

No. J-11015/76/2011-IA-II (M)  
Government of India  
Ministry of Environment, Forest & Climate Change  
IA-II (Coal Mining) Division

Indira Paryavaran Bhawan,  
Jorbagh Road, N Delhi-3  
Dated: 3<sup>rd</sup> March, 2016

To,

The General Manager (E&F)  
M/s Eastern Coalfields Ltd,  
Asansol,  
District - **Burdwan** (West Bengal) E-mail: [envecl@yahoo.com](mailto:envecl@yahoo.com)

**Sub: Cluster 12 comprising of 15 mixed mines with combined production capacity of 31.83 MTPA (Peak) in ML area of 12,736 ha located in Raniganj Coalfields, Tehsil Haripur Block, District Burdwan (West Bengal) of M/s Eastern Coalfields Limited - Amendment in Environmental Clearance - reg.**

Sir,

This is with reference to your letter No.ECL/DT(P&P)/13.12/423 dated 6.10.2015 and online proposal No. IA/WB/CMIN/9503/2011 for amendment in Environmental Clearance granted vide letter No.J-11015/76/2011-IA-II (M) dated 9<sup>th</sup> February, 2015 to the above mentioned project. Reference is also invited to the subsequent letters dated 30.11.2015; 04.01.2016, 07.01.2016 on the subject matter.

2. The Ministry of Environment, Forest & Climate Change has considered the application. It is noted that the proposal is for amendment in EC granted on 9<sup>th</sup> February, 2015 to Cluster 12 comprising of 19 mixed mines of combined production capacity of 27.16 MTPA (Normative) and 31.83 MTPA (Peak) in ML area of 13759.55 ha (14047 ha – 287.45 ha = 13759.55 ha) of M/s Eastern Coalfields Limited, located in Raniganj Coalfields, in Tehsil Haripur Block, District Burdwan (West Bengal).

3. The proposal was considered by the Expert Appraisal Committee (EAC) in the Ministry for Thermal & Coal Mining Projects in its 47<sup>th</sup> meeting held on 30<sup>th</sup> November- 1<sup>st</sup> December, 2015 and 49<sup>th</sup> meeting held on 7<sup>th</sup> -8<sup>th</sup> January, 2016. The details of the project, as per the documents submitted by the project proponent (PP), and also as informed during the above said EAC meetings, are reported to be as under:-

- (i) The project was granted EC vide letter No.J-11015/76/2011-IA.II (M) on 9<sup>th</sup> February, 2015.
- (ii) Cluster No. 12 consists of 19 mines with a capacity of 31.83 MTPA (peak).
- (iii) The amendment is proposed due to restructuring of coal mines as a result of amalgamation of mines, capacity reduction/addition, dropping the proposal or other reasons), and thus reducing the total number of mines in the cluster from 19 to 15, with the combined production capacity remaining the same. A comparative picture is detailed as under:-



S. No.	Mine	Lease Area (ha)	EC Capacity (MTY)		S. No.	Proposed changes	Lease Area (Ha)	Final Capacity (MTY)	Change in Capacity (MTY)	
1	Pandaveswar UG	483	0.18	2.01	1	Amalgamation into Pandaveswar-Dalurband UG & OC	1385	UG : 1.47 OC : 2.00	2.45*	+ 0.44
2	Pandaveswar OC Mine		1.50							
	Dalurband OC & UG		0.33							
3	Manderboni UG	467	0.17		2	No change	467	0.17	-	
4	Madhaipur UG	622	0.21		3	-do-	622	0.21	-	
	Madhaipur OC Patch		0.80			Capacity reduced due to coal loss in barrier		0.57	- 0.23	
5	Nutandanga UG	543	0.12		4	No change	543	0.12	-	
6	Kendra UG	459	0.10		5	-do-	459	0.10	-	
7	Samla UG	676	0.12		6	-do-	676	0.12	-	
	Samla OC Mine		0.80			Proposal dropped due to land acquisition issues		Nil	- 0.80	
8	Sonepur Bazari OC	2405	8.00		7	Expansion by outsourcing	2405	12.00	+ 4.00	
9	South Samla UG	558	0.11		8	No change	558	0.11	-	
	Purushottampur OC Patch		1.30			Amalgamated with SI no. 9		-	- 1.30	
10	Kumardihi B UG	355	0.42	3.80	9	Amalgamation into Nakrakonda - Kumardih B UG & OC	642	UG : 1.12	4.12	+ 0.32
	Nakrakonda B OC		1.50					OC: 3.00		
	Nakrakonda B OC (Extension)		0.54							
	Kumardihi B OC Patch		0.14							
11	Nakrakonda UG	287	1.20							
12	Kumardihi A UG	457	1.20		10	Capacity reduced due to non - implementation of PSLW	457	0.20	- 1.00	
	Kumardihi A OC Patch		0.26			Exhausted & being backfilled		Nil	- 0.26	
13	Jhanjra UG	1520	3.50		11	Capacity increased. PR for lower seams being prepared	1520	5.00	+ 1.50	
14	Tilaboni UG	869	2.14		12	No change	869	2.14	-	
15	Shyamsundarpur UG	533	0.90		13	1 additional CM to be introduced. PR under preparation	533	1.12	+ 0.22	

16	Bankola UG	830	0.57	14	Shaft deepening could not be done	830	0.30	-0.27		
	Bankola OC Patch		0.26		Exhausted & being backfilled		Nil	-0.26		
17	Kottadih UG & OC	770	UG : 1.0	4.00	15	Capacity reduced due to reduction in mining area	770	UG : 0.90	3.10	-0.90
			OC : 3.0						OC : 2.20	
18	Manderboni Extension/ Rangamati A UGP	817	0.983			Proposal dropped as the projects are not viable in the present time.	-	-	-0.983	
19	Madhaipur Extension / Rangamati B UGP	494	0.48				-	-	-0.48	
	Total	14047	31.83			Total	12736	31.83	0.0	

