

The Orissa Gazette



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INDUSTRIES DEPARTMENT

NOTIFICATION

The 4th August 2009

No. 11308-XX-HI-16/2009/I.—In exercise of the powers conferred by Section 2 (h), 2(i) and 14 of the Orissa Industrial Infrastructure Development Corporation Act, 1980 and in pursuance of the Revenue Department Notification No. 44308/R., dated the 20th August, 1981 the State Government do hereby declare the following Industrial Zones as Industrial Estates/Industrial Areas for (all purposes of) development/establishment of Industries by IDCO in the State with immediate effect.

Sl. No.	District	Industrial Estate	Industrial Area	Sub-Division	Tahasil
(1)	(2)	(3)	(4)	(5)	(6)
1	KHURDA	Bhubaneswar		Bhubaneswar	Bhubaneswar
2	-do-	Mancheswar		Bhubaneswar	Bhubaneswar
3	-do-		Chandaka	Bhubaneswar	Bhubaneswar
4	-do-		Bhagabanpur	Bhubaneswar	Bhubaneswar
5	-do-		Janla	Bhubaneswar	Bhubaneswar
6	-do-	Khurda		Khurda	Khurda
7	-do-		Chhatabar	Khurda	Bhubaneswar
8	-do-		Sarua	Khurda	Khurda
9	-do-		Kahneipur	Khurda	Banpur
10	NAYAGARH	Nayagarh		Nayagarh	Nayagarh
11	CUTTACK	Cuttack		Cuttack	Cuttack
12	-do-	Jagatpur(New)		Cuttack	Cuttack
13	-do-	Jagatpur (Old)		Cuttack	Cuttack
14	-do-	Choudwar		Cuttack	Tangi-Choudwar
15	-do-	Athagarh-R.D.Pur		Athagarh	Athagarh
16	-do-		Athagarh-Ankula	Athagarh	Athagarh
17	-do-		Nua Sasan	Athagarh	Athagarh
18	-do-		Nidhipur	Athagarh	Athagarh

(1)	(2)	(3)	(4)	(5)	(6)
19	KENDRAPARA	Kendrapara		Kendrapara	Kendrapara
20	-do-		Chhata (Derabis)	Kendrapara	Kendrapara
21	JAGATSINGHPUR	Paradip		Paradip	Kujanga
22	-do-		Paradip-III (Bhitargarh)	Paradip	Kujanga
23	-do-		Paradip-III (Udayabhat)	Paradip	Kujanga
24	BALASORE	Balasore		Balasore	Balasore
25	-do-		Somanathpur	Balasore	Balasore
26	-do-		Balagopalpur	Balasore	Balasore
27	-do-		Ganeswarpur	Balasore	Balasore
28	-do-		Bampada	Balasore	Balasore
29	-do-		Panpana	Balasore	Panpana
30	-do-		Srikona	Balasore	Balasore
31	-do-	Baliapal		Balasore	Balasore
32	MAYURBHANJ	Takatpur		Baripada	Baripada
33	-do-	Chhancha		Baripada	Baripada
34	-do-		Hemachandrapur	Baripada	Baripada
35	-do-		Rairangpur	Panchipir	Rairangpur
36	BHADRAK	Bhadrak		Bhadrak	Bhadrak
37	JAJPUR	Jaraka		Dharmasala	Dharmasala
38	KEONJHAR	Keonjhar		Keonjhar	Anandpur
39	-do-	Barbil		Champua	Barbil
40	-do-		Matakambada	Champua	Keonjhar
41	GANJAM	Berhampur		Berhampur	Berhampur
42	-do-		Auto Nagar-PH-I	Berhampur	Berhampur
43	-do-		Auto Nagar PH-II	Berhampur	Berhampur
44	-do-	Chhatrapur		Chhatrapur	Chhatrapur
45	-do-	Bhanjanagar		Bhanjanagar	Bhanjanagar
46	KANDHAMAL	Phulbani		Kandhamal	Kandhamal
47	GAJAPATI	Paralakhemundi		Paralakhemundi	Paralakhemundi
48	KORAPUT	Jeypore		Jeypore	Jeypore
49	-do-	Sunabeda		Koraput	Pattangi
50	-do-		Kaki (Sunabeda)	Koraput	Pattangi
51	RAYAGADA		Muniguda	Rayagada	Bisam Katak
52	SUNDARGARH	Rourkela		Rourkela	Panposh
53	-do-	Comml.Estate		Rourkela	Panposh
54	-do-	Kalunga		Panposh	Panposh
55	-do-		Mandiakudar	Panposh	Rajgangpur
56	-do-	Rajgangpur		Sundargarh	Rajgangpur
57	-do-	Sundargarh		Sundargarh	Sundargarh
58	SAMBALPUR	Sambalpur		Sambalpur	Sambalpur
59	-do-		Rengali	Sambalpur	Sambalpur
60	JHARSUGUDA	Jharsuguda		Jharsuguda	Jharsuguda
61	ANGUL	Angul		Angul	Angul
62	-do-	Talcher		Talcher	Talcher
63	-do-		Kangula	Angul	Angul
64	DHENKANAL	Mahisapat		Dhenkanal	Dhenkanal
65	-do-		Gundichapara	Dhenkanal	Dhenkanal

(1)	(2)	(3)	(4)	(5)	(6)
66	DHENKANAL	Korian		Dhenkanal	Dhenkanal
67	-do-	Bhuban		Kamakhyanagar	Bhuban
68	-do-	Kamakhyanagar		Kamakhyanagar	Dhenkanal
69	BOLANGIR	Bolangir (Zone-A)		Bolangir	Bolangir
70	-do-		Bolangir (Zone-B)	Bolangir	Bolangir
71	-do-	Kantabanjhi		Titilagarh	Kantabanjhi
72	-do-	Titilagarh		Titilagarh	Titilagarh
73	-do-		Patnagarh	Patnagarh	Patnagarh
74	BARAGARH	Baragarh		Baragarh	Baragarh
75	KALAHANDI	Kesinga		Bhawanipatna	Kesinga
76	-do-		Kesinga (Kurlupada)	Bhawanipatna	Bhawanipatna
77	-do-		Dakabahali	Bhawanipatna	Bhawanipatna
78	NUWAPADA		Khariar Road	Nuapada	Nuapada

By order of the Governor

D. P. RAY

Additional Secretary to Government

NOTIFICATION OF REGISTRATION

Holder

**Balasore Alloys Limited
Balgopalpur Industrial Area
Balasore 756020
INDIA**

Product

Ferro-Chromium, Ferro-Chromium-Silicon and Chromium

Type, Model

HC FERRO CHROME

Standard(s)

DIN 17565:2004-02

Mark of conformity



**Registration No./
Company Code**

RD069

Valid until

unlimited

Right of use

This notification of registration entitles the holder to use the conformity mark in conjunction with the registration number in accordance with the General Terms and Conditions of DIN CERTCO and the Rules on Use of Collective Mark.

