

To, Additional Director Ministry of Environment and Forests (I. A. Division), Government of India Paryavaran Bhawan, CGO Complex, Lodhi Road New Delhi - 110003

TBSL / HSE / MoEF / 0639/14

Date: 24st Nov 2014

Your Ref: F. No. J-11011/271/2007-IA II (I) Sub: Half Yearly Compliance Report

Sir,

This is in reference to Ministry of Environment & Forests letter no. F. No. J-11011/271/2007-IA II (I) dated 24th August 2007 and Jharkhand Pollution Control Board Letter No. JA/2655/W/332 dated 01st Feb 2007 to M/s Tata BlueScope Steel Limited for Environment Clearance with certain conditions to establish factory premises for Metal Coating and Colour Coating Line Project at Bara, East Singhbhum, Jamshedpur (Jharkhand).

Please find enclosed the half yearly compliance report {H1 (FY14-15)} for your kind information.

Thanking you

Sincerely yours

For Tata BlueScope Steel Limited

(Factory Manager - Coated Steel)

Encl: As-Above

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Copy to:-

1. The Secretary, Jharkhand State Pollution Control Board, Town Administration Division Building (Ground Floor), H. E. C., Dhurwa, Ranchi - 834004, Jharkhand

2. The Chairman, Central Pollution Control Board, Parivesh Bhavan CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032

The Chairman, Jharkhand State Pollution Control Board, Town Administrative Division Building (Ground Floor) H.E.C., Dhruwa, Ranchi - 824004, Jharkhand

The Chief Conservator of Forests (Eastern), Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar - 751023, Orissa.

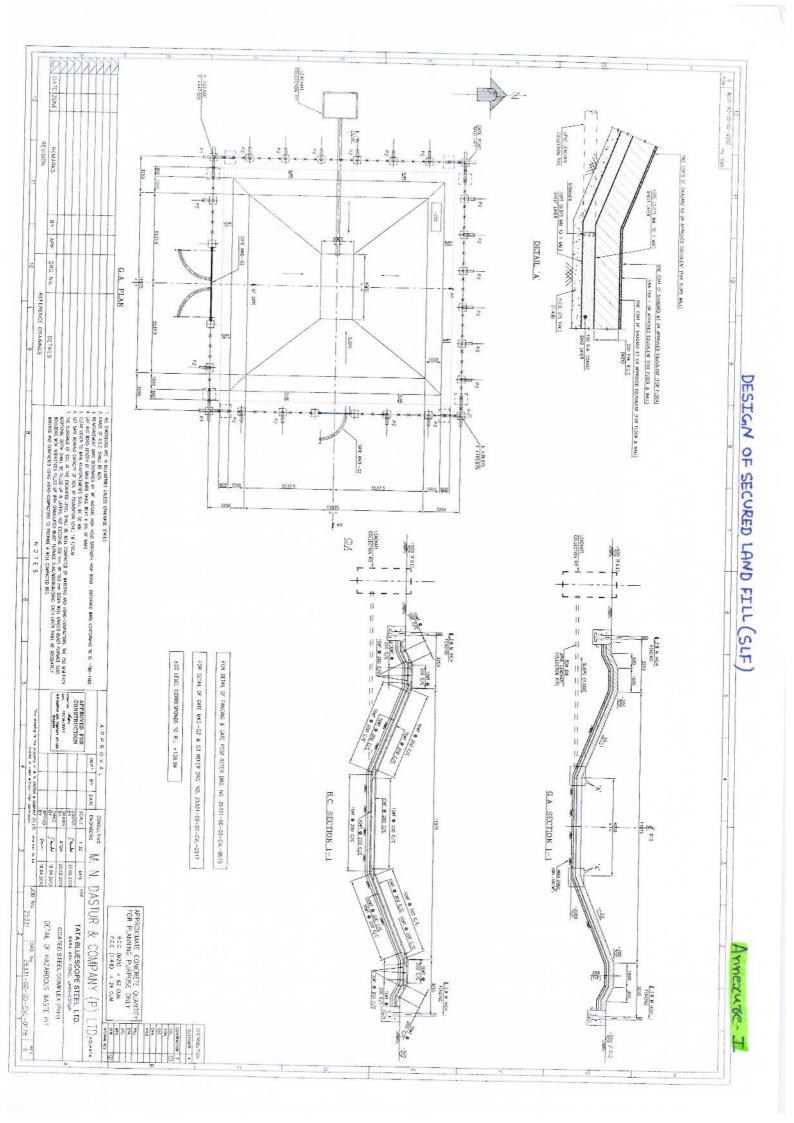
5. The Joint Director, Government of India, Ministry of Environment & Forests, Eastern Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar - 751023, Orissa.

