



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 : roc@bsr-mef@nic.in



संख्या 101-310/ई.पी.ई / 226 स्पीड पोस्ट

दिनांक 01.10.2018

सेवा में,

श्री शरथ कुमार पल्लेरला, निदेशक - आई.ए.
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय,
इंदिरा पर्यावरण भवन,
जोरबाग रोड, अली गंज,
नई दिल्ली - 110 003।

विषय: मैसर्स सराफ एजेंसीज प्राइवेट लिमिटेड के इंटीग्रेटेड टाइटेनियम इंडस्ट्री का विस्तार की परियोजना के निरीक्षण के संबंध में।

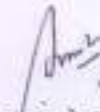
संदर्भ: मंत्रालय की पर्यावरण संरक्षण मंजूरी संख्या J-11011/658/2007-1A.II(I) दिनांक 16.10.2008, 16.10.2016 एवं 16.03.2016।

महोदय,


मुझे यह सूचित करने का निर्देश हुआ है कि इस कार्यालय द्वारा दिनांक 04.04.2018 को उपरोक्त परियोजना की मोनीटरिंग की गई। इस सन्दर्भ में अनुपालन पत्र की प्रमाणित पत्र आप के आवश्यक कारवाई हेतु संलग्न है।

संलग्नक उपरोक्त :

भवदीय,


(डॉ ए.के. गुप्ता)
संयुक्त निदेशक "वै०"

प्रतिलिपि : उपाध्यक्ष (कमर्शियल), मैसर्स सराफ एजेंसीज प्राइवेट लिमिटेड, आट. एन.एच.
16, बाई पास, टाइटेनियम पार्क, पो. छत्रपुर, जिला गंजाम - 761 020, ओडिशा।


संयुक्त निदेशक "वै०"
(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. Forest & C
पूर्वी क्षेत्रीय कार्यालय/ Eastern Regional Office
भुवनेश्वर/ Bhubaneswar-751023



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File No. 101-310/EPE

Date 01.10.2018

To

Shri Sharath Kumar Pallerla,
Director-IA ,
 Ministry of Environment, Forest & Climate Change,
 Indira Paryavaran Bhawan,
 Jor Bagh Road, Aliganj,
 New Delhi -110 003,
 E-mail: sharath.kr@gov.in

Sub: Issue of Certified Compliance Report in respect of Setting up of an Integrated Titanium Industry at Chhatrapur, Ganjam Dist, in Orissa by M/s Saraf Agencies Pvt. Ltd. -reg.

Ref: Ministry's EC No. J-11011/658/2007-IA.II(I) Dated 16.10.2008 & 16.10.2016 & 16.03.2016.

The project was monitored by undersigned during monitoring several officials were also present namely: Shri Ch. V.G.K. Murty, Director Project, Shri J.S. Sahoo, GM Project, Shri G.R. Kar, Electrical Head, Shri H.B. Ojha, Quality head, Shri Pankaj, Civil Eng, Shri S.K. Modi, Coordinator, Shri H. Nayak, GM HR etc are available during monitoring of the project. 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 speed up the process of solar light installation in the project site,
- It is required to increase the green belt with indigenous variety of species specially in the boundary of the project,
- It is required to submit six monthly compliance reports and Environmental statement on regular basis, Regional Office,
- It is required to submit policy towards corporate Environmental Responsibility expenditure in light of Ministry of Corporate Affair vides letter no. 05/01/2014-CSR dated 18.6.2014 to this Regional Office and also uploaded to company websites.

A.	SPECIFIC CONDITIONS	Status of compliance
i.	The project proponent should install 24x7 air monitoring devices to monitor air emissions, as provided by the CPCB and submit report to Ministry and its Regional Office.	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs have already installed continuous online monitoring system for monitoring of air pollutants levels in ambient air.
ii.	Gaseous emission levels including secondary fugitive emission from all the sources shall be controlled within the latest permissible limits issued by the Ministry vide G.S.R. 414(E) dated 30 th May,	As per discussion held during monitoring and report submitted by PAs. It has been found that gaseous emission levels including secondary fugitive emissions from all the sources has been controlled.

