Half Yearly Compliance Report
2024
01 Dec(01 Apr - 30 Sep)

Acknowledgement

Proposal Name	M/s Utkal Alumina International Limited
Name of Entity / Corporate Office	Utkal Alumina International Limited
Village(s)	N/A
District	RAYAGADA

Proposal No.	IA/OR/IND/64028/2017
Plot / Survey / Khasra No.	N/A
State	ODISHA
MoEF File No.	J-11011/753/2007-IA.II(I)

Category	Industrial Projects - 1
Sub-District	N/A
Entity's PAN	*****3008R
Entity name as per PAN	UTKAL ALUMINA INTERNATIONAL LIMITED

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	Half Yearly EC compliance report for the period 01.04.24 to 30.09.24
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office Utkal Alumina International Limited

	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	0
Revenue Land	164.391	0
Forest	104.335	0
Others	800.784	629
Total	1069.51	629

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Calcined Alumina	Million Tons per Annum (MTPA)	31/03/2026	3.0	2.4395	2.67
2	Thermal Power	MW	31/03/2026	150	512355 mwh	90

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	The PP shall implement recommendations of the approved Site-Specific Conservation Plan & Wildlife Management Plan in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report.

PPs Submission: Complied As per the recommendation of the study on Site Specific Conservation Plan and Wildlife Management Plan sum of Rs. 1,17,57,852 has been deposited in the CAMPA fund for the purpose of implementation of various activities within the project impact area by the Forest Department as envisaged in the plan. However, awareness has been created in the periphery of the project site as per the plan. Complied	Date: 28/11/2024

Sr.No.	Condition Type	Condition Details
2	WASTE MANAGEMENT	The red mud already generated from the existing plant shall be stored in the red mud pond lined with impervious clay prior to use to prevent leakage, designed as per the CPCB guidelines with proper leachate collection system. Ground water shall be monitored regularly all around the red mud disposal area and report submitted to the Regional Office of the Ministry. Proper care shall be taken to ensure no run off or seepage from the red mud disposal site to natural drainage. Plan shall be prepared and implemented for utilising the already generated red mud in a time bound manner.

PPs Submission: Complied Red mud pond has been constructed as per the design and drawing approved by State Pollution Control Board vide their Letter No. 19306/IND-IV-HW-931 dated 30.08.2012. The red mud pond is lined with clay and 1.5 mm HDPE liner with sub-soil drainage collection and reuse system, run-off drainage network and leachate collection facility. The semi-dry red mud cake generated from red mud filtration unit is being stored in the active red mud pond- A or B. Piezometers have been installed near the Red Mud Pond for monitoring of ground water. Monitoring of ground water is being carried out regularly. The results of ground water quality are found well within the norms and the same is attached in Annexure-I. The following provisions has been made to ensure the storm water management: i. Garland drains have been provided all around the Red Mud Pond to divert the storm water of adjacent area to natural nallah. ii. Drain and collection pit has been arranged within the mud stacking pond and the accumulated water is being pumped back to the same process or collected in the supernatant water storage pond- C for continuous recycle and use in the process. iii. Drains have been provided adjacent to dyke of active pond- A or B and channelized to pond- C. iv. Water quality of nearby river is being monitored regularly to check contamination if any and the results are attached as Annexure-II. Red Mud Utilization Plan- R and D scheme has been developed with various research laboratories like CRRI, IIT, IMMT, NML and Cement Industries for its productive utilization in road construction applications, cement production and Mine void backfilling. All the above utilization plan for red mud are in exploratory/pilot stage and the progress status are being shared with the OSPCB periodically. Status of Pilot Study for Red Mud utilization in mine void backfilling: This is to further update about the progress made in the pilot project till date. The project is moving ahead with synchronisation of regulatory clearances from State Pollution Control Board and other authorities. 1. Approval of revised Mining and Progressive Mine Closure Plan incorporating the red mud pilot project has been obtained from Indian Bureau of Mines, Regional Office, Bhubaneswar. 2. CTE and CTO are obtained from OSPCB for Mine Void Filling of Red Mud in Pit1 having capacity of 35,000 Cum, at our Baphlimali Mines. 3. Red Mud mine void filling work is under progress. 4. Air Pollution Control measures in form of mobile water sprinkling arrangements, vehicle mounted misting canons at fine handling areas, wheel washing facility for trucks, Tarpaulin tying platform are being provided. 5. Backfilling work started in Pit-1 from December 2022. 27328 MT red mud dispatched for Mines backfilling till March 2024. 32584 MT red mud dispatched to NHAI for road making one patch verification and validation completed by CSIR-CRRI and CSIR-IMMT.	Date: 28/11/2024

3	LAND RECLAMATION	Water spraying on the red mud pond shall be arranged to prevent fine dust from being blown off the stack. Longer- term treatment of the red mud shall include reclamation of the mud ponds, neutralization, covering with topsoil, and planting with vegetation.

