

भारत कोकिंग कोल लिमिटेड

एक मिनीरत्न कंपनी

(कोल इंडिया लिमिटेड का एक अंग)

कोयला भवन, कोयला नगर, धनबाद



**Bharat Coking Coal Limited**

**A Mini Ratna Company**

(A Subsidiary of Coal India Limited)

Regd. Off: Koyla Bhawan, Koyla Nagar

Dhanbad

CIN : U10101JH1972GOI000918

Ref.No.-GM/SA/ENV/F-41/2018/237

Office of the General Manager, Sijua Area

Dated 07-02-2018

To,

**The Director (IA-II) cum Member Secretary (Coal Mining)**

**Ministry of Environment, Forests & Climate Change,**

**Vayu wing, 3<sup>rd</sup> Floor, Indira Paryavaran Bhawan,**

**Jor Bagh Road, New Delhi – 110003**

**Sub. : Cluster V** (7 mines of a peak production of 6.311 MTPA in a combined ML area of 1957.08 ha) of M/s Bharat Coking Coal Ltd., located in Jharia Coalfields, Dist. Dhanbad, Jharkhand: **Proposal for amendment in EC**

Dear Sir,

Cluster V Group of Mines in Jharia Coalfields was granted EC vide letter no. **J-11015/01/2011-I(A).II(M) dated 11<sup>th</sup> Feb, 2013 for a peak capacity of 6.311 MTPA in combined cluster ML Area of 1957.08 Ha.**

A proposal for EC Modification of Cluster -V was earlier applied vide Ref. No. GM/SA/SPA/F-41/2017/127 dated 13-09-2017 which was considered in the 21st EAC meeting held on 27<sup>th</sup> October, 2017 for Coal Mining Projects on Agenda No.21.11.

*The EAC, after deliberations, deferred the proposal for want of the Mining Plan for the cluster, revised on the above lines and duly approved by the Ministry of Coal/Board of M/s BCCL.*

Accordingly, the mining plans of all the mines of cluster V were under preparation but in the meanwhile the train movement on Dhanbad-Chandrapura Railway line has been stopped due to the underground fire beneath and near the railway tracks. Sendra Bansjora and Kankanee mines lie in the near vicinity of the Dhanbad-Chandrapura Railway line and are fire affected. Fire dealing in these two mines has been prioritized for speedy controlling of the fire by mining of coal in line with dovetailing of EC with implementation of GOI approved Master Plan for dealing with fire and subsidence. Mining plans of Sendra Bansjora and Kankanee collieries have been prepared and duly approved by the board of Bharat Coking Coal Limited. Therefore, the production programme of Cluster V is being revised proposing rearrangement in the production capacities of the mines of cluster V.

Since the impact assessment and management in approved EMP is on cluster basis, no additional impact is anticipated. There has been no change made to the cluster boundary, its area or overall capacity. The revision necessitates amendment in EC.

In the 47<sup>th</sup> meeting of Expert Appraisal Committee (EAC) (Thermal & Coal Mining) meeting held on 23rd-24th April 2012 The Committee desired that peak capacity in all the cluster of mines should reflect the highest achievable production capacity from the project with sufficient cushion available for enhancing production for offsetting shortfall in others. Further, in the 39th EAC (Coal and Thermal) Meeting held on 16<sup>th</sup> – 17<sup>th</sup> July, 2015, the EAC discussed different capacity change scenarios regarding consideration for EC under the cluster concept.(Agenda 39.17).

**The committee was of the opinion that the project proponent may apply for amendment in EC of the Cluster if a change in the production capacities of one or other mine within the cluster is required. Mining plan approval for changed capacities is also needed for amendment in EC.**

**The mining plans of the mines for which production capacity is required to be changed have been prepared and duly approved by the Board of BCCL.**

The amendment sought vis-à-vis the EC granted have been compared below –

Sl. No	As per Existing EC					Modification sought	
	Name of the Mine	Normative Production Capacity (MTY)	Peak Production Capacity (MTY)	Lease Area (Ha)	Mine Life (Years)	Proposed Amendment / New Proposal	Peak Production Capacity (MTY)
1	Nichitpur OC Mine	0.6	0.78	150	10	Operating within current limits	0.78
2	Tetulmari Colliery (consisting of open cast and underground mine)	0.795	1.033	317	>30	Operating within current limits	1.033
3	Mudidih Colliery(consisting of open cast and underground mine)	1.553	2.019	378.05	>30	Operating within current limits	2.019