(डा. ए. के. गुप्ता)

Ministry's EC No. J-11011/658/2007-IA.II(I) Dated 16.10.2008 & 16.03.2016

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	2008 and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed.	
iii.	The company shall not discharge any effluent including storm water from the premise. 'Zero' effluent discharge shall be strictly followed.	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs have not discharge any effluent including storm water from the premises. 'Zero' effluent discharge is being strictly followed.
iv.	Skill development centre shall be established.	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs have given various technical training to about 200 villagers (Land losers) at St. Joseph Technical Institute, Chhatrapur and National Institute of Computer Training for more than one year. PAs are further exploring the possibility from our resource to provide skill development training to the needy.
v.	The project proponent shall provide for solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly.	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs are initiated the action for the installation of the solar light system in the plant. They have assured it will be completed within 2018-2019.
vi.	The project proponent shall provide for LED lights in their offices and residential areas.	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs have already provided LED lights in the various location of the project including office.
vii.	The project proponent shall take more efforts for controlling the emission of Sulphur Dioxide. Common neutralization shall be provided for SOx control.	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs have not yet installed the titanium Dioxide Pigment project, therefore, this condition is not applicable.
viii.	Ferro Gypsum the by-product of process should be temporarily dumped in earmarked area for its re-use.	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs have not yet installed the titanium Dioxide Pigment project, therefore, this condition is not applicable.
ix.	The project proponent shall take all precautionary measures for protection of natural water bodies. The marshy area shall not be disturbed.	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs have developed rain water harvesting structure for ground water recharge during rainy season. No natural water body has been disturbed.
x.	The total water requirement for the plant from River/Rushikulya should not exceed 7700 m3/day. The effluent shall be treated and shall be recycled back and used in dust suppression, green belt and slag cooling. The leachate generated shall be treated and reused.	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs have allocation letter for 0.72 cusec water from River Rushikulya for Titanium Slag Plant. Since the work of Titanium Dioxide Pigment project work is not yet commissioned, the water allocation for the same is kept on-hold. The effluent will be treated in ETP and treated water will be used suppression, green belt and slag cooling.
xi.	A Risk and Disaster Management Plan shall be prepared and a copy submitted to the Ministry's Regional Office, SPCB and CPCB within 3 months of issue of environment clearance letter. Fire alarm	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs have already submitted the Risk and Disaster Management Plan to this office.

Miscellaneous No. J-11011/658/2007-IA.II(I) Dated 16.10.2008 & 16.03.2016

(DR. A. K. GUPTA)

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	locations shall be marked on the layout plan and shall be placed at appropriate location at the plant site.	
xiii.	Vehicular pollution due to transportation of raw material and finished product shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material and finished product.	As per discussion held during monitoring and report submitted by PAs. It has been found that PAs are sprinkling the water on the road for control of Vehicular Pollution due to transportation of raw material and finished product.
xiii.	Regular monitoring of influent and effluent surface, Sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986 whichever are more stringent.	As per discussion held during monitoring and report submitted by PAs. It has been found PAs have engaged third party M/s Center for Envotech and Management Consultancy Pvt. Ltd. (CEMC), Bhubaneswar, which is NABL certified and accredited laboratory carrying out regular monitoring of Surface and Ground Water quality. As per the submitted analysis reports data are found within the prescribe limits.
xiv.	Proper handling, storage, utilization and disposal of all the solid/Hazardous waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office, SPCB A and CPCB. The proponent shall submit a copy of the agreement with the authorized vendor to the regional office as a part of compliance.	As per discussion held during monitoring and report submitted by PAs. It has been found handling, storage, utilization and disposal of solid waste has been carried out in proper ways.
xv.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	Submitted analysis report revealed that they have following National Ambient Air Quality Emission Standards.
xvi.	Green belt shall be developed at least in 33% of the project area by planting native and broad leaved species in consultation with local DFO, local community and as per Central Pollution Control Board guidelines.	As per discussion held during monitoring and report submitted by PAs. It has been found that developed green belt is not sufficient to sequester the emission coming out from the plant. It is utmost important to increase the green belt in an around the plant. They have stated that approx 5800 saplings of indigenous species have been planted and rest will be planted in this ongoing & next year's monsoon.
xvii.	Prior permission for drawl of 77-m ³ /day of water from River Rushikulya should be obtained from the concerned irrigation department/Public Health Department, Government of Odisha. For drawn of ground water, prior permission from Central Ground Water Authority/ State Ground Water Bard shall be obtained.	As stated earlier they have the permission for the drawl of water from River Rushikulya.
xviii.	An action plan for disposal of slag and hazardous water shall be submitted to the Ministry's Regional Office at	As per discussion held during monitoring and report submitted by PAs. The production of slag from Oct, 2016 to March 2018 is 9434.51 ton.

