

F. No. J-11011/33/2007- 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 12th June, 2007

To,

✓
Shri Jagat I. Parija
Vice President (Corporate)
M/s VISA Steel Ltd.
VISA House, 11, Ekamre Kanan
Nayapalli, Bhubaneshwar – 751015
Orissa.

E-mail : visabbsr@visasteel.com ; Fax No. : 0674-2554662

Subject : **Integrated Steel plant (1.5 MTPA) and WHRB-CPP (100 MW) at Kalinga Nagar Industrial Complex, Jakhapura, Sukinda, Jajpur, Orissa by M/s VISA Steel Ltd.**

Sir,

This has reference to your letter no. VSL/Env./Clearance/2006 dated 12th December, 2006 alongwith Application, Questionnaire, Feasibility Report and EIA/EMP Reoprt and subsequent clarifications furnished by you vide your letters dated 6th February, 5th March, 2007, 14th March, 2007 and 30th March, 2007 for environmental clearance on the above mentioned project.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that M/s VISA Steel Ltd. have proposed for the Integrated Steel plant (1.5 MTPA) and WHRB-CPP (100 MW) at Kalinga Nagar Industrial Complex, Jakhapura, Sukinda, Jajpur, Orissa. The site is developed by IDCO, Govt. of Orissa in 486 ha unirrigated agricultural land. No national park, wildlife sanctuary and reserve forest is located within 10 km radius of the project site. Rehabilitation and resettlement is already completed as per the policy of Govt. of Orissa. Stainless steel and steel products will be manufactured as per details given below:

Name of products, by products and Intermediate Products	Total (TPA)
A. Main products :	
1. Mild steel billets	5,00,000
2. Stainless steel billets	5,00,000
3. Alloy steel billets	5,00,000
B. Intermediate products :	
1. Sponge iron	9,00,000
2. Hot metal/pig iron	6,00,000
3. Ferro-chrome	1,50,000

2.0 ESP to WHRB to control emissions within 100 mg/Nm³ and bag filters to DRI kiln, EAF, BF, Submerged Arc Furnace (SAF), Coke oven plant, Lime plant, Dolo plant will be provided to control air emissions within 50 mg/Nm³. Besides, Gas cleaning system in MBF, FE and DE system, BF stock house, DR kiln, DRI EAF, Ore and Coal crushing & Screening section, Coke oven etc. and bag filter in SMS, pulse jet type bag filter system in raw material handling area will also be provided. Total water requirement will be 39,600 m³/d from River Brahmani kharsua and 'Permission' for the drawl of 15,528 m³/d from River Brahmani / Kharsua for phase I has been accorded by the Water Resource Department, Govt of Orissa. Cooling tower and boiler blow down water will be used for coke quenching. DM plant neutralization pit water will be used for dust suppression. ETP will be installed for the treatment of process water. No wastewater will be discharged outside the premises and will be 100% recycled and reused. Iron ore fines will be sold to sinter plant for reuse. BF slag (granulated) will be sold to cement plants. Coke dust and coke breeze will be reused in the power plant. BF dust, Thickner mud, EAF/LRFD dust, Fines from ESPs and EAF slag will be used for land filling, road construction etc. Iron skull, scrap from CCM and char will be used in EAF. Slag from Ferro chrome unit will be dumped separately in 30 acres impervious dump area (SLF).

3.0 Public hearing meeting was held on 13th September, 2006. 'No Objection Certificate' has been accorded for the Integrated steel plant by the Orissa State Pollution Control Board vide letter no. 29888/Ind-II-NOC-4232 dated 6th December, 2006. Total cost of the project is Rs. 1,626.00 Crores.

