



भारत सरकार/ Government of India

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय/ Ministry of Environment, Forest & Climate Change

पूर्वी क्षेत्रीय कार्यालय/ Eastern Regional Office

ए/3 चन्द्रशेखरपुर/A/3 Chandrasekharpur,

भुवनेश्वर - 751 023/ Bhubaneswar - 751 023

Ph : 0674-2301213, 2301248, 2302452, 2302453, Fax : 2302432, E mail : roez.bsr-mef@nic.in



संख्या 101-260/ई.पी.ई

स्पीड पोस्ट

09-02-2018

सेवा में,

उप महाप्रबंधक,
इंडियन ऑइल कारपोरेशन लिमिटेड (रिफाइनरी),
पारादीप रिफाइनरी प्रोजेक्ट,
पोस्ट ऑफिस : झिमाना,
कुजंग, जगतसिंहपुर -754 141
ओडिशा

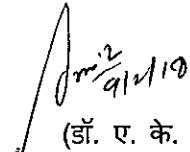
विषय : इंडियन ऑइल कारपोरेशन लिमिटेड (रिफाइनरी), परियोजना के अनुपालन की प्रमाणित पत्र के संबंध में।

महोदय,

मुझे यह सूचित करने का निर्देश हुआ है कि इस कार्यालय द्वारा दिनांक 27.04.2017 एवं 05.02.2018 को उपरोक्त परियोजना की मोनीटरिंग की गई। इस सन्दर्भ में अनुपालन की प्रमाणित पत्र आप के आवश्यक कारवाई हेतु संलग्न है।

संगलनक: यथोक्त

भवदीय,


(डॉ. ए. के. गुप्ता)
संयुक्त निदेशक (वै)



भारत सरकार/ Government of India

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय/ Ministry of Environment, Forest & Climate Change

पूर्वी क्षेत्रीय कार्यालय/ Eastern Regional Office

ए/3 चन्द्रशेखरपुर/A/3 Chandrasekharpur,

भुवनेश्वर - 751 023/ Bhubaneswar - 751 023

Ph : 0674-2301213, 2301248, 2302452, 2302453, Fax : 2302432, E mail : roe2.bsr-mef@nic.in



No.101-260/EPE

09-02-2018

To

The DGM-HSE,
Indian Oil Corporation Ltd.(Refineries Division),
Paradip Refinery Project,
PO:Jhimani, Via : Kujang,
Dist : Jagatsinghpur,
Odisha -754 141

Sub: Issue of Certified Compliance report in respect of 15 MTPA refinery along with SPM-II of Paradip Refinery project (formerly known as eastern India refinery project of 9 MMTPA capacity) located at village Abhaychandrapur, Jagatsinghpur, Orissa by M/s Indian Oil Corporation Ltd(IOCL)-reg.

Ref: Ministry's EC No. EC No.J-11011/70/2007-1A II (I) dated July 6, 2007.

The project was monitored by the undersigned 27.04.2017. The project officials like, Shri TDVS Gopalakrishna, Chief General Manager (TS), Dr. Ashutosh Mishra, Senior Quality Control Manager, Shri Sarvesh Kumar, Dy. General Manager (Quality Control), Shri B.K. Das, DGM (H, S & E) were present during monitoring.

The project was accorded ToR for installation facilities of BS VI MS/HSD (ISOM-1100 ton MTPA IMDMADGDX-1150 ton MTPA HGU-2 X 60 ton MTPA kero HDS-300 ton MTPA DHDT) vide letter No.J-11011/344/2016-IA II (I) dated 28.02.2017 for installation of ethylene recovery unit (ERU) and mono ethylene glycol unit (MEG). The Ministry had made amendment in the ToR vide letter No.J-11011/344/2016-IA.II (I) dated 30th May, 2017.

The PAs have complied or are in process of complying with the conditions stipulated by the Ministry. In this context, information/action plans have been sought on following points:

- It is required to submit quantum of effluent treated on daily basis, recycled and discharged to sea. It is also requested to submit inlet and out let quality analysis of effluent to this office. It has been noticed that PAs are using ETP outlet water for the purpose of gardening, which is contradictory to the above condition. Therefore, it is directed not to use ETP outlet waste water for the purpose of gardening. During monitoring it has been noticed that the RO system of the ETP is not functioning,
- It is required to conduct marine water quality analysis on regular basis and report should be submitted before Regional Office,
- It is required to increase green belt with indigenous variety of plant species which are showing resistance towards SOx emission within the plant area i.e. 2951 acre excluding township area.