(आ. ए. के. गुप्ता)
Ministry of Environment, Forest & Climate Change, Govt. of India
DR. A. K. GUPTA | 1011/658/2007-IA.II(I) Dated 16.10.2008 & 16.03.2016

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Bhubaneswar within 3 months.		Months	Slag	Pig iron			
		Oct, 2016 to March, 2018	9434.51	4784.28			
XIX.	Ground water monitoring around the site shall be carried out regularly to assess the intrusion of sea water and report should be submitted to Ministry's Regional Office/ CPCB and OPCB.	As per discussion held during monitoring and report submitted by PAs. It has been found PAs have engaged third party M/s Center for Envotech and Management Consultancy Pvt Ltd. (CEMC), Bhubaneswar, which is NABL certified and accredited laboratory carrying out regular monitoring of Surface and Ground Water quality. As per the submitted analysis reports data are found within the prescribe limits.					
		SN	Characteristics	Desirable limits	Permissible limits	GW1	GW2
		Essential Characteristics					
		1	Color, Max.	5 Hazen	5 Hazen	<5	<5
		2	Odour	Agreeable	-	Agreeable	Agreeable
		3	Taste	Agreeable	-	Agreeable	Agreeable
		4	Turbidity, Max.	1 NTU	5 NTU	1.8	2.6
		5	pH value @25°C	6.5 to 8.5	6.5 to 8.5	6.76	7.08
		6	Total Hardness (as CaCO ₃), Max.	300 mg/l	600 mg/l	223	242
		7	Iron (as Fe), Max.	0.3 mg/l	No relaxation	<0.05	<0.05
		8	Chloride (as Cl), Max.	250 mg/l	1000 mg/l	18.2	22.61
		9	Residual Free Chlorine, Min.	0.2 mg/l	1 mg/l	ND	ND
		Desirable Characteristics					
		10	Dissolved Solids, Max.	500 mg/l	2000 mg/l	314.6	296.8
		11	Calcium (as Ca), Max.	75 mg/l	200 mg/l	46.31	49.6
		12	Magnesium (as Mg), Max.	30 mg/l	100 mg/l	26.41	29.07
		13	Copper (Cu), Max.	0.05 mg/l	1.5 mg/l	<0.01	<0.03
		14	Fluoride (as F), Max.	1.0 mg/l	1.5 mg/l	0.18	0.31
		15	Manganese (as Mn), Max.	0.1 mg/l	0.3 mg/l	<0.05	<0.05
		16	Sulphate (as SO ₄), Max.	200 mg/l	400 mg/l	56	29
		17	Nitrate (as NO ₃), Max.	45 mg/l	100 mg/l	4.1	5.9
		18	Phenolic Compounds (as C ₆ H ₅ OH), Max.	0.001 mg/l	0.002 mg/l	<0.001	<0.001
		19	Mercury (as Hg), Max.	0.001 mg/l	No Relaxation	<0.001	<0.001
20	Cadmium (as Cd), Max.	0.01 mg/l	No Relaxation	<0.001	<0.001		
21	Selenium (as Se), Max.	0.01 mg/l	No Relaxation	<0.001	<0.001		
22	Arsenic (as As), Max.	0.01 mg/l	0.05 mg/l	<0.001	<0.001		
23	Cyanide (as CN),	0.05	No	ND	ND		

Mis. No. के (पुस्त) J-11011/658/2007-IA.II(I) Dated 16.10.2008 & 16.03.2016

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बhubaneswar, Odisha, India

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पर्यावरण वन एवं ज. पू. मंत्रालय