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 :

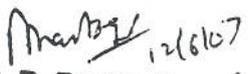
- i) The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The Orissa State Pollution Control Board (OSPCB) may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the 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) Continuous stack monitoring facilities for all the major stacks and adequate air pollution control systems shall be provided to keep emission levels below 50 mg/Nm³ and reports submitted to the OSPCB & CPCB.
- iii) In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Gas cleaning system in MBF, Fume and dust extraction system to BF stock house, DR kiln, DRI EAF, Ore and Coal crushing & Screening section, Coke oven etc. and bag filter in SMS, pulse jet type bag filter system in Raw material handling area will be provided to control fugitive emissions. ESP to WHRB to control emissions within 100 mg/Nm³ and bag filters to DRI kiln, EAF, BF, Submerged Arc Furnace (SAF), Coke oven plant, Lime plant, Dolo plant will also be provided to control air emissions within 50 mg/Nm³. Further, specific measures like water sprinkling around the coal stockpiles and asphaltting or concreting of the roads shall be done to control fugitive emissions.

- iv) Secondary fugitive emissions shall be controlled within the prescribed limits, regularly monitored and records maintained. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.
- v) Total requirement of the water from River Brahamani / kharsua shall not exceed 39,600 m³/d and prior 'Permission' for the total water requirement shall be obtained from the Department of Water Resources, Govt. of Orissa before commissioning the project. Effluent Treatment Plant (ETP) shall be installed for the treatment of process water. Cooling tower and boiler blow down water will be used for coke quenching. All the wastewater generated shall be treated, recycled and reused either in the process or for dust suppression or green belt development. No wastewater shall be discharged outside the factory premises and 'Zero' discharge shall be adopted. Domestic effluent shall be treated in septic tanks followed by soak pits.
- vi) All the iron skull, scrap from CCM and char shall be used in EAF. Semi-burnt coke dust and coke breeze shall be reused in the power plant. Iron ore fines shall be sold to sinter plant for reuse. BF slag (granulated) shall be sold to cement plants. BF dust, Thickner mud, EAF/LRFD dust, fines from ESPs, EAF slag shall be used for land filling, road construction etc. Slag from Ferro chrome unit shall be disposed off in a suitably designed landfill as per CPCB guidelines to prevent leaching to the sub-soil and underground aquifer. Used oil shall be sold to recyclers and reprocessors only.
- 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.
- viii) Out of total 448 ha., green belt shall be developed in 181 ha. area within and around the plant premises as per the CPCB guidelines in consultation with DFO.
- ix) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- x) Recommendations made in the CREP guidelines issued for the steel plants shall be implemented.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Orissa Pollution Control Board (OSPCB) 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 OSPCB. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bhuvaneshwar and the OSPCB / CPCB once in six months.
- iv. 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.

- v. 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).
 - vi. 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.
 - vii. As mentioned in the EIA/EMP, Rs. 100.00 Crores and Rs. 10.20 Crores earmarked towards capital cost and recurring cost/annum for 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.
 - viii. The Regional Office of this Ministry at Bhuvaneshwar / CPCB / OSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.
 - ix. 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 OSPCB / Committee 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 Bhuvaneshwar.
 - x. 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. 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)
Additional Director

Copy to:-

1. The Secretary, State 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 Bengal Pollution Control Board, Parivesh Bhavan, A-1, Neelkanthhanagar, Unit-8, Bhubaneswar - 751 012, Orissa.
4. The Chief Conservator of Forests (Eastern), Regional Office (EZ), Chandrasekharpur, Bhubaneswar - 751 023, Orissa.
5. Joint Secretary (CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, Complex, New Delhi.
7. Monitoring Cell
8. Guard File.
9. Record File.


(Dr. P. B. Ras)
Additional Dire

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

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

Dated 3rd July, 2008

To,

The Vice President
M/s VISA Steel Ltd.
11, Ekamrakanan, Nayapalli
Bhubaneshwar – 751015
Orissa.

E-mail : visabbsr@visasteel.com / visasteel@sify.com.
Fax No. : 0674 - 2554662

Subject : Expansion of Integrated Steel Plant by installing Rolling Mill (1.5 MTPA rolled products) and Captive Power Plant (256 MW) at Kalinganagar Industrial Complex by M/s VISA Steel Ltd. – Environmental clearance reg.

