Sl. No.	Equipment	Voltage
6.	Supply Voltage to Colony & Water Supply	415 V
6.	SILO loading arrangement	415 V
8.	Quarry lighting	230 V (L-L)

TELECOMMUNICATION

Telecommunication system consisting of EPBAX based system and loud hailing communication system required for facilitating efficient functioning of production and administration units of the project has been proposed.

5.1.3	Drainage & Pumping: Assessment of volume of water for pumping, pumping capacity and pump selection	The principal drainage in the block is controlled by Bangaru jhor in the northern side of the block. The pumping and drainage system will be assessed by the outsourced agency.
5.1.4	Coal Handling Arrangement: Brief detail of the CHP/ Mode of Dispatch, Coal quality and Coal staking and handling arrangement	The proposed CHP of Bhubaneswari Extn. OCP (30 Mty) is planned to have a capacity to handle the production of 25 Mty by CHP under construction. Remainder 5 Mty will be dispatched through Rail by nearby wharf wall siding. The basic parameters considered for the planning of the coal handling plant will be as under: Maximum Capacity (Mty) : 25 No. of working days : 330 No. of shifts/day : 3 No. of hours/shift : 8 No. of effective hours of work of CHP/shift : 5 • Coal from the quarry handled by private mine operators will be received at Truck Receiving Hopper complexes. From TRH's coal will transported through conveyors to 02 nos. of over ground bunker of capacity 15000Te each. • The coal from the Over Ground Bunker (GB-1) will be carried with the help of conveyors C2 and C2A to TH-5.

		• At TH-5, coal transportation will take place by the conveyors C5 and C5A up to TH-6. From TH-6, coal will be carried through the Pipe conveyor to be delivered to Silo, located near Spur Siding-III. The Silo will have a capacity of 4000Te and shall consist of Rapid loading system along with 02 nos. of pre-weigh hopper and telescopic chute which will load the wagons. • From Over Ground Bunker (GB-2) will be transported through conveyors C3 and C4 to TH-7 and TH-8 respectively. From the Transfer houses TH-7 & TH-8 the Coal will be taken by the Conventional conveyors and a Pipe conveyors to a Silo (4000 Te) located near spur siding V to dispatch a coal of around 12 Mty. The Silo will have a capacity of 4000Te and shall consist of Rapid loading system along with 02 nos. of pre-weigh hopper and telescopic chute over two separate rail lines which will load the wagons. • The coal of around 5.0 Mty will be tapped from the conveyor circuit from GB-2 for mechanized truck loading system. • Other facilities like Dust control (Plain water (PWDS) and Dry fog (DFDS) types), Industrial and drinking water supply, Firefighting and Plant cleaning, Belt weigher, Electrical and Mechanical hoists, Tramp iron magnet (ILMS) and Metal detector, Automatic mechanical sampling system, In motion rail weigh bridges etc. will be also envisaged.
5.1.5	Coal washing and the proposed handling/ disposal of rejects	Washing not proposed in present proposal