



ACB (INDIA) LIMITED

Ratija Washery, Village - Ratija, Taluka - Pali, Korba
CIN : U10102DL1997PLC085837
GSTIN : 22AABCA0043K1ZB

Ref: ACBIL/ENV/2023/ 082

Dated: 01.06.2023

To

Regional Officer,
Chhattisgarh Environment Conservation Board,
Korba, (C.G.).

Sub: M/s. ACB (India) Limited, Expansion of Coal Washery by wet process (6.5 MTPA to 11 MTPA of raw coal) Formerly known as M/s. Spectrum Coal & Power Ltd Village - Ratija, Tehsil- Katghora, District- Korba, Chhattisgarh-495445- **Submission of Six-monthly compliance report for the period Oct 2022 to March 2023- reg.**

Ref: Environmental Clearance no. J-11015/920/2007-IA.II (M), dated 11.12.2008.

Dear Sir

As per the conditions in the SEIAA/MoEF Environmental Clearance, please find attached the Six-Monthly compliance reports and the monitoring data along with statistical interpretation for the period October 2022 to March 2023.

Kindly acknowledge on the receipt of the same

Yours faithfully,

For ACB (India) Limited

Authorized Signatory



Encl: As Above.



Page 4 of 12

Address for Correspondence : D - 24, Urja Nagar, Behind SECL, Guest House, P.O. - Gevra, Distt. - Korba - 495 452, Tel/Fax : 07815 274447

Corporate Office : 7th Floor Corporate Tower Ambience Mall, NH - 8 Gurgaon - 122001, Tel. - 0124-2719000

Regd Office : C-102 New Multan Nagar, Rohtak Road, New Delhi - 100 056 (India)



Krishnamoorthy Govindan <krishnamoorthy.govindan@acbindia.com>

Six Monthly EC Compliance Report (Oct 2022 to March 2023) ACBIL 11 MTPA, Ratija Washery-Reg.

1 message

Krishnamoorthy Govindan <krishnamoorthy.govindan@acbindia.com>

Sat, Jun 3, 2023 at 12:30 PM

To: IRO Raipur <iro.raipur-mefcc@gov.in>, seiaacg@gmail.com, cpcb.bhopal@gov.in, hocecb@gmail.com, Regional Office Korba <rocecbkorba@gmail.com>

Cc: G Sambasiva Rao <Sambasiva.Rao@acbindia.com>

Dear sir,

Please find attached herewith six monthly compliance reports of ACB (India) Limited, 11 MTPA ,Ratija Washery at Village-Ratija, Tehsil-Katghora, District-Korba, Chhattisgarh for the period of Oct 2022 to March 2023.

Note: Hard copy of six monthly compliance reports sent by courier.

This is for your information and record please.

Thanks with regards
Dr.G.Krishnamoorthy
Sr.Manager-Environment
Ph. +91 9940265695

 [Member Secretary,CECB,Raipur.PDF](#)

 [Member Secretary,SEIAA,Raipur.PDF](#)

 [MoEF & CC,IRO,Raipur.PDF](#)

 [Monitoring Report.PDF](#)

 [Regional Director, CPCB, Bhopal.PDF](#)

 [Regional Officer,CECB,Korba.PDF](#)

ACB (India) Limited
Village - Ratija, Tehsil- Katghora,
District- Korba, Chhattisgarh

Compliance status of the conditions under Environmental Clearance

F.No. J-11015/920/2007-IA.II (M), dated 11.12.2008.