Sl. No.	As per Existing EC					Modification sought	
	Name of the Mine	Normative Production Capacity (MTY)	Peak Production Capacity (MTY)	Lease Area (Ha)	Mine Life (Years)	Proposed Amendment / New Proposal	Peak Production Capacity (MTY)
4	Sendra Bansjora OC Mine	0.75	0.975	249.63	23	Increase in production for fire dealing	2.34
5	Kankanee OC Mine	0.48	0.624	258.12	>30	Increase in production for fire dealing	1.19
6	Bansdeopur OC Mine	0.676	0.879	104.72	>30	Operating within current limits	0.879
7	Loyabad UG Mine (closed for coal production)	0	0	499.56	--	Master Plan under implementation	0
<b>Total</b>		<b>4.854</b>	<b>6.311</b>	<b>1957.08</b>	<b>33</b>		

\*Production Schedule representing the Maximum capacity achievable due to phasing of operations is as under:

#### PRODUCTION PROGRAMME OF CLUSTER V GROUP OF MINES

NAME OF MINE	NORMATIVE	PEAK	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
BANSDEOPUR	0.676	0.879		0.35	0.676	0.134				
NICHITPUR OC	0.6	0.78	0.60	0.50	0.50	0.50	0.50	0.50	0.50	0.50
TETULMARI OC	0.795	1.033	0.715	0.710	0.710	0.710	0.710	0.710	0.710	0.710
TETULMARI UG			0.08	0.08	0.06	0.02				
SENDRA BANSJORA	1.8	2.34	0.85	1.2	1.4	1.8	1.4	1.2	0.99	0.99
KANKANEE	0.92	1.19	0.92	0.4	0.39	0.39	0.39	0.62	0.62	
MUDIDIH OC	1.553	2.019		0.6	0.72	0.72	1.1	1.34	1.433	
MUDIDIH UG			0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
LOYABAD	0	0	0	0	0	0	0	0	0	0
TOTAL PRODUCTION	-	-	3.285	3.960	4.576	4.394	4.220	4.490	4.373	2.320
SANCTIONED PEAK as per EC			6.311	6.311	6.311	6.311	6.311	6.311	6.311	6.311

**It is therefore requested to amend the Specific condition (i) of as under:**

- (i) The production of cluster shall not exceed **6.311** MTPA and that of mines shall not exceed the capacity as under:

SI No.	Name of Mine	Normative Capacity(MTPA)	Peak Capacity(MTPA)
1	Nichitpur OC Mine	0.60	0.78
2	Tetulmari Colliery (consisting of open cast and underground mine)	0.795	1.033
3	Mudidih Colliery(consisting of open cast and underground mine)	1.553	2.019
4	Sendra Bansjora OC Mine	1.80	2.34
5	Kankanee OC Mine	0.92	1.19
6	Bansdeopur OC Mine	0.676	0.879
7	Loyabad UG Mine (closed for coal production)	0	0
	<b>TOTAL</b>		<b>6.311*</b>


\* The Peak capacities of the different mines will be achieved in different years.

**Enclosures-**

1. Minutes of the 21<sup>st</sup> meeting of the EAC held on 27<sup>th</sup> Oct 2017, Agenda No. 21.11
2. Minutes of the 39<sup>th</sup> EAC(Thermal and Coal Mining Projects) held on 16-17 July 2015, Agenda No. 39.17
3. Approval of the Mining Plans of Sendra Bansjora & Kankanee Collieries of Cluster V by BCCL Board

With regards,

Yours faithfully

  
General Manager  
Sijua Area

**Minutes of the 21<sup>st</sup> meeting of the EAC held on 27<sup>th</sup> October, 2017 for appraisal of Coal Mining projects**

A. The 21st meeting of the Expert Appraisal Committee (EAC) for Thermal & Coal mining projects was held on 27th October, 2017 in the Ministry to consider the proposals relating to coal mining sector. The lists of participants and the project proponents are at Annexure-I & II respectively.

B. Confirmation of minutes

There being no comments from any of the members of the Committee, minutes of the 19th meeting of the EAC held on 26<sup>th</sup> September, 2017 were confirmed.

C. Details of the proposals considered during the meeting, deliberations made and the recommendations of the Committee, are explained in the respective agenda items as under:-

**Agenda No.21.1**

**Sayal D Opencast Coal Mine Project of capacity 1.0 MTPA (Normative)/1.35 MTPA (Peak) in a project area of 286.98 ha of M/s Central Coalfields Limited in District Ramgarh (Jharkhand) - For EC**

**[IA/JH/CMIN/27582/2015, F. No. J-11015/157/2015-IA.II(M)]**

**21.1.1** The proposal is for environmental clearance to Sayal D Opencast Coal Mine Project of capacity 1.0 MTPA (Normative)/1.35 MTPA (Peak) of M/s Central Coalfields Limited in a project area of 286.98 ha in District Ramgarh, (Jharkhand).