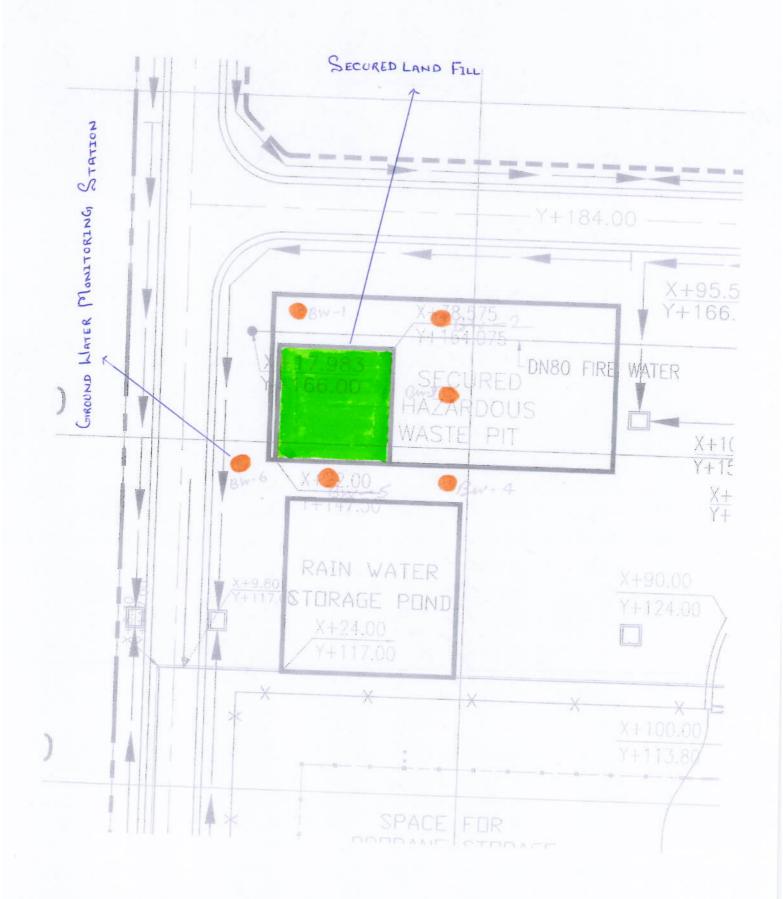
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003

Chief Resident Executive, Tata Steel Limited, Jeevan Bharti Building, Tower # 1, 10th Floor, 124 Cannaught Circus, New Delhi (110001)