भारत सरकार

पर्यावरण वन एवं ज. पू. मंत्रालय

पूर्वी क्षेत्रीय कार्यालय

बhubaneswar, Odisha, India

	Max	mg/l	Relaxat ion		
24	Lead (as Pb), Max.	0.01 mg/l	No Relaxat ion	0.015	<0.01
25	Zinc (as Zn), Max.	5.0 mg/l	15 mg/l	0.28	0.11
26	Anionic detergent (as MBAS), Max.	0.2 mg/l	1.0 mg/l	<0.0 2	<0.02
27	Chromium (as Cr ⁶⁺), Max.	0.05 mg/l	No Relaxat ion	<0.0 5	<0.05
28	Mineral Oil, Max.	0.01 mg/l	0.01 mg/l	ND	ND
29	Alkalinity (as CaCO ₃), Max.	200 mg/l	600 mg/l	52	37
30	Aluminium (as Al), Max.	0.03 mg/l	0.2 mg/l	<0.0 1	<0.01
31	Boron, Max.	0.3 mg/l	1.5 mg/l	<0.0 1	<0.01

NB: ND- Not Detectable

Surface Water Analysis Report

SN	Test Parameters	Unit	Max. Tolerance limit as per IS 2296: Class C	Results
1	Colour, Max.	Hazen	300 Hazen	7.0
2	pH value (@25°C)	—	6.5 to 8.5	7.87
3	Iron as Fe, Max.	mg/l	50	0.74
4	Chloride as Cl, Max.	mg/l	600	156
5	Dissolved Solids, Max.	mg/l	1500	714
6	Dissolved Oxygen, Min.	mg/l	4	6.8
7	BOD: 3 days at 27°C, Max.	mg/l	3	36
8	Oil & Grease, Max.	mg/l	0.1	Not Detected
9	Copper as Cu, Max.	mg/l	1.5	<0.03
10	Sulphate as SO ₄ , Max.	mg/l	400	86
11	Nitrate as NO ₃ , Max.	mg/l	50	31
12	Fluoride as F, Max.	mg/l	1.5	0.22
13	Anionic detergent	mg/l	1	<0.05
14	Cadmium as Cd, Max.	mg/l	0.01	<0.01
15	Selenium as Se, Max.	mg/l	0.05	<0.001
16	Arsenic as As, Max.	mg/l	0.2	<0.001
17	Cyanide as CN, Max.	mg/l	0.05	Not Detected
18	Phenolic compound as C ₆ H ₅ OH, Max.	mg/l	0.005	<0.001
19	Lead as Pb, Max.	mg/l	0.1	<0.1
20	Zinc as Zn, Max.	mg/l	15	0.146
21	Hexavalent Chromium as Cr ⁶⁺ , Max.	mg/l	0.05	<0.05
22	Total Coliform, Max.	MPN/ 100 ml	5000	1031

xx. At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional

As per discussion held during monitoring and report submitted by PAs. It has been found PAs have spent 2.5% of the total cost i.e., 779.51 cores amounting to Rs 19.50 cores towards Corporate Social Responsibility. Which are as follows:

Ministry (DR. A. K. GUPTA) 111011/658/2007-IA.II(I) Dated 16.10.2008 & 16.03.2016

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(DR. A. K. GUPTA)
Joint Director, Environment
Govt. of India
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Bhubaneswar-751023