**21.1.2** The project proponent vide email dated 23.10.2017 has informed as under:

(i) The project report of Sayal D OCP was approved by CCL Board on 10<sup>th</sup> October, 2013. The approved project report was prepared for a capacity of 1 MTPA (Normative)/1.35 MTPA (Peak) in a total area of 410.08 ha.

(ii) The project area contains diverted as well as non-diverted forest land and GMK Jungle Jhari. In view of MoEF OM No.J-11015/200/2008-IA.II(M), dated 31<sup>st</sup> March, 2011 and other related OMs, non-diverted forest land and GMK Jungle Jhari along with adjoining non forest land has been deducted from the project area. The revised area of project envisaged earlier now stand as 286.98 ha.

(iii) The revised Mining Plan and Mine Closure Plan of Sayal D OCP involving an area of 286.98 ha has not yet been approved by the CCL Board. The project proponent has regretted and requested to consider the proposal in the next EAC meeting.

**21.1.3** The EAC took note of the submissions of the project proponent and deferred the proposal.

**21.10.3** The EAC, after deliberations, deferred the proposal for want of the Mining Plan for the cluster, revised on the above lines and duly approved by the Ministry of Coal/Board of M/s BCCL.

**Agenda No.21.11**

**Cluster V (7 mines of a 4.854 (Normative) and 6.311 (Peak) production of MTPA in a combined ML area of 1957.08 ha) of M/s Bharat Coking Coal Ltd., located in Jharia Coalfields, Dist. Dhanbad (Jharkhand)- For amendment in EC**

**[IA/JH/CMIN/6990/2011, F.No.J-11015/01/2011-IA.II(M)]**

**21.11.1** The proposal is for amendment in environmental clearance dated 11<sup>th</sup> February, 2013 for the Cluster V (7 mines of a 4.854 (Normative) and 6.311 (Peak) production of MTPA in a combined ML area of 1957.08 ha) of M/s Bharat Coking Coal Ltd., located in Jharia Coalfields, Dist. Dhanbad (Jharkhand).

**21.11.2** The project was granted environmental clearance by the Ministry vide letter No. J-11015/01/2011-IA.II(M) dated 11<sup>th</sup> February, 2013. The project proponent has now requested for amendment in the EC in respect of capacities of individual mines in the cluster and the lease hold areas due to different reasons, with the details as under:-

S. No.	As per Existing EC					Modification sought	
	Name of the Mine	Normative Production Capacity (MTY)	Peak Production Capacity (MTY)	Lease Area (Ha)	Mine Life (Year s)	Proposed Amendment / New Proposal	Peak Production Capacity (MTY)
1	Nichitpur OC Mine	0.6	0.78	150	10	Increase in production	1.3
2	Tetulmari Colliery (consisting of open cast and underground mine)	0.795	1.033	317	>30	Increase in production for fire dealing	1.7
3	Mudidih Colliery(consisting of open cast and underground mine)	1.553	2.019	378.05	>30	Increase in production	2.88
4	Sendra Bansjora OC Mine	0.75	0.975	249.63	23	Increase in production for fire dealing	2.34
5	Kankanee OC Mine	0.48	0.624	258.12*	>30	Increase in production for fire dealing	1.19
6	Bansdeopur OC Mine	0.676	0.879	104.72	>30	Operating within limits	0.52
7	Loyabad UG Mine (closed for coal production)	0	0	499.56	--	Master Plan under implementation	0
	Total	4.854	6.31	1957.08	33		

It has been informed that there will be no change in the peak production capacity of 6.31 MTPA and the total area of 1957.08 ha of the cluster V (Group of 7 mixed mines).

**21.11.3** The EAC, after deliberations, deferred the proposal for want of the Mining Plan for the cluster, revised on the above lines and duly approved by the Ministry of Coal/Board of M/s BCCL.

#### Agenda No.21.12

**Cluster VIII Group of 10 mines (Combined Capacity 4.31 MTPA with a peak production of 5.603 MTPA) in a combined ML area of 1183.92 ha (1200.41 ha-16.49 ha = 1183.92 ha) of M/s Bharat Coking Coal Limited located in Jharia coalfields, District Dhanbad (Jharkhand) - For amendment in EC**

**[IA/JH/CMIN/17129/2010, F.No.J-11015/298/2010-IA.II(M)]**

**21.12.1** The proposal is for amendment in environmental clearance dated 15<sup>th</sup> February, 2013 for the Cluster VIII Group of 10 mines (Combined Capacity 4.31 MTPA with a peak production of 5.603 MTPA ) in a combined ML area of 1183.92 ha (1200.41 ha-16.49 ha = 1183.92 ha) of M/s Bharat Coking Coal Limited located in Jharia coalfields District Dhanbad (Jharkhand).

