

BRIEF NOTE FOR TALCHER UG (CAPACITY 0.27 MTY)

1. INTRODUCTION

Talcher colliery is located in Talcher coalfield which is located near Bramhani river to the north of Mahanadi river between latitude $20^{\circ}30'00''$ to $21^{\circ}05'00''$ North and longitudes $84^{\circ}20'00''$ to $85^{\circ}33'00''$ East. Major part of the coalfield falls in Angul district with part areas spread over to the neighboring districts of Dhenkanal, Deogarh and Sambalpur of Odisha. The coalfield spreads over a distance of about 80kms, along the strike (east-west) and 26 kms along dip-rise (north-south) covering an area of about 1800 sq.kms.

Talcher underground mine of MCL is located in Angul district Odisha. The mine lies between Lat - $20^{\circ}55'51''$ N & $20^{\circ}57'24''$ N and Long- $85^{\circ}08'13''$ E & $85^{\circ}11'14''$ E as per survey of India Toposheet No-73H/1.

2. STATUS OF TALCHER UG (0.27MTY)

Production from the Talcher UG mine has stopped since 24.02.2018 due to issue of notice of discontinuance on non-compliance of Section 22A(1) of Mines Act 1952 by DMS, Bhubaneswar vide Notice No: 010686/BBR-DH/CO-6/Notice-22A(1)/2015/4562 dated 03.09.2015. This is because mine management has not provided 3rd entry to the Drift Top Section (present working dist), and as per provision of CMR-2017, Reg No-158(3).

The form I and brief report is prepared for the Revalidation of EC as per MoEF & CC Gazette Notification S. O. 1530 (E) dated 06.04.2018.

➤ MINE CLOSURE STATUS REPORT

MCSR for Talcher UG (0.27Mty) has been prepared in 2011.

➤ STATUS OF EMP

EC for Talcher UG (0.27Mty) was received vide letter no. J-11015/5/91-IA. II (M) dt. 22.06.1992 (Annexure-I). The EC was obtained before EIA

notification 2006 and as per SO 1530(E) dated 06.04.2018 it has mandatory to obtained EC under EIA notification 2006 otherwise it is treated as violation. So fresh Form I and Brief note has been prepared for Revalidation of the EC in line with EIA notification 2006.

➤ **STATUS OF FORESTRY CLEARANCE**

Forest Clearance was obtained for **total Forest Area of 294.407 ha.** Forest Clearance was obtained for forest land **193.743 ha** vide letter no. 8-132/90-FC dated 14.09.1995 and **33.925ha** vide letter no.2-144/89-FC dated 15.01.1996 Government of India MoE&F. (Annexure- II)Forest land diverted in Ananta OCP vide No:8-144/89-FC, dated 28.09.1990 of GOI, MOEF for the area of 31.02 ha out of this **29.423** ha of forest area remains in the mining lease of Talcher UG mine. Forest land diverted in Lingaraj OCP vide No:8-99/87-FC, dated 07.03.1989 of GOI, MOEF for the area of 186.311ha out of this **37.3126 ha** of forest area remains in the mining lease of Talcher UG mine.

3. NEED / JUSTIFICATION FOR THE PROJECT

This brief note has been prepared for the Revalidation of EC as per MoEF & CC Gazette Notification S. O. 1530 (E) dated 06.04.2018.

4. LOCATION AND COMMUNICATION

Talcher coalfield is the south-eastern most Lower Gondwana coal basin of Sone-Mahanadi Valley. . Some particulars are given below:

Coalfield	Talcher coalfield
Area	Area
Tahsil	At/P.O ,DERA
District	Angul
Latitudes	Latitudes : N 20°55'51" to N 20°57'24"
Longitudes	Longitudes: E 85°08'13" to E 85°10'14".
Topo sheet No.	Survey of India Topo Sheet No. 73-H/1

COMMUNICATION

Sl.No.	Item	Particulars
1.	Nearest town	Talcher, about 7 km away.
2.	National highways	Cuttack-Sambalpur National highway No.42 is located to the south of the block and approachable by Kutcha road of about 17 km.
3.	Connection to the state capital	150 km to Bhubaneswar via NH-55& NH-16.
4.	Connection to the company HQs	200 km to Sambalpur via NH-55& NH-16.
5.	Nearest railhead	Talcher railway station 4km, Angul railway station -25 km
6.	Airport	Biju Pattanaik Airport in Bhubaneswar is at a distance of about 150 km via NH-55& NH-16.