PPs Submission: Complied Fixed rain gun water sprinkling system, fog cannon of capacity 12 KL are being provided at red mud pond for dust suppression. In addition to this, water tankers are being deployed for water sprinkling on haulage roads of the red mud pond. Presently, mud stacking is going on in pond B. However, the longer-term treatment will be prepared once the red mud pond is ready to be closed. Also, Pond-A extension work is on progress which can accommodate approx. 100 lakh MT of red mud in the extended 9 Ha. area. CTE obtained for the extension work.	Date: 26/11/2024

4	WATER QUALITY MONITORING AND PRESERVATION	Decanted water from red mud pond is collected in the Process Water Lake during the monsoon and the same water recycled back to the process through pumping arrangements.

PPs Submission: Complied Since filter plant is established to produce red mud in semi dry condition, no decant water from red mud pond is generated except the precipitation water collected during monsoon season. Red mud slurry from the plant is fed to Red Mud Filtration unit where in the output dry mud cake is stacked in red mud pond and the filtrate is recycled back to the process. The decanted water (run-off) from the Red Mud Ponds is collected in Pond-C and the same water is entirely recycled back to the process through pumping arrangement.	Date: 26/11/2024

5	WASTE MANAGEMENT	100 % of the fly ash generated shall be utilised.

PPs Submission: Complied At present we are supplying the fly ash to the nearby BMUs, NHAI for road making and various cement plants across the country. For the first six months of FY 25 the ash utilization percentage is 97 percentage. We will achieve 100 percentage fly ash utilization by the FY 25 end. Monthly reports on generation and utilization of ash has been submitted to OSPCB and FARC.	Date: 26/11/2024

6	AIR QUALITY MONITORING AND PRESERVATION	a. ensures ambient air quality around the project site as prescribed under National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16th November, 2009 (as amended from time to time). b. provide appropriate Air Pollution Control (APC) system for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards. c. provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags; d. provide sufficient number of mobile or stationery vacuum cleaners to clean plant roads, shop floors, roofs regularly; e. ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generationf. provide covered sheds for raw materials like bauxite, coal, etc;g. recycle alumina dust collected in ESPs installed in calciner.

PPs Submission: Complied a) Ambient air quality is being monitored by establishing six nos. of AAQ stations inside and outside the plant premises in addition to four CAAQMS. The summary of the ambient air quality monitoring data during the period Apr 24 to Sep 24 by NABL accredited laboratory and CAAQMS are attached as Annexure- VII and Annexure-VI. b) Existing: Electrostatic precipitator (ESPs) designed to control particulate matter emissions within 50 mg/Nm3 and connected to the Three boilers of the Power Plant and Three Calciners of the Alumina Refinery with online continuous emission monitoring system. The following provisions have been made to control fugitive emission: 1) Dry mud stacking system has been adopted by installing Red Mud Filtration Unit. Dry mud is being stacked by compacting and water sprinkling to check fugitive emission, with rain gun type water sprinklers. 2) Bag filters have been provided at Bauxite crusher, coal crusher, calciner and alumina handling areas. 3) Fixed high jet water spraying system have been installed at bauxite and	Date: 28/11/2024