(ATQ) It is advisable not to plant fruit bearing plants in project site,

iv. No information has been submitted on the Oil Spill Contingency Plan and Marine Disaster Management Plan. It is required to submit the plans at the earliest.

Ministry's EC No.J-11011/70/2007-1A II (I) dated July 6, 2007

(डॉ. ए. के. गुप्ता)
(DR. A. K. GUPTA)

संयुक्त निदेशक/ JOINT DIRECTOR
भारत सरकार/ Govt. of India

पर्यावरण वन एवं ज.प. मंत्रालय/ Min. of Env. For.
पूर्वी क्षेत्रीय कार्यालय/ Eastern Regional
भुवनेश्वर/ Bhubaneswar-751023

S. N.	CONDITIONS	Status of compliance																																																																																	
A.	SPECIFIC CONDITIONS:																																																																																		
i.	The company shall ensure strict implementation/ compliance to the stipulations made by MOEF vide OM No.J-11011/26/1997-IA-II dated 24 th December, 1997.	As stated by the PAs they are complying with the above condition.																																																																																	
ii.	The gaseous emissions (SO ₂ , NO _x , CO, NMHC & Benzene) from the various process units shall conform to the standards prescribed under the Environment (Protection) Rules, 1986 or norms stipulated by the SPCB whichever is more stringent. At no time, the emission level shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit should not be restarted until the control measures are rectified to achieve the desired efficiency.	<p>Stack emission being monitored for adherence to the MoEF notification dated 18th March, 2008. It has been found that PAs have set up 7 nos. of Ambient Air Quality Monitoring (AAQM) stations based on the modelling exercise conducted under the Comprehensive EIA Study. Continuous monitoring in all the 7 monitoring station has already been implemented which are connected with the OSPCB/CPCB server. The data of online monitoring station are found within the limit in all seven sites. Submitted data for the month of April, 2017 has been furnished below:</p> <table><tr><th></th><th>SO_x (mg/Nm³)</th><th>NO_x (mg/Nm³)</th><th>CO (mg/Nm³)</th><th>PM₁₀ (mg/Nm³)</th><th>PM_{2.5} (mg/Nm³)</th></tr><tr><td>AAQM-1</td><td>28</td><td>20</td><td>0</td><td>27</td><td></td></tr><tr><td>AAQM-2</td><td>12</td><td>8</td><td>1</td><td>38</td><td>15</td></tr><tr><td>AAQM-3</td><td>8</td><td>11</td><td>0</td><td>30</td><td>17</td></tr><tr><td>AAQM-4</td><td>17</td><td>9</td><td>1</td><td>77</td><td>20</td></tr><tr><td>AAQM-5</td><td>30</td><td>6</td><td>1</td><td>56</td><td>27</td></tr><tr><td>AAQM-6</td><td>14</td><td>15</td><td>7</td><td>51</td><td>30</td></tr><tr><td>AAQM-7</td><td>20</td><td>9</td><td>1</td><td>46</td><td>16</td></tr></table> <p>The data of stack emission for the month of May, 2017 is furnished below:</p> <table><tr><th></th><th>SO_x (mg/Nm³)</th><th>NO_x (mg/Nm³)</th></tr><tr><td>CDU</td><td>70.4</td><td>10.18</td></tr><tr><td>VDU</td><td>91.7</td><td>12.78</td></tr><tr><td>DCU – 1</td><td>49.2</td><td>39.6</td></tr><tr><td>FCC</td><td>42.7</td><td>15.6</td></tr><tr><td>DHDT</td><td>71.4</td><td>14.87</td></tr><tr><td>NHDT</td><td>25.41</td><td>12.2</td></tr><tr><td>VGO-HDT</td><td>42.8</td><td>20.8</td></tr><tr><td>HRSG-3</td><td>39.2</td><td>20.7</td></tr><tr><td>UB-2</td><td>141</td><td>16.87</td></tr><tr><td>UB-3</td><td>128.7</td><td>14.7</td></tr></table>		SO _x (mg/Nm ³)	NO _x (mg/Nm ³)	CO (mg/Nm ³)	PM ₁₀ (mg/Nm ³)	PM _{2.5} (mg/Nm ³)	AAQM-1	28	20	0	27		AAQM-2	12	8	1	38	15	AAQM-3	8	11	0	30	17	AAQM-4	17	9	1	77	20	AAQM-5	30	6	1	56	27	AAQM-6	14	15	7	51	30	AAQM-7	20	9	1	46	16		SO _x (mg/Nm ³)	NO _x (mg/Nm ³)	CDU	70.4	10.18	VDU	91.7	12.78	DCU – 1	49.2	39.6	FCC	42.7	15.6	DHDT	71.4	14.87	NHDT	25.41	12.2	VGO-HDT	42.8	20.8	HRSG-3	39.2	20.7	UB-2	141	16.87	UB-3	128.7	14.7
	SO _x (mg/Nm ³)	NO _x (mg/Nm ³)	CO (mg/Nm ³)	PM ₁₀ (mg/Nm ³)	PM _{2.5} (mg/Nm ³)																																																																														
AAQM-1	28	20	0	27																																																																															
AAQM-2	12	8	1	38	15																																																																														
AAQM-3	8	11	0	30	17																																																																														
AAQM-4	17	9	1	77	20																																																																														
AAQM-5	30	6	1	56	27																																																																														
AAQM-6	14	15	7	51	30																																																																														
AAQM-7	20	9	1	46	16																																																																														
	SO _x (mg/Nm ³)	NO _x (mg/Nm ³)																																																																																	
CDU	70.4	10.18																																																																																	
VDU	91.7	12.78																																																																																	
DCU – 1	49.2	39.6																																																																																	
FCC	42.7	15.6																																																																																	
DHDT	71.4	14.87																																																																																	
NHDT	25.41	12.2																																																																																	
VGO-HDT	42.8	20.8																																																																																	
HRSG-3	39.2	20.7																																																																																	
UB-2	141	16.87																																																																																	
UB-3	128.7	14.7																																																																																	