**21.12.2** The project was granted environmental clearance by the Ministry vide letter No. J-11015/298/2010-IA.II(M) dated 15<sup>th</sup> February, 2013. The project proponent has now requested for amendment in the EC in respect of capacities of individual mines in the cluster and lease hold areas due to different reasons , with the details as under:-

S. No.	As per Existing EC						Modification sought		
	Name of the Mine	Type of Mine	Normative Production Capacity (MTY)	Peak Production Capacity (MTY)	Lease Area (Ha)	Mine Life (Years)	Proposed Amendment / New Proposal	Proposed Production Capacity (Peak) (MTY)	Mine Life (Years)
		UG/OC							
1	Bastacolla Colliery	OC	0.10	0.130	239.45	3	-	0.13	15
		UG	0.33	0.429		18	-	0.24	21
2	Bera Colliery	OCP	0.15	0.195	209.56	3	-	0.20	10
		UG	0.19	0.247		13	-	0.00	-
3	Dobari Colliery	UG	0.24	0.312	146.90	20	Excavation of unstable area identified under Master Plan	3.86	6
4	Ghanoodih Colliery	OC	1.40	1.820	73.00	5	-	0.60	5
	Kuya Colliery	UG	0.10	0.130	340.50	20	Composite OC as Kuya Colliery	2.60	15
		OC	0.60	0.780		5			
	Goluckdih (NC)	OC	1.20	1.560		25			
6	Kujama Colliery	OC	0.60	0.780	191.00	5	-	0.78	7
	Total			5.603	1200.41			5.603	

\*Peak of Cluster will remain same, as peak of individual will be achieved in different years.

**MINUTES OF 39<sup>th</sup> EAC (THERMAL & COAL MINING PROJECTS) MEETING  
HELD ON 16<sup>th</sup> -17<sup>th</sup> July, 2015**

The 39<sup>th</sup> EAC (Thermal & Coal mining projects) Meeting was held on 16<sup>th</sup> -17<sup>th</sup> July, 2015 in New Delhi to consider the proposals in coal mining sector. The list of participants of EAC and the proponents are given at Annexure-1 and 2 respectively.

- B. Confirmation of Minutes: The Committee confirmed the minutes of the 37<sup>th</sup> EAC meeting held on 11<sup>th</sup> -12<sup>th</sup> June, 2015.
- C. The following proposals were considered.

**Agenda 39.1**

**Transfer of EC granted vide letter No.J-11015/327/2008-IA.II (M) dated 31.12.2008 for expansion of production capacity of Dharmasthal Coal Mine Project in District Narsimhapur (MP) from 0.24 MTPA to 0.30 MTPA in an area of 249.24 ha from M/s BLA Industries Limited to M/s Western Coalfields Limited.**

**39.1.1** The proposal is for transfer of EC granted vide letter No. J-11015/327/2008-IA.II (M) dated 31.12.2008 (for expansion of production capacity of Dharmasthal Coal Mine Project from 0.24 MTPA to 0.30 MTPA in an area of 249.24 ha (Latitude 22° 44' 05" to 22° 45' 0" N and Longitude 78° 47' 45" to 78° 49' 40" E) in favour of M/s BLA Industries Limited to M/s Western Coalfields Limited, as a custodian for operating the Coal Mine Project located in villages Chargaon Khurd, Gatitoria (Mohapani), Richhai, Tehsil Gadarwada, District Narsimhapur (MP) in pursuance of Gazette Notification of Ministry of Coal No. F No. 13016/2015-CA-III(Part) dated 30.03.2015.

**39.1.2** The EAC was briefed about the instant proposal by the project proponent M/s Western Coalfields Limited, (present custodian), on the following lines:-

- i. The Ministry of Coal, in exercise of the powers conferred by sub-section (1) of section 18 of the Coal Mines (Special Provisions) second ordinance 2014(7 of 2014), vide Notification No. 13016/2/2015-CA-III dated 30/03/2015 appointed Coal India Limited as designated custodian to manage and operate Gotitoria (E) & Gotitoria (W) – Madhya Pradesh on behalf of Central Government until further orders.
- ii. Coal India Limited vide its letter No. CIL/CH/CUSTODIAN/D21/2015/12 dated 31/03/2015 has authorized M/s Western Coalfields Limited on behalf of the custodian for operating the mines with effect from 00:00 hrs of 01/04/2015 as per the provisions of Coal Mines (Special Provisions) 2<sup>nd</sup> ordinance, 2014 and Coal mines (Special Provision) Rules 2014 until further order.
- iii. M/s Western Coalfields Limited a subsidiary of Coal India Limited has requested to act as a custodian akin to the designated custodian vide letter No. 13016/2/2015-CA-III dated 30/03/2015.
- iv. FC for diversion of 35.285 ha of forest land for opencast coal mining was granted in favour of M/s BLA Industries Ltd, vide F. No. 8-54/95-FC on 06.12.2006. FC for use of 158.714 ha of forest land for underground coal mining was obtained vide F. No.8-54/95-FC on 19.02.1997.