		coal handling areas. Wagon Tippler with dry fog system at coal unloading area and closed type pipe conveyor system have been provided. Fully covered conveyors with dust suppression system at transfer points for bauxite transportation have been provided. 4) 2 nos of wet scrubbers and 3 nos of vacuum cleaner are provided at lime handling area. c) Bag filters have been provided with differential pressure transmitter which measures pressure of inlet and outlet, and any high differential pressure gives indication of blockage. We have monthly schedule of cloth cleaning and inspection to ensure better maintenance of the bags. d) Mechanised mobile sweeping machine of 10KL capacity and industrial vacuum cleaners are being used to clean the plant roads, shop floors and other areas. e) Bauxite is transported through state-of-the-art technology, Long Distance Conveyor (LDC). The entire conveyor length of 18.2 kms is covered with hood to prevent spillage and dust generation. Coal is conveyed through a pipe conveyor. Other raw materials like lime and coal are transported through wagon and covered conveyor system inside the plant. f) Covered shed is already provided for coal, lime and Bauxite. g) Alumina dust collected in ESP is recycled through pneumatic conveying system which is part of the design.	
7	WATER QUALITY MONITORING AND PRESERVATION	a. adhere to ‘zero liquid discharge’;b. provide Sewage Treatment Plant for domestic wastewater; andc. provide garland drains and collection pits for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
	PPs Submission: Complied a) The concept of zero discharge is being strictly followed. b) The domestic wastewater after treatment in Sewage Treatment Plant (STP) is being utilized for green belt development. Analysis Report of STP treated water is enclosed in Annexure- IX. c) The surface run-off water from bauxite and coal handling area is collected centrally in the RCC lined Settling Pond.	Date: 26/11/2024
8	WATER QUALITY MONITORING AND PRESERVATION	The project proponent shall (Water Conservation):a. practice rainwater harvesting to maximum possible extent; and b. reduce water consumption in bauxite beneficiation and alumina refinery by concentrating the solids in the tailings;
	PPs Submission: Complied a) Bayers process is alkaline in nature and hence rainwater harvesting inside the plant is not possible. The rainwater during rainy season is being collected in guard pond, caustic pond, holding pond and RMP is reused in the process avoiding usage of fresh water. However, six recharge pits have been constructed to harvest roof top rainwater for ground water recharge at the township. b) Bauxite beneficiation is not a part of our process. Hence, this not applicable to us. In this regard, we had already requested your good office to waive off this condition vide our letter no. UAIL/ENV/2018-19/96 dated 16.07.2018. However, the tailings from alumina refinery are being disposed using High Concentration Slurry Disposal (HCSD) having 60 percentage solids to state of the art and latest red mud filtration (RMF) unit as per the CREP guidelines. Disposal of red mud through pressure filters having 80 percentage solids on impervious ponds has saved water consumption due to water recycle in the form of filtrate of the RMF unit. Red Mud Filtration has helped in reducing water consumption.	Date: 26/11/2024
9	ENERGY PRESERVATION MEASURES	a. provide waste heat recovery system (pre-heating of combustion air) at the flue gases.b. provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly; andc. Provide the project proponent for LED lights in their offices and residential areas.
	PPs Submission: Complied a) This is part of the design in the Calciner and CPP units. New 5th gen Calciner-3 from M/s FL Smidth and targeted 7 percentage reduction in HFO specific Consumption by reducing skin temp. b) Solar power plant of capacity 5 MW is already installed and commissioned at our township during Jan 20. The entire solar power generated is being utilised both in plant and township. c) LED lights have already been provided at plant as well townships.	Date: 26/11/2024
10	WASTE MANAGEMENT	Used refractories shall be recycled as far as possible.

PPs Submission: Complied The used refractories generated from the refinery are not hazardous in nature. All the used refractories generated has been sent to the recyclers.		Date: 26/11/2024
11	Statutory compliance	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
PPs Submission: Complied Fly ash is being supplied to fly ash brick manufacturing units, cement industries, road making and land development. The agreement/order for lifting the fly ash with the brick manufacturers is attached as Annexure-X.		Date: 26/11/2024
12	Noise Monitoring & Prevention	The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) during day time and 70 dB(A) during night time.
PPs Submission: Complied Noise control measures have been implemented to maintain the noise levels within the norms. Noise level analysis report for the period Apr 24 to Sep 24 is enclosed as Annexure-XI.		Date: 26/11/2024
13	GREENBELT	Green belt shall be developed in 353 Ha equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
PPs Submission: Complied Green belt is being developed preferring indigenous species during monsoon season of every year as per CPCB Guidelines. Till now an area of 353 Ha has been covered with green belt against total acquired area of 1069.51 Ha. which is about 33 percentage of total area. During Apr 24 to Sep 24, 29720 no. of saplings are planted inside plant and township.		Date: 26/11/2024
14	MISCELLANEOUS	The Capital cost Rs. 255.00 Crore and annual recurring cost Rs. 5.55 Crores towards the environmental protection measures shall be earmarked separately. The funds so provided shall not be diverted for any other purpose.
PPs Submission: Complied The funds earmarked for environmental protection is being utilized for the said purpose only. The total recurring annual expenditure during the financial year 2023-24 was Rs. 1247.00 lakh and the capital cost for FY2023-24 is 660 lakh respectively. The detail of the expenditure of FY 2024-25 shall be submitted in the next six-monthly compliance report i.e., Oct 24 to Mar 25.		Date: 26/11/2024
15	MISCELLANEOUS	The company shall construct separate RCC drains for carrying storm water inside the plant.
PPs Submission: Complied A dedicated RCC storm water drainage network has been provided connecting all drains and diverted to a pond, called Guard Pond for sedimentation and neutralisation if required. OCEMS along with real time pH analyser has been installed at the outlet of guard pond and connected to OSPCB server.		Date: 26/11/2024
16	Statutory compliance	The water drawl shall not exceed 20,000 m3/day (existing and the expansion project put together).
PPs Submission: Complied Intake water drawn and used from San River is within the permissible limit of 20000 m3/day. Average daily drawl of water from April 2024 to September 2024 is 18736 m3/day.		Date: 26/11/2024