The right of use for the conformity mark expires upon withdrawal or the reformulation of the standard in due consideration of the therein specified transition period.

This notification of registration is based on the declaration of the holder, on its own responsibility, regarding the conformity of the product with the above standard.

2015-08-12

Dipl.-Phys. Carlo Seiser

A handwritten signature in blue ink, appearing to read "C. Seiser".



THE FIRST SCHEDULE

मानक चिन्ह STANDARD MARK (1)	वस्तु/प्रसंस्करण ARTICLE/PROCESS (2)	भारतीय मानक INDIAN STANDARD(S) (3)
IS 1170  L-5200025070	फेरोक्रोमियम उच्च कार्बन फेरोक्रोमियम ग्रेड डेजिगनेसन - 7 Fe Cr 65 ग्रेड - 1, Si-4 to 6% डेजिगनेसन :2 Ferrochromium High Carbon Ferrochromium Grade Designation-7 Fe Cr 65 Grade-1, Si-4 to 6% Designation : 2	आईएस 1170 : 1992 फेरोक्रोमियम - विशिष्ट IS 1170 : 1992 Specification for Ferrochromium



JIS マーク表示制度 認証書

認証番号 : JQIN16001

認証取得者 : Balasore Alloys Limited

Balgopalpur, Balasore, Odisha, INDIA

当機構は、上記認証取得者に係る以下の鋳工業品が日本工業規格及び主務省令で定める基準に適合したことを認証いたします。

鋳工業品の名称 : フェロアロイ

認証の区分 : フェロアロイ

日本工業規格の番号及び名称 : JIS G 2303 フェロクロム

規格の種類又は等級（認証の範囲） : 高炭素フェロクロム4号 及び 5号

製造工場の名称及び所在地 : Balasore Alloys Limited
Balgopalpur, Rasalpur, Balasore, INDIA

認証に係る法の根拠条項 : 工業標準化法 第23条第1項

認証契約締結日 : 2016年10月12日

有効期限 : 2019年10月11日

上記有効期限を更新するための : 2019年10月11日

定期認証維持審査申込期限

東京都千代田区神田須田町1-25

一般財団法人 日本品質保証機構

理事長 小林 憲明



भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

मानक चिन्ह लगाने की अनुज्ञप्ति

Licence for the use of STANDARD MARK

अनुज्ञप्ति (लाइसेंस) सं. सीएम/एल 5200025070

LICENCE NO. CM/L - 5200025070

यह ब्यूरो, भारतीय मानक ब्यूरो अधिनियम, 1986 (1986 का 63) द्वारा प्रदत्त शक्तियों के आधार पर

मेसर्स बालाश्वर आलएज लिमिटेड

बालगोपालपुर

बालाश्वर-756020 (ओडिशा)

को (जिसे इसमें आगे अनुज्ञप्तिधारी कहा गया है) इसकी प्रथम अनुसूची के पहले कालम में दिखाए गए मानक चिन्ह का उपयोग करने को अनुज्ञप्ति (लाइसेंस) प्रदान करती है। इस मानक चिन्ह का उपयोग ऐसी वस्तु पर/प्रसंस्करण के संबंध में किया जाएगा जिसका उल्लेख इसकी उक्त अनुसूची के दूसरे कॉलम में किया गया है। यह वस्तु/प्रसंस्करण उक्त अनुसूची के तीसरे कालम में उल्लिखित संबंधित भारतीय मानक के अनुसार विनिर्मित होगी/के अनुरूप होगा।

1. By virtue of the power conferred on it by the BUREAU OF INDIAN STANDARDS ACT, 1986(63 of 1986) the BUREAU hereby grants to

M/S BALASORE ALLOYS LIMITED
AT-BALGOPALPUR
BALASORE-756020(ODISHA)

(hereinafter called 'the licensee') this licence to use the Standard Mark set out in the first column of the First Schedule hereto, upon or in respect of the article/process set out in the second column of the said Schedule which is manufactured in accordance with/conforms to the related Indian Standard(s) referred to in the third column of the said Schedule as from time to time amended or revised.



JIS Mark Scheme
Certificate of Compliance

Licensee : Balasore Alloys Limited

Address : Balgopalpur, Balasore, Odisha, INDIA

Certification Number : JQIN16001

This is to certify that the following product which the above licensee applied for has been complied with the requirements specified in Japanese Industrial Standards (JIS) and relevant Ordinance of JIS Mark Scheme.

Designation of Industrial and Mineral Products for Certification : Ferro-alloys

Division of Certification : Ferro-alloys

JIS Number and name concerning Certification : JIS G 2303 Ferrochromium

Type or Grade specified in JIS / Range of Certification : High carbon ferrochromium No.4 and No.5

**Factory or Business establishments concerning Certification :
Designation : Balasore Alloys Limited**

Address : Balgopalpur, Rasalpur, Balasore, INDIA

**Basis Provision of the Relevant Law concerning Certification :
Clause 1 of Article 23 of the Industrial Standardization Law**

Date of the Certification Agreement : October 12, 2016

Date of Expiry : October 11, 2019

Application Deadline for Periodic Certification Maintenance : October 11, 2019

Surveillance for Renewal of Above Date of Expiry

**NORIAKI KOBAYASHI
President**

**JAPAN QUALITY ASSURANCE ORGANIZATION
1-25, Kandasudacho, Chiyoda-ku, Tokyo, Japan**

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

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2. इस अनुज्ञप्ति (लाइसेंस) के साथ ये अधिकार और बाध्यताएं हैं जिनका अनुबंध उक्त अधिनियम के आधीन बनाए गए विनियमों में हैं। अनुज्ञप्तिधारी अपनी बाध्यताओं का अनुसरण करते हुए, इसकी दूसरी अनुसूची में उल्लिखित चिन्ह लगाने की नित फीस सम्यक् रीति से और नीयत समय पर देगा तथा परीक्षण और निरीक्षण की उस स्कीम को, जिसकी प्रति संलग्न है, ब्यूरो की संतुष्टि के अनुरूप चलाएगा।

2. This licence carries the rights and obligations stipulated in the Regulations made under the above mentioned Act. In pursuance of this obligation, the licensee shall pay in due manner and time the scheduled Marking Fee set out in the, Second Schedule hereto and maintain to the satisfaction of the BUREAU the Scheme of Testing and Inspection a copy of which is attached hereto.

3. यह अनुज्ञप्ति 19 अक्टूबर 2015 से 18 अक्टूबर 2016 तक विधिमान्य

रहेगी और विनियमों में विहित रूप में इसका नवीकरण हो सकेगा।

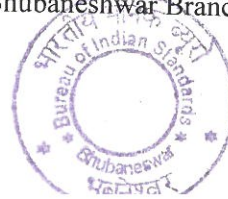
3. This licence shall be valid from NINETEENTH OCTOBER, TWO THOUSAND FIFTEEN to EIGHTEENTH OCTOBER, TWO THOUSAND SIXTEEN and may be renewed as prescribed in the Regulations.

