

BALCO/ENV/A -02(A)/2026/216

Date: 29.05.2026

To,
The Integrated Regional Office (IRO),
Ministry of Environment, Forest & Climate Change,
Aranya Bhawan,
North Block, Sector-19,
Nava Raipur, Atal Nagar (CG) 492002.

Sub: Half Yearly Compliance Status Report (October 2025 to March 2026) of the 1200 MW Coal based Thermal Power Plant.

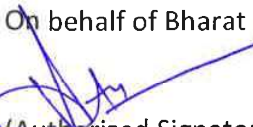
Respected Sir,

As per the Environment Clearance (No J-13011/16/2007.IA-II (T) dated 14.08.2007, subsequent amendment dated 27.04.11 and extension dated 18.09.2014) received for the expansion of Thermal Power Plant by M/s Bharat Aluminium Company Limited (hereinafter referred to as 'BALCO'), Korba, please find enclosed herewith the compliance report along with the necessary supporting documents.

We hope that the above is in line with the requirements under the referred Environment Clearance. In case your good office requires any further information or clarification, we would be glad to furnish the same.

Thanking you,

Yours Truly,
On behalf of Bharat Aluminum Company Ltd.


(Authorized Signatory)

Encl: a/a

Copy to: The Regional Officer, Chhattisgarh Environment Conservation Board, Korba.

**COMPLIANCE STATUS 1200MW COAL BASED THERMAL POWER PLANT
AT KORBA, CHHATTISGARH BY M/s BALCO LTD.**

Duration: October 2025 to March 2026

MoEF&CC's Letter No: J-13011/16/2007-IA.II (T), dated 14.08.2007 and dated 27.04.11 and EC extension dated 18.09.2014.

S.No	Terms & Condition	Present Status
i	The total land requirement shall not exceed 355 acres for all the activities/facilities of the power project.	Noted and Complied.
ii	Ash & Sulphur contents in the coal to be used as fuel shall not exceed 42% and 0.5% respectively.	The ash content in coal on feed basis is 40.57% and sulphur content in coal on feed basis is 0.43 %. With respect to this point, please note that there has been a MoEFCC notification dated 21.05.2020 and subsequent amendments that substituted Rule 3(8) of the Environment (Protection) Rules, 1986 and stated that the TPPs can use coal without any stipulations as to ash content or distance subject to fulfilment of certain conditions such conditions include technology solution for emission norms, management of ash pond, safe transportation among others. It is submitted that such conditions are being complied with in letter and spirit.
iii	Two bi-flue stacks of 275 m height shall be provided with continuous online monitoring equipments for SO _x , NO _x , and PM _{2.5} & PM ₁₀ . Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack may also monitored on periodic basis.	Two bi-flue stacks of 275m height have been provided and provision for online monitoring equipment has been provided for continuous monitoring of pollutants. Exit velocity of flue gases is being maintained $\geq$ 22 m/sec. Mercury emission from stack is being monitored on periodic basis and report is submitted on monthly basis to CECB. (Please refer Annexure-I).
iv	High efficiency Electrostatic Precipitator (ESP) with efficiency not less than 99.9% shall be installed so as to ensure that particulate emissions do not exceed 50mg/Nm ³ .	Hybrid Electrostatic Precipitator (ESP) followed with bag filters having efficiency of 99.99% has been provided for ensuring emission level below the norms i.e. 50 mg/Nm ³ (Please refer Annexure-I).
v	Space provision shall be made for Flue Gas De-sulphurisation (FGD) unit of requisite efficiency of removal of SO ₂ , if required at a later stage.	Space provision for flue gas De-sulphurisation (FGD) is being ensured.
vi	Low NO _x burners shall be installed.	Low NO _x burners have been provided.
vii	Closed Circuit Cooling system with cycle of concentration (COC) of 5 shall be provided.	Induced Draft Cooling Tower (IDCT) with COC 5 has been provided.