Sir,

This has reference to your letter no. Visa Steel Ltd./Env/Clearance/2007 dated 10th September, 2007 alongwith Application in Form I, Pre-feasibility Report and draft 'Terms of References' as per the EIA Notification, 2006 and related project documents and subsequent clarifications furnished by you vide your letters dated 19th January, 2008, 9th February, 2008, 29th March, 2008 and 12th May, 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 M/s VISA Steel Ltd. have proposed for the expansion of Integrated Steel Plant by installing Rolling Mill (1.5 MTPA rolled products) and Captive Power Plant (256 MW) at Kalinganagar Industrial Complex. Total 486 ha. land has been acquired from Industrial Infrastructure Development Corporation (IDCO), Govt. of Orissa at Kalinganagar Industrial Complex for the existing plant and no additional land will be acquired for the expansion project. Environmental clearance for the existing Integrated Steel Plant (1.5 MTPA) to produce mild steel billets (0.5 MTPA), alloy steel billet (0.5 MTPA) and stainless steel billet (0.5 MTPA) has been accorded by the Ministry vide letter no. J-11011/33/2007-IA.II (I) dated 12th June, 2007. It is proposed to produce Rolled Products (1.5 MTPA) utilizing the billets and Captive Power Plant (256 MW) utilizing the char (2,75,000 TPA) from DRI kiln and coal fines from the existing project. Thus, finished (billets) and waste products (char) of existing unit will be used during expansion of the project to produce Rolled products and electricity. Total cost of the project is Rs. 2,386.81 Crores.

3.0 Walking Hearth Furnace (Reheating Furnace, 100 TPH) will be installed to heat the billets to 1250°C temperature and rolled in Rolling Mill to manufacture wire rods, rebars.

Cooling bed will be provided to handle angles, flats, rebar / rounds of desired size or stored in storage area for dispatch. Electric Arc Furnace will be provided to manufacture SMS.

40 Electrostatic Precipitator (ESPs) will be provided to Captive Power Plant to control particulate matter within 100 mg/Nm^3 from FBC boilers. Dust suppression and extraction system will be provided to control fugitive emissions. Total water requirement from River Kharsua will be $1,498 \text{ m}^3/\text{hr}$. Closed circuit circulating / cooling water system will be used. The treated wastewater will be recycled and reused in process, dust suppression and green belt development. No effluent will be discharged outside and 'Zero' discharge will be adopted. Char from DRI kilns will be used in proposed power plant. Mill scale and dust from Rolling Mill will be used in sinter plant. Scrap will be used in SMS. Fly ash will be utilized as per MOEF guidelines.

5.0 No public hearing/consultation is required due to expansion of the proposed unit in the same campus and location of the project in notified Kalanganagar Industrial Complex, Orissa under Section (iii), Stage (3), Para (i)(b) and Section 7 (ii) of EIA Notification, 2006.

6.0. 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 compliance of the following specific and general conditions :

A. SPECIFIC CONDITIONS :

- i) On-line stack monitoring facilities for all the stacks and sufficient air pollution control equipments viz. Electrostatic precipitators (ESPs) shall be provided to Captive Power Plant to control particulate matter from AFBC boilers within 100 mg/NM^3 and reports submitted to the Ministry's Regional Office at Bhubaneswar OPCB & CPCB.
- ii) Bag filters shall be provided to the reheating furnace and electric arc furnace to control the particulate emissions below 50 mg/Nm^3 . Stacks of adequate height shall be provided to the reheating furnace in rolling mill section. The hood for fume extraction and spark arrestor, bag filters etc. shall be provided to control particulate matter from the stack attached to the induction furnace in Steel Melting Shop (SMS).
- iii) Gaseous emissions including 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) Dust suppression and extraction system shall be provided to raw material handling areas, crusher house, junction towers, feed points, conveyors and transfer points. Water sprinkling shall be done in stockyard.
- v) 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.
- vi) Total water requirement from River Kharsua shall not exceed $1,498 \text{ m}^3/\text{hr}$. Closed circuit circulating / cooling water system shall be used. The wastewater from the de-mineralization (DM) plant shall be neutralized in neutralization pit. All the treated wastewater shall be recycled and reused either in the process or for dust suppression, green belt development and various other activities at the site. 'Zero'

effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises. Domestic effluent shall be treated in septic tank followed by soak pit and used for green belt development.