आज 21 दिसंबर के दसवें मास के एकुस दिन
हस्ताक्षरित तथा मुद्रांकित।

Signed, Sealed and Dated this 21st day of December TWO THOUSAND FIFTEEN.

भारतीय मानक ब्यूरो की ओर से
For BUREAU OF INDIAN STANDARDS

प्रमुख(भुवनेश्वर शाखा कार्यालय)
SC-E & HEAD
Head (Bhubaneswar Branch Office)



BY SPEED POST

No. J-11015/139/2012-IA.II (M)
Government of India
Ministry of Environment, Forests & Climate Change
Impact Assessment Division

3rd Floor, Vayu Wing,
Indira Paryavaran Bhawan,
Jorbagh Road, Aliganj,
New Delhi-110 003

Dated: 22nd August, 2014

To,

M/s Balsore alloys Limited
Kaliapani Chromite Mine
At/P.O. Kaliapani-755047

Subject: Underground Chromite Mine of M/s Balasore Alloys Ltd., Village Kaliapani, Tehsil Sukinda, District Jajpur, Orissa (64.463 ha) (expansion from 0.42 MTPA to 0.6 MTPA and change in technology from opencast to opencast and underground)- Environmental clearance regarding.

Sir,

This has reference to your letter No. Nil dated 04.05.2012 on the subject mentioned above and subsequent letters dated 01.10.2013 and 15.10.2013. The terms of reference to the proposal for undertaking detailed EIA study were prescribed on 11.10.2012. The proponent submitted the EIA/EMP and public hearing documents which was considered by Expert Appraisal Committee in its meeting held during 31st October & 1st November, 2013 and re-considered during March 20-21, 2014. The Committee recommended the proposal for grant of environmental clearance.

2. The proposal is for existing Kaliapani Chromite Mine (ML Area – 64.463 Ha.)at Village Kaliapani, Tehsil : Sukinda, District : Jajpur (Odisha). The Latitude & Longitude of the site is 21°00'07"-21°02'46"N and 85°44'12" - 85°47'22" E. The compliance report of the EC conditions stipulated by MoEF, New Delhi vide letter no. J -11015/341/2006-IA.II (M) dated 3rd July, 2007 were discussed. It was noted that the conditions stipulated in earlier EC were by and large complied and no specific condition is required in this regard.

3. The total mine lease area is 64.463 ha is Government Land. Modified Mining Scheme is approved by IBM vide letter no. 314(3)/2012-MCCM (CZ)/MS -11 dated 17.12.2012 under rule 10 of MCDR 1988. This is a proposal for expansion in production capacity from 0.42 MTPA & 0.6 MTPA and Change in Technology from Opencast to Opencast & Underground including mining of blocked pillars in open pit mines by Drift & Fill mining method. The Opencast process will be done by mechanized method involving drilling & blasting, loading and transportation of the excavated material. Wet drilling is performed by 100 mm dia DTH drills associated with compatible size compressors. Non cap sensitive slurry of 83mm dia cartridge like Aqua

dyne, as column charge and for secondary blasting Aqua dyne – 25 explosive cartridge of 25 mm dia will be adopted.

4. The total mineable reserves are 26.89 Million Tonnes. The anticipated life of mine is approximately 45 years. It was reported by the PP that the total waste generation at the end of the life of the mine will be 4.08 million cum. At the conceptual stage, about 32.34 ha area will be covered under waste dump. The same will be stabilized by plantation.

5. Total fresh water requirement for the project is 347.2 KLD, out of which 220 KLD is required for beneficiation Plant, 115 KLD for mining operations & Green belt and 12.2 KLD for Domestic/drinking purpose. The requirement is being met from mine discharge water & borewell. Necessary Clearance from CGWA, Ministry of Water Resource, Govt Of India for withdrawal of 53 KLD of water from bore well and 294.2 KLD of Mine Dewater with a total amount not exceeding 347.2 KLD has been obtained vide letter No. 21-4(44)/SER/CGWA/2008-1845 Dated 11.10.2013. It was reported by the PP that during Underground mining, ground water table shall be intersected. NOC for the same shall be obtained from CGWA.

6. It was reported by PP that there is no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Wildlife corridors, Tiger/Elephant Reserves (existing or proposed) etc. within the study area (10 km radius of the mining lease boundary). There are two protected Forests and three Reserved Forests exist within 10 km radius of the mining lease boundary. Authenticated list of flora and fauna was submitted. The nine Schedule-I species are reported from the study area. Species Specific Conservation plan for the schedule-I species i.e. Leopard, *Panthera pardus*; Elephant, *Elephas maximus*; Sloth bear, *Melursus ursinus*; Ratel, *Mellivora capensis*; Indian pangolin, *Manis crassicaudata*; Peafowl, *Pavo cristatus*; Indian rock python, *Python molurus*; Monitor lizards, Bengal & Yellow monitor was submitted. The plan has been forwarded by Divisional Forest Officer, Cuttack forest division.

7. Baseline data for Site-specific Micro-meteorological data, ambient air quality (PM₁₀, SO₂ and NO₂), water quality, noise level, soil and flora and fauna was collected during Post Monsoon Season 2012 (Oct to Dec-2012). Results are found within permissible limits. The Public Hearing for the Project was conducted at Kaliapani Village on 04.04.2013. The Public Hearing was chaired by Mr. Chakrayudha Hota, Additional District Magistrate as per EIA Notification, 2006. Major issues raised during public hearing were related to treatment of Mine Drainage Water, Air pollution and control measures, ground water depletion in mining lease area, provision of check dams for irrigation of agricultural land, deforestation and peripheral development (education, health service, drinking water supply and Employment). Total cost of the project is Rs. 599.0 Crores. Capital cost for Environment Protection Measures has been earmarked Rs. 82.5 Crores along with annual recurring cost Rs. 75.7 Lakh/year.

8. The Ministry of Environment and Forests has examined the application in accordance with the EIA Notification, 2006 and hereby accords environmental clearance under the provisions thereof to the above mentioned proposal of Underground Chromite Mine of M/s Balasore Alloys Ltd. for enhancement of production from 0.42 MTPA to 0.6 MTPA (ROM) and change in technology from opencast to opencast and underground in the mine lease area of 64.463 ha located at Village Kaliapani, Tehsil Sukinda, District Jajpur, Orissa subject to implementation of the following conditions and environmental safeguards.