17	Corporate Environmental Responsibility	An amount of Rs Rs. 135.8 Crores (2.5% of Project cost of Rs. 5432.00 Crore) proposed towards Corporate Environmental Responsibility shall be utilized as capital expenditure in project mode. The project shall be completed in concurrence with the implementation of the expansion and estimated on the basis of Scheduled Rates.

PPs Submission: Complied Presently the plant is running at a production capacity of 2.67 MTPA. Yearly CSR and ESC expenditure shall be communicated in HY ECCR for the period Oct 24 to Mar 25.	Date: 26/11/2024

18	WASTE MANAGEMENT	Kitchen waste shall be composted or converted to biogas for further use.

PPs Submission: Complied Presently the kitchen wastes are being collected from both the townships and composted in specially designed pits. The manure hence produced is being used in plantation.	Date: 26/11/2024

19	AIR QUALITY MONITORING AND PRESERVATION	a. install 24x7 continuous emission monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 742 (E) dated 30th August 1990 and thereafter amended vide G.S.R 46 (E) dated 3rd February 2006 (Aluminium); S.O. 3305 (E) dated 7th December 2015(Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. b. Monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. c. Install system to carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. d. submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring for calibrations of CEMS and manual monitoring of air quality /fugitive emission to Regional Office of MoEF&CC, Zonal office of SPCB along with six monthly monitoring report.

PPs Submission: Complied Continuous emission monitoring systems (CEMS) have been provided in the running Cogeneration thermal power plant and Calciners of the alumina refinery. These Continuous Emission monitoring systems have been connected with the servers of the OSPCB and CPCB for real time data transmission through RTDAS. The CEMS is calibrated as per the supplier specification. Remote calibration facility for the CPP gaseous emission has also been provided as per the CPCB guideline. Fugitive emission monitoring at specified locations in the plant is being carried out through NABL accredited third party laboratory and the analysis report is attached in Annexure-III. Four numbers of CAAQMS are in operation as per the OSPCB directive to monitor the ambient air quality for the parameters PM10, PM2.5, SO2, NO2 and CO on continuous basis. Real-time data is connected to SPCB server. The results of continuous stack emission as per SPCB server (Annexure-IV), manual stack monitoring by NABL accredited laboratory (Annexure-V) and ambient air quality monitoring as per SPCB server (Annexure-VI) and ambient air quality monitoring by NABL accredited laboratory (Annexure-VII) for the period Apr 24 to Sep 24 are attached.	Date: 28/11/2024

20	WATER QUALITY MONITORING AND PRESERVATION	a. install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 742 (E) dated 30th August 1990 and further amended vide G.S.R 46 (E) dated 3rd February 2006 (Aluminium); S.O. 3305 (E)

		dated 7th December 2015 (Thermal Power Plants) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. b. monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories; and c. submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.

PPs Submission: Complied The wastewater generated in the Alumina refinery are alkaline in nature. All these wastewaters from the process is centrally collected through a dedicated drainage system (RCC) in a concrete pond called the Caustic Pond, bottom lined with LDPE. The wastewater so collected is entirely recycled back to the process. Similarly, in the CPP, the blow down water from the Boilers and the Cooling Towers along with the DM Plant wastewater are collected in a Holding Pond after sedimentation and neutralization. This water is also entirely reused for sprinkling in CHP, AHP, Roads and Ash conditioning. Similarly, the surface run-off water is also collected centrally in a pond called the Guard Pond having neutralization system at the inlet with continuous pH monitoring. This water is also entirely recycled into the process for Red Mud washing except during heavy rain fall. Thus, the wastewater generated is being reused in the process and no wastewater is discharged to outside the plant as the plant operates on a Zero Discharge principle. The zero-discharge condition is ensured by continuous surveillance through web camera and flow meter as per CPCB guidelines and the same also connected to the SPCB/CPCB server. Ground water quality is being monitored in and around the plant premises through labs recognised under Environment (Protection) Act, 1986 and NABL accredited laboratory M/s VisonTek Consultancy Services PVT. Ltd. Bhubaneswar. Ground Water Analysis report is enclosed in Annexure-VIII. Since, it is a Zero discharge plant, no effluents are being discharged. Surface run-off and storm water during monsoon season is discharged through the guard pond and the same is under continuous surveillance through IP Camera and flow meter which is hooked to CPCB/SPCB server. However, manual ground water quality is being monitored in and around the plant premises. Analysis report of Ground Water is enclosed in Annexure-VIII.	Date: 28/11/2024