- ii. Cumulative impact assessment of air and water quality in the radius of 15 km.
- iii. The project proponent should explain in EIA the action plan for combating air pollution in tandem with the action plan proposed by CSPCB for mitigating air pollution load in the Korba area.

#### **Agenda 39.17**

#### **Reviewing of Environmental Clearances of the Cluster Mines of M/s Bharat Coking Coal Limited (BCCL) on the basis of production capacity of the Cluster as a whole.**

**39.17.1** The proposal is for reviewing of the Environmental Clearances of the Clusters of M/s Bharat Coking Coal Limited (BCCL) mines on the basis of production capacity of the Cluster as a whole.

**39.17.2** During the meeting, the project proponent informed the EAC about the genesis and the reasons for review of ECs to cluster Mines, with the details as under:-

- i. Ministry approved cluster concept for grant of environmental clearances to mines of BCCL vide letter no. J-1015/24/2009-IA.II(M) dated 2<sup>nd</sup> December, 2009, in which Committee agreed with 17 clusters. The committee desired that clusters should be dovetailed with the Jharia Action Plan, as clustering would ensure environmental benefits and address the environment of problems of abandoned mines through integrated reclamation. Accordingly, BCCL obtained 17 TORs for each cluster; generated 17 sets of baseline data; EMP contained comprehensive impact of various pollutants; processes and other factors affecting the environment for the cluster; conducted one Public Hearing for each cluster; obtained one EC for each cluster and conducting environmental monitoring for each cluster and submitting environmental compliance also cluster wise. Details in respect of production capacity and mine lease area are as under:-

Name of the Cluster	Production(MTPA)		Mining lease area In Ha.
	Normative	Peak	
Cluster-I	0.900	1.170	575.00
Cluster-II	15.550	20.215	2025.71
Cluster-III	2.769	3.600	1420.61
Cluster-IV	7.34	9.55	1123.79
Cluster-V	4.854	6.311	1957.08
Cluster-VI	5.870	7.631	876.55
Cluster-VII	6.227	8.161	2127.70
Cluster-VIII	4.310	5.603	1200.4
Cluster-IX	6.548	8.513	1942.12
Cluster-X	1.762	2.289	2057.47
Cluster-XI	5.080	6.604	3527.58
Cluster-XII	2.400	3.120	809.60
Cluster-XIII	0.180	0.234	1898.62
Cluster-XIV	0.405	0.526	1577.22
Cluster-XV	0.325	0.423	1696.55
Cluster-XVI	1.510	1.963	1964.21
Cluster-XVII	4.000	5.200	833.13
<b>GRAND TOTAL</b>	<b>65.541</b>	<b>85.269</b>	<b>27613.30</b>

- ii. MoEFCC granted environmental clearances to BCCL mines under cluster concept for 16 nos. of clusters out of 17 clusters. EC's were granted for "clusters" with normative and peak capacities of the respective cluster, in a combined mining lease area for group of mines. However, in the specific conditions of the EC, the normative and peak production of the individual mines within the cluster and the total normative and peak production of the cluster is also mentioned and has been quoted "the maximum production shall not exceed beyond that for which environmental clearance has been granted for the mines of clusters".
- iii. Minutes of 47th EAC meeting dated. 23rd-24th April, 2012, while deliberating EMP of Cluster-IV of BCCL, the Committee desired that:

"the peak capacity in all the clusters of mines should reflect the highest achievable production capacity from the project with sufficient cushion available for enhancing production for offsetting shortfall in others".

