



वेस्टर्न कोलफील्ड्स लिमिटेड,
 क्षेत्रीय महाप्रबंधक कार्यालय, पायाखेडा क्षेत्र,
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Ref. No. WCL/PKD/AGM/PLG/2019/ 33

Date: 03/05/2019

प्रति,
 अपर प्रधान मुख्य वन संरक्षक (भूप्रबंध)
 सतपुडा भवन,
 भोपाल (मध्य प्रदेश)

विषय :- Diversion of 25.866 ha. Revenue forest land for extraction of under ground coal mining (Tawa-III) in village Gandhigram in favour of Chief Manager, WCL in Betul District in Madhya Pradesh.

संदर्भ :- No.6-MPC001/2018-BHO/175 दिनांक 21/02/2019

महोदय,

With reference to the above cited letter, we are submitting desired pointwise information as under :-

Sl. No.	Information required	Clarifications
1	The FRA certificate from concerned District Collector.	FRA certificate is under process
2	Copy of Reclamation plan duly approved from competent authority	Attached as A-1
3	State Govt. of MP vide letter dt. 23/01/2019 had submitted that the proposed area does not fall in 10 Km radius from Panchamari Biosphere Reserve. However contradictory view of Divisional Forest Officer in its Site Inspection Report dated 19/04/2017 at point no. 24 needs to be clarified	Related to State Forest Dept.
4	The DDS analysis reveals that the proposed area in 6.45 Km away from Satpura Melghat Tiger Corridor. Hence, recommendation of CWLW shall be submitted.	It is humble request to Nodal Officer (FC) to get recommendation of CWLW
5	The KML file submitted shows area of 36.298 Ha. excess of 10.432 ha over proposed area of 25.866 ha. Thus, the KML of exact 25.866 ha may be submitted.	KML file of exact area has been changed in the online application.

आपकी जानकारी एवं आगामी कार्यवाही हेतु प्रेषित ।

भवदीय,

[Signature]
 3/5/2019
 क्षेत्रीय योजना अधिकारी
 पायाखेडा क्षेत्र अधिकारी
 पायाखेडा क्षेत्र, बैतूल जिला
 Area Officer, WCL
 Path...

प्रतिलिपी :-

1. उपवन संरक्षक (केन्द्रीय) क्षेत्रीय कार्यालय, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार भोपाल (म.प्र.)
2. क्षेत्रीय महाप्रबंधक, पायाखेडा क्षेत्र

19.3 CAPITAL & REVENUE COSTS

In addition to the Capital Cost of Rs. 70.80 Lakhs, Revenue Cost of Rs. 6.00 per tonne of coal produced has been considered for the entire mine life for plantation & green belt development, environmental monitoring, social development, for the mitigation of environmental impacts and miscellaneous pollution control measures.

20.0 MINE CLOSURE PLANNING

As directed through memorandum No. 55011-01-2009-CPAM of Government of India, Ministry of Coal, Shastri Bhawan, New Delhi dated 27/08/2009, Mine Closure Plan has to be enclosed with all PRs / EMPs. In the Annexure to this memorandum, guidelines for preparing the Mine Closure Plan and assessing the capital cost of mine closure have been specified.

Mine Closure cost has been computed based on the recent guidelines circulated by Government of India, Ministry of Coal, Shastri Bhawan, New Delhi. The closure activities will include subsidence survey for a period of 3 years after mine closure, filling of subsidence cracks, fencing of caved out area and post-project monitoring for a period of 3 years after mine closure.

Taking the recent guidelines into consideration, the Mine Closure Cost in this Recast Project Report for Tawa-III U/G Mine works out to Rs. 6.34/t. Considering first year of the project as 2018-19, the mine closure cost has been calculated as follows:

CALCULATION OF MINE CLOSURE COST		
1	Total Area of the Mine (ha)	207.47
2	WPI value as on August 2009 (Base WPI)	83.02
3	WPI value of current available month (Dec' 2017 - Provisional)	115.7
4	Ratio of WPI (December 2017 : August 2009) - $[(4) = (3 \div 2)]$	1.393640087
5	Amount to be considered for underground (Rs. / ha)	100000
6	Total Mine Closure Corpus Fund for 2017-18 (Rs. 000s) - $[(6) = (1 \times 4 \times 5)]$	28914
7	Total Life of Tawa-III U/G Mine (Years)	20
8	Annual Mine Closure Cost for 2017-18 (Rs. 000s)	1446
9	Annual Mine Closure Cost for 1st year of the project (2018-19) With escalation @ 5% per annum (Rs. 000s)	1518

The annual mine closure cost with 5% annual escalation for proposed Tawa-III UG mine is tabulated below:

YEAR	Amount per Year (Rs. 000s)	Production (Mt)	Amount (Rs. / t)
1 (2018-19)	1518	Revenue Expenditure Capitalised	
2	1594		
3	1674		

YEAR	Amount per Year (Rs. 000s)	Production (Mt)	Amount (Rs. / t)
4	1758	0.120000	14.65
5	1846	0.300000	6.15
6	1938	0.480000	4.04
7	2035	0.480000	4.24
8	2137	0.480000	4.45
9	2244	0.480000	4.68
10	2356	0.480000	4.91
11	2474	0.480000	5.15
12	2598	0.480000	5.41
13	2728	0.480000	5.68
14	2864	0.480000	5.97
15	3007	0.480000	6.26
16	3157	0.480000	6.58
17	3315	0.480000	6.91
18	3481	0.480000	7.25
19	3655	0.443219	8.25
20	3838	0.062898	61.02
Total	50217	7.166117	7.01
Mine Closure Cost (excluding Revenue Expenditure Capitalised) to be considered in Appendix-C (Rs./t)			6.34

From the above table, it can be seen that the Total Amount of Mine Closure Cost Corpus Fund works out to Rs. 5.0217 Crores.