PWD road from the mine connects NH-23 at a distance of 8 km and to NH-42 (Cuttack- Sambalpur state highway) at a further distance of 12km. The nearest railhead is Talcher Railway station located about 4 km away and connected by all weathered road.

5. TOPOGRAPHY AND CLIMATE

The Talcher coalfield experience tropical climate the temperature in summer (March to May) ranges between 22.8°C and 50°C, whereas the minimum temperature falls to as low as 9°C with an average of 22°C during nights in winter. The average annual rainfall is 1500 mm.

The maximum ground elevation above mean sea level is 118m and minimum is 98m. The general slope is towards north. Nallah-Bhalutungri, Singada, Bangaru Nandira and Brahmani rivers are the natural water course present. The surface in and around the mine is predominantly soil covered and gently undulating. It comprises mostly paddy fields.

6. GEOLOGY

Talcher coalfields is the south-eastern most Lower Gondwana coal basin of Sone-Mahanadi valley. The coalfield covers an area of about 2100 sq.kms having 80Km length and 26 km width.

The original geological investigation was done during twenties by East India prospecting Syndicate, on basis of which Talcher Colliery was started in 1928. During 1956-58, Indian Bureau of Mines drilled 18 boreholes in the mine property. Later on, during 1975-76, 40 more exploratory boreholes were drilled by CMPDIL.

Table-1
Stratigraphic Sequence of Talcher Coalfield

Age	System	Series	Formation	Lithology	Thickness (m)
Recent			Alluvium, Laterite	Soil, Sub-Soil, Lateritic	2-37
Triassic to upper Permian	Lower Gondwana	Damuda	Kamthi & Barren Measures	Fine to med. grained sandstone, carb shales and coal bands	250
Lower Permian			Barakar	Fine to coarse grained sandstones, shale, coal seams and conglomerate	500 +
			Karharbari	Medium to coarse grained sandstone, shale and coal seams(seam-11)	300+
Upper Carboniferous			Talchir	Diamictite , fine to medium grained greenish sandstone , shale, rhythmite, turbidite etc.	325+
----- UNCONFORMITY -----					
Pre-Cambrian	Archaeans			Granites, granite gneisses, amphibilites, magmatites, quartzite, pegmatite	

7. MINE BOUNDARY

The mine boundaries are described below :

- North : Lingaraj Open Cast Project in the North
- West : Ananta Open Cast Project on the west
- South : Jaganath Open Cast Mine on the South-West
- East : Handidhua Colliery on the East.

8. MINE CLOSING OPERATION

Talcher U/G will be closed after exhaustion of coal reserve. The total extractable coal is 8.5 Million Tones (as on 24.02.2018). The life of mine assessed for 43 years (from 01/04/2018). The mine may be closed on account of other unforeseen

reasons, i.e. Force measure or directives from statutory organizations or court etc. for which information and notices shall be served to concerned Government authorities and departments.

9. MINING TECHNOLOGY

The mine has been developed in the bord and pillar system. The development galleries are 3.6 to 4.2 metres wide and 1.8 to 3.0 metres height. The pillar size varies from 19.5 to metres from center to center. The pillar are normally square shaped except where cross cuts have been driven for haulage and ventilation.

