

BRIEF SUMMARY

Brief Description of Plant:

M/s ACB (India) Ltd is operating Gevra coal washery of 6.25 MTPA throughput capacity at Dipka village. It is proposed to increase the capacity of existing coal washery by establishing a coal washery of 10 MTPA. Thus, the total capacity of the coal washery will be 16.25 MTPA throughputs. Raw coal from Gevra, Dipka and Kusmunda opencast projects of SECL will be transported to Gevra expansion coal washery by tarpaulin covered trucks. The washery is planned to process additional 10.0MTPA raw coal and dispatch of approximately 8.0 MTPA additional clean Coal.

Rejects produced in the washery will be consumed by 2x30MW and 2x135MW power plants owned by ACBIL which are about 3 to 4 km from washery and the balance will be sold in the market to consumers using CFBC/AFBC boilers. Further ACB (India) Ltd is contemplating to establish loading platforms on the proposed rail corridor connecting Gevra road railway station to Pendra road railway station which will be nearer to the washery.

The following facilities/ amenities/infrastructure will be created at site.

- i. Coal sampling preparation room
- ii. Charge Stores
- iii. Canteen
- iv. Rest shelter
- v. Car and cycle shed
- vi. MCC cum control room for washery
- vii. Generator room
- viii. Fresh water reservoir with pumps
- ix. Reservoir for firefighting along with pump house.
- x. Road weigh bridges along with control room.
- xi. Security and time office

All these facilities will be provided, keeping in mind the requirements for smooth operation of the plant and also to meet future requirements.

| Sr. No. | Description | Details |
|---------|---------------------|--|
| 1. | Name of the Project | Expansion of Gevra Coal Washery of M/s. A C B (India) Ltd. at Dipka Village. |
| 2. | Plant Capacity | Expansion from 6.25MTPA to 16.25MTPA (throughput) |
| 3. | Plant location | Village- Dipka, Tehsil- Katghora, District- Korba, Chhattisgarh |

| Sr. No. | Description | Details |
|---------|--|---|
| 4. | Geographical Co-ordinates | Point A—22° 21' 44.70" N, 82° 33' 35.36" E Point B—22° 21' 44.05" N, 82° 33' 35.41" E Point C—22° 21' 58.43" N, 82° 33' 25.69" E Point D—22° 21' 53" N, 82° 33' 29" E Point E—22° 21' 36.37" N, 82° 33' 23.98" E |
| 5. | Location | Dipka Village, Korba District, Chhattisgarh |
| 5.1 | Nearest Villages | Dipka |
| 5.2 | Nearest Town | Korba |
| 5.3 | Nearest Railway Station | Gevra Road |
| 5.4 | Nearest Air Port | Raipur |
| 5.5 | Nearest Sea port | Paradeep |
| 6. | Metrological Data | |
| 6.1 | Minimum temperature | 9.5° C |
| 6.2 | Maximum Temperature | 45.5° C |
| 6.3 | Relative Humidity | Summer 25.5%, Rainy season 97.5% |
| 6.4 | Annual rainfall | 1429mm |
| 6.5 | Seismic Zone | Zone II |
| 6.6 | Climate condition | Moderate |
| 7. | Topography and soil condition. | 325m above mean sea level. Land is fairly flat terrain. |
| 8. | Nearest water body | Pond : Adjacent SW Kholar Nala : 2.65 km NE Ahiran Nadi : 7.5 km NE Hasdeo River : 12.5 Km, E Lilagar Nadi : 6.1 Km, SW Saliha Nala : 3.0 Km, N |
| 9. | Sanctuaries / National Parks / Biosphere etc | Distance from boundary of Achanakmar Tiger Reserve is 70 Kms. Distance from Eco-sensitive boundary of Achanakmar Tiger Reserve is 67 Kms . Distance from Crocodile Park is 42 Kms. |
| 10. | Coal Washery Capacity (throughput) | Existing: 6.25 MTPA. Additional proposed: 10.0 MTPA Total: 16.25 MTPA throughput |
| 11. | Project area | Additional land 26.37 acres over the existing 16.60 Acres. |
| 12. | Source of Water | There will be three source of water, 1) Fresh water from Kholar Nala And/or 2) Treated waste water from 2 x 135 MW TPP. And/or 3) Water reservoir constructed for storing of rain water. The capacity of water reservoir is 95000KL. |
| 13. | Source of Power | 2x 30MW plant of M/s A C B (India) Ltd located at Chakabuda |

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|----------------|---|--|
| 14. | Source of raw coal | The raw coal will be sourced from Gevra OCP (4.3km), Dipka OCP (3.7km) and Kusmunda OCP (10km) of South Eastern Coal Fields Limited. |
| 15. | Transportation - Raw Coal - Clean Coal - Rejects | Trucks Trucks/ Rail Trucks |
| 16. | Dispatch arrangement | Junadih Railway siding, leased by SECL situated at an aerial distance of 1.5 km and proposed railway sidings of ACBIL on the rail corridor from Gevra road station to Pendra road railway station. |
| 17. | Customer for clean Coal | GEB, PSPGCB, RRVUNL, L&T, Cement Plants ETC. |
| 18. | Technology/ equipment washing | HM Cyclone and Jig |
| 19. | Fine coal treatment | Classifying cyclones, High frequency screen, thickener, Belt press. |
| 20. | Working hours | The plant will operate in three shifts each of 8 hours for 357 days in a year and approximately 6000 effective annual working hours i.e. effective of 17 hours in a day. |
| 21. | Rehabilitation and Resettlement | No R & R issue involved |
| 22. | Manpower (for the expansion) Construction Operation | Approximately 150 persons during construction period and approximately 400 persons during operation. |
| 23. | Estimated Cost of the Project (expansion) | Rs.163.37 Crores including EMP cost. |