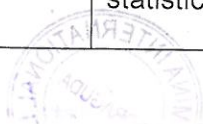


Compliance status of conditions imposed in Environmental Clearance for 1.0 MTPA Refinery & 50 MW co-generation Power Plant Vide letter No. J-11011/76/94-IA.II (I), dated 27.09.1995

Project Name : UTKAL ALUMINA INTERNATIONAL LTD.
Period of Compliance : April 2016 to September 2016.

Sl. No.	Imposed Condition	Compliance Status
I	The project authorities must strictly adhere to the stipulations laid down by the State Pollution Control Board and the State Govt.	Agreed.
II	Any expansion of the plant, either with the existing product mix or new products can be taken up only with the prior approval of this Ministry.	Approval has been obtained from the Ministry vide letter no F.NO. J-11011/753/2007 IA II(I),dated.29.01.2008 for the capacity expansion from 1 MTPA to 3 MTPA Refinery & from 50 MW to 90 MW co-generation Power Plant.
III	The gaseous and particulate emissions from various process units should conform to MINAS or standards prescribed by the concerned authorities, from time to time. At no time the emissions level should go beyond the stipulated standards. In the event of failure of any pollution control system adopted by the unit, the respective unit should be put out of operation immediately and should not be restarted until the control measures are rectified to achieve the desired efficiency.	Pollution control devices such as ESPs, bag filters, wet scrubbers, dry fog system and water spraying systems are installed at different process units to keep the emission level under control as per the norms of MoEF / CPCB/ SPCB. As suggested, in case of failure of any pollution control system the respective unit will be kept out of operation till restoration of pollution control devices. The gaseous and particulate emissions are within the prescribed limits.
IV	At least four ambient air quality monitoring stations should be set up in the down wind direction as well as where maximum ground level concentration is anticipated in consultation with the State Pollution Control Board. Monitoring network should be designed taking into account land use pattern, location of stacks, meteorological and topographic features including the results of existing monitored data. Stacks of the plant must be provided with automatic stack emission monitoring equipment. Stack emissions and ambient air quality data should be submitted to the State Pollution Control Board once in three months and to this Ministry once in six months, along with statistical analysis and interpretation.	Ambient air quality is being monitored by establishing six stations considering pre-dominant wind direction and maximum ground level concentration in consultation with OSPCB. The monitored data is being submitted to Ministry including its Regional Office at Bhubaneswar and OSPCB once in six months. The monitored results during the period April 2016 to September 2016 are enclosed as ANNEXURE- I. On-line monitoring system in all the stacks of CPP and Calciners of Refinery have been installed. The monitored data is being submitted to the State Pollution Control Board and to the Ministry's Regional Office at Bhubaneswar and CPCB once in six months. The monitored results during the period April 2016 to September 2016 is enclosed as



		ANNEXURE- II. Further, the online monitoring systems have been connected with the server of SPCB & CPCB for continuous transmissions of the data through the RTDAS.
V	There should not be any change in the stack design without the prior approval of the State Pollution Control Board.	Agreed.
VI	Liquid effluent should be properly treated and the treated effluent conforming to the prescribed standards should be utilized for green belt development to the maximum extent possible.	The plant operates on a Zero Discharge philosophy. All the process effluents are alkaline in nature and collected in caustic pond through a dedicated RCC drainage system. All this process water is fully recycled and used in the process there by reducing fresh water consumption. Domestic waste water of plant is being treated in STP and the treated water is being used for green belt development.
VII	Adequate number of influent and effluent monitoring stations should be setup in consultation with the State Pollution Control Board. If the effluent quality at any time, exceeds the standards prescribed, the corresponding units of the plant which are contributing to the excessive pollution load shall be immediately stopped from the operation till the quality of pollutants discharged from the units are brought down to the required levels.	Monitoring of influent and effluent is being carried by installing stations at various locations. As the plant operates on Zero Discharge philosophy, all the process effluents are collected and recycled back to the process. Hence, monitoring is done only for storm water in consultation with OSPCB at the discharge location.
VIII	Effluents from fly ash and red mud ponds should be treated and recycled to the maximum possible extent. Adequate number of wells around these ponds should be dug for ground water quality monitoring.	Provision is made to collect the supernatant water of red mud pond through decant wells and recycled in process and provision is made to reuse the waste water of ash pond in the same process. Ground water quality around the said ponds are being monitored and the same is attached herewith as ANNEXURE- III.
IX	The project authorities should ensure that villages located around the plant within 10km radius should have no pollution problem due to operation of the plant and other related activities.	Provisions are made to control all pollution sources by installing modern pollution control devices and management systems. Moreover, strict monitoring and precautionary measures are being taken to avoid such situations.
X	Solid waste disposal sites (red mud, ETP sludge, fly ash etc.) should be made impervious to avoid ground water contamination. These sites should have the approval of the State Pollution Control Board.	Solid waste disposal sites like red mud pond and fly ash pond are made impervious by providing clay & 1.5 mm HDPE lining to avoid ground water contamination. The design and drawing of both the ponds have been approved by State Pollution Control Board vide their Letter No. 19306/IND-IV-HW-931