A. Specific Conditions

- (i) Mining shall not commence without necessary permissions for drawl of water and intersection of ground water table.
- (ii) Mitigation measures such as well-designed ventilation network within underground mine, provision of Personal Protective Equipment should be ensured and necessary training and awareness programs for mine workers should be undertaken.
- (iii) Continuous monitoring of Mine water should be done and reports furnished.
- (iv) Continuous monitoring of all drinking water sources for Cr(VI) of Mine water should be done and reports furnished.
- (v) Morbidity pattern which is a sensitive indicator of ill health with regard to Cr related diseases need to be done.
- (vi) Mine water discharge and/or any waste water shall be properly treated in an ETP/s for the removal of hexavalent chromium and to meet the prescribed standards before reuse/discharge. The run off from OB dumps and other surface run off shall be analyzed for hexavalent chrome and in case its concentration is found higher than the permissible limit, the waste water should be treated before discharge/reuse.
- (vii) The project proponent shall obtain Consent to Establish and Consent to Operate from the State Pollution Control Board, Odisha and effectively implement all the conditions stipulated therein.
- (viii) Traffic density on the route of mineral transportation shall be regularly monitored and report shall be submitted along with compliance report.
- (ix) As part of ambient air quality monitoring during operational phase of the project, the air samples shall also be analysed for their mineralogical composition and records maintained.
- (x) Mineral handling plant shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
- (xi) Effective safeguard measures such as conditioning of ore with water, regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around crushing and screening plant, loading and unloading point and transfer points. It should be ensured that the Ambient Air Quality

parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

- (xii) The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.
- (xiii) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and installing new piezo meters during the mining operation. The periodic monitoring [(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office Bhubaneswar, the Central Ground Water Authority and the Regional Director, Central Ground Water Board. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
- (xiv) The project proponent shall regularly monitor the flow rate of the natural water streams flowing adjacent to the mine lease and maintain the records.
- (xv) The reclaimed and rehabilitated area shall be afforested. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhubaneswar on six monthly basis.
- (xvi) Dimension of the retaining wall at the toe of temporary over burden dumps and OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
- (xvii) Plantation shall be raised in an area of 36.156 Ha. including a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around the higher benches of excavated void to be converted in to water body, roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per Ha.
- (xviii) Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- (xix) Process water discharge and/or any waste water shall be properly treated to meet the prescribed standards before reuse/discharge. The runoff from temporary OB dumps and other surface run off shall be analyzed for iron and in case its concentration is found higher than the permissible limit, the waste water should be treated before discharge/reuse.

- (xx) The decanted water from the beneficiation plant and slime/tailing pond shall be re-circulated within the mine and there shall be zero discharge from the mine.
- (xxi) Regular monitoring of the flow rate of the springs and perennial nallahs shall be carried out and records maintained.
- (xxii) Regular monitoring of water quality, upstream and downstream of natural water bodies shall be carried out and record of monitoring data should be maintained and submitted to Ministry of Environment and Forests, its Regional Office, Bhubaneswar, Central Groundwater Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.
- (xxiii) Suitable rainwater harvesting measures on long term basis shall be planned and implemented in consultation with Regional Director, Central Ground Water Board.
- (xxiv) Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral from mine face to the beneficiation plant. The vehicles shall be covered with a tarpaulin and shall not be overloaded.
- (xxv) Sewage treatment plant shall be installed for the colony. ETP shall also be provided for workshop and wastewater generated during mining operation.
- (xxvi) Digital processing of the entire lease area using remote sensing technique shall be carried out regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its Regional Office, Bhubaneswar.
- (xxvii) Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
- (xxviii) The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to the project site shall be effectively implemented. A copy of action plan shall be submitted to the Ministry of Environment and Forests and its Regional Office, Bhubaneswar.
- (xxix) A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.
- (xxx) The project proponent shall undertake all the commitments made during the public hearing and effectively address the concerns raised by the locals in the public hearing as well as during consideration of the project, while implementing the project.

B. General Conditions

- (i) No change in Iron Ore Processing/Beneficiation technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.
- (ii) No change in the calendar plan including Processing/Beneficiation of mineral iron ore and waste should be made.
- (iii) At least four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10 micron i.e., PM₁₀) and NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The data so recorded should be regularly submitted to the Ministry including its Regional office located at Bhubaneswar and the State Pollution Control Board / Central Pollution Control Board once in six months.
- (iv) Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
- (v) There will be zero waste water discharge from the plant.
- (vi) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- (vii) Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- (viii) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- (ix) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bhubaneswar.
- (x) The project authorities should inform to the Regional Office located at Bhubaneswar regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (xi) The Regional Office of this Ministry located at Bhubaneswar shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- (xii) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions

including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bhubaneswar, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental 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 Ministry of Environment and Forests, Bhubaneswar, the respective Zonal Officer of Central Pollution Control Board and the State Pollution Control Board.

- (xiii) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ 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 website of the Company by the proponent.
- (xiv) The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.
- (xv) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Office of the Ministry of Environment and Forests, Bhubaneswar by e-mail.
- (xvi) The project authorities should advertise at least in two local newspapers of the District or State in which the project is located and widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhubaneswar.

9. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

10. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

11. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention &

Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Odhisa and any other Court of Law relating to the subject matter.

12. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

(Dr. V.P. Upadhyay)
Director

Copy to:

- (i) The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi.
- (ii) The Secretary, Department of Environment, Government of Odhisa, Secretariat, Bhubaneswar.
- (iii) The Secretary, Department of Mines and Geology, Government of Odhisha, Secretariat, Bhubaneswar.
- (iv) The Secretary, Department of Forests, Government of Odhisha, Secretariat, Bhubaneswar.
- (v) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
- (vi) The Additional Principal Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests, A-3 Chandrashekharapur, Bhubaneswar-751023.
- (vii) The Chairman, Odhisa State Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
- (viii) The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
- (ix) The Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- (x) The District Collector, Jajpur District, Government of Odhisa.
- (xi) Record File.
- (xii) MoEF Website

(Dr. V.P. Upadhyay)
Director

BY SPEED POST

No. J-11015/139/2012-IA.II (M)
Government of India
Ministry of Environment, Forests & Climate Change
Impact Assessment Division

3rd Floor, Vayu Wing,
Indira Paryavaran Bhawan,
Jorbagh Road, Aliganj,
New Delhi-110 003
Tele: 011-24695304

E-mail: vp.upadhyay@nic.in

Dated: 15th December, 2014

To
M/s Balsore Alloys Limited,
Kaliapani Chromite Mine,
At/ P.O. Kaliapani-755047

Fax: 06726-268520

E-mail: sukinda_mines@balasorealloys.com

CORRIGENDUM

Subject: Underground Chromite Mine of M/s Balasore Alloys Ltd., Village Kaliapani, Tehsil Sukinda, District Jajpur, Orissa (64.463 ha) (expansion from 0.42 MTPA to 0.6 MTPA and change in technology from opencast to opencast and underground)- Environmental clearance regarding.

Sir,

This is in continuation of MoEF letter even no. dated 22nd August, 2014 granting Environmental Clearance to above mentioned project.