10. PRESENT STATUS OF COAL

The Coal production in Talcher UG mine is given below:

S. No	Year	Coal (MTY)
1.	1928-29 to 2012-13	14.160
2.	2013-14	0.101
3.	2014-15	0.100
4.	2015-16	0.073
5.	2016-17	0.053
6.	2017-18	0.039
Total		14.526

11. COAL SEAMS

The Seam No.1, which is mined out in Talcher Colliery, belongs to Karharbari Measures. The seam is almost flat. The gradient being about 1 in 20. The area is traversed by E-W and NE-SW faults. The dip direction of the seam and also the gradient vary from zone to zone bounded by different sets of faults.

The Seam-II, belonging to Barakar measures, is incropping in south-western part of the mine and not workable from Talcher Colliery, as its spread is very small within the mine boundary. Further, the coal quality is also inferior mostly power grade (Avg-F, Non-coking).

Seam I splits into three main section, top, middle and bottom. The thickness of the parting between the three sections, the sections themselves and the stone bands in these are rather inconsistent. However, the bottom section is the most consistent section of Seam-I. It is about 5-6m thick. This section is of best quality.

Table-2

Sl. No.	Particulars	Thickness range (m)	
		From	To
1	Seam I (Top)	1.00m	3.60m
	Parting of top and middle	3.40m	8.70m
2	Seam I (middle)	0.50m	3.00m
	Parting of middle & bottom	3.00m	9.00m
3	Seam I (bottom)	4.80m	9.00m

QUALITY OF COAL SEAMS

The coal of the top section is comparatively of inferior quality. Earlier the quality of the coal from bottom section was of grade A. Average quality of the coal being produced is of grade B. The coal analysis report available from the mine record is given below.

Table-3

Coal analysis result (CIMFR Report)

	Wt.in gm	Size passing	Moist %	Ash%	VM%	FC%	GCV	UHV
Steam-I	1820	3mm	8.2	11.9	33.2	46.7	6205	6126
Slack-I	1780	3mm	7.9	11.9	32.9	47.3	6255	6188
ROM	1560	3mm	7.8	11.9	33.7	46.6	6270	6181

12. LAND REQUIREMENT

Talcher Underground mine was a running mine, now the production has been stopped since 24.02.2018 the total leasehold area is about 1140.023ha. The break-up of land details is given below:

Table-4

S. No	Land use	Area (ha)
1.	Forest	294.407
2.	Non Forest(Govt.Land)	406.841
3.	Tenancy Land	438.775
4.	Total	1140.023

• Pre-Mining Table-5

Sl. No	LAND USE	Total in ha
1	Forest land	294.407
2	Agricultural land	359.301
3	Waste land/Govt.land	274.459
4	Grazing land	----

5	Surface water body	13.00
6	Settlements (a) Village (b) Colony (c) Infrastructure	70.00 93.856 35.00
7	Others	----
	Total mine lease	1140.023
8	Surface infrastructure outside mining lease area	
	Total Mine Lease	1140.023

- **During Mining Land Use - Table No:6**

Si No	Item/Purpose	Forest	Non-Forest	Total
1.	Mine surface including 128.856Ha infrastructure & Colony etc.	227.668	462.112	689.780
2.	(Total Mine Area)	--	--	689.780
3.	Surface Infrastructure (outside ML area) (Existing Colony & Future Colony)	0	0	0
4.	Total Land Requirement	227.668	462.112	689.780
	Opencast working area	66.739	38.504	450.243
	Total Leasehold area			1140.023

- **Post Mining Land Use:Table-7**

Si No	Item/purpose	Plantation	Un-disturbed Forest	Built up Area	Un-disturbed land	Total
1.	Mine Surface	5.00	227.66	163.856	258.256	654.780
2.	Surface Infrastructure	----	----	35.00		35.000
	Mine Lease Area					689.780

	(1+2)					
3	Surface Infrastructure outside ML area					Nil
Total Land Requirement (1+2+3)						689.780
Open Cast Area (a) Ananta OCP = 204.843 (b) Jagannath OCP = 202.400 (c) Lingaraj OCP = 43.000						450.243
Total Lease Hold Area						1140.023

13. WATER DEMAND AND SUPPLY ARRANGEMENT

The water supply arrangement basically includes potable and industrial water demand of the project.