S. No.	Specific Conditions	Detailed compliance status
A	Specific Conditions:	
1	The company shall prepare a plan for transportation of raw coal/washed coal by rail mode only integrating it with the plan of M/s. South Eastern Coalfields Ltd. The internal transport of raw coal and clean coal from the washery shall be by belt conveyors. The plan shall be in place within 3 years. Until such time, the mineral transportation by road within the leasehold of Dipka mine shall continue.	The transport of raw coal from the mines to the washery is by road and washed coal from the washery to the siding is by road as of now further transport by rail from siding. We will be integrating it with the plan of M/s. South Eastern Coalfields Ltd once it is finalized. Enclosed correspondence details as Annexure-1 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
2	Coal rejects shall be used in FBC based TPP. Transport of coal rejects for use in FBC is to continue by road.	Coal rejects are used in 2x50 MW FBC based TPP by ACB (India) Limited located adjacent to the washery. Transportation of coal reject is by road.
3	The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site (s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored minerals do not catch fire.	The raw coal, washed coal and rejects are stacked separately earmarked site (s). Adequate measures are taken to ensure that the stored minerals do not catch fire. Enclosed Coal stock yard, wind breakers/shield and Water sprinklers photographs as Annexure-2 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
4	Hoppers of the coal crushing unit and washery unit shall be fitted with high efficiency bag filters/Dust extractors and mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of belt conveyor systems which shall be closed and from transportation roads.	Hoppers of the coal crushing unit and washery unit are fitted with high efficiency dust extractors/suppression system. Mist spray water sprinkling system is installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of belt conveyor systems. Coal crusing unit, Mist spray system, Filter press, transfer point and closed conveyor belt photographs enclosed as Annexure-3 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
5	All internal roads shall be concretised. The roads shall be regularly cleaned with mechanical sweepers. Avenue plantation developed along the roads.	All internal roads are concretized. The roads are regularly cleaned with mechanical sweepers. Avenue plantation was developed along the roads. Facility for parking of truck carrying coal washery reject is created within the unit. Enclosed internal roads, Mechanical road sweeping machine and road side avenue plantation photographs as Annexure-4 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
6	The company shall obtain prior approval of SGWB/CGWB Regional office for use of	The company obtained 2.0 MCM per year water drawl allocation letter for Coal washery and 2X50

	groundwater for the washery operations.	MW TPP from Office of the Executive Engineer, Water Resource Division, Korba. Enclosed water allotment letter, water agreement as Doc.4,4.1 & 4.2 and water balance as Annexure-5 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
7	Industrial wastewater (workshop and wastewater from the washery) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May 1993 and 31 st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed for treatment of workshop effluents.	Industrial wastewater from workshop and wastewater from the washery is properly collected through drainage system and treated as per standards. All the treated waste water is being recycled back to the system. Oil and grease trap being installed for workshop effluent. Enclosed photographs as Annexure-06 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
8	The Washery unit shall be a zero-discharge facility and no wastewater shall be discharged from the washery into the drains / natural water courses. Recycled water shall be used for development and maintenance of green belt and in the plant operations.	ACBIL constructed settling pond for collection of entire plant natural /drain waters. Enclosed settling pond photographs as Annexure-07 . Already submitted to MoEF &CC, Raipur dated 15.04.2023. The unit shall be a zero-discharge facility and no water shall be discharged from the washery into the drains / natural water sources. Recycled water shall be used for development & maintenance of green belt and in the plant operations.
9	Green belt shall be developed along the areas such as the washery unit, crushing unit and stockyard.	Green belt is developed so far 11.52 acres with 12463 sapling all around the washery unit, Crushing unit and stock yard. Enclosed plantation photographs as Annexure-08 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
10	Socio-economic and welfare measures for the local communities around the Dipka coalmine housing the washery unit shall be implemented under CSR.	CSR activities carried out local communities around the Dipka coal mine housing in consultation with district administration. Enclosed CSR activities details as Annexure-09 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
11	Coal waste rejects of about 3 MTPA generated from the washery operations shall be fully utilized after further processing and blending with raw coal in an FBC based 50x2 MW TPP which would be commissioned within 3 years and the balance not usable in the TPP shall be sent to end users.	Coal waste rejects of 3 MTPA generated from washery operation to be fully utilized after blending with raw coal in FBC based 2X50 MW TPP and copy of MOU attached as Annexure-10 . Already submitted to MoEF &CC, Raipur dated 15.04.2023. Non usable balance coal waste reject to be sent to ACBIL 2X135 MW TPP. Copy of MOU attached as Annexure-10.a . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
B	General Condition:	
12	No change in technology and scope of working shall be made without prior approval of the Ministry of Environment and Forests.	There is no change in technology or scope of work.
13	No change in the calendar plan for washing the quantum of mineral coal & waste produced shall be made.	There is no change in the calendar plan and quantum of coal washed.