2. A typographical error occurred inadvertently in General condition No. (i) & (ii) of EC letter at page 6. The words in General condition 'Iron ore' & 'Iron ore and waste' need to be rectified as 'Chrome Ore' and 'Chrome Ore and waste'.

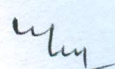
3. Hence, the General condition No. (i) & (ii) of EC letter at page 6 are now substituted as follows:

B General Condition

- (i) No change in Chrome ore Processing/Beneficiation technology and scope of working should be made without prior approval of the Ministry of Environment, Forests and Climate Change.
- (ii) No change in the calendar plan including Processing/Beneficiation of mineral Chrome ore and waste should be made.

4. All other terms and conditions mentioned in this Ministry's letter of even no. dated 22.08.2014 shall remain the same.

5. This issues with the approval of the Competent Authority.


(Dr. V.P. Upadhyay)
Scientist 'F'

Copy to:

- (i) The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi.
- (ii) The Secretary, Department of Environment, Government of Odhisa, Secretariat, Bhubaneswar.
- (iii) The Secretary, Department of Mines and Geology, Government of Odhisha, Secretariat, Bhubaneswar.
- (iv) The Secretary, Department of Forests, Government of Odhisha, Secretariat, Bhubaneswar.
- (v) The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
- (vi) The Additional Principal Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests, A-3 Chandrashekharapur, Bhubaneshwar-751023.
- (vii) The Chairman, Odhisa State Pollution Control Board, Parivesh Bhawan, A/118 Nilakantha Nagar, Unit-VIII, Bhubaneshwar-751012.
- (viii) The Controller General, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur-440 001.
- (ix) The Member Secretary, Central Ground Water Authority, A2, W3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- (x) The District Collector, Jajpur District, Government of Odhisa.
- (xi) Record File.
- (xii) MoEF Website

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(Dr. V.P. Upadhyay)
Scientist 'F'

M/s Balasore Alloys Ltd

C-1, First Floor, Fortune Tower, Bhubaneswar-751023

Annexure-2.3.II

Raw Materials Consumption Details

Sl. No.	Raw Materials	Existing Plant		Expanded Plant		Source
		Sp. Consumption /ton of product	Total requirement @ 145000 TPA of Ferro Alloys	Sp. Consumption /ton of product	Total requirement @ 160000 TPA of Ferro Alloys	
1.	Chrome Ore	2.500	362500	2.239	358240	Captive Mine
2.	Quartzite	0.325	47125	0.289	46240	Locally
3.	Dolomite	0.225	32625	0.200	32000	Locally
4.	Magnesite	0.035	5075	0.031	4960	Locally
5.	Low Ash Metallurgical Coke	0.590	85550	0.525	84000	Import
6.	Electrode Paste	0.018	2610	0.015	2400	Indigenous

For BALASORE ALLOYS LTD.

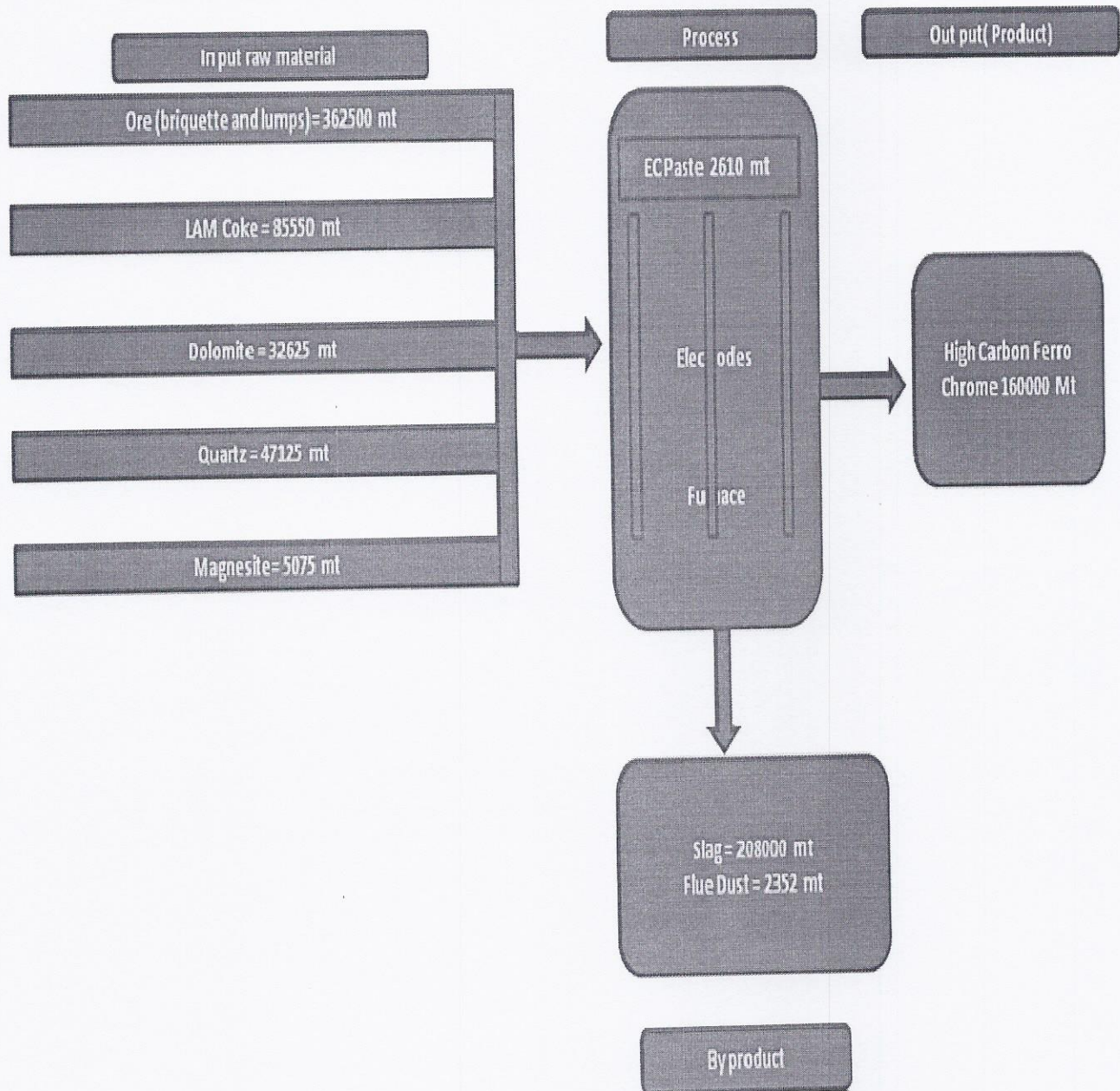

Dr. Swarup Panda
Sr. Vice President
Head-Corporate Affairs

M/s Balasore Alloys Ltd

C-1, First Floor, Fortune Tower, Bhubaneswar-751023

Annexure 2.3.III

Mass Balance



For BALASORE ALLOYS LTD.