(Fig. In KLD)

Demand head	Total for (0.27 Mty)
Potable	910KLD
Industrial (including fire-fighting)	8016
Total	8926KLD

- Potable water is being met from IWSS, the same arrangement will continue.
- Industrial water demand is being and will be met from mine water.

14. COAL WINNING

At present coal production is stopped since 24.02.2018. Earlier coal has been extracted using bord & pillar method.

15. MANPOWER

The existing manpower of the project is 643.

Sl. No.	Particulars	Strength
1	Executives	14
2	Monthly rated	80

3	Daily rated	548
4	Piece rated	1
Total		643

16. PUMPING

PUMPING ARRANGEMENT

There are three pumping stations in the mine namely L-1 Pump House 7 No Pump House and G-2 Pump House. Water from various part of the mine are collected in these pump houses. From L-1 and G-2 pump house water is pumped out directly through bore holes and from 7No pump house through pit no-1.

The installed pumping arrangement in the mine is sufficient to deal with the mine water and the water re-introduced in to the mine for hydraulic stowing purpose.

Table-8
Details of Pumping Stations

Designation of Pumping station	Capacity	Make of pumps	Head	KW/H.P
7 No. pumping Station	1000GPM	Beckon weir Maxflow	180m 150m	212KW 171KW
L-1 No. pumping station	1000GPM 3 Nos.	Kirloskar	150m	212KW
G-2 pumping station	1000GPM 595 GPM 500 GPM	Maxflow Mather & Platt Kirloskar	150m 150m 90m	212KW 127KW 110KW

FACE PUMPS

Face pumps having specification of 11 LPS discharge, 25 m head, 13kW power are being used in the working district.

17. MINE VENTILATION

The mine is ventilated by an Axial Flow "Andreyule" fan. The fan is installed in pit no-2 (up cast shaft). The seam is of degree 1 Gassiness. The main intake air-current is spilt and conducted to different working places by means of ventilation stopping and air crossings. Coursing of air is done by temporary stopping wherever needed as per statute.

Table-9
SPECIFICATION OF MAIN MECHANICAL VENTILATOR

	Make & Model	Dia.(m)	R.P.M	kW	Volts
Fan Details	Andreyule Axial flow A.V make	2.802	494	-	-
Fan motor Details	Kirloskar Elect.Co Ltd & KD400	-	988	252	3300

18. EXPLOSIVE & BLASTING

Winning of coal is being done by Blasting of solid in development districts and in splitting of pillars in depillaring districts .

Average consumption of explosives(P5) = 10000kg/month

Average consumption of detonators = 25000 nos/month

STORAGE OF EXPLOSIVE

Talcher Collier has two explosive magazines i.e. service magazine and main magazine.

19. MINED OUT LAND & PROPOSED FINAL LAND USE

The land-use due to underground mining is disturbed mainly due to construction of the surface facilities, e.g., shaft complexes, incline complexes, coal handling plants, coal washeries, roads, railway sidings, etc. and also due to damage to the land due to subsidence.

Subsidence prediction study will be carried out for this project. So there will be no safety and fire hazards for the neighboring community after the mine closure. Using the predicted subsidence movement, the impacts on the surface properties and the surface drainage system will be determined. Also, possibilities of the development of the cracks and their likely width will be predicted.

Capping of the shaft and incline or any other opening of the mine will be effectively sealed so that illegal mining from these openings and safety hazards due to fire and water, are prevented in the abandoned mine.

If the infrastructure is dismantled and the land is restored to some useful purpose, the alternate land-use will be decided considering the conditions prevailing during the period 5 years in advance of the closure of the mine.

20. POWER SUPPLY

The Talcher Underground project receives power at 11KV from main substation at South Balandia Colliery 33KV/11KV through feeders belonging to MCL.