General Conditions

Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	Oily scum and metallic sludge recovered from ETP shall be mixed, dried, and briquetted and reused.

PPs Submission: Complied It is an Alumina Refinery plant and site-specific effluent treatment facility have been provided and the treated effluents are being reused. Hence ETP is not required and there is no generation of oily scum and metallic sludge in the process. In this regard, we had already requested your good office to exclude this condition vide our letter no. UAIL/ENV/2018-19/96 dated 16.07.2018.	Date: 26/11/2024

2	MISCELLANEOUS	The project proponent shall prepare GHG emissions inventory and shall submit the programme for reduction of the same including carbon sequestration including plantation.

PPs Submission: Complied The source of GHG emissions is coal fired boilers of CPP and FO used Calciner Burners. Utilization of coal and FO has been reduced by optimizing energy utilization. The other programs are (i) commissioning of 5 MW solar energy Plant for fully utilization in plant and township (ii) mass plantation around the plant area.	Date: 26/11/2024

3	Risk Mitigation and Disaster Management	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
PPs Submission: Complied Emergency Preparedness Plan based on HIRA and Disaster Management Plan has been prepared and implemented. The DMP is approved by the Director of Factories and Boilers, Odisha.		Date: 26/11/2024
4	Statutory compliance	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
PPs Submission: Complied Heat stress analysis of workmen of high temperature work zone is being carried out and PPEs like high temperature resistant suits are being provided as per the norms of Factory Act.		Date: 26/11/2024
5	Corporate Environmental Responsibility	The project proponent shall adhere to the corporate environmental policy and system of the reporting of any infringements/ non-compliance of EC conditions at least once in a year to the Board of Directors and the copy of the board resolution shall be submitted to the MoEF&CC as a part of six-monthly report.
PPs Submission: Complied Agreed, followed, and informed.		Date: 26/11/2024
6	MISCELLANEOUS	Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses.
PPs Submission: Complied Ventilation systems are Provided for adequate air changes.		Date: 26/11/2024
7	Corporate Environmental Responsibility	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Aluminium Industry shall be implemented.
PPs Submission: Complied As per CREP guideline, two issues (i) Phasing out of wet disposal of Red Mud and (ii) Utilisation of Red mud come under the purview of Alumina Refinery Plant. Red Mud is disposed using High Concentration Slurry Disposal (HCSD) with 60 percentage solids to red mud filtration unit as per the CREP guidelines. The filtered cake is being stored in the impervious Bauxite residue pond. Utilisation plan is made as intimated in the earlier conditions.		Date: 26/11/2024
8	Human Health Environment	A dedicated environmental cell with qualified personnel shall be established. The head of the environment cell shall report directly to the head of the organization.
PPs Submission: Complied An independent environment management cell has been established by the unit for monitoring of environmental parameters and implementation of effective control measures related to environment management. The head of the environment cell is directly reporting to the unit head of UAIL.		Date: 26/11/2024
9	MISCELLANEOUS	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