Dr. Swarup Panda
Sr. Vice President
Head-Corporate Affairs

M/s Balasore Alloys Ltd

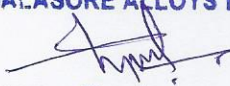
C-1, First Floor, Fortune Tower, Bhubaneswar-751023

Annexure 2.3.IV

Details of Specific Consumption of Raw Materials

Sl. No.	Raw Materials	Existing Plant	Expanded Plant	Change
		Sp. Consumption /ton of product	Sp. Consumption /ton of product	
1.	Chrome Ore	2.500	2.239	- 0.261
2.	Quartzite	0.325	0.289	-0.036
3.	Dolomite	0.225	0.200	-0.025
4.	Magnesite	0.035	0.031	-0.004
5.	LAM Coke	0.590	0.525	-0.065
6.	Electrode Paste	0.018	0.015	-0.003

For BALASORE ALLOYS LTD.


Dr. Swarup Panda
Sr. Vice President
Head-Corporate Affairs

M/s Balasore Alloys Ltd

C-1, First Floor, Fortune Tower, Bhubaneswar-751023

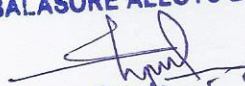
Annexure 2.3.V

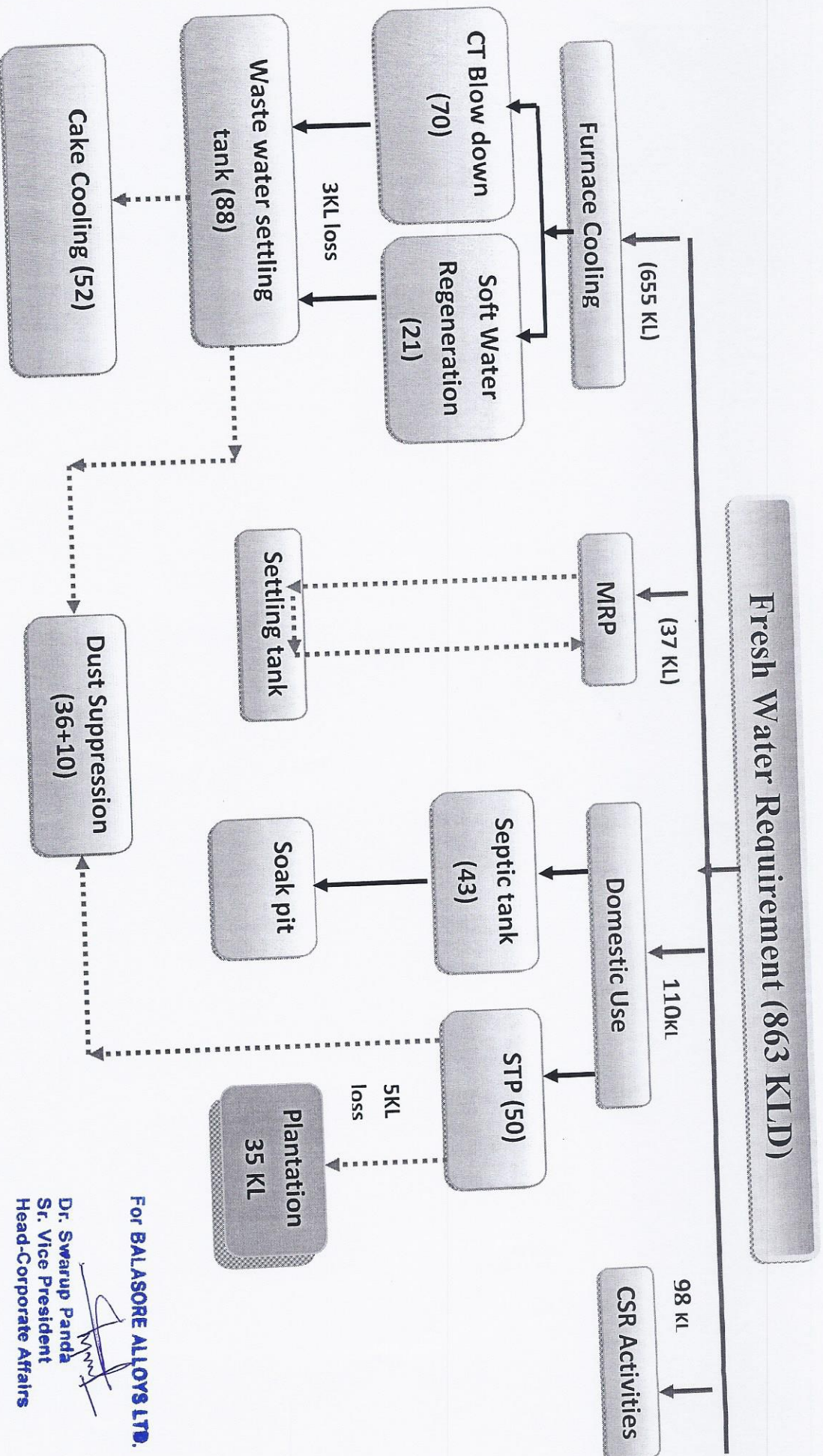
Details of Fresh Water Consumption

Sl. No.	Particulars	Existing Quantity in KLD	Proposed Quantity in KLD	Source
Plant				
1.	Process	--		
2.	Cooling (make Up)	655	655	Ground Water
3.	Metal Recovery Plant (make up)	37		Ground Water
4.	Domestic(Office + Township)	110	110	Ground Water
5.	Supply of water to nearby villages under CSR	98	98	Ground Water
Reuse of Waste Water				
6.	Hot Metal Cooling	52	52	Waste water reuse
7.	Dust Suppression	46	46	Waste water reuse
8.	Green Belt	35	35	Waste water reuse
9	Metal Recovery Plant(make-up)	...	37	
Total		900	863	

Note: Water requirement will be same at each process of operation, but 37 KLD of water will be reused at MRP, hence total water requirement after commncemnt of proposal will be 863 KLD.

For BALASORE ALLOYS LTD.


Dr. Swarup Panda
Sr. Vice President
Head-Corporate Affairs



For BALASORE ALLOYS LTD.

Dr. Swarup Panda
Sr. Vice President
Head-Corporate Affairs

M/s Balasore Alloys Ltd

C-1, First Floor, Fortune Tower, Bhubaneswar-751023

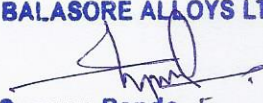
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Annexure 2.3.VII

Waste Water Generation

Sl. No.	Particulars	Quantity in KLD	Reuse	Loss
1.	Process	--	--	--
2.	Cooling	91	88	3
4.	Domestic	90	82	8
Total		181	170	11

For BALASORE ALLOYS LTD.