21. DESPATCH ARRANGEMENT

Besides the local demand, coal from this coalfield are being transported by rail route or coastal Shipping via Paradip port to costal power stations of southern India. Necessary infrastructural development activities in the form of doubling of rail tracks in Paradip-Talcher section of the SE Railways and increased coal handling facilities at Paradip port are in different stages of consideration.

22. COAL WASHING

No Washing of coal is there in existing Talcher Colliery.

23. ENVIRONMENTAL MONITORING

Routine Environment monitoring will be done for the project. For air, water and noise pollution control measures, the samples will be collected and tested round the year with appropriate frequency at strategic places.

24. SUBSIDENCE MANAGEMENT

Attempt has been made to minimize the land requirement for the project. Due to subsidence, surface cracks are likely to occur over the mining area and these are to be filled up properly and regularly by clay and stone chips and thereafter with a 0.3 m high heap of clay over the cracks. It helps in achieving original drainage pattern over the erosion of top-soil and avoid chances of underground inundation and spontaneous heating. Surface drains should be made outside the subsidence area to prevent the surface water of the adjoining area to coming into active subsidence area. While extracting panels in the lower seam, it will be necessary to drain all water bodies in the subsidence area. It is also suggested that dewatering of old goaves of upper seam

needs to be continued as long as the lower seam is worked to prevent accumulation of large water bodies over working area. Provision has to be made for re-vegetation of the subsidence affected area with suitable species of plants to take care of losses.

25. SAFETY ASPECTS

Housing facilities, water supply arrangement, first aid centre etc. as per Mines Rules for the workers so as to provide healthy environment for them has been provided in Talcher Colliery.

OTHER SAFETY PRECAUTIONS TO BE TAKEN ARE:

- Regular inspection of disused workings.
- Fencing of unsafe workings
- Regular check of any contraband like cigarette , match box, lighter, etc. at mine entry
- Maintenance of traveling roadways.
- Provision of safety equipment's in conveyor and haulage roadways.

26. MINE CLOSURE ACTIVITIES

The total leasehold area of Talcher colliery is 1140.023ha . Out of 1140.023 ha, mine boundary area is 689.78ha, balance area has been considered in Ananta OCP, Jagannath OCP and Lingaraj OCP as per letter No.550112(1)/2009/CPAM of Government of India Ministry of Coal dated 7th June 2011, the mine closure cost of overlapping area of the mine would be deposited in the ESCROW account as applicable for Opencast area and no separate cost for underground portion of the overlapping area is payable.

The overlapping area of Lingaraj Opencast within 689.78ha is given below:

Quarry Boundary	:	37.31 ha
Blasting Zone	:	88.39 ha
External OB dump	:	4.758 ha

The total overlapping area comes to about 130.464ha. For the purpose of calculation of mine closure cost the overlapping area of 130.464ha is being deducted from the mine boundary area 689.78ha. **The total area considered is (689.78ha)**

130.464ha) i.e. 559.31ha. The updated cost of mine closure as on August 2011 is estimated to be **Rs.1.195 Lakh per Hectare.**

Total leasehold area involved : 559.31 ha
 Mine Closure cost/Ha (August 2011) : Rs.1.195lakh
 Total Mine closure cost (August 2011) : Rs.668.38 lakh

An amount equal to the annual cost is to be deposited each year throughout the mine life compounded @ 5% annually.

Life of the Project : 50 years
 Annual mine closure amount to be deposited with Coal Controller : Rs.668.38lakh/50 years = 13.37 lakhs per year.

The total amount for 50 year compounded @5% annually is **Rs.2798.35 lakhs**

SUMMARY OF ESCROW FUND DEPOSITED BY TALCHER U/G

- 1)Type of mine: **Underground**
- 2)Size of the mine: **1140.023Ha**
- 3)Production: Peak Capacity **0.27MTY**
- 4)ESCROW Account No: **365203800000757 Union Bank of India Sambalpur**

Table : 10 (Year wise deposit in Rs)