Amil

(डा. ए. के. गुप्ता)
(DR. A. K. GUPTA)

संयुक्त निदेशक/ JOINT DIRECTOR
भारत सरकार/ Govt. of India

परिवरण वन एवं ज.प. मंत्रालय/ Min. of Env. Forest
वी क्षेत्रीय कार्यालय/ Eastern Regional Office
भुवनेश्वर/ Bhubaneswar-751023

iii. Ambient air monitoring stations, [SPM, SO₂, NO_x and NMHC, Benzene] shall be set up in the refinery complex in consultation with SPCB, based on occurrence of maximum ground level concentration and down-wind direction of wind. The monitoring network must be decided based on modelling exercise to represent short term GLCs. Continuous on-line stack monitoring equipment shall be installed for measurement of SO₂ and NO_x. Data on VOC shall be monitored and submitted to the SPCB/ Ministry.

It has been found that PAs have set up 7 nos. of Ambient Air Quality Monitoring (AAQM) stations based on the modelling exercise conducted under the Comprehensive EIA Study. Continuous monitoring in all the 7 monitoring station has already been implemented which are connected with the OSPCB/CPCB server. The data of online monitoring station are found within the limit in all seven sites. Submitted data for the month of April, 2017 has been furnished below:

Locations	SO _x	NO _x	CO	PM ₁₀	PM _{2.5}
	(mg/Nm ³)			(mg/Nm ³)	
AAQM-1	28	20	0	27	
AAQM-2	12	8	1	38	15
AAQM-3	8	11	0	30	17
AAQM-4	17	9	1	77	20
AAQM-5	30	6	1	56	27
AAQM-6	14	15	7	51	30
AAQM-7	20	9	1	46	16

The data of stack emission for the month of May, 2017 is furnished below:

	SO _x (mg/Nm ³)	NO _x (mg/Nm ³)
CDU	70.4	10.18
VDU	91.7	12.78
DCU - 1	49.2	39.6
FCC	42.7	15.6
DHDT	71.4	14.87
NHDT	25.41	12.2
VGO-HDT	42.8	20.8
HRSG-3	39.2	20.7
UB-2	141	16.87
UB-3	128.7	14.7

iv. The total SO₂ emission from the refinery complex shall not exceed 1000 kg/hr after fully stabilizing of the expansion and modernization of the refinery complex and upgrading the existing facilities. SO₂ emission report may be made on daily basis for all the stacks (fuel burning and process emissions through the computerized mechanism). Further, regular monitoring of stacks every fortnight must also be carried out to cross check the data obtained from computerized monitoring by engaging a reputed organization. In addition, a monthly sulphur balance statement indicating type of fluid, its S - content, product S - content, SO₂ emission etc. may be made. Daily, fortnightly and monthly reports generated as above shall be sent to the SPCB and MOEF.