Dr. Swarup Panda
Sr. Vice President
Head-Corporate Affairs

M/s Balasore Alloys Ltd

C-1, First Floor, Fortune Tower, Bhubaneswar-751023

(Annexure 2.3.VIII)

Solid Waste Generation

Sl. No.	Type of Waste	Quantity	Source of generation	Nature of Disposal
1.	Slag	208000 Ton/ year	Smelting process in the plant	Metal is recovered from the Metal Recovery Plant and then disposed over an earmarked area in the plant premises.
2.	Flue Dust	2352 Ton/ year	Smelting Process in the plant	Mixed with Chrome ore Fines and briquetted
3.	Domestic Waste	7.2 Ton/ year	Garbage/ food waste from workers canteen & guest house	Garbage-Recycled Food Waste- Compost

For BALASORE ALLOYS LTD.


Dr. Swarup Panda
Sr. Vice President
Head-Corporate Affairs

M/s Balasore Alloys Ltd

C-1, First Floor, Fortune Tower, Bhubaneswar-751023

(Annexure: 2.4.I)

Existing & Proposed Land Utilization Plan

Sl.No.	Description	Existing (Area in Acres)	Proposed (Area in acres)
1.	Main Plant with all auxiliaries	23.92	Same as Existing
2.	Raw material storage and product storage	10	
3.	Administrative building	0.19	
4.	Road	2.0	
5.	Guest House	0.89	
6.	Colony	8.15	
7.	Green Belt	6.08	
Total Area		51.23	51.23

For BALASORE ALLOYS LTD.


Dr. Swarup Panda
Sr. Vice President
Head-Corporate Affairs

M/s Balasore Alloys Ltd

C-1, First Floor, Fortune Tower, Bhubaneswar-751023

Annexure-3

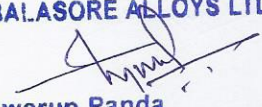
Justification for Increase in Production

Due to several factors viz effective furnace operation, consistency in feed raw material quality, monitoring of process parameters, preventive maintenance, zero breakdown & automation of furnace operation adopting various efficiency measures like Six Sigma & TPM, the production of ferrochrome shall increase without any change in the existing facility and extra pollution load. The detail of calculation for increase in production is given below table.

Details	Unit	Present Production	Proposed Production
Installed Capacity	MVA	84	84
Power Factor		0.82	0.87
Load factor		0.90	0.92
Estimated Power available	MW	61.992	67.234
Operating Load Factor		0.95	0.96
Power Consumption Per day	MWH	$61.992 \times 24 \times 0.95 = 1413.418$	$67.234 \times 24 \times 0.96 = 1549.071$
Specific Power	MWH	3.47	3.45
Production/ day, (Power Consumption / Specific Power)	MT	$1413.418 / 3.47 = 407.325$	$1549.071 / 3.45 = 449.006$
Production per annum, MT	MT	$407.325 \times 365 = 148673.625$	$449.006 \times 365 = 163887.19$

Note : Based on calculation it is estimated that the production of ferrochrome shall be around 1,63,887 TPA, hence we have applied for amendment of EC for the quantity of 1,60,000 TPA

For BALASORE ALLOYS LTD.


Dr. Swarup Panda
Sr. Vice President
Head-Corporate Affairs

F. No. J-11011/245/2008- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

E-mail : pb.rastogi@nic.in
Telefax : 011: 2436 7668

Dated 25th August, 2008

To, ✓
M/s. Balasore Alloys Limited
Balgopalpur Industrial Estate,
Balasore, Orissa

E-mail : mail@balasorealloys.com ; Fax No. :06782-275724

Subject : Expansion of Ferro Alloy Plant (95,000 TPA to 1,45,000 TPA) at Balgopalpur Industrial Estate, Balasore, Orissa by M/s. Balasore Alloys Limited – Environment clearance reg.

Ref. : Your letter no. BAL/MoEF/18MVA/1860 dated 6th March, 2008.

Sir,

This has reference to your letter no. BAL/MoEF/18MVA/1860 dated 6th March, 2008 alongwith application in Form I, draft Terms of Reference and EIA/EMP and subsequent clarifications furnished by you vide your letter dated 6th March, 2008, 17th April, 2008, 28th June, 2008 and 3rd July, 2008 for environmental clearance on the above mentioned project.

2.0 The Ministry of Environment and Forests has examined the application. It is noted that proposal of M/s Balasore Alloys Limited has proposed to expand its existing Ferro Alloy Plant at Balgopalpur Industrial Estate, Balasore, Orissa. The total land allotted by Orissa Industrial Infrastructure Development Corporation (IDCO) is 45.205 acres and proposed expansion will be within the existing plant premises. No national parks/wild life sanctuary/reserve forest is located within 10 km radius. Total cost of the project will be Rs. 90.00 Crores. Proposed expansion involves the upgradation of existing furnaces to 18 MVA as per details given below:

Furnace No.	Existing capacity	Capacity after expansion
I	12 MVA	18 MVA
II	15 MVA	15 MVA
III	15 MVA	15 MVA
IV	7.5 MVA	18 MVA
V	7.5 MVA	18 MVA
Total MVA	57 MVA	84 MVA
Total Production	95,000 TPA	1,45,000 TPA

Following will be manufactured :

S. N.	Products	Existing capacity	Proposed capacity	Total capacity after expansion
1.	Ferro Chrome	95,000 TPA	50,000 TPA	1,45,000TPA
2.	Silico Managanese	95,000 TPA	50,000 TPA	1,45,000TPA
3.	Ferro Manganese	95,000 TPA	50,000 TPA	1,45,000TPA

2.0 Bag filters will be provided to the furnaces to control emissions less than 100 mg/Nm³. Dust suppression system involving water sprinkling will be adopted to control fugitive emissions. Total ground water requirement will be 355 KLD. Water will be recycled in a closed circuit. No process effluent will be generated. Metal will be recovered from the slag in metal recovery plant and slag falling will be properly disposed off. Fume dust will be fed into briquette plant for reuse.

3.0 No public hearing/ consultation is required due to project being located in notified notified Balgopalpur Industrial Estate, Balasore, Orissa as per Section (iii), Stage (3), Para (i)(b) of EIA Notification, 2006.

4.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September, 2006 subject to strict compliance of the following specific and general conditions:

A. SPECIFIC CONDITIONS:

- i) Continuous monitoring facilities for all the stacks and sufficient air pollution control equipments viz. fume extraction system with bag filters, 1 D fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 100 mg/Nm³. The Orissa Pollution Control Board 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 emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
- ii) Fume extraction system with bag filters shall be provided to control the gaseous emissions from submerged arc furnace and shall be discharged into the atmosphere through stacks of adequate height as per CPCB guidelines. The outlet dust emission shall not exceed 100 mg/Nm³. Dust suppression system like water spraying shall be provided at unloading and raw material handling areas to control fugitive dust emissions to meet the OPCB norms. Water spraying shall also be done to prevent the dust emanation due to vehicular movement.
- iii) Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB shall be followed.