(iv) The proposal for restructuring is reproduced as under:-

- Two green field underground projects i.e. Rangamati A and Rangamati B which could not be viable at 12% IRR norm have been deleted from the cluster due to non-viability.
- Amalgamation of Pandaveswar UG and proposed Pandaveswar OC with Dalurband UG & OC into a single large mixed mine, namely, Pandaveswar – Dalurband UG & OC and introduction of CM Technology in UG within the combined leasehold of Pandaveswar and Dalurband Collieries to achieve a capacity of 2.45 MTY against approved combined capacity of 2.01 MTY.
- Amalgamation of Nakrakonda OC Patch, Nakrakonda Extension OC Patch, Kumardih B UG & OC Patch and Nakrakonda UG into a single mixed mine, namely, Nakrakonda – Kumardih B UG & OC within the combined leaseholds of Kumardih B UG and Nakrakonda UG along with Introduction of CM Technology in Kumardih B UG mine to achieve a capacity of 4.12 MTY against the approved combined capacity of 5.10 MTY.
- Introduction of additional CM in Shyamsundarpur UG for augmentation of production from approved capacity of 0.9 MTY to 1.12 MTY.

(v) Considering the 1 Billion Tonne program for CIL, all the mines in the cluster were reassessed in terms of the immediate potential to produce optimally.

(vi) In addition to Sonapur Bazari OCP, one mega UGP i.e. Jhanjra UGP was also planned from 3.5 MTY to 5.00 MTY to become the biggest underground coal mine in the country.

(vii) Subsequent to the amalgamations, the total no. of mines within the cluster would be 15, but the total production capacity of the Cluster remains same.

(viii) The dispatch of coal from these mines presently is being done through sidings approximately 5 km away. Increased coal production will have no effect on the present transportation system as the additional production will take place only after the railway siding with silo loading becomes operational at Sonapur Bazari open cast mine, and railway siding at Jhanjra underground coalmine.

(ix) The provision of Silo Loading facility at proposed Jhanjra UGP railway siding was examined and it has been decided to provide silo loading arrangement. Silo Loading at the Jhanjra Railway Siding will be incorporated in the PR for Jhanjra UGP (5.0 MTY). It will take 5 years for the completion of Silo. In the meantime, permission may be granted to enhance the production to the level of 5.0 MTY with the new Railway Siding.

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(x) Fugitive Dust Model (FDM) was used for predicting the probable concentrations at 11 nos. of Routine Ambient Air Quality Monitoring Stations as receptors where air quality is being monitored fortnightly. The predicted concentrations were found below specified limits.

4. The EAC, after detailed deliberation in its 49<sup>th</sup> EAC meeting held on 7-8 January, 2016 on the proposal especially in respect of expansion of Sonepur Bazari OCP and Jhanjra UG and the coal dispatch arrangements from these mines, decided for restructuring of coal mines and recommended the project for amendment in EC. The Ministry of Environment, Forest and Climate Change hereby accords amendment in EC for **Cluster 12 comprising of 15 mixed mines with combined production capacity of 31.83 MTPA (Peak) in ML area of 12736 ha located in Raniganj Coalfields, Tehsil Haripur Block, District Burdwan (West Bengal) of M/s Eastern Coalfields Limited** subject to the additional specific conditions as under:-

- the silo loading facilities at Jhanjra should be completed within three years, and the production from Jhanjra should be enhanced to 5 MTPA only after the commissioning both of the new railway siding, and the silo loading facilities;
- in view of the high levels of PM 10 around Basabdaga and some other villages, immediate steps should be taken to make water sprinkling arrangements, and to provide an adequate and effective green belt around these villages, so that the PM 10 levels are reduced; and
- after a period of six months from the date of issue of the amended EC, the PP shall report to the Ministry the implementation status of the control measures mentioned at (ii) above, and the data on air quality as a result of the control measures taken till that time.

5. All other conditions stipulated in the EC granted vide letter No.J-11015/76/2011-IA.II (M) on 9<sup>th</sup> February, 2015 shall remain unchanged.

*SKJ*  
3/3/2016  
(S. K. Srivastava)  
Scientist E

**Copy to:**

1. The Secretary, Ministry of Coal, **N Delhi**
2. The Secretary, Department of Environment & Forests, Government of West Bengal, Secretariat, **Kolkata**
3. The Chief Conservator of Forests, Regional office (EZ), Ministry of Environment & Forests, A-31, Chandrashekarapur, **Bhubaneswar** - 751023 (Odisha)
4. The Member Secretary, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A, Block LA, Sector-III, Salt Lake City, **Kolkata** - 98
5. The Member Secretary, CPCB, CBD-cum-Office Complex, East Arjun Nagar, **Delhi** -32
6. The Member-Secretary, Central Ground Water Authority, Ministry of Water Resources, Curzon Road Barracks, A-2, W-3 Kasturba Gandhi Marg, **N Delhi**
7. The Advisor, Coal India Ltd, SCOPE Minar, Core-I, 4<sup>th</sup> Floor, Vikas Marg, Laxmi Nagar, **N Delhi**
8. The District Collector, Burdwan, Government of West Bengal
9. The IG (Wild life), Ministry of Environment and Forests, **N Delhi**
10. Monitoring File 11. Guard File 12. Record File 13. Notice Board

*SKJ*  
3/3/2016  
(S. K. Srivastava)  
Scientist E