		dated 30.08.2012.
XI	Hazardous substances and wastes should be handled as per the Hazardous wastes (Management and Handling) Rules, 1989 of the EPA, 1986.	Hazardous wastes such as used oil, cotton wastes of workshop etc. are being collected and handled as per the Hazardous wastes (Management and Handling) Rules, 1989 of the EPA, 1986.
XII	Fugitive emissions of dust / mists, vapours, fumes etc. should be controlled and in-plant monitoring of contaminants should be done regularly.	Bag filters, wet scrubbers, dry fog system and water sprinkling systems are installed at suitable locations to control fugitive emissions of dust / mists, vapours, fumes etc. and monitoring of fugitive emission is being carried out regularly.
XIII	A workable plan for fly ash and red mud utilization should be prepared and submitted to this Ministry for approval. At least 25% of solid wastes should be utilized in the first year of the commissioning of the plant and thereby increasing by 10% every year so that by the end of the 9 th year full utilization may take place.	Presently fly ash is being used to fill low lying areas with in plant premises, dyke height increase, road making and supply to brick manufacturing units. Current utilization is around 65% of total generation. The plant is situated at a remote place. There are only four fly ash brick manufacturing units around 20 km radius the plant and no cement industry exist within 150 km radius of the plant. However, we are exploring various avenues for utilization of fly ash and red mud in the coming years.
XIV	Lay out map (refinery complex, township and hill slopes) indicating : (a) area where plantation has already been done, rate of survival, total number of trees existing and measurement in hectare: (b) area to be covered under plantation: and (c) additional area under the control of industry which is not being used for any activity should be submitted to this Ministry by August, 1995 along with details on year -wise future green belt development plan, amount earmarked for the same and nurseries developed to be developed to cater the needs of such activities.	The lay out map showing plantation already taken up and to be taken up in future in different project area has been submitted vide our letter No. UAIL/ENV2012-13/43 dt17.11.2012.
XV	A study should be carried out to assess whether the local environment can assimilate satisfactorily the gaseous emissions and the liquid and solid discharges from the plant. The scope of study should be finalised in consultation with the state Pollution Control Board, Central Pollution Board, and this Ministry and the report be made available by June, 1996.	EIL was engaged to carry out this work on 3 rd May 2000. The scope of study was finalized in consultation with the state Pollution Control Board, Central Pollution Board, and MoEF. The study was carried out by engaging three renowned agencies: 1. Indira Gandhi Institute of Development, Research for Socio-economic study, (IGIDR), Mumbai, 2. Salim Ali Centre for Ornithology and Natural History (SACON), Coimbatore, for Biological environment study and