	<p>Office. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office.</p>	<table border="1"> <thead> <tr> <th>SN</th> <th>Social work</th> <th>Amount already spent till date</th> </tr> </thead> <tbody> <tr> <td>a)</td> <td>Construction of village Temples</td> <td>15.0</td> </tr> <tr> <td>b)</td> <td>Tube wells for village</td> <td>10.0</td> </tr> <tr> <td>c)</td> <td>Providing job opportunity</td> <td>118.0</td> </tr> <tr> <td>d)</td> <td>Providing support to education by providing assistance in repair village school</td> <td>-</td> </tr> <tr> <td>e)</td> <td>Providing medical assistance</td> <td>-</td> </tr> <tr> <td>f)</td> <td>Local infrastructure</td> <td>-</td> </tr> <tr> <td>g)</td> <td>Social afforestation</td> <td>0.50</td> </tr> <tr> <td>h)</td> <td>Rain water Storage</td> <td>1169.59</td> </tr> <tr> <td>i)</td> <td>Support of game</td> <td>-</td> </tr> <tr> <td>j)</td> <td>Total</td> <td>1313.13</td> </tr> </tbody> </table>	SN	Social work	Amount already spent till date	a)	Construction of village Temples	15.0	b)	Tube wells for village	10.0	c)	Providing job opportunity	118.0	d)	Providing support to education by providing assistance in repair village school	-	e)	Providing medical assistance	-	f)	Local infrastructure	-	g)	Social afforestation	0.50	h)	Rain water Storage	1169.59	i)	Support of game	-	j)	Total	1313.13
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j)	Total	1313.13																																	
xxi.	<p>The proponent shall prepare a detailed CSR plan for every year for the next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health , Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 ye3ars towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the plan shall be submitted as part of the Compliance Report to RO. The details of CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the Company.</p>	<p>As stated by PAs that In the present status, the provision relating to CSR as specified under Sec 135 of the Companies Act-2013 are not applicable to us as we do not fulfill any of the criteria viz; net-worth, turnover or net profit as mentioned in the Act. It is required to submit policy towards corporate Environmental Responsibility expenditure in light of Ministry of Corporate Affair vides letter no. 05/01/2014-CSR dated 18.6.2014 to this Regional Office. The above information is not uploaded on the company websites.</p>																																	
xxii.	<p>The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating Process/Procedure to being into focus any infringement/deviation/ violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non-compliance /violation environmental</p>	<p>As stated by PAs that In the present status, the provision relating to CSR as specified under Sec 135 of the Companies Act-2013 are not applicable to us as we do not fulfill any of the criteria viz; net-worth, turnover or net profit as mentioned in the Act. It is required to submit policy towards corporate Environmental Responsibility expenditure in light of Ministry of Corporate Affair vides letter no. 05/01/2014-CSR dated 18.6.2014 to this Regional Office. The above information is not uploaded on the company websites.</p>																																	

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Ministry of Environment, J-11011/658/2007-IA.II(I) Dated 16.10.2008 & 16.03.2016

(DR. A. K. GUPTA)

संयुक्त निदेशक/ JOINT DIRECTOR

भारत सरकार/ Govt. of India

पर्यावरण वन एवं ज.प. मंत्रालय/Min. of Env. Forest &

पूर्वी क्षेत्रीय कार्यालय/ Eastern Regional Office

धरमपुरा/ Dharampur, 751004

	norms to the Board of Directors of the company and/or stakeholders or shareholders.																																					
xxiii	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.	As the project is under operational stage therefore no major construction work is going on the sites.																																				
B	General Conditions:																																					
i	The project authorities must strictly adhere to the stipulations made by the Odisha Pollution Control Board and the State Government.	As per discussion held during monitoring and report submitted, it has been found that PAs have obtained consent to operate by WBPCB vide no. 4771/Ind-Con-6543 dated 30.3.2017 and valid up to 31.3.2021. PAs are complying or in process to comply the stipulated made in it.																																				
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).	Assured to comply																																				
iii.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , PM _{2.5} , SO ₂ AND NO _x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.	As per discussion held during monitoring and report submitted by PAs. It has been found PAs have engaged third party M/s Center for Envotech and Management Consultancy Pvt Ltd. (CEMC), Bhubaneswar, which is NABL certified and accredited laboratory for Air Quality monitoring and same is carried on regular basis. Ambient Air Quality result for the month of April to September, 2017 is depicted below. As per the analysis report data are found within the prescribe limits.																																				
		<table border="1"> <caption>Ambient Air Quality Monitoring Test Report (Concentration in µg/m³)</caption> <thead> <tr> <th>SN.</th> <th>Items</th> <th>Near Plant Site</th> <th>Near Plant Gate</th> <th>Kanama na Village</th> <th>Matikh alo Village</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Particulate Matter (PM₁₀)</td> <td>70.1</td> <td>64.8</td> <td>52.8</td> <td>56.4</td> </tr> <tr> <td>2</td> <td>Particulate Matter (PM_{2.5})</td> <td>42.7</td> <td>36.3</td> <td>30.2</td> <td>31.4</td> </tr> <tr> <td>3</td> <td>Sulphur Dioxide (SO₂)</td> <td>19.3</td> <td>22.4</td> <td>17.6</td> <td>16.4</td> </tr> <tr> <td>4</td> <td>Nitrogen Oxides (NO_x)</td> <td>17.4</td> <td>19.8</td> <td>15.1</td> <td>15.8</td> </tr> <tr> <td>5</td> <td>Carbon Monoxide (CO)</td> <td><0.1</td> <td><0.1</td> <td><0.1</td> <td><0.1</td> </tr> </tbody> </table>	SN.	Items	Near Plant Site	Near Plant Gate	Kanama na Village	Matikh alo Village	1	Particulate Matter (PM ₁₀)	70.1	64.8	52.8	56.4	2	Particulate Matter (PM _{2.5})	42.7	36.3	30.2	31.4	3	Sulphur Dioxide (SO ₂)	19.3	22.4	17.6	16.4	4	Nitrogen Oxides (NO _x)	17.4	19.8	15.1	15.8	5	Carbon Monoxide (CO)	<0.1	<0.1	<0.1	<0.1
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iv.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December, 1993 or as amended form time to time. The treated wastewater shall be utilized for	As per discussion held during monitoring and report submitted by PAs. It has been found PAs have ETP of 20 KL for the treatment of industrial waste water. It is noted that the quantum of waste water generated is very minimum; therefore, established ETP is not getting sufficient effluent for the treatment.																																				