S.No	Terms & Condition	Present Status
viii	For controlling fugitive dust, regular sprinkling of water in the coal handling area and other vulnerable areas of the plant shall be ensured.	Dust Suppression and extraction equipment, Rain guns & Water sprinklers have been provided to suppress dust emission from coal handling plant.
ix	The project authorities should adhere to the provisions stipulated in the fly ash notification of September 1999 and as amended in august, 2003 in regard to fly ash utilization.	We are complying with the conditions as notified in the Fly Ash notification 2021. Presently, fly ash is being sent to Sustainable avenues like Cement manufacturing, Brick manufacturing, Road construction/NHAI, Mine void filling etc.
x	The unutilized fly ash and bottom ash shall be disposed in the form of high concentration slurry in the abandoned red mud ponds. The ash pond shall be lined with Impervious lining to avoid any leaching into ground water. The ash dyke shall be so designed and strengthened to ensure guard against breaching. Adequate safety measures shall also be taken so that pond ash does not become air borne to cause air pollution in the surrounding areas.	High Concentrated Slurry Disposal system has been adopted for disposal of ash in ash ponds (abandoned red mud ponds). Please refer to Annexure-II . The Fly ash is being disposed in these ponds/ Ash Dyke as per the feasibility study and design submitted by the consultant. Adequate safety measures have been taken during construction. Further, adequate measures have been taken to ensure that pond ash doesn't become airborne.
xi	Rainwater harvesting should be adopted. Central Groundwater Authority /Board shall be consulted for finalization of appropriate rainwater harvesting structure within a period of three months from the date of clearance.	Complied. Please refer to Annexure-III .
xii	The study on reuse of 1920 m ³ /day of discharge water shall be completed early latest within three months and submitted to MoEF. Based on the same, any additional safeguard measures required shall be implemented in the project. Zero discharge shall be adopted.	The wastewater generated in the power plant is being treated in ETP and recycled back into the system. Best efforts are made to maintain zero discharge condition at all times.
xii	Regular monitoring of ground water quality including heavy metals shall be undertaken around ash dyke and the project area to ascertain the change, if any, in the water quality due to leaching of contaminants from ash disposal area.	Regular monitoring of ground water quality including heavy metals is being carried out. Please refer Annexure-IV .
xiii	A green belt shall be developed all along the plant and ash pond boundary covering a total area of 1/3 of total project area.	Extensive tree plantation is being carried out in all open spaces available in and around the plant premises. Approximately 77000 number of saplings have been planted around BALCO's premises including ash dykes, township and plant premises during FY 2025-26.
xiv	First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	First aid and sanitation for the drivers and Business Partners have been provided.

S.No	Terms & Condition	Present Status
xv	Leq of Noise level should be limited to 75 dBA and regular maintenance of equipment be undertaken. For people working in the high noise areas, personal protection devices should be provided.	Equipment has been designed with acoustic enclosures to ensure that noise level at plant boundary is within the stipulated level. Personal protective equipment is being provided to the workers in high-noise areas. (Annexure-V)
xvi	Regular Monitoring of the ambient air quality shall be carried out in and around the power plant and records maintained. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Quarterly reports shall be submitted to the Regional Office of this Ministry.	Regular monitoring of AAQ is carried out in and around the power plant and reports submitted to the board on a monthly basis. Frequency and location of AAQ stations were fixed in consultation with Chhattisgarh Environment Conservation Board. Continuous Ambient Air Quality Monitoring Station has also been installed (Annexure-VI) .
xvii	The project proponent should advertise within seven days of issue of environmental clearance, in at least two local newspapers widely circulated in the region around the project, one of which should be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board/Committee and may also be seen in the website of the Ministry of Environment and Forest in the http://envfor.nic.in .	Complied with. Newspaper publication Date as below. 1.Haribhumi – 18.08.07 2.Deshbandhu – 18.08.07 (Annexure-VII)
xviii	A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.	An environmental cell with qualified personnel under the control of a senior executive is already in place. Also, we have a laboratory facility for collection and analysis of environmental samples under the supervision of competent technical personnel.
xix	Half Yearly report on the status of implementation of the conditions and environmental safeguards should be submitted to this ministry, the Regional office, CPCB and SPCB.	Half yearly Compliance report submitted regularly. Last submitted vide our letter BALCO/ENV/A - 02(A)/2025/491 dated 16 th October 2025.
xx	Regional office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report, Environment Management Plan and the additional information / clarifications submitted subsequently should be forwarded to the Regional Office for their use during monitoring.	Documents have been submitted vide letter no: Balco/Kb/1200MW/Statutory/MoEF/2007/21, dated: 20.08.07.

