Installation	Mtrs.	400				
18	Laying of 1.1 KV grade PVCA 'Al' Cable of size 2/3/3.5/4C, 16 / 25 / 35 / 50Sq. mm on wall including clamping with supply of clamp materials.						
	Supply(Clamps)	Mtrs.	20				
	Installation	Mtrs.	20				
		TOTAL (Rs)					