		<p>3. Engineers India Limited (EIL) Delhi, for the balance study and for coordinating and compilation of the study.</p> <p>The final report was received on 24th May 2002 and submitted to MoEF in Aug 2002.</p>
XVI	Investorisation of pollution sources and loads in terms of liquid, gases and solid wastes should be carried out and report submitted to State Pollution Control Board/ Ministry of Environment and Forests once in six months regularly.	Complied.
XVII	Biological monitoring of flora must be started within and in the vicinity of the plant. A study on impact on vegetation due to emissions of pollutants should be carried and report submitted to this Ministry.	The result of biological monitoring of flora within and in the vicinity of the plant area has been submitted vide our letter No. UAIL/ENV/2012-13/43 dated 17.11.2012.
XVIII	The proposed acquisition of land for the entire facilities is very much on the higher side and has to be reduced based on actual requirement of land for plant, township, and other facilities including green belt. A revised lay out and land estimate should be submitted to this Ministry by October, 1995.	The expansion of the project accorded vide letter no J-11011/753/2007-IA II (I), dated 29.01.2008 does not require any additional land.
XIX	A copy of Rehabilitation plan for the families to be shifted from the nearby villages should be provided by Oct'1995.	The same has been submitted vide our letter No. UAIL/ENV/2012-13/43 dated 17.11.2012.
XX	Feasibility of using low sulphur fuel other than oil in the Calciner be explored and report submitted to this Ministry by October, 1995.	The low sulphur fuel oil as provided by HPCL/IOCL is being used in the Calciners.
XXI	The project authorities must ensure regular medical examination for occupational diseases.	<p>1. Pre-employment Health check-up is being carried out for all the employees at the time of joining.</p> <p>2. As per The Factories Act – 1948 periodical Health check-up is being carried out on annual basis for all the employees and records are maintained.</p>
XXII	The project authority should set up laboratory facilities for collection and analysis of samples under the supervision of competent technical personnel who will directly report to the Chief Executive.	Presently monitoring of all required environmental parameters is being carried out by engaging MoEF recognized laboratory under the supervision of competent technical personnel.
XXIII	A separate Environment Management Cell with suitably qualified people to carry out various functions should be set up under the control of Sr. Executive, who will report directly to the Head of organization.	An independent environment management cell with qualified personnel has been established for monitoring of environmental parameters and implementation of effective control measures.



XXIV	The funds earmarked for the environmental protection measures should not be diverted for other purposes and year-wise expenditure should be reported to this Ministry.	The funds earmarked has been utilized in implementation of conditions laid down for protection of environment without diverting for any other purpose. The expenditure incurred during the financial year 2016-17 will be submitted in the next six monthly compliance report.
XXV	The project authorities must obtain forestry clearance as required under the Forest (Conservation) Act, 1980.	Earlier forest clearance under F.C.Act for 102.0 ha of forest land has already been obtained vide letter (No.8-43/96-FC) dated 19 April 1999 and for additional forest land 2.335 ha has been obtained vide letter No. 8-43/1996-FC (pt) dated 26.09.2014.
XXVI	A plan should be prepared for implementation in consultation with the state Department of Environment to reduce siltation of Indravati river.	A study on controlling siltation of Indravati River on account of the Project activities has already been carried out by CWPRS, Pune, and M/s GMS Power packs, Bhubaneswar. All the measures identified therein implemented.
XXVII	A green belt all around the plant and ash dump / red mud disposal area should be raised by selecting local species. At least 1500 plants per hectare should be planted.	Greenbelt around plant premises, railway corridor, red mud pond, ash pond, infrastructural areas have been developed by planting in 320 hectares of land up to the year 2016. The same will be continued in coming years also.



STATUS OF CONDITIONS IMPOSED IN ENVIRONMENTAL CLEARANCE FOR 3 MTPA REFINERY & 3X30 MW CO-GENERATION POWER PLANT VIDE LETTER NO. J-11011/753/2007-IA II (I), DATED 29.01.2008.

Project Name : UTKAL ALUMINA INTERNATIONAL LTD.
Period of Compliance : April 2016 to September 2016.