14	Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring SPM, RSPM, SO ₂ , NO _x and heavy metals such as Hg, Pb, As, Cr, etc. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.	<p>Ambient air quality monitoring stations (4 Nos) are established in the core zone (4 Nos) as well as in the buffer zone (4 Nos) for SPM, RSPM, SO₂, NO_x and heavy metals such as Hg, Pb, As, Cr, etc. Location of the stations has been decided based on the meteorological data, topographical features and environmentally & ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring report and location map attached as Annexure-11. Already submitted to MoEF &CC, Raipur dated 15.04.2023.</p> <table border="1"> <thead> <tr> <th>Sr.No</th><th>Description</th><th>Location</th></tr> </thead> <tbody> <tr> <td>1</td><td rowspan="4">Core zone</td><td>Near Weigh Bridge</td></tr> <tr> <td>2</td><td>Near Main Gate</td></tr> <tr> <td>3</td><td>Near Pump House</td></tr> <tr> <td>4</td><td>Near Office Building</td></tr> <tr> <td>1</td><td rowspan="4">Buffer zone</td><td>Village- Tiwarta</td></tr> <tr> <td>2</td><td>Village- Renki</td></tr> <tr> <td>3</td><td>Village- Chainpur</td></tr> <tr> <td>4</td><td>Village- Ratija</td></tr> </tbody> </table>	Sr.No	Description	Location	1	Core zone	Near Weigh Bridge	2	Near Main Gate	3	Near Pump House	4	Near Office Building	1	Buffer zone	Village- Tiwarta	2	Village- Renki	3	Village- Chainpur	4	Village- Ratija
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15	<p>Fugitive dust emissions (SPM and RSPM and heavy metals such as Hg, Pb, As, Cr, etc) from all the sources shall be controlled regularly monitored and data recorded properly.</p> <p>Water spraying arrangement on roads, wagon loading, dump trucks (loading and unloading) points shall be provided and properly maintained.</p>	<p>Fugitive dust emissions (SPM and RSPM) from all the sources are controlled. It is regularly monitored and data recorded properly. Enclosed fugitive emission monitoring report as Annexure.12. Already submitted to MoEF &CC, Raipur dated 15.04.2023.</p> <p>Water spraying arrangement has been provided on roads, wagon loading, and dump trucks (loading and unloading points) and properly maintained Annexure.12.a. Already submitted to MoEF &CC, Raipur dated 15.04.2023.</p>																					
16	Periodic monitoring report with data on ambient air quality (SPM, RSPM, SO ₂ , NO _x and heavy metals such as Hg, Pb, As, Cr etc) shall be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution Control Board and Central Pollution Control Board once in six months.	<p>Periodic ambient air quality monitoring stations (4 Nos) are established in the core zone as well as in the buffer zone for (SPM, RSPM, SO₂, NO_x and heavy metals such as Hg, Pb, As, Cr etc.) monitoring.</p> <p>Location of the stations has been decided based on the meteorological data, topographical features and environmentally & ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring report and location map attached as Annexure-11. Already submitted to MoEF &CC, Raipur dated 15.04.2023.</p> <table border="1"> <thead> <tr> <th>Sr.No</th><th>Description</th><th>Location</th></tr> </thead> <tbody> <tr> <td>1</td><td rowspan="4">Core zone</td><td>Near Weigh Bridge</td></tr> <tr> <td>2</td><td>Near Main Gate</td></tr> <tr> <td>3</td><td>Near Pump House</td></tr> <tr> <td>4</td><td>Near Office Building</td></tr> <tr> <td>1</td><td rowspan="4">Buffer zone</td><td>Village- Tiwarta</td></tr> <tr> <td>2</td><td>Village- Renki</td></tr> <tr> <td>3</td><td>Village- Chainpur</td></tr> <tr> <td>4</td><td>Village- Ratija</td></tr> </tbody> </table>	Sr.No	Description	Location	1	Core zone	Near Weigh Bridge	2	Near Main Gate	3	Near Pump House	4	Near Office Building	1	Buffer zone	Village- Tiwarta	2	Village- Renki	3	Village- Chainpur	4	Village- Ratija
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17	Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, Operation of HEMM, etc.	Adequate measures are taken for control of noise levels below 85 dB (A) in the work environment. There is no blasting and drilling operations of HEMM, etc. Noise monitoring conducted																					

