



MCL



कंपनी सचिवालय
Company Secretariat

महानदी कोलफील्ड्स लिमिटेड
(भारत सरकार का उद्यम)
MAHANADI COALFIELDS LIMITED
(A Government of India Enterprise)

Ref. No. MCL/SBP/CS/CR-3/2023-24/13556

Date: 23.09.2023

CONFIDENTIAL

सेवा में,
महाप्रबंधक (P&P)
महानदी कोलफील्ड्स लिमिटेड
सम्बलपुर-768020

विषय: Circular Resolutions under Section 175 of the Companies Act, 2013 - Approval of Corrigendum to Mining Plan and Mine Closure Plan for Bhubaneswari OCP (30.0 MTY) (Revision-2).

Dear Sir,

Reproduced below is the resolution approved by the majority of Members of MCL Board by way of Circulation under Section 175 of the Companies Act, 2013. The same is forwarded herewith for your information and further necessary action.

Quote

The Board considered the agenda note sent in circulation and approved the proposal of Corrigendum to Mining Plan for Bhubaneswari OCP (30 MTY) (Revision-2) for the changes in the land use table of Chapter-1, 3 6 & 8 in previously approved Mining Plan for submission to State Govt. & MoEF & CC as per the details brought out in the agenda note.

Unquote

भवदीय,

सचिव

कंपनी सचिव

सचिव
महा प्रबंधक
जननायक
Genl.
Jagdish Chandra, MCL.

प्रणीत संख्या / Reception No. 8.11.23
दिनांक / Date: 23.09.2023



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गोन्दवाना प्लेस, कान्के रोड, राँची - 834 031, झारखंड (भारत)
Central Mine Planning & Design Institute Limited
(A Subsidiary of Coal India Limited / Govt. of India Public Sector Undertaking)
Gondwana Place, Kanke Road, Ranchi - 834 031, Jharkhand (INDIA)
CORPORATE IDENTITY NUMBER - U14292JH1975GOI001223

CMPDI, RI-VII, Bhubaneswar
Dated: August 19, 2023

CORRIGENDUM

Subject: Corrigendum to Mine Plan (MP) and Mine Closure Plan (MCP) of Bhubaneswari Open Cast Project (OCP) - 30 Mty, Revision-2

This corrigendum is being issued for the MP&MCP concerning the Bhubaneswari OCP, featuring a production capacity of 30 Mty, Revision 2. The purpose of this corrigendum is to address inaccuracies, integrate revisions, and offer current information within the mentioned MP&MCP.

Revised Version: MP&MCP of Bhubaneswari OCP, 30.0 Mty (Rev-2) minor modifications Aug, 2023

The following list provides a description of the changes made to the MP&MCP.

On the second page of Chapter 1, in Section 1.2.5, and on the first page of Chapter 6, in Section 6.1.1, the following tables appear:

Items		MP&MCP of Bhubaneswari (28 Mty), Revision-1			Proposed MP&MCP of Bhubaneswari (30 Mty), Revision-2		
Sl.	Particulars	Total Area in ha			Total Area in ha		
	(ML-mining lease)	Forest	Non-forest	Total	Forest	Non-forest	Total
1.	Quarry Excavation area	105.808	477.944	583.752	126.191*	488.531**	614.722
2.	Safety zone		5.747	5.747		6.163**	6.163
3.	Infrastructure (CHP, Washery, Silo point, project office, laying of railway lines for dispatch point) & Future working expansion Area**	6.713	29.609	36.322	6.713	18.606	25.319
4.	Embankment	NIL	12.52	12.52	NIL	12.52	12.52
A.	Total ML area	112.521	525.820	638.341	132.904	525.820	658.724
NOTE	<p>Note: *20.383 Ha of Forest land is taken under Quarry Excavation area.</p> <p>**The area under Future Expansion area is annexed under the proposed quarry excavation area and safety zone.</p>						
	<ul style="list-style-type: none"> Additional 11.003 ha of future expansion area showed in Revision-1 goes to the Quarry area (10.587 ha) and partly to the safety zone of (0.416 ha), making it to a total of 11.003 ha. This was the non-forest area adjacent to the forest area of 20.383 ha blocked because of non-clearance of this forest area. Additionally 149.57 Ha of non-forest land may be required for residential colony, Rehabilitation & resettlement. 						