Sl. No.	Imposed Conditions	Compliance Status									
A.SPECIFIC CONDITIONS:											
1	<p>Adequate air pollution control measures shall be provided to control particulate matter Emissions within 50 mg/Nm³. On-line monitoring of particulate matter shall be carried out and reports submitted to the Ministry's Regional Office at Bhubaneswar, CPCB and OSPCB. The height of the stacks shall be as per the CPCB guidelines.</p>	<p>The following air pollution control devices have been installed at suitable locations.</p> <table border="1" data-bbox="850 667 1481 1014"> <thead> <tr> <th>Sl No.</th> <th>Location</th> <th>Control Device Details</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Power plant (Boilers- 1,2,3)</td> <td>ESP attached to each boiler & connected to the 150 meter height multi-flue-stack.</td> </tr> <tr> <td>2</td> <td>Calcination plant(A & B)</td> <td>ESP attached to each Calciner & connected to 136 meter height stack.</td> </tr> </tbody> </table> <p>On-line monitoring systems in all the stacks of CPP and Calciners of Refinery have been installed. The monitored data is being submitted to the State Pollution Control Board and to the Ministry's Regional Office at Bhubaneswar and CPCB once in six months. The monitored results during the period April 2016 to September 2016 is enclosed as ANNEXURE- II. Further, the online monitoring systems have been connected with the servers of SPCB & CPCB for continuous transmissions of the data through RTDAS.</p>	Sl No.	Location	Control Device Details	1	Power plant (Boilers- 1,2,3)	ESP attached to each boiler & connected to the 150 meter height multi-flue-stack.	2	Calcination plant(A & B)	ESP attached to each Calciner & connected to 136 meter height stack.
Sl No.	Location	Control Device Details									
1	Power plant (Boilers- 1,2,3)	ESP attached to each boiler & connected to the 150 meter height multi-flue-stack.									
2	Calcination plant(A & B)	ESP attached to each Calciner & connected to 136 meter height stack.									
2	<p>The company shall install electrostatic precipitator (ESP) to power boilers to control emissions within 50 mg/Nm³.The emissions shall conform to the standards prescribed by the Ministry/CPCB/OSPCB whichever is more stringent. Fugitive emission from red mud disposal area shall be controlled by mud stacking and water sprinkling. Bag filters with dust collectors shall be provided to Alumina loading area, bauxite crushing area, coal & ash handling areas and lime handling area to control the particulate emissions. Dust suppression and dry fog system shall be provided in Bauxite and coal handling areas. Garland drain shall be created at red mud and fly ash disposal areas.</p>	<p>Electrostatic precipitator (ESPs) designed to control particulate matter emissions within 50 mg/Nm³ and connected to the three boilers of the Power Plant with online monitoring system. The following provisions have been made to control fugitive emission:</p> <p>a) Mud slurry (60:40 ratio of solid:water) is being disposed following the HCS D technology, the discharge points are changed regularly to various locations of the red mud disposal area to keep the mud wet.</p> <p>b) Bag filters at alumina loading area, coal crusher, bauxite crusher, ash handling area have been provided. Water spraying at Bauxite/coal handling area and dry fog system at coal unloading area have been provided.</p> <p>c) Wet scrubber at lime handling area has been provided along with bag filters.</p> <p>Garland drains around red mud pond and fly ash disposal area have been provided.</p>									

3	The poly-aromatic hydrocarbons (PAH) shall be monitored quarterly & report is to be submitted regularly to the Ministry and its Regional Office at Bhubaneswar/CPCB/ OSPCB.	Complied. The monitored results of PAH is enclosed herewith as ANNEXURE-II .
4	Total water requirement from San River (Upstream of Indravati Reservoir) shall not exceed 22,330 m ³ /day as per the permission accorded by the Department of Water Resources, Govt. of Orissa. The wastewater shall be treated in ETP and reused in the process. 'Zero' discharge shall be adopted. Multi-effect evaporators shall be installed to recover water and recycle for process consumption to reduce the fresh consumption. The domestic wastewater shall be treated in the Sewage Treatment Plant (STP) and treated wastewater conforming to the standards for land application shall be reused for green belt development.	Till now, the water requirement has never exceeded 20,000 m ³ /day. The supernatant water of red mud pond, wash out of caustic handling area is being collected and reused in the process. The scrubbed liquor of lime handling plant is being completely re- utilized in the same process. All provisions have been made to reuse the supernatant water of ash pond in the same ash slurry making process. Multi-effect evaporators are put into operation to recover and reuse the water. STP is in operation to treat domestic wastewater and the treated water is being reused for green belt development and horticulture.
5	Red mud, sand scales and lime grit shall be disposed-off in red mud disposal area. Red mud disposal shall be done as per the CPCB guidelines. HDPE lining shall be provided to avoid any leakage to the ground. Leachate collection facilities shall be provided to the secured landfill facility (SLF). Proper care shall be taken to ensure no run off or seepage from the red mud disposal site to natural drainage. The location and design of the landfill site shall be approved by the OSPCB as per Hazardous Wastes (Management and Handling) Rules, 2003. Efforts shall also be made to find out productive uses of red mud in brick and ceramic products etc. STP sludge shall be utilized as manure for green belt development. All the used oil and batteries shall be sold to the authorized recyclers/reprocessors.	Red mud, sand scales are being disposed-off to red mud pond. Lime grit is being sold to the fly-ash brick manufacturers. Red mud is being disposed-off using High Concentration Slurry Disposal (HCSD) technology. HDPE lining has been provided in red mud pond. Leachate of the red mud pond is collected in a HDPE lined pond facility and the same is recycled to the process. 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 & 1.5 mm HDPE liner with sub-soil drainage collection & reuse system, run-off drainage network and leachate collection facility. Red mud samples have been sent to various research laboratories like IMMT, ACC for its productive utilization. STP sludge is being used as manure for plantation. Used oil and batteries are being sold to authorized recyclers/reprocessors.
6	Regular ground water monitoring shall be carried out all around the fly ash and red mud disposal area by installing Piezometers in consultation with the OSPCB /SGWB /CGWB and data submitted to the Ministry' Regional Office and OSPCB.	Monitoring of ground water in existing wells/ Piezometers around red mud & ash pond area is being carried out in each season and the monitored data is enclosed as ANNEXURE- III .
7	Fly ash shall be utilized as per Fly Ash Notification, 1999 and as amended in 2003. The industry shall also take steps to utilize ash to maximum extent by itself and shall provide all facilities to others potential users viz. cement and brick manufacturers.	Presently fly ash is being used to fill low lying areas within the plant premises, dyke height increase, road making and supply to brick manufacturing units. Current utilization is around 65% of total generation. The plant is situated at a remote place. There are only four fly ash brick manufacturing units around 20 km radius the plant and no cement industry exists