Si No	Year	Amount Scheduled as per MCP(Lakhs)	Actual amount deposited in ESCROW account
1	2011-12	Rs.13.37	Rs.27,41,000.0 Deposited on 08.10.2013
2	2012-13	Rs.14.04	
3	2013-14	Rs.14.74	Rs.14,74,000.0 Deposited on 16.06.2014
4	2014-15	Rs.15.47	Rs.15,47,000.0 Deposited on 31.03.2015
5	2015-16	Rs.16.25	Rs. 16,25,000.0 Deposited on 31.03.2016
6	2016-17	Rs.17.06	Rs.17,06,000.0 Deposited on 31.03.2017
7	2017-18	Rs.17.91	Rs.17,91,000.0 Deposited on 31.03.2018
Total Balance amount as on 31.03.2018 including interest			Rs. 1,32,68,153.00

Talcher U/G deposited MCP cost in the escrow accounts from 08.10.2013 to 31.03.2018 i.e. **Rs 1,32,68,153.00** (including for the year 2012-13) .

27. REHABILITATION AND RESETTLEMENT

Talcher Underground mine is a running mine since 1928. All the rehabilitation & resettlement activities already been done.

Date: 21.09.2018

Place: TALCHER COAL MINE, M.C.R.

Signature of the applicant:

WHO IS YOUR CREDIT WELL-NAME AND ADDRESS

(Project Proponent / Authorized Signatory)

SRI. PRIYA SHANKER SINHA,
Dy. GM / Doct & H/o).

Job No.706149

Form-I, Page - 16

TALCHER COLLIERY,
AT/PD: DERA, TALCHER, ANGUL

ODI8HA - 759103.

STATE - I

Copy of letter No. B-132/90-SC Dated 14.9.95 from INDIRA BHAVIJJA
Sr. Asst. Inspector General of Forests, Govt. of India, Ministry
of Environment and Forests, Parivartan Bhawan, C.O.O. Complex,
New Road, New Delhi addressed to Secretary P & E Department.

-x-x-x-x-

Sub:- 1. Diversion of 193.743 ha. of forest land for
renewal of lease of Talcher Colliery (underground)
for SAIL in Jharkhand district of Orissa.

I am directed to refer to your letter No. 107(Cons)/81/
9/15711/PEA dated 6.7.1990 and No. P.107(Cons)34/95/5562/PEA
dated 22nd March, 1995 on the above mentioned subject seeking prior
approval of the Central Govt. in accordance with Section-2 of
the Forest (Conservation) Act, 1980 and to say that the proposal
has been examined by the Advisory Committee constituted by the
Central Government under Section-3 of the aforesaid Act.

2. After careful consideration of the proposal of the
State Govt. and on the facts of the recommendation of the above
mentioned Advisory Committee, the Central Government hereby
conveys its approval under Section 2 of the Forest (Conservation)
Act, 1980, for diversion of 193.743 ha. of forest land
for renewal of lease of Talcher Colliery (underground) of SAIL in
Jharkhand district subject to the following conditions.

1) Legal status of the forest land will remain
unchanged.

2) Compensatory afforestation to be raised on 200ha.
of degraded forest land at the cost of the user
agency.

3) Implementation of Reclamation plan at the cost
of user agency.

4) The forest land should not be used for any purpose
other than specified in the proposal.

SD/-
Indira Bhavija
Sr. Asst. M.O. of Forests.

Government of Orissa
Forest and Environment Department.

Letter No. 107(Cons)34/95

SLN., Date

Copy forwarded to the Principal Chief Conservator
of Forest, Orissa for information and necessary action.

Deputy Secretary to Government.

Mem No. /P&E, Date.

Copy forwarded to the Conservator of Forest, Angul
Circle/Divisional Forest Officer, Angul Division for information
and necessary action.

Deputy Secretary to Government.

Mem No. 22093/PEA, Date. 28/1/95

Copy forwarded to Steel & Mines Department/0.9.

July 1995
Talcher Colliery, Talcher area P.O. Tera Colliery, Dt- Angul for
information and necessary action.

