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MCL

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COAL EVACUATION PLAN BHUBANESWARI OPENCAST PROJECT 30 MTY

1. COAL WINNING AND TRANSPORTATION

There is no change in mining technology. The surface miners will continue for coal production. The total extraction of coal will be done through an outsourcing agency as per existing practice. The shovel dumper mining system will continue to remove OB above the seams. Operation of the surface miner is found to be successful and environment friendly as it does not require drilling, blasting, and crushing of coal. It is proposed that surface miners will do the total coal production of 30 Mty. The total extraction of coal will be done through an outsourcing agency as per existing practice

2. COAL HANDLING & DESPATCH ARRANGEMENT

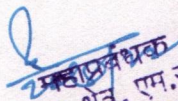
The current proposal is for change in excavation area and change in peak coal capacity to 30 Mty. Currently 24.0 Mty of coal is being dispatched through rail and remaining 4.0 Mty is being dispatched through road. The existing dispatch arrangement will be continued for the proposed project.

However, in future there is also provisioning of belt conveyors and SILO the details of the same is as below:


- The proposed CHP of Bhubaneswari OCP will handle the production of 25.0 Mty and the remainder 5.0 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



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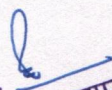



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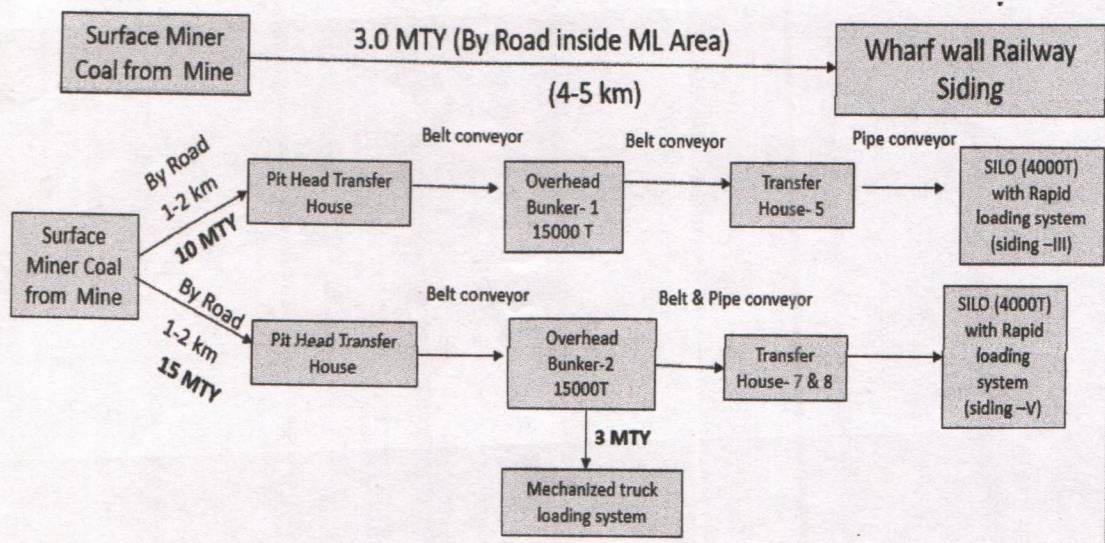


- Coal from the quarry handled by private mine operators will be received at Truck Receiving Hopper complexes. From TRH's coal will transported through conveyors to 02 nos. of Over ground bunker of capacity 15000Te each.
- The coal from the Over Ground Bunker (GB-1) will be carried with the help of conveyors 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 conveyor 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


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PROPOSED DESPATCH ARRANGEMENT FOR 30.0 MTY



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