		within 150 km radius of the plant. However, we are exploring various avenues for utilization of fly ash in the coming years.
8	Green belt of adequate width and density around the project site shall be developed in 338 ha out of total 1015.3 ha. (33 %) in consultation with the DFO as per the CPCB guidelines.	As on date, green belt have been developed over an area of 320 ha out of the targeted 338 ha, within plant premises, outside the plant, red mud pond area, ash pond area, railway corridor etc. The same program will be continued to achieve the target of 338 ha.
9	Prior permission and recommendations of the State Forest Department regarding impact of the proposed expansion of the Alumina Refinery on the Sirigurha R.F. (8.8 km. N), Balia Kharha R.F. (6.4 Km., ENE), Masimandi PF (2.5 km, S), Leliguma R.F. (9 km. ENE), Titigurha RF (10 Km, ESE) shall be obtained and recommendations suggested, if any, shall be implemented.	As per the EIA/EMP no major impact of the expansion was envisaged on the said R.Fs. However, funds have been deposited to CAMPA fund under FC Act for taking care of the impacts on Flora and Fauna.
10	All the environmental conditions stipulated for the existing Alumina Refinery Plant (1.0 MTPA) mentioned in the environment clearance letter accorded by the Ministry vide letter no. J-11011/76/94-IA-II (I) dated 27th September, 1995 shall be implemented satisfactorily in a time bound manner.	Agreed. Separate six monthly compliance report for the same has been submitted to the Regional Office of the Ministry.
11	This environmental clearance is subject to the outcome of the Court Case in W.P. No. 5697 of 2007 (Prafulla Samantray vs. Union of India and Others) pending in the Hon'ble High Court of Orissa.	Agreed. The matter is pending before the Hon'ble High Court of Orissa. The details of the case have already been submitted vide our letter No. UAIL/ENV/2014-15/56 dated 17.02.2015.
B. GENERAL CONDITIONS		
1	The project authorities must strictly adhere to the stipulations made by the Orissa State Pollution Control Board (OSPCB) and the State Government	All the conditions stipulated by the State Pollution Control Board, Orissa are being effectively implemented and adhered to.
2	No expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Agreed
3	The gaseous emissions from various process units shall conform to the standards prescribed by the concerned authorities from time to time. The OSPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time the emissions level shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the	Agreed. Gaseous emissions are being monitored online on continuous basis and the reports are being submitted to Regional office of the Ministry. In addition, continuously the emissions data being sent to the servers of the OSPCB and the CPCB through the RTDAS system. No deviations from the prescribed standards have been observed so far.