S.No	Terms & Condition	Present Status
xxi	Separate funds should be allocated for the implementation of environmental protection measures along with item-wise break-up. These costs should be included as part of the project cost. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to the ministry.	Separate funds are allocated for the implementation of environmental protection measures. The expenses incurred in environmental protection measures has been mentioned in Environment Statement and it is submitted to ministry every year.
xxii	Full cooperation should be extended to the scientists/Officers from the Ministry and its Regional Office at Bhopal / the CPCB/ the SPCB during monitoring of the project.	Complied.
xxiii	The project proponent shall upload the status of compliance of the conditions stipulated in the environmental clearance issued vide this Ministry's letter of even no. dated 14.08.2007, in its website and updated periodically and also simultaneously send the same by e-mail to the Regional Office of the Ministry of Environment and Forests.	Status of compliance of conditions stipulated in the environmental clearance issued vide this Ministry's letter dated 14.08.2007 is submitted regularly on website and by e-mail to the Regional Office of the Ministry of Environment and Forests.
xxiv	Criteria pollutants levels including NOx, RSPM (PM10 & PM 2.5), SOx (from stack & ambient air) shall be regularly monitored, and results displayed in your website and also at the main gate of the power plant.	Online monitoring equipment for stack & ambient air has been provided for continuous monitoring of pollutants and this is being displayed at the main gate, website and CPCB server.
xxv	The action plan formulated for CECB/CPCB shall be complied.	Korba action plan is reviewed by CECB and is being complied for 1200 MW power plant.
xxvi	Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the regional office of the ministry.	Rooftop solar power plant installed. Status of implementation updated in the half yearly compliance reports from time to time.
xxvii	A long-term study on radioactivity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.	Analysis of coal for radioactivity and heavy metal contents of coal carried out through VIMTA Labs Hyderabad (Annexure–VIII). For in-built continuous monitoring for radioactivity and heavy metals in coal and fly ash (including bottom ash), we have sought advice from the following departments: 1. Atomic Energy Regulatory board vide letter 1200/ Env't /A-01/2018/120 dated 30.04.2018 2. Uranium Corporation of India Ltd vide letter 1200/ Env't / A-01 / 2018/ 142 dated 14.05.2018 3. Bhabha Atomic Research Centre vide letter 1200 /Env't/ A-01 /2018 /143 dated 14.05.2018.

S.No	Terms & Condition	Present Status
xxviii	Mercury emission from stack also shall be monitored on periodic basis.	Monitoring of mercury emission from stack is carried out every month (Please refer Annexure-I).
xxix	No ground water shall be extracted for use in the operation of power plant even in lean season. No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up /operation of the power plant.	Complied with.
xxx	Minimum required flow suggested by the competent authority of the state Govt. shall be maintained in the channel /Rivers (as applicable) even in lean season.	We are getting water from the Water Management Division of Hasdeo Barrage as per the water withdrawal agreement only and not from Channel/River and this condition is not applicable to us.
xxxi	Fly ash shall not be used for agricultural purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the state pollution control board and implementation done in close coordination with the state pollution control board.	Presently, fly ash is not used as soil conditioner in agricultural needs.
xxxii	Green belt shall also be developed around the ash pond over and above the green belt around the plant boundary.	Complied With. Saplings have been planted in areas available on and around Ash dyke.
xxxiii	Monitoring of surface water quantity and quality shall also be regularly conducted, and records maintained. The monitored data shall be submitted to the ministry regularly. Further monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	Complied. Surface water and ground water monitoring is being carried out regularly and reports being submitted to CECB on regular basis. Refer to Annexure-IV .

S.No	Terms & Condition	Present Status
xxxiv	The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned state pollution control board as prescribed under the environment protection rules 1986 as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective regional offices of the ministry by email.	Complied. Submitted vide letter no: CPP-II/ENVT/A-02(C)/2025/455, Dated: 26 th September 2025.
xxxv	CSR schemes identified based on need-based assessment shall be implemented in consultation with the village panchayat and the district administration starting from development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Company shall provide separate budget for community development activities and income generating programs.	The company has set up a vocational skills school in BALCO currently in partnership with Social Empowerment & Economic Development Society (Learned Skills Limited) in FY'11-12. The center along with residential setup provides vocational training and placement assistance in 7 disciplines namely, Welding, Electrician, Fitter, Hospitality (F&B), Solar PV Technician, Industrial Sewing and Mobile Repair. A separate amount is allocated for the center each year and till date 17.27 crores rupees have been invested by BALCO under the project. Till date more than 14,500 Youths with 75% placement record.
xxxvi	The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	BALCO has ensured the availability of water through creation of community assets in different villages and has always been proactive in fulfilling the needs of the community and in future, the organization will ensure the availability of water whenever the need arises from the community.