Ministry's ECIND. J-11011/658/2007-IA.II(I) Dated 16.10.2008 & 16.03.2016
(DR. A. K. GUPTA)

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संयुक्त निदेशक/Joint Director
भारत सरकार/Govt. of India

पर्यावरण वन एवं ज.प. मंत्रालय/Min. of Env. Forest & J.
पूर्वी क्षेत्रीय कार्यालय/Eastern regional Office
भुवनेश्वर/Bhubaneswar-751023

(DR. A. K. GUPTA)
Bhubaneswar, Odisha
Date: 16/03/2016
Signature of the Director
Joint Director
Ministry of Environment, Forests and Climate Change
Bhubaneswar, Odisha

	plantation purpose.																																															
v	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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dB(A) (daytime) and 70 dB(A) (nighttime).	As per discussion held during monitoring and report submitted by PAs. It has been found PAs have engaged third party M/s Center for Envotech and Management Consultancy Pvt Ltd. (CEMC), Bhubaneswar, which is NABL certified and accredited laboratory for ambient noise levels monitoring and same is carried on regular basis. Ambient noise Quality result for the month of April to September, 2017 is depicted below. As per the analysis report data are found within the prescribe limits. <table border="1"> <thead> <tr> <th rowspan="2">SN</th> <th rowspan="2">Location</th> <th colspan="3">Bl. Day Time dB(A)</th> <th colspan="3">Bl. Night Time dB(A)</th> </tr> <tr> <th>Max</th> <th>Min</th> <th>Avg</th> <th>Max</th> <th>Min</th> <th>Avg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Near Plant Site</td> <td>71.6</td> <td>62.7</td> <td>64.8</td> <td>64.7</td> <td>59.1</td> <td>61.3</td> </tr> <tr> <td>2</td> <td>Near Plant Gate</td> <td>76.1</td> <td>64.1</td> <td>67.3</td> <td>68.6</td> <td>63.2</td> <td>63.7</td> </tr> <tr> <td>3</td> <td>Kanamara Village</td> <td>53.4</td> <td>48.2</td> <td>49.6</td> <td>48.7</td> <td>42.1</td> <td>44.9</td> </tr> <tr> <td>4</td> <td>Matkhalo Village</td> <td>52.4</td> <td>41.7</td> <td>46.4</td> <td>49.1</td> <td>38.6</td> <td>41.7</td> </tr> </tbody> </table>	SN	Location	Bl. Day Time dB(A)			Bl. Night Time dB(A)			Max	Min	Avg	Max	Min	Avg	1	Near Plant Site	71.6	62.7	64.8	64.7	59.1	61.3	2	Near Plant Gate	76.1	64.1	67.3	68.6	63.2	63.7	3	Kanamara Village	53.4	48.2	49.6	48.7	42.1	44.9	4	Matkhalo Village	52.4	41.7	46.4	49.1	38.6	41.7
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vi	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	As per discussion held during monitoring and report submitted, it has been found that PAs engaged 210 workers on company payroll and 50 workers on contractual. They have conducted occupational health examination of the workers on the yearly basis and maintain the record.																																														
vii	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	As per discussion held during monitoring and report submitted by PAs. It has been found PAs have already developed rain water harvesting pond, which is sufficient to take care of 70 days of water requirement of the plant, if the pond is full. As per information submitted by PAs the size of the rain water harvesting pond is 218.5 m x 143 m x 7.5 m depth. Capacity of the pond is 23 crore Ltrs. (approx).																																														
viii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	As per discussion held during monitoring and report submitted, it has been found that PAs are in process to implement and complying various environment management measures mentioned in there EIA/EMP.																																														
ix	Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change (MoEFCC) as the State Government. An	As per discussion held during monitoring and report submitted by PAs. It has been found PAs have made separate budget towards capital and operating environment expenditure. As per submitted report they have spend around Rs 55318964.00 towards the installation and maintenance of the various Pollution control equipments.																																														