PPs Submission: Complied Mobile toilets, sewage treatment plant, safe drinking water, medical health care unit, creche etc. have been provided during the project phase. Now the project is completed and commissioned.		Date: 26/11/2024
10	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
PPs Submission: Complied Agreed and being adhered.		Date: 26/11/2024
11	Statutory compliance	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
PPs Submission: Complied Noted and agreed.		Date: 26/11/2024
12	Statutory compliance	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016
PPs Submission: Complied Hazardous waste is being disposed to the authorized recyclers/ reprocessors of SPCB as per the Hazardous and Other waste (Management and Transboundary Movement) Rules, 2016. Annual return in form IV has been submitted to OSPCB on 21.06.2024 for 2024-25 vide letter no. UAIL/ENV/2024-25/15 as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 (Rules 6(5), 13(8), 16(6) and 20 (2)).		Date: 26/11/2024
13	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
PPs Submission: Complied 1. Pre-employment Health check-up is being carried out for all the employees at the time of joining. 2. As per The Factories Act 1948 periodical Health checkup is being carried out on annual basis for all the employees and records are maintained and submitted to the Director of Factories and Boilers, Odisha.		Date: 26/11/2024
14	Statutory compliance	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.
PPs Submission: Complied All the environmental protection measures and safeguards recommended in the EIA/EMP report are complied with and followed.		Date: 26/11/2024
15	Statutory compliance	a. send a copy of environmental clearance letter to the heads of Local Bodies, Panchayat, Municipal bodies and relevant offices of the Government; b. put on the clearance letter on the web site of the company for access to the public. c. inform the public through advertisement within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MoEF&CC) at http:/envfor.nic.in. d. upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same periodically; e.

		monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company; f. submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB; g. submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company; h. inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

PPs Submission: Complied a) Complied. b) Complied. Environmental Clearance (EC) was uploaded in our company website (http://www.hindalco.com/upload/pdf/EC-alumina-refinery-expansion-power-plant-90MW-2018.pdf) c) The same was published in local newspapers namely The political business daily in English and The Sambada Kalika in Odia that are widely circulated in the region. d) The status of compliance of the stipulated environmental clearance conditions including the results of monitored data is being submitted along with half yearly compliance report and the same is uploaded periodically in our website utkal-alumina-six-monthly-ec-compliance-oct2023-march2024.pdf e) Ambient air quality and stack emission monitoring is being carried out and the results of the monitored parameters are displayed through digital display board provided at main gate for the public view. These monitored results along with six monthly compliance report are uploaded periodically in our website utkal-alumina-six-monthly-ec-compliance-oct2023-march2024.pdf f)Six monthly reports are being submitted regularly to Regional Office of the Ministry at Bhubaneswar / Central Pollution Control Board / SPCB, Odisha within stipulated time. However, as per the new notification, six monthly compliance report is being submitted in soft copy by uploading the compliances in MoEF and CC website PARIVESH g) Environment Statement for each financial year is being submitted annually to SPCB. The latest Environment Statement for 2023-24 was submitted to SPCB and MoEFCC on 26-10-2024 vide letter no. UAIL/ENV/2024-25/33 and uploaded in the Company Website. h) Date of financial approval: 06.01.2018 Date of land development work: 24.08.2018	Date: 26/11/2024

16	Statutory compliance	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

PPs Submission: Agreed to Comply Agreed.	Date: 26/11/2024

17	Statutory compliance	The PP shall abide by all the commitments and recommendations made in the EIA/EMP report and that during their presentation to the EAC. The commitment made by the project proponent to the issue raised during Public Hearing shall be implemented by the proponent

PPs Submission: Complied All the commitments and recommendations made in the EIA/EMP report were complied.	Date: 26/11/2024

18	Statutory compliance	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

PPs Submission: Complied Noted		Date: 26/11/2024
19	Statutory compliance	This EC is issued in suppression of the earlier EC vide F. No. J-11011/753/2007-IA-II(I) dated 29.01.2018
PPs Submission: Complied Noted		Date: 26/11/2024
20	MISCELLANEOUS	This is EC issued subject to the outcome of the court case in W.P.No. 5697 if 2007 (Prafulla Samantray Vs Union of India & Others) before High Court of Odisha.
PPs Submission: Complied The said W. P. No. 5697 of 2007 was dismissed as withdrawn being infructuous. The outcome of the W.P. issued by High Court of Odisha is submitted to your good office along with six monthly compliance report for the period Apr 19 to Sept 19 vide our letter no. UAIL/ENV/2019-20/25 dated 29-11-2019. Hence complied.		Date: 26/11/2024
21	MISCELLANEOUS	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
PPs Submission: Complied Noted		Date: 26/11/2024

Visit Remarks

Last Site Visit Report Date:	N/A
Additional Remarks:	Dear Sir, Pleased find enclosed herewith half yearly compliance status on Environmental Clearance pertaining to Alumina Refinery, M/s Utkal Alumina International Ltd, Doraguda for the period from Apr 2024 to Sep 2024 with respect to our Expansion Project of Alumina Refinery (1.5 to 3.0 MTPA) and Co- Generation Power Plant (90 to 150 MW) vide Ministry s letter No. J-11011/753/2007-IA II (I) dated 25.06.2018 This is for your kind information and necessary record please. Thanking you,

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.