It has been stated that the SO₂ emission from the unit for the year 2016-17 are 6982 MT and SO₂ emission from unit fuel firing (considering on-stream hour as 83.20 hrs) is 839.1 MT which is within the limit prescribed above. However, as per stack monitoring data (in house), submitted stack emission data for the period of December, 2016 to March, 2017, the value of SO_x and NO_x in all stack of boiler and fire heater is found within the prescribed limit.

v. All the Sulphur Recovery Units shall have overall efficiency of 99.9%.

It has been found that PAs have already set up Sulphur Recovery plant with 99.9% efficiency. It is required to conduct its efficiency test on regular basis.

xiii.	Liquid effluents shall be treated to conform to the standards stipulated by CPCB / Ministry of Environment & Forests under EPA 1986 and also the new norms being specified. Treated effluent will be recycled and reused. The treated effluent shall be discharged into the sea through a pipeline of about 3 km from low tide line. The domestic effluent after treatment and conforming to the prescribed standards shall be used for greenbelt development.	It has been stated that PAs have set up effluent treatment plant for treatment of industrial treatment and sewage treatment plant for domestic effluent treatment. The treated water is reused up to certain extent and remaining water is being discharged to the sea through a pipeline of about 3 km from low tide line. <i>It is required to submit quantum of effluent treated on daily basis, recycled and discharged to sea. It is also requested to submit inlet and out let quality analysis of effluent to this office. It has been noticed that PAs are using ETP outlet water for the purpose of gardening, which is contradictory to the above condition. Therefore, it is directed not to use ETP outlet waste water for the purpose of gardening. During monitoring it has been noticed that the RO system of the ETP is not functioning.</i>
xiv.	The company shall undertake monitoring of the groundwater quality at the locations as suggested by the Central Ground Water Board. Monitoring results of the same shall be submitted to the OPCB/CPCB and MOEF.	It has been found that PAs are conducting ground water analysis in ETP area. As per the submitted in house (NABL accredited laboratory) monitoring report, values are found within the limit.
xv.	M/s IOCL shall undertake rainwater harvesting measures to recharge the ground water in the area in consultation with Central Ground Water Board and Orissa Pollution Control Board.	It has been found that PAs have set up two storm water reservoirs (Capacities: 2,96,000 KL and 3,13,000 KL) to store rain water in monsoon in the refinery premises.
xvi.	Green belt shall be raised in 580 acre area as per CPCB guidelines.	As stated, PAs have developed in an area of 580 acres with the help of Orissa Forest Development Corporation Ltd. (OFDCL). 5,87,000 trees have been planted around the refinery area and approx. 50,682 trees have been planted in the township. Every year also, Paradip Refinery is doing plantation in and around Refinery. Till date approximately 7.4 lacs trees have been planted. <i>However, it is required to increase green belt with indigenous variety of plant species which are showing resistance towards SOx emission within the plant area i.e. 2951 acre excluding township area. It is advisable not to plant fruit bearing plants in project site.</i>
xvii.	Occupational Health Surveillance of the employees and workers shall be done on a regular basis and records maintained as per the Factories Act.	It has been stated that PAs are conducting occupational health surveillance of the employees and workers and records are being maintained.
xviii.	The marine water quality shall be regularly monitored for the water quality (temperature, petroleum hydrocarbons, phenols, sulphides, total organic carbon), sediment quality (trace elements, petroleum hydrocarbons, TOC and sediment size) and biological parameters (primary productivity, benthos, fish quality and growth, biomass, phytoplankton and zooplankton).	It has been found that M/s PDIL, third party has been engaged for conducting the marine water quality monitoring. The report is yet to be submitted. During monitoring it has been noticed that PAs are not conducting biological parameters (primary productivity, benthos, fish quality and growth, biomass, phytoplankton and zooplankton) by the third party. <i>It is directed to conduct marine water quality analysis on regular basis and report should be submitted before Regional Office.</i>
xix.	The design, material of construction, assembly, inspection, testing and safety aspects of	It has been stated that the PAs are following the