- vii) Prior permission for the drawl of 1,498 m³/hr from River Kharsua shall be obtained from the concerned department. No effluent shall be discharged outside the plant premises and 'Zero' discharge should be adopted.
- viii) Metallic scrap, scales and mill cuttings shall be recycled and reused in the process in. Slag and refractory waste shall be properly disposed off in environment-friendly manner. All the char from DRI plant and coke fines shall be utilized in AFBC boiler of power plant and no char shall be disposed off anywhere else. Mill scale and dust from Rolling Mill shall be used in sinter plant. Scrap shall be used in SMS. Broken re-factories shall be disposed off in environment-friendly manner. Used oil shall be sold to authorized recyclers / re-processors only.
- ix) All the SMS slag shall also be properly utilized or disposed off in environment-friendly manner. Slag shall be used for road making only after passing through Toxic Chemical Leachability Potential (TCLP) test. Toxic slag shall be disposed off in secured landfill as per CPCB guidelines. All the other solid waste including broken refractory mass shall be disposed off in environment-friendly manner.
- x) Proper utilization of fly ash shall be ensured as per Fly ash Notification, 1999 subsequently amended in 2003. Fly ash and bottom ash shall be disposed off to ash pond through high concentration slurry disposal system (HCSD) and utilized as per Fly ash Notification.
- xi) As proposed, green belt shall be developed in 33 % area in and around the plant as per the CPCB guidelines in consultation with DFO.
- xii) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel plants shall be 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 shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The Orissa Pollution Control Board (OPCB) 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.
- iv. 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 emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and OPCB, CPCB once in six months.

- v. In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Further, specific measures like water sprinkling around the coal stockpiles and asphaltting or concreting of the roads shall be done to control fugitive emissions.
- vi. 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.
- 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 shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- viii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- ix. 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.
- x. 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. Suggestions made during the public hearing shall be implemented.
- xi. As mentioned in the EIA/EMP, Rs. 100.00 Crores and Rs. 10.00 Crores earmarked towards the capital cost and recurring cost towards the environmental 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.
- xii. 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.
- xiii. 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.

- xiv. 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.

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

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

9.0. 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.

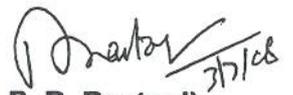
10.0. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public (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/118, Nikanthhanagar, Unit-8, Bhubaneswar - 751 012, Orissa.
4. The Chief Conservator of Forests (Eastern), Regional Office (EZ), A/3, Chandrasekharapur, Bhubaneswar - 751 023, Orissa.
5. Adviser (IA-II), 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-11011/491/2009- 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 28th October, 2009

✓ To,

Shri Rajar Mishra, President
M/s Visa Bao Ltd.
VISA House, 11, Ekamra Kanan, Nayapalli
Bhubaneswar – 751 015
Orissa.

E-mail : visabbsr@visasteel.com / globalexpert@rediffmail.com ;
Fax No. : 0674-2554662 / 06726-242442 ;

Subject : Ferro Chrome Plant (1,00,000 MTPA), 4x16.5 MVA) at P.O. Kalinga Nagar Industrial Area, P. S. Kalinga Nagar, District Jajpur, Orissa by M/s Visa Bao Ltd. -- Environment clearance req.

Ref. : Your letter no. nil dated 11th August, 2009.