- iv. The 15<sup>th</sup> EAC meeting dated. 27<sup>th</sup> -28<sup>th</sup> June, 2014 following suggestions were deliberated by Ministry of Coal on "cluster approach" for coal mining:
  1. In case production is hampered in any of the producing unit, the same should be permitted to be compensated by enhancing production from the other mine while keeping the overall production limit of the cluster within the EC granted for that particular cluster.
  2. Further, as EC is presently being granted for an individual mine, it becomes redundant after closure of the said mine. But in case of Cluster/Group EC, the company would be able to open new mines in place of closed ones within the group and modalities of permission of such replacement mines could be accordingly formulated.
  3. While granting EC of the cluster of mines, limit of pollution parameters in the area may be laid down instead of restricting production limit of the cluster mines. It would facilitate enhancement of production of the cluster/mines by taking additional pollution mitigating measures to offset the impact of additional production on environment or suitable environment friendly modern technology in order to keep the pollution parameters within the permissible limits as prescribed.
- v. The EAC had only suggested, in the past, in case of mines of M/s BCCL, (a subsidiary of CIL) there were 17 numbers of clusters which were subsequently made and the BCCL had prepared EIAs/EMPs report for consideration of EACs. These were subsequently considered by the EAC with due diligence and recommended for granting of ECs. The EAC in this process had deliberated on the comprehensive impact of various pollutants, processes and other factors affecting the environment.

After examining the cluster approach suggested by Ministry of Coal, EAC recommended for alternate scenarios to predict environmental impacts to enable to decide if

- One mine produces less and the other(s) produces more but within the stipulated production limit of the cluster,
- One mine is closed and the other mines produces more but within the stipulated production limit of the cluster,

- There should be interplay of production among mines in a cluster but within the stipulated production limit of the cluster.  
Accordingly, MoC was advised to encourage Coal India Ltd. and SCCL to submit proposals.

**39.17.3** The M/s BCCL made the following additional submission:-

1. One of the basic objectives of the "Cluster Concept" of obtaining environmental clearance is exploring integration of small mines into a large project by taking out barrier (on the boundary of mine lease), which are prone to fire, and thus implementing fire dealing and rehabilitation activities of the Master Plan more comprehensively.
2. Considering the entire cluster lease as one and single project will provide a more comprehensive fire fighting and reclamation of degraded and mined out lands all over the cluster rather than for individual mines and stop further spread fire to nearby areas.
3. Enhancement of production from any UG mine/s or any OC mine/s within a cluster will not contribute any further environmental degradation as long as total UG production and total OC production of that cluster remains same as stipulated in EC.
4. Effective large scale reclamation is possible. Voids, dumps and unstable sites in closed mines can be reclaimed at cluster level.
5. Common utilization of resources and better management and supervision at cluster level will increase efficiency and cost effectiveness.
6. Single set of environmental base line data was generated for each cluster ,one Public hearing was conducted for one cluster and not colliery/ mine wise and one EIA-EMP was prepared and approved by MOEF for one cluster.
7. Environmental effects are considered at Cluster level, accounting for cumulative environmental effects of all the mines within the cluster. The comprehensive impact of various pollutants, processes and other factors affecting the environment was considered. AQIP was prepared & submitted for whole cluster, not separately for individual mines.

**39.17.4** Some of the benefits of considering Cluster as a whole are:

1. Effective fire dealing: As per the approved Cluster concept, all the EMPs of clusters are to be dovetailed. Fire travels from one mine to another and in such cases, boundaries/ barriers between mines have also to be removed. Where rehabilitation restricts fire dealing operations, fire may propagate but after implementing rehabilitation from that area on priority basis, immediate action needs to be taken to excavate out fire. By giving flexibility within cluster , fire dealing will be facilitated without substantially affecting the environment, in fact, there will be improvement due to liquidation of fire.
2. Conservation of coal (from barriers): Liquidation of fire and unstable areas will fetch coal which otherwise will be lost forever. The recovery of barrier coal between mines within cluster will add to conservation of coal.
3. Transport improvement: With integration of smaller collieries into the cluster, new transport routes may be developed which is facilitated by new mine layout, reducing transport distance, thereby reducing the pollution load.
4. Integrated reclamation: integrated reclamation of cluster will facilitate better post mining land profile and thus better land use in post mining scenario.

**39.17.5** The EAC after detailed deliberations, agreed to the submissions made by M/s BCCL regarding benefits of cluster concept leading to ease in mining operations and suitably addressing environmental concerns. The committee was of the opinion that the project proponent may apply for amendment in EC of the Cluster if a change in the production capacities of one or other mine within the cluster is required. Mining plan approval for changed capacities is also needed for amendment in EC.

#### Agenda 39.18

**Environmental Clearance for expansion of coal mining projects involving one time production capacity expansion by 50 % in existing operation under Clause 7(ii) of EIA Notification, 2006.**

**39.18.1** In a meeting held between the Hon'ble Minister for MOEFCC and the Hon'ble Minister of State for Coal in the Ministry on 10.07.2015, a request was made by Coal India Limited (CIL) to allow them to increase the production capacity by 50 % without Public Hearing under the clause 7(ii) of EIA Notification, 2006.