- iv) 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.
- v) Total ground water requirement shall not exceed 355 m³/day. Closed circuit cooling system shall be adopted to reduce water consumption. Cooling under blow down shall be treated and all the treated wastewater shall be used for dust suppression, green belt development and other plant related activities within the plant premises. No wastewater shall be discharged outside the factory premises and 'Zero' discharge shall be adopted.
- vi) Prior permission for the drawl of 355 m³/day ground water from the Central State Ground Water Board / Ground Water Authority (SGWB/CGWA) shall be obtained.
- vii) Proper handling, storage, utilization and disposal of all the solid 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 at Bhubaneswar, OPCB and CPCB.
- viii) Chromate slag shall be used for road making only after passing through Toxic Chemical Leachability Potential (TCLP) test. Otherwise, Ferro chrome shall be recovered from the slag and output waste shall be disposed in secured landfill as per CPCB guidelines.
- ix) Product fines, fume dust shall not be dumped anywhere else but reused in the process. SAF slag shall not be dumped but reused as per the alternate action plan submitted. Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silico Manganese (Si-Mn). Dust from bag filters shall be collected in silo by pneumatic conveying and reused for briquetting and shall be charged to furnaces clay with the raw material. All the other solid waste shall be properly disposed off in environment-friendly manner. No hazardous materials shall be spilled out and good house keeping practices shall be adopted. Used oil shall be sold to recyclers / reprocessors.
- x) As proposed, green belt shall be developed in 33 % area within and around the plant premises as per the CPCB guidelines in consultation with DFO.
- xi) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro Chrome Units shall be strictly implemented.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OPCB) and the State Government.
- ii. No further expansion or modifications in the plant should be carried out without prior approval of the Ministry of Environment and Forests.
- iii. At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM,

SO₂ and NO_x are anticipated in consultation with the OPCB. Data on ambient air quality and stack emissions should be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the OPCB / CPCB once in six months.

- iv. In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fume and dust extraction system with bag filters shall be provided at the transfer and discharge points to control fugitive emissions. Further, specific measures like water sprinkling around the raw material storage areas and asphaltting or concreting of the roads shall be done to control fugitive emissions.
- v. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- vi. 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.
- vii. The overall noise levels in and around the plant area shall be kept well within the standards (85 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 (daytime) and 70 dBA (nighttime).
- viii. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- ix. 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.
- x. As proposed, Rs. 3.00 Crores and Rs. 5.0 Lakhs/annum earmarked towards capital cost and recurring cost/annum for the environment pollution control measures shall be judiciously utilized 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 purpose.
- xi. The Regional Office of this Ministry at Bhubaneswar / CPCB / OPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
- xii. 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 OPCB and may also be seen at Website of the Ministry of Environment and Forests 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 shall be forwarded to the Regional office at Bhubaneswar.

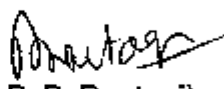
- xiii. Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

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

6.0. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner will implement these conditions.

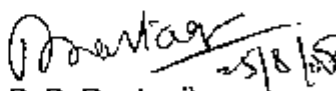
7.0. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

8.0 The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(Dr. P. B. Rastogi)
Director

Copy to:-

1. The Secretary, Department of Environment, Govt. of Orissa, Bhubaneswar, Orissa.
2. Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
3. Chairman, Orissa Pollution Control Board, Parivesh Bhavan, A/1-8, Neelkanthnagar, Unit-8, Bhubaneswar - 751 012, Orissa.
4. The Chief Conservator of Forests (Eastern), Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar - 751 023, Orissa.
5. adviser IA-II (I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Monitoring Cell
8. Guard File.
9. Record File.


(Dr. P. B. Rastogi)
Director

F. No. J-11011/245/2008-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi - 110003
E-mail: satish.garkoti@nic.in
Tel: 011- 24695316

Dated: 3rd March, 2016

To

M/s Balasore Alloys Ltd
Balgopalpur Industrial Estate,
Balasore, Odisha

Email: mail@balasorealloys.com; Fax No. – 06782 275724

Subject:- Expansion of Ferro Alloy Plant (95000 TPA to 145000 TPA) at Balgopalpur Industrial Estate, Balasore, Odisha by M/s Balasore Alloys Ltd Extension of validity of EC regarding.

Sir,

This has reference to your online application No.-IA/OR/IND/30245/2008 dated 20.8.2015 along with updated Form-I requesting Ministry for extension of validity of the Environmental Clearance (EC) for the project mentioned above. The Environmental Clearance for the project was granted by the Ministry vide letter No. J-11011/245/2008-IA.II(I) dated 25.08.2008.

2.0 The Ferro alloy Plant of M/s Balasore Alloys Ltd. located at Balgopalpur Industrial Estate, Balasore was accorded Environmental Clearance by the Ministry for enhancement in production capacity from 95000TPA to 1,45,000TPA, with increase of Furnace Transformer capacity from 57 MVA to 84 MVA. It has been mentioned that the company could not take up the enhancement programme due to recession in global and domestic market within validity period. Now, with increasing demand of Ferro Alloys both in local as well as international market, the Company has decided to commence the plant operation for enhanced capacity as mentioned above and therefore, as per amendment Notification dated 29.4.2015, an online application dated 20.8.2015 has been submitted to MoEFCC. It was requested by the project proponent to extend the validity of EC for further period of 3 years up to 24th August, 2018.

3.0 The above proposal was considered by the Expert Appraisal Committee (Industry-I) during its 1st meeting held on 18th – 20th November, 2015. The committee after detailed deliberation recommended the proposal of extension of validity of EC dated 25th August 2008 for further period of 3 years i.e. up to 24th August, 2018.

4.0 The Ministry accepts the recommendation of the EAC (Industry) and hereby extend the validity of the Environmental Clearance J-11011/245/2008-IA.II (I) dated 25.08.2008 for further period of 3 years i.e. upto 24.08.2018 under the provisions of EIA Notification, 2006, as amended.



5.0 All the conditions stipulated in the environmental clearance letter No. J-11011/245/2008-IA.II(I) dated 25.08.2008 shall remain the same.

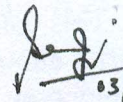
6.0 The company shall obtain fresh environmental clearance in case of any change in the scope of the project.

This issues with the approval of the Competent Authority.

(Dr.Satish C.Garkoti)
Scientist 'F'

Copy to:-

1. The Secretary, Department of Environment, Government of Odisha.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandersekharpur, Bhubaneswar - 751023
4. The Chairman, Orissa Pollution Control Board, "Paribesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII, Bhubaneswar-751012.
5. Guard File / Record File/Monitoring file.


(Dr.Satish C.Garkoti)
Scientist 'F'