	operation and maintenance of pipeline and transporting the oil shall be governed by ASME/ANSI B31.8/B31.4 and OISD standard 141.	standards.
xx.	The project authorities should install SCADA system with dedicated optical fibre based telecommunication link for safe operation of pipeline and Leak Detection System. Intelligent pigging facility should be provided for the entire pipeline system for internal corrosion monitoring. Coating and impressed current cathodic protection system should be provided to prevent external corrosion.	It has been stated that online detection of leak in the pipeline is through Optical fibre cable and is installed in South Oil jetty pipelines.
xxi.	The project authorities shall patrol and inspect the pipeline regularly for detection of faults as per OISD guidelines and continuous monitoring of pipeline operation by adopting non-destructive method(s) of testing as envisaged in the EMP. Pearson survey and continuous potential survey should be carried out at regular intervals to ensure the adequacy of cathodic protection system.	As stated by the project proponent that cathodic protection for underground piping under commissioning.
xxii.	The solid waste shall be disposed off in secured landfill facility within the refinery. The spent catalyst and incinerated sludge will be stored in segregated manner in the secured landfill area. Tank bottom sludge from refinery operation shall be put to oil recovery system and the residual sludge will be incinerated. The incinerated sludge ash shall be stored in secured landfill inside refinery. Bio sludge shall be stored in drying pit for natural weathering and then used as manure inside refinery premises.	It has been found that spent catalyst, etc. is being disposed to secured land fill area which is very poorly managed by IOCL. However, they are in process to commission incinerator per 100 kg/hr. They are having two oil sludge drying pit and one bio sludge drying pit. Therefore, it is directed to submit time bound plan for commissioning of the incinerator and also management of secured land area to the Regional Office.
xxiii.	The company shall also comply with all the conditions and safeguards prescribed in the EIA & Risk Assessment Reports.	It has been found that PAs are complying or in process to comply with the safeguards prescribed in the EIA and Risk Assessment reports.
xxiv.	The On-site and Off-site Emergency Preparedness Plans, Oil Spill Contingency Plans, Marine Disaster Management Plan shall be prepared for the enhanced refinery throughput and submitted to the Ministry before commissioning at the enhanced capacity.	It has been found that on-site and off-site preparedness plan is in place. It was also stated that Emergency Response and Disaster management Plan (ERDMP) has been approved by MoP&G. On-site emergency plan is approved by Director of Factories and Boiler. Off-site plan has been incorporated in District Emergency Plan. No information has been submitted on the Oil Spill Contingency Plan and Marine Disaster Management Plan. It is required to submit the plans at the earliest.
xxv.	The Environment Management Cell and laboratory facilities for the collection of the samples shall be augmented with suitable facilities and qualified personnel and directly report to the chief executive of the refinery complex.	It has been found that Environment Management Cell has been formed headed by GM-HSE. IOCL has NABL accredited laboratory which is handled by SGS officials. It is required to provide training to Environmental Management officials on the biological parameter of water and toxicity assessment for better understanding and compliance of

Ministry's EC No. J-11011/70/2007-1A II (I) dated July 6, 2007

डा. ए. के. गुप्ता
(DR. A. K. GUPTA)
संयुक्त निदेशक/JOINT DIRECTOR
भारत सरकार/Govt. of India
पर्यावरण वन एवं ज.प. मंत्रालय/Min. of Env. & Forests
पूर्वी क्षेत्रीय कार्यालय/Eastern Regional Office
भुवनेश्वर/Bhubaneswar-751005

(डा. ए. के. गुप्ता)
(DR. A. K. GUPTA)
संयुक्त निदेशक/JOINT DIRECTOR
भारत सरकार/Govt. of India
पर्यावरण वन एवं ज.प. मंत्रालय/Min. of Env. & Forests
पूर्वी क्षेत्रीय कार्यालय/Eastern Regional Office
भुवनेश्वर/Bhubaneswar-751005