**39.18.2** During the meeting, Coal India Limited/CMPDI made the presentation and informed that:

- i. As per Govt Directive, CIL has prepared a production programme of 908 Mt in 2019-20.
- ii. Key requirements: Major increase from ongoing & future projects; Timely completion of Railway lines ; Timely acquisition of land ; Timely clearances of EC & FC; Time bound implementation of Master Plan by JRDA & ADDA .
- iii. Group Wise Production Projection of CIL:

Group/Year	Existing	Ongoing	Future	Total *
2015-16	228.61	317.42	2.75	548.78
2016-17	185.03	399.76	12.81	597.60
2017-18	177.24	437.56	45.89	660.69
2018-19	177.64	502.65	93.40	773.69
2019-20	164.96 (18%)	561.48 (62%)	181.66 (20%)	<b>908.10</b>

- iv. Major Issues for achieving 908 Mt : Projects have already been identified ; 172 projects require land acquisition / possession of land; 73 projects have R&R issues; 121 projects require development of Railway Infrastructure for coal evacuation; 212 projects require Environment Clearance ; 154 projects require Forestry Clearance.

भारत कोकिंग कोल लिमिटेड

(एक मिनी रत्न कंपनी)

योजना एवं परियोजना विभाग

कोयला भवन कोयला नगर

धनबाद- 826005

दूरभाष-0326-2230276

ईमेल: gmpp@bccl.gov.in

CIN: U10101JH1972GO1000918



Bharat Coking Coal Limited

(A Mini Ratna Company)

Planning & Project Division

Koyla Bhawan, Koyla Nagar

Dhanbad- 826 005

Telephone-0326-2230276

Email- gmpp@bccl.gov.in

CIN: U10101JH1972GO1000918

पत्राक: बी.सी.सी.एल./महा प्रबंधक(P&P)/फ-76/17/ 1162 (11) Dated-24.11.2017

सेवा में

महाप्रबंधक,

सिजुआ, पी.बी.

बी.सी.सी.एल., धनबाद

Office of G.M. (OP)

Sl. No. 1555

Date 29/11/17

Sijua Area

महा प्रबंधक विभाग

धनबाद

मु. दि. 2285

दिनांक 28/11/17

विषय: Approval of Mining Plan, Mine Closure Plan.

महोदय,

BCCL Board during its 335<sup>th</sup> meeting held on 04.11.2017 has approved the following Mining Plan

1. Mining Plan of Gopalichuck Colliery(OC)
2. Mining Plan of Kankanee Colliery

BCCL Board during the above meeting has also approved the following Mine Closure Plan:

1. Mine Closure Plan for Gopalichuck colliery(OC)
2. Mine Closure Plan of Kankanee Colliery

Board's resolution is attached herewith. This is being sent to you for further necessary action.

सतग्नक: यथोपरि

भवदीय

(एन के मातेण्ड)

महाप्रबंधक (योजना एवं परियोजना)

Pl. dism  
25/11

Area Survey Office 2

MPP  
326/1  
9/11/17



भारत कोकिंग कोल लिमिटेड  
Bharat Coking Coal Limited  
(A Mini Ratna Company)  
A Subsidiary of Coal India Ltd  
www.bccweb.in

पं. क्र. कायला भवन-२, कोयला नगर, धनबाद - 826005  
Regd. Off: Koyla Bhawan, Koyla  
Nagar, Dhanbad - 826005  
CIN: U10101JH197200000912  
दूरभाष: 0326-2230190 फ़ैक्स: 0326-2230050  
ईमेल: cos.bcci@coalindia.in

बोर्ड सचिवालय Board Secretariat

पत्रांक बीसीसील:सीएस-एफ-1ए: 506

दिनांक 23/11/2017

To,  
GM(P&P),  
BCCL, Koyla Bhawan.

**Sub: Extracts of Minutes of 335<sup>th</sup> Board Meeting held on 04.11.2017.**

Dear Sir,

We send herewith extracts of Minutes of Item No. 335. 40, 335.5S, 335.5V, 335.5W, 335.5X & 335.5Y of 335<sup>th</sup> Meeting of the Board of Directors of Bharat Coking Coal Limited held on 04.11.2017 at Registered Office, Koyla Bhawan, Dhanbad for taking necessary action at your end.

सन्तुष्ट यथापरी

भवदीय

बी.के. पारुडे  
(कंपनी सचिव)

Recd. & Resolved  
23/11/17

**Item No. 335.5W**

**Approval of Mining Plan of Kankanee Colliery.**

**Background:**

The Empowered Sub-committee of BCCL Board deliberated the Mining Plan of Kankanee Colliery for opencast working as detailed in the agenda note and recommended to BCCL Board for further deliberation and approval.

