

Brief Summary of the Project

Proposal	Madanpur South Coal Mine; Capacity - 5.4 MTPA & Area - 713.952 ha
Location of Mine	Morga, Ketma villages (Hasdeo-Arand Coalfield), Tehsil Katghora in district Korba, Ch
Latitude	22°45'19"N to 22°47'09"N
Longitude	82°38'02"E to 82°40'22"E
Land Use	<u>Pre Mining</u> : Private land (53.692 ha), Forest land (660.260 ha)
Total Mineable Reserves	Mineable reserve: 158.921 Mt
Life of Mine	33 years (@ 5.4 MTPA)
Method of Mining	Opencast Mining Method Seams lying in the Madanpur South Coal Block is almost flat with maximum seam gradient of 5°. Seams are dipping from north to south. Seam II, III, IV and Seam V incrops in the near BissarNalla in the Northern part of the block. Seam V is the topmost seam which is lying at a depth of 19.7 to 106.78 m from the surface. Bottom most seam seam IB is lying at a depth of 48.89 m to 298 m from surface.
Waste disposal	A total of 962.45 Mm ³ solid waste in the form of overburden containing mainly <i>fine to coarse grained sandstone, shale, carbonaceous shale and intercalations of sandstone & shale</i> will be generated. The waste dumped will be dumped in proposed external dump site within mine area and will subsequently re-handled & backfilled in the mined-out voids from 14th year onwards.
Mineral Processing	No beneficiation or processing facilities has been envisaged for the project as the ROM after being sorted , will be directly sold to the customers
Mineral Transport	ROM ore from the mine head will be transported by Dumpers upto Coal Handling Plant. Subsequently, coal will be unloaded in a ground hopper.
No. of working days	300 days, 3 shift of 8 hours per day
Fuel Consumption	HSD: 82 KLD, LSD: 8.25 KLD
Explosive Consumption	6676 TPA
Water Demand	4680 KLD [195 m ³ /h]
Source of water	BissarNalla: 195 m ³ /h - for initial two years and thereafter water requirement can be met from proposed quarry with pumping system installed near mines
Man Power	APMDC : 168 and MDO : 866
Electricity Demand	9.0 MVA
Infrastructure	All necessary infrastructure (viz. maintenance workshops, central store, fuel station, weigh-bridge, telecommunication facilities, offices, Locker, Canteen, etc. Vocational training centre, rest shelter are proposed to be set up in around mining lease.
Proposed Investment	Rs.245733 lakhs
Production Cost	Rs.1419 per tonne of coal