Ministry of Environment, Forest and Climate Change, Govt. of India, J-11011/658/2007-IA,II(I) Dated 16.10.2008 & 16.03.2016

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(ATTN: DR. A. K. GUPTA)

पर्यावरण वन एवं जल, मंत्रालय/Min. of Env. Forest & C

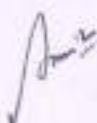
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	implementation schedule for implementing all the conditions stipulated' herein shall be submitted to the Regional office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.	
x	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/Representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	It has been found that PAs are uploaded EC related information on the website www.sarafagencies.com , which is regularly be updated. As informed they have already submitted the copy of Environment Clearance to the concerned Govt. /Private Bodies.
xi	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEFCC at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM ₁₀ , SO ₂ , NO _x (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	It has been found that PAs are uploaded EC related information on the website, which is regularly updated. It has been found that PAs are displaying by Electronic Multi line display board to SPM, PM ₁₀ , SO ₂ , NO _x and water quality data on the company main gate for public domain.
xii	The project proponent shall also 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 by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.	As per record available with Regional office, it has been found that PAs are irregular in submitting the six monthly compliance reports along with analysis reports to this office.
xiii	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of	As per record available with Regional office it has been found that PAs are irregular in submitting the environmental statement to this office.



	compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Bhubaneswar by e-mail.	
xiv	The Project Proponent shall inform the public 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 (MoEFCC) at http://envfor.nic.in . This shall 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 at Bhubaneswar.	It has been found that Information regarding issue of Environmental Clearance by the MoEF&CC was published in local language Odia The Prameya on 26 March, 2016 as well as in English newspaper Indian Express 26 March, 2016.
xv	Project authorities shall 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 the commencing the land development work.	Complied.
<p>Conclusion: 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:</p> <ol style="list-style-type: none"> It is required to speed up the process of solar light installation in the project site, It is required to increase the green belt with indigenous variety of species specially in the boundary of the project, It is required to submit six monthly compliance reports and Environmental statement on regular basis, Regional Office, It is required to submit policy towards corporate Environmental Responsibility expenditure in light of Ministry of Corporate Affair vides letter no. 05/01/2014-CSR dated 18.6.2014 to this Regional Office and also uploaded to company websites. <p>Recommendations: This project can be put up in the following tick-marked category of compliance status.</p> <ol style="list-style-type: none"> Compliance status could not be judged as the project was not operational during the site visit. No non-compliance detected. No any further action is required. <input checked="" type="checkbox"/> Minor non-compliance detected (not of immediate danger to health & safety of the people). Letter issued to project authorities for taking corrective measures. Serious non-compliance detected. Show-Cause Notice issued to project authorities (copy enclosed). 		

Amk
11/01/16
✓ (डा० ए० के० गुप्ता)
संयुक्त निदेशक "वे०"

Copy to: The Vice President (Commercial), M/s Saraf Agencies Pvt. Ltd., At. NH-16, By Pass, Titanium Park, PO. Chatrapur, Dist. Ganjam - 761 020, Odisha, E-mail: sal@cal.vsnl.net.in for information and necessary action.

Amk
11/01/16
संयुक्त निदेशक "वे०"

Ministry's EC No. J-11011/658/2007-IA.II(I) Dated 16.10.2008 & 16.03.2016

✓ (डा० ए० के० गुप्ता)
(DR. A. K. GUPTA)
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