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गोन्दवाना प्लेस, कान्के रोड, रांची - 834 031, झारखंड (भारत)
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This should read as in both the places (reference: Chapter-1, page-2, section-1.2.5, as well as Chapter-6, page-1, Section-6.1.1):

Items		MP&MCP of Bhubaneswari (28 Mty), Revision-1			Proposed MP&MCP of Bhubaneswari (30 Mty), Revision-2		
Sl.	Particulars	Total Area in ha			Total Area in ha		
	(ML-mining lease)	Forest	Non-forest	Total	Forest	Non-forest	Total
1.	Quarry Excavation area	105.808	477.944	583.752	125.576*	488.531**	614.107
2.	Safety zone		5.747	5.747	0.615	6.163**	6.778
3.	Infrastructure (CHP, Washery, Silo point, project office, laying of railway lines for dispatch point) & Future working expansion Area**	6.713	29.609	36.322	6.713	18.606	25.319
4.	Embankment	NIL	12.52	12.52	NIL	12.52	12.52
A. Total ML area		112.521	525.820	638.341	132.904	525.820	658.724
NOTE	<p>Note: *Out of 20.383 Ha of Forest land, 19.768 ha is taken under Quarry Excavation area and 0.615 Ha is kept as safety zone area</p> <p>**The area under Future Expansion area is annexed under the proposed quarry excavation area and safety zone.</p>						
	<ul style="list-style-type: none"> Additional 11.003 ha of future expansion area showed in Revision-1 goes to the Quarry area (10.587 ha) and partly to the safety zone of (0.416 ha), making it to a total of 11.003 ha. This was the non-forest area adjacent to the forest area of 20.383 ha blocked because of non-clearance of this forest area. Additionally, 149.57 Ha of non-forest land may be required for residential colony, Rehabilitation & resettlement. 6.033 Ha which was kept as safety zone outside mine lease will be taken under Quarry Excavation in future expansion project 						



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On page 7 of Chapter 3, in Section 3.6, the following Table 3.4 appears:

Table - 3.4: Geo-mining Characteristics (Including mined out area)

Sl.	Particulars	Unit	As per Expn. Project (30 Mty)
1.	Area		
(i)	Along floor (Total)	ha	425.925
(ii)	Along surface(Total)	ha	614.722
2.	Mineable Reserve*	Mt	124.46
3.	Overburden*	Mcum	186.42
4.	Stripping ratio*	m ³ /t	1.50
5.	Annual production	Mt	30
6.	Life of quarry*	year	5
7(a)	Strike length along floor		
(i)	Minimum	m	189.86
(ii)	Maximum	m	2100
7(b)	Strike length along surface		
(i)	Minimum	m	550.54
(ii)	Maximum	m	2400
8.	Depth of quarry		
(i)	Minimum	m	97.99
(ii)	Maximum	m	217.50
9.	Avg. seam thickness	m	95.30
10.	Gradient	-	2° - 7°
11.	Quarry perimeter Total	m	11858.70

✓ This should read as (reference : #Chapter-3, page-7, Section-3.6, Table - 3.4):

Table - 3.4: Geo-mining Characteristics (Including mined out area)

Sl.	Particulars	Unit	As per Expn. Project (30 Mty)
1.	Area		
(i)	Along floor (Total)	ha	425.925
(ii)	Along surface(Total)	ha	614.107
2.	Mineable Reserve*	Mt	124.46
3.	Overburden*	Mcum	186.42
4.	Stripping ratio*	m ³ /t	1.50
5.	Annual production	Mt	30
6.	Life of quarry*	year	5
7(a)	Strike length along floor		
(i)	Minimum	m	189.86
(ii)	Maximum	m	2100
7(b)	Strike length along surface		
(i)	Minimum	m	550.54
(ii)	Maximum	m	2400
8.	Depth of quarry		
(i)	Minimum	m	97.99
(ii)	Maximum	m	217.50
9.	Avg. seam thickness	m	95.30
10.	Gradient	-	2° - 7°
11.	Quarry perimeter Total	m	11858.70



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(कोल इण्डिया लिमिटेड की अंतर्गत कंपनी / भारत सरकार का एक नवीन उद्यम)
गोन्दावना प्लेस, कान्के रोड, रांची - 834 031, झारखंड (भारत)
Central Mine Planning & Design Institute Limited
(A Subsidiary of Coal India Limited / Govt. of India Public Sector Undertaking)
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On page 2 of Chapter 6, in Section 6.1.2, the following table appears:

During mining Land use details:

Type	Land use (Proposed)	Land use (End of Life)	Land Use (Post Closure)						Total
			Agricultural land	Plantation/ Grass carpeting	Unfilled void	Public/ Company use	Forest land (Returned)	Undisturbed	
Excavation Area	614.722								614.722
Backfilled Area		339.488		339.488					339.488
Excavated Void		275.234			266.628	8.606			275.234
Without plantation									
Temp Top soil dump									
External dump									
Safety zone	6.163	6.163		4.093	2.07				6.163
Haul road between quarries									
Road diversion									
Diversion/ below river/ nala/ canal									
Settling pond									
Road & infrastructure area	25.319	15.319		6.713		8.606			15.319
Rationalization area									
Garland drains	2.07	2.07			2.07				2.07
Embankment	12.52	12.52		12.52					12.52
Green Belt		10.00		10.00					10.00
Water Reservoir (pit)									
UG entry									
Undisturbed/ Mining right for UG									
Resettlement									
Pit head power plant									
Water harvesting									
Agricultural land									
Total Lease area	658.724	658.724		372.814	268.698	17.212			658.724
Colony	32.00	32.00		6.400		25.600			32.00
Resettlement	117.57	117.57		23.520		94.050			117.57
Outside infrastructure									
Total outside area	149.57	149.57		29.920		119.650			149.57
Total Project area	808.294	808.294		402.734	268.698	136.862			808.294



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This should read as (reference : Chapter-6, page-2, Section-6.1.2):

During mining Land use details:

Type	Land use (Proposed)	Land use (End of Life)	Land Use (Post Closure)						Total
			Agricultural land	Plantation/ Grass carpeting	Unfilled void	Public/ Company use	Forest land (Returned)	Undisturbed	
Excavation Area	614.107								614.107
Backfilled Area		339.488		339.488					339.488
Excavated Void		274.619			266.013	8.606			274.619
Without plantation									
Temp Top soil dump									
External dump									
Safety zone	6.778	6.778		6.778					6.778
Haul road between quarries									
Road diversion									
Diversion/ below river/ nala/ canal									
Settling pond									
Road & infrastructure area	25.319	15.319		6.713		8.606			15.319
Rationalization area									
Garland drains									
Embankment	12.52	12.52		12.52					12.52
Green Belt		10.00		10.00					10.00
Water Reservoir (pit)									
UG entry									
Undisturbed/ Mining right for UG									
Resettlement									
Pit head power plant									
Water harvesting									
Agricultural land									
Total Lease area	658.724	658.724		375.499	266.013	17.212			658.724
Colony	32.00	32.00		6.400		25.600			32.00
Resettlement	117.57	117.57		23.520		94.050			117.57
Outside infrastructure									
Total outside area	149.57	149.57		29.920		119.650			149.57
Total Project area	808.294	808.294		405.419	266.013	136.862			808.294

Note: Regarding Forest land returned: The MP&MCP of Bhubaneswari OCP, 50 Mty has been approved and the existing internal dump will be required to facilitate the future OB accommodation. This expansion introduces practical limitations that impede the restoration of forest land within the scope of the upcoming mine expansion. Given the anticipated advancement, facilitating the reclamation of forest land within this expanding operational area becomes unfeasible and cannot be implemented in the MP&MCP of Bhubaneswari OCP, 30 Mty (Rev-2).



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On page 1 of Chapter 8, in Section 8.1.1, the following table appears:

Tentative Land Degradation and Technical Reclamation (Commulative Area "Ha")

	Land Degraded				Technically Reclaimed Area			
	Excavn. area	Dump (Extn + Top soil)	Infra/ others	Total	Backfill	Dump (Extn + Top soil)	Others	Total
As on 01.04.22	428.625	83.97	36.202	548.797	148.500	-		148.50
YR-1	494.726	53.30	37.762	585.789	172.350	-	37.762	210.112
YR-3	590.222	5.233	38.769	634.224	319.524		38.769	358.293
YR-5	614.722		44.002	658.724	339.488		44.002	383.490
Post-closure* (Conceptual)								
YR-8	The mine to be continued further.							

This should read as (reference : Chapter-8, page-1, Section-8.1.1):

Tentative Land Degradation and Technical Reclamation (Commulative Area "Ha")

	Land Degraded				Technically Reclaimed Area			
	Excavn. area	Dump (Extn + Top soil)	Infra/ others	Total	Backfill	Dump (Extn + Top soil)	Others	Total
As on 01.04.22	428.625	83.97	36.202	548.797	148.500	-		148.50
YR-1	494.726	53.30	37.762	585.789	172.350	-	37.762	210.112
YR-3	590.222	5.233	38.769	634.224	319.524		38.769	358.293
YR-5	614.107		44.617	658.724	339.488		44.002	383.490
Post-closure* (Conceptual)								
YR-8	The mine to be continued further.							