S.No	Terms & Condition	Present Status
xxxvii	For proper and periodic monitoring of CSR activities, a CSR committee or a social audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.	BALCO has a CSR Board Committee which meets once a year and approves the annual CSR plan. There is also a dedicated third party concurrent auditor who does a quarterly review of all expenditures. Also, the dedicated CSR professionals in the Company are responsible for project design, monitoring & reporting. They also stay in constant touch with the local community and stakeholders. For large flagship projects, we have monthly Project Steering Committees (PSCs) in place comprising of CSR team and implementing partners. The PSC is responsible for reviewing the projects.
xxxviii	An environment cell comprising of atleast one expert in environmental science/engineering, ecology, occupational health and social science, shall be created at the project site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the head of the cell shall directly report to the head of the plant who would be accountable for implementation of environmental regulations and social impact improvement/mitigation measures.	Environmental Management Cell is in place headed by Senior Executive, directly reporting to the Head of the Unit and is accountable for implementation of environmental regulations and social impact improvement/mitigation measures. The environment management cell is enabled by trained professionals in respective fields of environment, safety and occupational health.
xxxix	The project proponent shall formulate a well laid corporate environment policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.	Corporate Environment policy is formulated and designated officers are responsible for adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.

Compliance status of Office Memorandum F.No.22-13/2019-IA.III MoEF&CC dated 28th August 2019.		
S. No	Condition	Status
i	The guidelines prepared by CPCB for the disposal of fly Ash for reclamation of low lying areas and in stowing /backfilling of abandoned mines/quarries shall be followed during disposal of ash in abandoned or working mines, as annexed.	The guidelines prepared by CPCB are being followed while disposal of fly ash for stowing/ backfilling of abandoned mines/ quarries. Due permission is sought from Chhattisgarh Environment Conservation Board (CECB) for backfilling of abandoned mines.
ii	There should at least be clearance of 500 m of safe distance be maintained from River and water body in case of ash disposal in abandoned mines to prevent embankment failure and fly ash flowing into the nearby water body.	Noted and Complied.
iii	The top layer of the fly ash disposal area in the abandoned mines shall be kept moist during disposal.	Noted and Complied.
iv	Top layer of disposal area should have 70 cm overburden or Gravels/stones and then 30 cm sweet soil cover. Subsequently, the vegetation shall be raised on the soil cover.	Noted and Complied.
v	Bioaccumulation and bio-magnification tests shall be conducted around the surrounding flora and fauna (tree leaves, vegetation, crop yields and cattle population) during pre-monsoon and post monsoon to find out any trace metals escaped through ground water or runoff.	Noted and Complied.
vi	Surface runoff and supernatant water, in any case shall not be let in to the surrounding areas. It shall be collected by providing adequate drains around the mine. The supernatant water along with surface runoff shall be treated and re-used for mixing ash and plant operations.	The surface run-off and supernatant water is being collected and recycled/ reused.
vii	To the extent possible, only decanted water from mine, make up water from treated effluents such as cooling tower blow down and treated sewage water shall be used for making ash slurry.	The water from treated effluent such as cooling tower blowdown is utilized for slurry making.
Viii	Fly ash to be used as soil conditioner in agriculture needs and to be applied in controlled manner to limit excessive application so as to prevent soil degradation. The optimize proportion of ash to be applied which is to be certified by the State Agriculture Universities /Collages based on the soil testing.	Presently, fly ash is not used as soil conditioner in agricultural needs.
ix	Approval from DGMS shall be obtained before disposing the ash in the mine voids.	Complied.