		<i>the stipulated condition.</i>
xxvi.	The company shall prepare comprehensive EIA/EMP report and submit to the Ministry within one year.	It has been found that comprehensive EIA Report has been prepared and submitted.
B.	GENERAL CONDITIONS:	
i.	The project authorities must strictly adhere to the stipulations made by the Orissa State Pollution Control Board and the State Government.	The Consent Order for discharge of sewage and trade effluent has been obtained from SPCB, Odisha vide Order No.5527/IND-I-CON-6414 dated 18.04.2017 which is valid up to 31.03.2018.
ii.	No further expansion or modernization in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	The project was accorded ToR for installation facilities of BS VI MS/HSD (ISOM-1100 ton MTPA IMDMADGDX-1150 ton MTPA HGU-2 X 60 ton MTPA kero HDS-300 ton MTPA DHDT) vide letter No.J-11011/344/2016-IA II (I) dated 28.02.2017 for installation of ethylene recovery unit (ERU) and mono ethylene glycol unit (MEG).
iii.	At no time, the emissions shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the units, the respective unit should be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	It has been found that PAs have installed pollution control system in case of increase of pollution load beyond the prescribed limit; the unit shall automatically be switched off.
iv.	The overall noise levels in and around the plant area should be kept well within the standards (75 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	It has been found that PAs are conducting monitoring of noise and noise level is within the prescribed limit.
v.	The project authorities must strictly comply with the provisions made in Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended in 2000 for handling of hazardous chemicals etc. Necessary approvals from Chief Controller of Explosives must be obtained before commission of the project	It was stated that the PAs have applied for renewal of authorization for generation, handling, collection, storage and disposal of hazardous waste from SPCB, Odisha.
vi.	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 State Pollution Control Board must be obtained for collections/treatment/storage/disposal of hazardous wastes.	The PAs have obtained renewal of Authorization vide letter No.IND-IV-HW-930/9936 dated 27.07.2017, which is valid up to 31.03.2019. As submitted in Form 3 of Hazardous and other Wastes, PAs have stored FCC spent catalyst 738.15 MT in 2016-17. However, in 2017-18 they have stored 121.0 MT at the end of December, 2017 which is found well below the limit prescribed in the authorization certificate.

vii.	The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.	<p>It was stated that PAs have installed all the pollution control units at an approximate cost of 10% of the capital expenditure of Refinery. The details of expenditure incurred for the year 2016-17 and 2017-18 (till December, 2017) are furnished below:</p> <table><tr><th rowspan="2">SN</th><th rowspan="2">Particulars</th><th colspan="2">Cost (Rupees in lakhs)</th></tr><tr><th>2016-17</th><th>2017-18 till Dec' 17</th></tr><tr><td>1</td><td>Environment activities</td><td>1729</td><td>1806</td></tr><tr><td>2</td><td>Salary of Employees under Environment Cell</td><td>90.32</td><td>79.52</td></tr><tr><td></td><td>Total</td><td>1819.32</td><td>1885.52</td></tr></table> <p>The details of expenditure incurred under CSR activities during 2016-17 & in the year 2017-18 (till December, 2017) are furnished below:</p> <table><tr><th>Cost against CSR</th><th>2016-17 (rupees in lakh)</th><th>2017-18 till Dec, 2017</th></tr><tr><td>CSR Expenditure</td><td>198.06</td><td>187.51</td></tr></table>	SN	Particulars	Cost (Rupees in lakhs)		2016-17	2017-18 till Dec' 17	1	Environment activities	1729	1806	2	Salary of Employees under Environment Cell	90.32	79.52		Total	1819.32	1885.52	Cost against CSR	2016-17 (rupees in lakh)	2017-18 till Dec, 2017	CSR Expenditure	198.06	187.51
SN	Particulars	Cost (Rupees in lakhs)																								
		2016-17	2017-18 till Dec' 17																							
1	Environment activities	1729	1806																							
2	Salary of Employees under Environment Cell	90.32	79.52																							
	Total	1819.32	1885.52																							
Cost against CSR	2016-17 (rupees in lakh)	2017-18 till Dec, 2017																								
CSR Expenditure	198.06	187.51																								
viii.	The stipulated conditions will be monitored by the Regional of this Ministry at Bhubaneswar / Central Pollution Control Board / State Pollution Control Board.	This office is monitoring the above project.																								
ix.	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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://www.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.	It has been found that advertisement has been made in the two local newspapers i.e. 'The Samaj' in Oriya language and 'The Indian Express' in English language dated 18.07.2007.																								
x.	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.	Assured to comply with the above condition.																								
	Public Liability Insurance (PLI)	The PAs have obtained PLI from the New India Assurance Co. Ltd. on 11.04.2017.																								

(संयुक्त प्र. 18)

Ministry's EC No. J-11011/70/2007-1A II (I) dated July 6, 2007

प्राप्त
मंत्रालय
पर्यावरण एवं ज.प.
पूर्वी क्षेत्रीय कार्यालय
भुवनेश्वर

(डा० ए० के० गुप्ता)
संयुक्त निदेशक "द्वै०"

(डा. ए. के. गुप्ता)
(DR. A. K. GUPTA)

संयुक्त निदेशक/JOINT DIRECTOR
भारत सरकार/Govt. of India

पर्यावरण वन एवं ज.प. मंत्रालय/Min. of Env. Fore.
पूर्वी क्षेत्रीय कार्यालय/Eastern Regional O
भुवनेश्वर/Bhubaneswar-751023