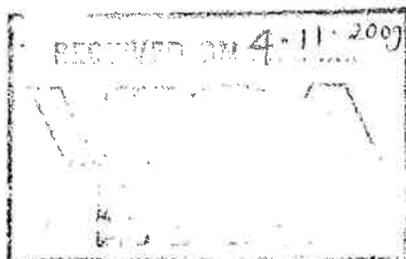
Sir,

This has reference to your letter no. nil dated 11th August, 2009 alongwith application in Form I, draft Terms of Reference, Pre-feasibility and EIA/EMP and subsequent communications vide letter dated 9th & 10th September, 2009 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 is for the Ferro Chrome Plant (1,00,000 MTPA), 4x16.5 MVA) at P.O. Kalinga Nagar Industrial Area, P. S. Kalinga Nagar, District Jajpur, Orissa by M/s Visa Bao Ltd. Total project area is 50 acres, which will be provided by M/s Visa Steel Ltd. in their campus at Kalinganagar Industrial Complex. A copy of the Gazette Notification indicating location of the project in notified Kalinga Nagar Industrial complex is submitted. Environment clearance has been accorded to M/s Visa Steel for the Steel Plant (1.5 MTPA) vide Ministry's letter no. J-11011/33/2007-IAII(I) dated 12th June, 2007. No forest land is involved. Total cost of the project is Rs. 262.00 Crores.

3.0 Four submerged arc furnaces will be installed to manufacture Ferro Chrome Alloy (1,00,000 TPA). Production of high carbon ferro-chrome will involve chemical reduction of the oxide ore with some carbonaceous material as reducing agent and using quartzite and lime and/or dolomite as fluxes. Chrome ore lumps & fines, coke, dolomite, quartzite will be used as raw materials.

4.0 Fume extraction system, bag house/filters, I D fan and stack of adequate height to submerged arc furnace shall be provided to control gaseous emissions. Dust suppression and



extraction system will be provided to control fugitive emissions from different sources. Total water requirement from River Kharsua and IDCO will be 740 m³/day. Cooling water will be recycled/reused in the process. Treated wastewater will be used for ash handling, dust suppression and green belt development. No effluent will be discharged and 'zero' discharge will be adopted. Bag house dust will be recycled in the process. Maximum metal will be recovered from the ferro chrome slag through jigging and slag will be disposed in a secured landfill in factory premises after TCLP Test. Chrome ore fines will be reused in briquetting plant. Dolomite will be reused.

5.0 Public hearing is exempted as per Section (iii), Stage (3), Para (i)(b) of EIA Notification, 2006.

6.0. 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 house/filters, I D fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 100 mg/Nm³. Monitoring of total Chromium (Cr) and Carbon monoxide (CO) shall also be ensured. Standards for Nickel (Ni), Chromium (Cr) and Lead (Pb) shall be within permissible limit. The Orissa Pollution Control Board (OPCB) 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) In-plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive dust emissions from the stock pile of raw materials and fines dump in the open area shall be controlled by dust suppression system by routine water sprinkling. Dust extraction system with bag filters shall be provided to control the fugitive dust from raw material handling, screening and conveying section alongwith product handling section, transfer and feeding points to control fugitive dust emissions to meet the OPCB norms. Internal roads shall be made black topped and asphalted. Water spraying shall also be done to prevent the dust emanation due to vehicular movement.
- iii) Data on ambient air quality, stack emissions and fugitive emissions shall be uploaded on the Company's website and also regularly submitted on-line to the Ministry's Regional Office at Bhubaneswar, OPCB and CPCB as well as hard copy once in six months. Data on SPM, SO₂ and NO_x shall also be displayed prominently outside the premises at the appropriate place for the information of general public.
- iv) 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.

- v) 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.
- vi) Total water requirement from River Kharsua and IDCO shall not exceed 740 m³/day. However, make-up water requirement for the proposed ferro alloy plant shall be met from water allotted to M/s Visa Steel Limited (VSL). Closed circuit cooling system shall be adopted i.e. cooling water shall be recycled/reused in the process to reduce water consumption. The blow down and other discharges including DM effluent shall be collected in a common pond, treated and recycled back to the process and /or used for ash handling, dust suppression and green belt development. Domestic wastewater shall be treated in septic tanks followed by soak pit system and used for green belt development.
- vii) Prior permission for the drawl of 740 m³/day water from River Kharsua / Brahmani / IDCO from the concerned department shall be obtained. Actual source of water shall be finalized and informed to the Ministry's Regional Office at Bhubaneswar, OPCB and CPCB alongwith the permission letter.
- viii) 'Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.
- ix) 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 E(P) Act whichever are more stringent.
- x) Metal recovery plant shall be installed to recover maximum metal through hydraulic juzzing process. Discharge from metal recovery plant shall be monitored for the Chromium content and maintained within the permissible limit before recycling and reuse. SAF slag tailing shall be dumped in own premises in secured land fill constructed as per CPCB guidelines after recovery of the metal. Used oils/lubricants shall be sold to authorized recyclers / reprocessors.
- xi) 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. 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. Hazardous waste shall be handled as per the Hazardous Waste (Management & Handling) Rules, 1989 and subsequent amendments.
- xii) Flue dust from the bag house shall not be dumped anywhere but reused in the process. Chrome ore fines shall be reused in briquetting plant. Dolomite shall also be reused.
- xiii) 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. *fr*