	desired efficiency.	
4	Adequate number of ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the OSPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and OSPCB once in six months.	Ambient air quality is being monitored by establishing six nos. of AAQ stations considering pre-dominant wind direction and maximum ground level concentration in consultation with SPCB. In addition, four numbers of CAAQMS have also been installed to monitor the ambient air quality on continuous basis. The monitored data is being submitted to Ministry including its Regional Office at Bhubaneswar and OSPCB once in six months. The monitored results for the period April 16 to September 2016 are enclosed as ANNEXURE-I .
5	In-plant control measures for checking fugitive emissions from spillage/raw materials handling etc. shall be provided and particulate matter from Bauxite transport and crushing shall be provided with highly efficient bag filters and covered conveyers and adequate water sprinkling shall be done.	Provision is made to control fugitive emission at Bauxite crushing, handling area by bag filters, dry fog system, covered conveyors and spillage collection/water spraying on roads and sprinkling on stockpiles.
6	Industrial wastewater should 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. The treated wastewater shall be recycled in the plant as well as utilization for plantation purposes.	<ol style="list-style-type: none"> 1. The supernatant water of red mud pond is being collected through decant wells and reused in process. 2. The spills and other caustic bearing process liquids are routed to the respective area sumps and recycled back to process. 3. The storm water drainage network is connected to guard pond and reused in the process. 4. The scrubbed liquor of lime handling plant is being completely re- utilized in the same process. 5. Provision is made to collect and reuse the discharge water of ash pond in the same process and reuse of the domestic waste water in gardening and afforestation purposes after treatment.
7	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the OSPCB must be obtained for collection, storage, treatment and disposal of hazardous wastes.	Hazardous wastes such as used oil, cotton wastes of workshop etc. is being collected and handled as per the Hazardous wastes (Management and Handling) Rules, 1989 & amendments thereof of the EPA, 1986. Authorization from the OSPCB, Odisha has been obtained vide letter No. IND-IV-HW-931/12762 dated 17.08.2016 for collection, storage, treatment and disposal of hazardous wastes & is valid up to 31.03.2021.
8	The overall noise levels in and around the plant area shall be kept well within the standards (85 dB A) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB A (daytime) and 70 dB A (nighttime).	The design of installed equipment includes the noise control devices like acoustic hoods, silencers, enclosures etc. The overall noise level is well within (85 dB A) and the ambient noise levels within 75 dB A (daytime) and 70 dB A (nighttime). The monitored results of noise levels during the period April 2016 to September 2016 is enclosed as ANNEXURE-IV .



9	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.	<p>1. Pre-employment Health check-up is being carried out for all the employees at the time of joining.</p> <p>2. As per The Factories Act –1948 periodical Health check-up is being carried on annual basis for all the employees and records are maintained.</p>
10	The company shall develop rainwater structures to harvest the run-off water for recharge of ground water in consultation with the Central Ground Water Authority/Board.	<p>A network of drainage system having a length of 17 km of size 1m Depth × 1m Width has been provided to collect rain water and diverted to 3 nos. of pond of capacity 13,243 m³ (Dimension: Ø 71.5m X depth 3.3m), 25, 905 m³ (Dimension: Ø 100 m X 3.3m depth) and 10,000 M³ constructed at different levels for complete recirculation in process avoiding the usage of fresh water.</p> <p>Ground water recharge is not possible inside the plant due to alkaline process and six recharge pits have been constructed to harvest roof top rain water for ground water recharge at the township.</p>
11	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Aluminum sector shall be strictly implemented.	As per CREP for aluminium industry, red mud is being disposed to red mud pond through HCSD technology (60% Solids). Adhering to new scientific technology, Installation of red mud filtration unit is at completion stage by which red mud can be disposed in dry condition. We are exploring various avenues for utilization of the red mud.
12	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP /risk analysis and DMP report.	Implementation of environmental protection measures and safe guards are being complied as per the recommendation in EIA/EMP.
13	As proposed in EIA/EMP, Rs. 2.00 Crores and Rs. 43.00 Crores earmarked toward the capital cost and recurring expenditure/annum for environmental protection measures shall be used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purposes.	The funds earmarked have been utilized in implementation of conditions laid down for protection of environment without diverting for any other purpose. The expenditure incurred during the financial year 2016-17 will be submitted in the next six monthly compliance report.
14	The Regional Office of this Ministry at Bhubaneswar / Central Pollution Control Board / OSPCCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly.	Six monthly reports are being submitted regularly to Regional Office of the Ministry at Bhubaneswar / Central Pollution Control Board / SPCB, Odisha.



15	The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Orissa State Pollution Control Board / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . This should be advertised 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 of the locality concerned and a copy of the same should be forwarded to the Regional office.	Complied
16	The Project Authorities should 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.	Complied