	shall be provided with ear plugs/muff.	<p>following location core and buffer zone i.e. Enclosed Noise monitoring report as Doc-7. Already submitted to MoEF &CC, Raipur dated 15.04.2023.</p> <table border="1"> <thead> <tr> <th>Sr.No</th><th>Description</th><th>Location</th></tr> </thead> <tbody> <tr><td>1</td><td rowspan="9">Maximum Exposure – Core zone</td><td>Crusher PH-1</td></tr> <tr><td>2</td><td>Crusher PH-2</td></tr> <tr><td>3</td><td>Screen PH-1</td></tr> <tr><td>4</td><td>Screen PH-2</td></tr> <tr><td>5</td><td>Screen PH-3</td></tr> <tr><td>6</td><td>Screen PH-4</td></tr> <tr><td>7</td><td>Clean Coal Screen</td></tr> <tr><td>8</td><td>Raw Coal Screen</td></tr> <tr><td>9</td><td>Reject Coal Screen</td></tr> <tr><td>1</td><td rowspan="4">Industrial Zone (Core zone)</td><td>Near Office</td></tr> <tr><td>2</td><td>Near Washery Main gate</td></tr> <tr><td>3</td><td>Near clarifier</td></tr> <tr><td>4</td><td>Near DG Set</td></tr> <tr><td>1</td><td rowspan="4">Buffer zone - Residential Area</td><td>Tiwarat Village (Near High School)</td></tr> <tr><td>2</td><td>Renki Village (Near Gram Panchayat)</td></tr> <tr><td>3</td><td>Chainpur Village (Near Durgapandal shed)</td></tr> <tr><td>4</td><td>Ratija Village (Near Samudayik Bhavan)</td></tr> </tbody> </table>	Sr.No	Description	Location	1	Maximum Exposure – Core zone	Crusher PH-1	2	Crusher PH-2	3	Screen PH-1	4	Screen PH-2	5	Screen PH-3	6	Screen PH-4	7	Clean Coal Screen	8	Raw Coal Screen	9	Reject Coal Screen	1	Industrial Zone (Core zone)	Near Office	2	Near Washery Main gate	3	Near clarifier	4	Near DG Set	1	Buffer zone - Residential Area	Tiwarat Village (Near High School)	2	Renki Village (Near Gram Panchayat)	3	Chainpur Village (Near Durgapandal shed)	4	Ratija Village (Near Samudayik Bhavan)
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18	Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.	Vehicular emissions are kept under control & regularly monitored. The PUC certificates are regularly updated. Vehicles used for transporting the mineral are covered with tarpaulins and optimally loaded. Enclosed covered truck photographs as Annexure-13 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.																																								
19	Environmental quality shall be regularly monitored and got analyzed through an Environmental laboratory established under the Environment (Protection) Act, 1986.	Environment quality is regularly monitored and got analyzed through “NABL Approved” Environmental laboratory which is established under the Environment (Protection) Act, 1986. Enclosed NABL accreditation documents as Annexure-14 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.																																								
20	<p>Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.</p> <p>Occupational health surveillance programme of the worker shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.</p>	<p>Personnel working in dusty areas wear protective respiratory devices and they are also provided with adequate training and information on safety and health aspects.</p> <p>Occupational health surveillance program of the worker is undertaken periodically (on a yearly basis) to observe any contractions due to exposure to dust and to take corrective measures, if needed. Occupational Health Surveillance report conducted by the Medical Officer. Enclosed Audit report and OHS report as Doc-9. Already submitted to MoEF &CC, Raipur dated 15.04.2023.</p>																																								
21	An environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who	Environmental Management Cell under the control of Plant Head has been established to monitor the compliance of the environment																																								

	will report directly to the Head of the company.	safeguards and maintain the environment quality. Enclosed Environmental Management Cell as Doc-6 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
22	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its Regional Office at Bhopal.	The funds earmarked for environmental protection measures are kept in separate account and not diverted for other purpose. Enclosed sofar completed Environmental Management Program yearsise breackup as Doc-10 . Already submitted to MoEF &CC, Raipur dated 15.04.2023.
23	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Agreed to comply
24	A copy of the EC will be marked to concerned Panchayat /local NGO, if any,from whom any suggestion/ representation has been received while processing the proposal.	Agreed to comply
25	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's Office/ Tehsildar's Office for 30days.	Agreed to comply
26	The project authorities shall advertise at local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also be seen at website of the ministry of Environment& Forests at http://envfor.nic.in .	Agreed to comply
27	The Ministry or any other competent authority may stipulate any further condition for environment protection.	Agreed to comply
28	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986.	Agreed to comply
29	The above conditions will be enforced inter-alia under the provision of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981,the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.	Agreed to comply