- xiv) As proposed, green belt shall be developed in at least 17 acres (33%) out of 50 acres land within and around the plant premises as per the CPCB guidelines in consultation with DFO.
- xv) All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Ferro chrome units shall be strictly implemented.
- xv) All the commitments made to the public during the Public hearing/Public consultation meeting shall be satisfactorily implemented.
- xvi) The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile S^{TP}, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

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 shall 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, OPCB and 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. 13.10 Crores shall be earmarked towards capital cost and recurring cost/annum for the environment pollution control measures and utilized judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
- xi. 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.
- xii. 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 MOEF at Bhubaneswar, the respective Zonal Office of CPCB and the OPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters (Carbon monoxide (CO), Chromium (Cr), Nickel (Ni) and Lead (Pb), indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xiii. 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 as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / OPCB shall monitor the stipulated conditions.
- xiv. 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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.
- xv. 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 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 should be forwarded to the Regional office at Bhubaneswar.

xvi. 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.

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

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

9.0 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.

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

(Signature)

(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/118, Neelkanthanagar, 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.

(Signature)

(Dr. P. B. Rastogi)
Director

F. No. J-11011/1000/2007- 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: ahuja.rai@nic.in
Tele/fax: 011 - 2436 3973
Dated: 5th March, 2011

Mr. P.R. Bose, E.S.
Mr. Manoj Kumar, President (M/s VISA Steel Limited)
Mr. Vishal Agrawal, M.D.

Mr. Ak Laloy
13/3

To,
M/s VISA Steel Limited
11, Ekamrakanan, Nayapalli,
Bhubaneswar - 751 015

Ph: 0674- 2552479 Fax: 0674- 2554662
E-mail: visabbsr@visasteel.com / globalexperts@rediffmail.com

Sub: Expansion of Integrated Steel Plant by installing Rolling Mill (1.5 MTPA rolled products) and Captive Power Plant (256 MW) at Kalinganagar Industrial Complex, Village Dangadi, District Jajpur in Orissa by **M/s VISA Steel Limited - regarding Amendment in Environmental Clearance due to change in the captive power plant configuration.**

Sir,

This is in continuation of this Ministry's letter of even no. dated 3.07.2008 and subsequent communications dated 22.06.2011 and 1.10.2011 requesting the Ministry for amendment of environmental clearance accorded on 3.07.2008 due to change in the captive power plant configuration.

2. The proposal was placed before the Expert Appraisal Committee-1 (Industry) in its 28th meeting held during 26th - 27th September, 2011. The Committee noted that there is only change in the configuration from 3x77 MW AFBC to 1x150 + 1x81 MW CFBC. However, overall power generation capacity would remain same as 256 MW. The Committee agreed to the request for amendment of environmental clearance accorded vide letter no. J-11011/1000/2007-IA.II (I) dated 3.07.2008 for change in configuration from 3x77 MW AFBC boilers to 1x150 + 1x81 MW CFBC boilers. The total power generation through WHRB and CFBC would remain same (25 MW through WHRB and 231 MW through CFBC).