x	Technology for conversion of fly ash into coarse granules for stowing in the underground mines to be explored.	Presently, fly ash is being sent to Sustainable avenues like Cement manufacturing, Brick manufacturing, Road construction/NHAI, Mine void filling etc., Technology for conversion of fly ash into coarse granules will be explored if needed in future as demand for stowing in the underground mines arises.
xi	All the power plants should install different silos for dry collection of fly ash.	We have installed separate silos for dry collection of fly ash and the same are utilized for utilization of fly ash in cement and brick plants.
Xii	Records pertaining to details of month wise quantity of fly ash disposed and water consumption along with nature /source of water shall be maintained and submitted to Ministry /Regional Office annually.	Monthly details of quantity of fly ash disposed in mines is submitted to Regional Office-CECB and with half yearly compliance report to IRO- MOEF&CC also submitting Specific Water consumption report to Ministry /Regional Office quarterly. Copies of report are attached herewith as Annexure-IX .
xiii	Before starting the disposal of ash into mine voids, the NOC/permission from the mine owner is to be obtained in case the mine closure activities are not completed or State Government in case the mine has been handed over to the State Govt. after its closure. A copy of such NOC/Permission is to be submitted to the Ministry and its Regional Offices.	Presently, fly ash is being sent to Sustainable avenues like Cement manufacturing, Brick manufacturing, Road construction/NHAI, Mine void filling etc.,

Compliance status of MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE NOTIFICATION dated 21st May 2020

S. No	Condition	Status
i	Setting Up Technology Solution for emission norms: Compliance of specified emission norms for Particulate Matter, as per extant notifications and instructions of Central Pollution Control Board, issued from time to time.	Hybrid Electrostatic precipitator (ESP followed with bag filters) with efficiency of 99.99% has been provided for ensuring emission level below the norms i.e. 50 mg/Nm ³ .
ii	Management of Ash Ponds: The thermal powers plants shall comply with conditions, as notified in the Fly Ash notification issued from time to time, without being entitled to additional capacity of fly ash pond (for existing power generation capacity) on ground of switching from washed coal to unwashed coal.	We are complying with the conditions as notified in the Fly Ash notification. Fly ash is being sent for road construction, cement plants and brick manufacturing as per fly ash notification.
iii	Management of Ash Ponds: Appropriate Technology solutions shall be applied to optimise water consumption for Ash	HCSD system has been adopted to optimize water consumption for ash management. Please refer to Annexure-II . Further decanted

	management;	water from ash pond is recycled back for ash slurry making. Additionally treated water from power plant is also being used for ash slurry making. This ensures the water consumption at optimum level.
iv	Management of Ash Ponds: The segregation of ash may be done at the Electro-Static Precipitator stage, if required, based on site specific conditions, to ensure maximum utilization of fly ash;	Separate dry ash collection is in place for collection of fly ash. The dry ash is provided to cement plants, brick manufacturers through these silos itself.
v	Management of Ash Ponds: The thermal power plants to dispose fly ash in abandoned or working mines (to be facilitated by mine owner) with environmental safeguards.	No fly ash has been sent for mine void filling between October 2025 to March 2026.
vi	Transportation: Coal transportation may be undertaken by covered Railway wagon (railway wagons covered by tarpaulin or other means) and/or covered conveyor beyond the mine area. However, till such time enabling Rail transport/conveyor infrastructure is not available, road transportation may be undertaken in trucks, covered by tarpaulin or other means.	Mode of transportation of coal is rail and road with mitigative measures. a. For the transportation of coal by railway it may be noted that it contains 10% to 15% moisture in dry season. As a result, there is no chance of particulate matter getting airborne - or spillage during transportation. b. For the transportation of coal by road, the coal is received in tarpaulin-covered trucks. We are complying with the office order dated 26.06.2024 given by CECB regarding transportation of materials using tarpaulin covered trucks (Annexure-X).
vii	Transportation: It shall be ensured by the thermal power plant that a. Rail siding facility or conveyor facility is set up at or near the power plant, for transportation by rail or conveyor; and b. If transportation by rail or conveyor facility is not available, ensure that the coal is transported out from the Delivery Point of the respective mine in covered trucks (By tarpaulin or other means), or any mechanized closed trucks by road.	The plant receives coal through rail and road. a. For the transportation of coal by railways, railway siding facility has been set up inside the plant premises for unloading of coal. b. For the transportation of coal through road, the coal is received in tarpaulin-covered trucks.