Deputy Secretary to Government.

say/

NO. 8-144/89-FC

-Frosty

29/11/26

198
191
COMESTIB. 1.17.33

3-9.1.96

The Secretary
Forest Department
Government of Orissa
Bhubaneswar.

Subject: Diversion of 33,925 ha. of forest land for renewal of mining lease
of Talcher Colliery in Angul district of Orissa.

Sir,

I am directed to refer to your letter No.10F(Cons)56/94/16119/F&E dated 1st September, 1994 on the above mentioned subject seeking prior approval of the Central Government in accordance with Section-2 of the Forest (Conservation) Act, 1980 and to say that the proposal has been examined by the Advisory Committee constituted by the Central Government under Section-3 of the aforesaid Act.

After careful consideration of the proposal of the State Government and on the basis of the recommendation of the above mentioned Advisory Committee, the Central Government hereby conveys its approval under section 17 of the Forest (Conservation) Act, 1980 for diversion of 33.925 ha. of forest land for renewal of mining lease of Talcher Colliery for a period of 30 years in the Angul district subject to the following conditions:-

the following conditions:-

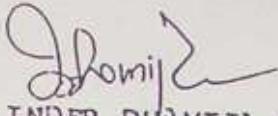
- i) Legal status of the forest land will remain unchanged.
- ii) Implementation of Reclamation Plan at the cost of user agency.
- iii) The proposed area of 325 ha will not be used for any other non-forest use.

Yours faithfully,

(INDER DHAMIJA)
Sr. Asstt. Inspector General of Forests

Copy to:-

1. Principal Chief Conservator of Forests, Govt. of Orissa, Bhubaneshwar.
2. Nodal Officer, Office of PCCF, Govt. of Orissa, Bhubaneshwar.
3. The CCF (Central) Regional Office, Bhubaneshwar.
4. The AIG RO (HQ) New Delhi.
5. Guard file.


(INDER DHAMIJA)
Sr. Asstt. Inspector General of Forests

No. II 144/19/FT
Government of India
Ministry of Environment & Forests
Dept. of Environment, Forests & Wildlife

Paryavaran Bhavan, CGO Complex,
Lodi Road, New Delhi-110003.

To

September 28, 1990.

The Secretary
Forest Department
Govt. of Orissa,
Bhubaneswar.

Subject: Diversion of 31.02 ha. of forest land in Dhenkanal
Distt. for Ananta Open-cast Coal Project.

Sir,

I am directed to refer to your letter No 10F(Cons.)/87/2424/FFAHtd 1.2.89 on the above-mentioned subject seeking prior approval of the Central Govt. in accordance with Section 2 of the Forest(Conservation) Act, 1980 and to say that the proposal has been examined by the Advisory Committee constituted by the Central Government under Section 3 of the aforesaid Act,

2. After careful consideration of the proposal of the State Government and on the basis of the recommendation of the above mentioned Advisory Committee, the Central Government hereby conveys its approval under Section 2 of the Forest(Conservation) Act, 1980 for release of 31.02 ha. of forest land in Dhenkanal distt. for Ananta open-cast coal project, subject to the following conditions :-

- i). The legal status of the forest land will remain unchanged.
- ii) Compensatory plantation to be raised over equivalent non-forest land at the cost of the project. The non-forest land identified for this purpose should be handed over to the Forest Deptt. and notified as protected forests before the release of forest lands being diverted by these orders.
- iii) Mined over area to be reclaimed/restored after mining/quarrying is over.
- iv) In order that the construction labour and staff while working on the project in the forest area may not cause destruction to the forest area for meeting their fuel-wood needs, the user agency will establish fuelwood depots, and will provide the fuelwood to them free of cost.
- v) Arrangements to be made by the project authorities for free supply of fuelwood or other sources of energy to the staff and labourers engaged in the project free of cost.
- vi) No explosives should be allowed to be stored in the forest area.
- vii) The conditions/safeguards proposed by the Environment

Wing of this Ministry, while clearing the project,
to be followed rigidly.