The Ministry accepts the recommendation of EAC -1 (Industry) for change in configuration of boilers from 3x77 MW AFBC to 1x150 + 1x81 MW CFBC subject to stipulation of following additional safeguards:

Data on ambient air, stack and fugitive emissions shall be regularly submitted online to Ministry's Regional office at Bhubaneswar, SPCB and Central Pollution Control Board as well as hard copy once in six months and display data on PM₁₀, SO₂ and NO_x outside the premises at the appropriate place for the general public.

Cont.d.....

Mr. Ak Laloy
This is not correct
This has to be corrected
for Mr. A. K. Laloy
for Jajpur up. 3.14.11
Consultant up. 3.14.11
14/3

ENV

- ii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826 (E) dated 16th November, 2009 shall be followed.
 - iii. 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 as by e-mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/CPCB/SPCB shall monitor the stipulated conditions.
 - iv. 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 alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.
4. The Company shall comply all the conditions stipulated in the environmental clearance order dated 3.07.2008. In future, in case of change in the scope of the project, the company shall obtain fresh environmental clearance.

This issues with approval of the Competent Authority.

Yours faithfully,


(Dr. P.L. Ahujarai)
Scientist 'F'

Copy to:-

1. The Secretary, State Department of Environment, Govt. of Orissa, Bhubaneswar, Orissa.
2. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. Chairman, Orissa Pollution Control Board, Parivesh Bhawan, A/118, Neelkanthhanagar, Unit-8, Bhubaneswar - 751 012, Orissa.
4. The Chief Conservator of Forests (Eastern), Regional Office (EZ), A/3, Chandrasekharapur, Bhubaneswar - 751 023, Orissa.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Guard File / Record File.


(Dr. P.L. Ahujarai)
Scientist -F

F. No. J-11011/491/2009-1A-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jor Bagh Road, Aliganj,
New Delhi – 110003
E-mail: r.sundar@nic.in
Tel: 011-24695304
Dated: 26th February, 2021

To

✓ **Shri. Manoj Kumar,**
Director,
M/s Visa Steel Limited,
KNIC, Jakhapura, Jajpur Road,
District Jajpur, Odisha - 755026
E-mail: tushar.misra@visasteel.com ; Mobile: 9337548726

Subject: Transfer of Environment Clearance titled "Ferro Chrome Plant (75,000 TPA), 3x16.5 MVA at P.O. Kalinga Nagar Industrial Area, P.S. Kalinga Nagar, District Jajpur, Odisha by M/s. Visa Bao Ltd." **from M/s. Visa Bao Limited to M/s. Visa Steel Limited** – regarding.

Ref. : (i) Ministry's EC letter No. J-11011/491/2009-IA-II(I) dated 28/10/2009
(ii) Online proposal no. IA/OR/IND/185043/2020 dated 30/01/2021

Sir,

1. Reference is invited to your online proposal no. IA/OR/IND/185043/2020 dated 30/01/2021 seeking transfer of Environment Clearance cited above from M/s. Visa Bao Limited to M/s. Visa Steel Limited.
2. The Ministry of Environment, Forest and Climate Change (MoEF&CC) has examined the request submitted by you. It is noted that as per the order dated 12th October, 2017 passed by the National Company Law Tribunal, Kolkata Bench, Kolkata vide C.P (CAA) No: 389/KB/2017, connected with CA No: 106/2017 in the matter of Company Act, 2013; Section: 230/232, M/s. VISA Bao Limited (VBL) stands amalgamated with M/s. VISA Steel Limited (VSL).
3. It is also noted that following documents have been submitted for the transfer of Environmental Clearance:
 - i. Form No.7 for transfer of Environmental Clearance.
 - ii. Certified true copy of the resolution passed by the Board of Directors of Visa Steel Limited at its meeting held on 30/06/2020 enabling Mr. Manoj Kumar, Chief Operating Officer to correspond and execute documents with MoEF&CC.
 - iii. The project proponent has reported that NOC from M/s. Visa Bao Limited for transfer of EC dated 28/10/2009 is not possible as M/s. Visa Bao Limited has merged with M/s. Visa Steel Limited as per the NCLT Order of 12th October, 2017 and no more exists as individual entity. However, NOC in a Non-judicial stamp vide No. AD 457453 dated 21/11/2021 from M/s. Visa Steel Limited is submitted stating that they have no objection to accept the conditions mentioned in Environmental Clearance issued to Visa Bao Limited (since amalgamated with Visa Steel Limited).