**Decision:**

As recommended by the Empowered Sub Committee of BCCL Board, the Board deliberated the Agenda Note on Mining Plan of Kankanee Colliery for opencast working and approved the same.

**Item No. 335.5X**

**Approval of Mine closure Plan of Kankanee Colliery, BCCL**

**Background**

The subject proposal was placed before Audit Committee of BCCL and Audit Committee recommended to place the proposal before Board for approval.

**Decision:**

Board after deliberation approved the proposal of Mine closure Plan of Kankanee Colliery with the total closure cost of ₹1541.586 lakhs (Rupees fifteen crores forty one lakhs fifty eight thousand six hundred only) to be deposited in Escrow Account under Revenue head.

**Item No. 335.5Y**

**Approval of Mine closure Plan of Gopalichak Colliery, P.B. Area.**


**Background:**

The subject proposal was placed before Audit Committee of BCCL and Audit Committee recommended to place the proposal before Board for approval.

**Decision:**

Board deliberated the proposal of Mine Closure Plan of Gopalichak Colliery of PB area and approved the same for the total closure cost of ₹3848.995 lakhs (Rupees thirty-eight crores forty-eight lakhs twenty-nine thousand and five hundred only) based on OC norms at WPI of January, 2017. A new Escrow Account will be opened named as Gopalichak Mine.

**Certified to be True Copy**

  
T. K. S. Choudhary  
Company Secretary  
Bharat Collieries Ltd. Limited  
Kanyasulkapur  
Dated: 22/06/2017

495  
01/02/18

<b>भारत कोकिंग कोल लिमिटेड</b> (एक मिनी रत्न कंपनी) योजना एवं परियोजना विभाग कोयला भवन कोयला नगर धनबाद- 826005 दूरभाष-0326-2230276 ईमेल: gmpp@bcl.gov.in CIN: U10101JH1972GO1000918		<b>Bharat Coking Coal Limited</b> (A Mini Ratna Company) Planning & Project Division Koyla Bhawan, Koyla Nagar Dhanbad- 826 005 Telephone- 0326-2230276 Email- gmpp@bcl.gov.in CIN: U10101JH1972GO1000918
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पत्रांक: बी.सी.सी.एल./महाप्रबंधक(P&P)/फ-76/18/ 34(H)

Dated-30.01.2018

सेवा में  
✓ महाप्रबंधक,  
सिजुआ,  
बी.सी.सी.एल., धनबाद

महा प्रबंधक कार्यालय  
सिजुआ क्षेत्र  
मु० दिवसी पत्र 274200  
दिनांक 1/2/18

विषय: Approval of Mining Plan and Mine Closure Plan for Sendra Bansjora Colliery.

महोदय,

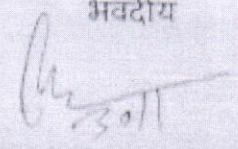
BCCL Board during its 337<sup>th</sup> meeting held on 16.01.2018 has approved the Mining Plan and Mine Closure Plan for Sendra Bansjora Colliery.

Board's resolution for the above document is attached herewith. This is being sent to you for further necessary action.

संलग्नक: यथोपरि

Am(Survey)/Am(P&P) / Project filed  
1/2

भवदीय



(एन के मार्तण्ड)

महाप्रबंधक (योजना एवं परियोजना)



Gu/P  
157  
21/1/18



भारत कोकिंग कोल लिमिटेड  
**Bharat Coking Coal Limited**

(A Mini Ratna Company)  
(A Subsidiary of Coal India Ltd.)  
(www.bcclweb.in)

प कारकोयला भवन - ८, कोयला नगर, धनबाद - 826005,  
Regd. Off: Koyla Bhawan, Koyla Nagar,  
Dhanbad - 826005.  
CIN: U10101JH1972GOI000918  
दूरभाष: 0326-2230190/ फैक्स -0326-2230050,  
ईमेल: cos.bccl@coalindia.in

बोर्ड सचिवालय / Board Secretariat

Ref. No. BCCL-CS:F-1A: 57

Dated: 27.01.2018  
29

To,  
GM(P&P),  
BCCL, Koyla Bhawan,

**Sub: Certified copy of Minutes of 337<sup>th</sup> Board Meeting held on 16.01.2018.**

Dear Sir,

We send herewith Certified copy of Minutes of Item No. **337.5P** of 337<sup>th</sup> Meeting of the Board of Directors of Bharat Coking Coal Limited held on 16.01.2018 at CIL (HQ), Rajarhat, Kolkata for taking necessary action at your end.

Encl: As above

Yours faithfully

(B.K. Parui)  
Company Secretary