Yours faithfully,

Anil

(BHAGWAN SINGH)
ASSTT. INSPECTOR GENERAL OF FORESTS.

Copy to :-

1. Principal CCF, Govt. of Orissa, Bhubaneshwar.
2. CCF(Central), Regional Officer, Bhubaneshwar.
3. Regional Officer(HQ), New Delhi.
4. ~~Guard, file.~~

(BHAGWAN SINGH)
ASSTT. INSPECTOR GENERAL OF FORESTS

Sri. S. B. (A)

No. B-99/87-FC
Government of India
Ministry of Environment & Forests
Dept. of Environment, Forests and Wildlife

Parivartan Bhawan,
S-6 Complex, Lodi Road,
New Delhi, 110003.

Dated the 2nd March, 1989.

To

The Secretary,
Forests, Fisheries, and A.H.
Department,
Govt. of Orissa,
Bhubaneshwar.

TH

Sub: Release of 186.311 ha. of forest land in Dhenkanal
district for Colliery Operation by South Eastern
Coalfields, Ltd. in Lingraj Open Cast Project.

Sir,

I am directed to refer to your letter No. 10F (Con.)
-5/07/87/FFAH, dated 15.4.87. on the above mentioned
subject seeking prior approval of the Central Govt. in
accordance with Section-2 of the Forest (Conservation)
Act, 1980 and to say that the proposal has been examined
by the Advisory Committee constituted by the Central
Government under Section-3 of the aforesaid Act.

2. After careful consideration of the proposal of the
State Government and on the basis of the recommendation
of the above mentioned Advisory Committee, the Central
Government hereby conveys its approval under Section-2
of the Forest (Conservation) Act, 1980 for release of
186.311 ha. of forest land in Dhenkanal district for
Colliery Operation by South Eastern Coalfields Ltd. in
Lingraj Open Cast Project, subject to the following
conditions:-

1. The rehabilitation of the families/persons by
the project should be undertaken on non-forest
land and the rehabilitation plan should be
approved by the Environment Wing of this Ministry.

2. The forest area proposed to be diverted will be
for South Block only. This may be confirmed
before actually diverting the forest for this
purpose.

3. No forest area shall be diverted for magazine.

4. Legal status of the forest land will remain
unchanged.

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MINISTRY OF ENVIRONMENT & FORESTS

5. Mined over area should be reclaimed/restored immediately after mining is over.
6. In order that the construction labour and staff while working on the project in the forest area does not cause damage to the forest area for meeting their fuelwood needs, the user agency will establish fuelwood depots, and will provide the fuelwood to them free of cost or its cost deducted from their salary and wages.
7. No explosives should be allowed to be stored in the forest area.
8. This approval is subject to the formal clearance of the Project from the Environmental angle by this Ministry. The conditions/safeguards proposed by the Environment Wing of this Ministry, while clearing the project, should be followed rigidly.
9. Compensatory plantation should be raised over equivalent non-forest land at the cost of the project. The non-forest land identified for this purpose should be handed over to the Forest Department and notified as Protected Forests before the release of forest lands being diverted by the orders. However, if there is difficulty in locating the non-forest area for compensatory afforestation immediately, compensatory afforestation should be raised over twice the degraded forest area with the undertaking from the Coal India Ltd., that they will find equivalent non-forest area within two years' time and raise compensatory afforestation thereon in addition to the compensatory afforestation raised on degraded forests.

Yours faithfully,

(ANSAR AHMED)
Assistant Inspector General of Forests.

Copy to:-

1. Ministry of Energy (Dept. of Coal - Shri R.K. Sachdev, Director), Shastri Bhavan, New Delhi. No work, however should be taken up unless the forest area is actually handed over by the State Forest Deptt.
2. Chief Conservator of Forests, Govt. of Orissa, Cuttack.
3. Conservator of Forests - Regional Office, Bhubaneshwar.

(ANSAR AHMED)
Assistant Inspector General of Forests.

Divisional Forest Officer
Arun Jaiswal