- iv. Undertaking by way of Affidavit in a non-judicial stamp vide No. L-502463 dated 19/11/2020 of M/s. Visa Steel Limited stating that they will abide by and comply with all the conditions/environmental safeguards stipulated in the Environment Clearance dated 28/10/2009.
 - v. Certified Copy of the Order dated 12th October, 2017 passed by the National Company Law Tribunal, Kolkata Bench, Kolkata vide C.P (CAA) No: 389/KB/2017, connected with CA No: 106/2017 in the matter of Company Act, 2013; Section: 230/232 wherein M/s. VISA Bao Limited (VBL) stands amalgamated with M/s. VISA Steel Limited (VSL).
 - vi. Scheme of Amalgamation Under Section 391 to 394 and Other Applicable provisions of the Companies Act, 1956 of Visa Bao Limited with Visa Steel Limited and their respective shareholders.
 - vii. Certificate of incorporation issued by the Registrar of Companies, Odisha vide No. 15-04601 dated 10/09/1996 in the name of M/s. Visa Industries Limited.
 - viii. Fresh Certificate of Incorporation Consequent on Change of name from M/s. Visa Industries Limited to M/s. Visa Steel Limited issued by Registrar of Companies, Odisha dated 04/02/2005 under Company Registration No. 15-04601 and CIN No. U13209OR996PLC004601.
 - ix. Memorandum and Articles of Association of M/s. Visa Steel Limited.
 - x. M/s. Visa Bao Limited CIN No. U27101OR2008PLC009790.
4. As per the para 11 of EIA notification 2006, a prior environmental clearance granted for a specific project or activity to an applicant may be transferred during its validity to another legal person entitled to undertake the project or activity on application by the transferor, or by the transferee with a written "no objection" by the transferor to and by the regulatory authority concerned, on the same terms and conditions under which the prior environmental clearance was initially granted, and for the same validity period. No reference to the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned is necessary in such cases.
 5. Considering the above, and since all the project facilities envisaged in the Environment Clearance dated 28/10/2009 have not been implemented within EC validity period which expired on 27/10/2014. In view of this, the Environment Clearance is transferred from **M/s. Visa Bao Limited to M/s. Visa Steel Limited, limited to the facilities already implemented within the EC validity i.e. 3x16.5 MVA Sub-Merged Arc Furnace for 75,000 TPA Ferro-Chrome Plant whereas request for transfer of the unimplemented 4th unit of 16.5 MVA Sub-Merged Arc Furnace is hereby rejected.** For the 4th unit of 16.5 MVA Sub-Merged Arc Furnace, project proponent may apply for fresh Environment Clearance.
 6. M/s. Visa Steel Limited shall comply with the all specific and general conditions stipulated in the Environment Clearance letter of even no. dated 28/10/2009.
 7. In case, there is a change in the scope of the project, fresh Environment Clearance shall be obtained.
 8. This issues with the approval of the Competent Authority.

Yours faithfully,


(Sundar Ramanathan)
Scientist 'E'

Copy to:-

- i. Secretary, Department of Environment, Government of Odisha, Secretariat Bhubaneswar.
- ii. Regional officer, Ministry of Environment, Forest and Climate Change, Regional Office (EZ), A/3, Chandrasekharapur, Bhubneswar-751 023.
- iii. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
- iv. Chairman, Odisha State Pollution Control Board, Paribesh Bhawan, A/118, Nilakantha Nagar, Unit – VIII, Bhubaneswar – 751012, Odisha.
- v. Member Secretary, Central Ground Water Authority, West Block –II, Wing -3, Sector I, R.K.Puram, New Delhi – 110086.
- vi. District Collector, Jajpur District, State of Odisha.
- vii. Guard File / Record file / Monitoring file.
- viii. MOEF&CC Website.


(Sundar Ramanathan)
Scientist 'E'