20.1 Activity wise Break-up of Mine Closure Cost

The activity wise break-up of total mine closure corpus fund is shown in the following table:

Sl. No.	Activity	% of Total Mine Closure Cost	Amount (Rs. 000s)
A	Dismantling of structures:		
	Service Buildings	3.50%	1757.60
	Residential Buildings	37.58%	18871.55
	Industrial Structures like CHP, Workshop, Field Sub-station, Cap lamp room, Haulage, Fan Installation etc.	6.33%	3178.74
B	Permanent sealing of mine entries (incline mouth and air shaft):		
	Sealing of incline mouths and air shafts.	2.32%	1165.03
C	Subsidence Management:	1.75%	878.80
D	Landscaping:		
	Landscaping of the clear land for improving its aesthetics	5.80%	2912.59
E	Plantation:		
	Plantation over the cleared area obtained after dismantling and on other Barren Spaces.	10.00%	5021.70

Sl. No.	Activity	% of Total Mine Closure Cost	Amount (Rs. 000s)
F	Monitoring / Testing of parameters for three years:		
	Air Quality	3.83%	1923.31
	Water Quality	3.34%	1677.25
G	Entrepreneurship development (Vocational / Skill Development) Training for sustainable income of affected people:	4.65%	2335.09
H	Miscellaneous and other mitigative measures:	11.60%	5825.17
I	Man power cost for supervision:	9.30%	4670.18
Total		100%	50217

21.0 LAND ACQUISITION

21.1 Quantum of type of land

It is proposed to work this mine by B&P method of mining in conjunction with caving. The Total Land involved in this project is about 207.47 hectares (6.550 ha under All Rights, 1.100 ha under Surface Rights and 199.820 ha under Mining Rights) as per the Recast P.R. for Tawa-III U/G Mine.

The Acquisition of Tenancy, Government and Forest Land (207.47 ha), the rates of NPV of Forest Land to be acquired under All Rights & Mining Rights and Compensatory Afforestation Charges have been considered in Appendix A.1 as per the data given by Pathakhara Area Officials of WCL (vide letter no. WCL/PK/GM/P&P/130 dated: 30.10.2013). The breakup of land requirement of 207.470 ha is summarized below:

Type of Rights	Govt. Land (ha)	Tenancy Land (ha)	Forest Land (ha)	Total land Requirement (ha)
All Rights	0.491	2.419	3.640	6.550
Surface Rights	-	-	1.100	1.100
Mining Rights	5.825	71.269	122.726	199.820
Total	6.316	73.688	127.466	207.470

The Total Land requirement for Tawa-III U/G Mine is 207.47 hectares, out of which 6.55 hectares would be acquired under All Rights and 1.10 hectares under Surface Rights. Capital Provision for Tenancy and Government Land to be acquired under All Rights and Surface Rights has been envisaged.

The land under all rights, surface rights and mining rights involved in this project has been estimated by Autocad Software and is not from revenue records. Hence the above measurement of land by Autocad may not exactly match with the State Revenue Department records. However, during actual implementation of this report, the data of State Revenue Department land records will be final.

NPV payment for 4.74 hectares of Forest Land under All Rights and Surface Rights has been considered @ Rs. 14.27 lakhs per ha which includes compensatory afforestation charges. NPV payment for 122.726 ha of Forest Land under Mining Rights has been considered @ Rs. 3.14 lakhs per ha.

As the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and resettlement Act, 2013 has come into force, the provision for acquisition of 2.419 ha tenancy land and rehabilitation and resettlement of project affected families have to be carried out as per this Act.

The land rate has been considered as per the ready reckoner rate and considering the multiplying factor of 2.0 for rural area and 100 % solatium of the total land value including assets attached to the land. In absence of data for number of Project Affected families, 3 families have been considered as PAFs for 2.419 hectares of Tenancy Land @ 1 PAF per hectare of land. For estimation of compensation as per Schedule-II, Rs. 5 lakh per family has been provided for project affected families.

21.2 Time frame for Acquisition & Capital Provision

Different notifications for Land Acquisition, E.C. & F.C. along with all approvals and acquisition of land for mine entries and surface infrastructure (7.65 ha) are proposed to be done in first year after approval of the project. NPV payment for 4.74 hectares of Forest Land under All Rights/Surface Rights and 122.726 ha of Forest Land under Mining Rights has been considered in second and third year after approval of the project.

A capital provision of Rs. 6.3412 Crores has been made for acquisition of land in Recast Project Report for Tawa-III U/G Mine as per the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and resettlement Act, 2013.

This capital provision includes Cost of land & payment of compensation as per "The Right to Fair Compensation & Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013" for land and NPV of Forest land for proposed Tawa-III U/G Mine which has been considered as 14.27 Lakhs per hectare.

22.0 PROJECT IMPLEMENTATION SCHEDULE

22.1 Once the Recast Project Report is approved, the authorities should take up the following major activities leading to the achievement of target production:

- a) Form-1 was submitted to MOEF through MOC letter no. 43011/38/2010 – CPAM dated 04.10.2010.
- b) Status as on 01.06.2014 is: EAC meeting for finalisation of TOR was held on 23.11.2010. TOR issued vide MOEF letter dated 23.12.2010.