_	ECIFIC CONDITIONS	ronment & Forest - Compliance Report H1 FY(14-15)
SI. No.	Conditions	Compliance
3	a. Total Water requirement from River Subamarekha shall not exceed 2,160 m3/day and b. Waste water generation shall not exceed 1106 m3/day respectively, c. Effluent Treatment plant passivation section shall be treated separately to reduce Cr+8 into Cr+3 and its proper storage after dewatering in separate secured landfill (SLF). d. Closed circuit cooling water system shall be adopted in cooling towers to reduce consumption of water. e. All the treated effluent shall be monitored for pH, TSS. TDS, volatile dissolved solids, COD, BOD, heavy metals and other relevant parameters like presence of solvents etc. and used for horticulture purposes or secondary usage.	a. Present water consumption (Industrial + Domestic) per day is 650 Cub M/Day. b. Waste water generation per day average 400 Cub M / Day. c. Expected tretment plant has been installed and it is in operation. After treatement of Cr+6, Cr+3 sludg is being stored in the leaching pond called SLF after dewatering. d. Close circuit cooling tower has been installed. e. Expected parameter are being monitored. Trated water being used for horticulture.
2	The ground water quality in and around the unit and the hazardous waste disposal site / secured landfill (SLF) shall be regularly monitored and the data recorded to ensure that there is no contamination of the ground water.	Adesign detail of the secured land fill (SLF) according to which it has been implemented at site is attached as Annexure - I.Layoutyout showing location of SLF vis-à-vis we are taking sample of ground water from nearest bore well from SLF. Ground and Surface water quality test report as annexure XI A,XI B & XIC.
	a. Hazardous waste (Chrome sludge, Trivalent Chromium) shall be disposed off in secured landfill (SLF). b. Spent paint shall be provided to the paint manufacturers. c. Aluminium and Zinc metal dross shall be sold to authorised entrepreneurs only. And d. Incinerator shall be installed to incinerate ETP sludge, waste paint, oil wastes etc. and waste heat recovered shall be used in the process, air emissions from the incinerator shall be controlled by installing proper air pollution control equipments to meet the CPCB standards and guidelines, the destructive efficiency of the incinerator shall be assessed time to time by approved agency and a report submitted to the ministry. ENERAL CONDITIONS	Hazardous waste (Chrome sludge, Trivalent Chromium) being disposed off in secured landfill (SLF). Spent Paint is incinerated as per complaince of 3d. Vendors has been developed who buy the Al & Zn dross. Incinerator has been installed and ETP sludge, waste paint (mixed with waste cotton) oil waste are being incinerated. Hot flue gas is beign emitted after necessary quenching to environment and air emission being monitored as per CPCB standard. The Destructive efficiency measurement of the incienrator is under progress. Online stack monitoring system planned.
ŋ	The plant authorities shall strictly adhere to the stipulations made by the Jharkhand State Pollutions Control Board (JSPCB) and the State Government.	TBSL is committed to adhere stipulations made by the Jharkhand State Pollutions Control Board (JSPCB) and the State Government. JSPCB had issued Consent to Establish (NOC) vide ref NO JA/ 2655/w/332. Dated 01.02.07 and Consent to Operate vide ref NO JA/New/New/A/W G 810 dated 04.04.11 and PC/JSR/Air/T-64/11/G-3885 date 10.10.2014. Hazardous Waste Authorization has been obtained from JSPCB. All clearances of JSPCB attached as Annexure - II, Annexure IIA, and IIB.
ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Shall follow the Norms
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 state Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and locations. 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.	The plant design includes furnes extractor, furnes will be burnt in the incinerator before it goes to air through stacks. Gaseous emission from MCL is designed as per MoEF standards and maintained. Emission from the MCL stack is being designed as per standards (Air - Prevention & Control of Pollution Act, 1981) and is as follows: Particulate matter: 50 mg/Nm3 Max NOX emission: <20 mg/Nm3 SOX emission: <50 mg/Nm3 VOC emission: <50 mg/Nm3 Alkali furnes: <2 mg/m3 Chromic acid furne: <0.1 mg/Nm3
iv)	Fume extraction system shall be provided to collect solvent vapors (VOCs) and shall be incinerated in incinerator to mitigate odour pollution. Fume extraction system shall also be provided to alkali degreasing section and chrome passivation both to extract alkali and acid droplets.	Fume extraction system is designed for Solvent vapours incineration and for alkali & Chromate with a water scrubber
v)	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 NOx are anticipated in consultation with JSPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar, JSPC and CPCB once in six months.	Four Ambient Air quality monitoring station established, data being submitted with this report, AAQ report as Annexure VIII & VIIIA, VIIIB, VIIIC, VIIID, VIIIE and VIIIF. Monitoring of PM2.5 and other parameters from SL5 to SL 12 as specified in the notification GSR 826 (E) date 16.11.2009 as Annexure x.
vi)	in plant control measures for checking fugitive emission from all the vulnerable sources shall be provided. Further specific measures like water sprinkling shall be carried out and fugitive emissions shall be controlled, regularly monitored and records maintained.	N.A
VII): 3	Secondary fugitive emissions shall be controlled within the latest permissible imits issued the Ministry and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.	N.A.

1	date of Financial closure and final approval of the project by the concerned	Complied
ix)	The Plant 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 JSPCB / Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.n. this shall be advertised within seven days from the date of issue of the clearance letter, at east 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. Plant authorities should inform the Regional Offices as well as the Ministry, the	Complied
viii)	The Regional Office of this Ministry at Bhubaneswar / CPCB / SPCB will monitor the stipulated conditions. A six monthly compliance report and the monitoring data along with statistical interpretation shall be submitted to them regularly.	Implemented .Statistical interpretation of environmental data being submitted with this report . AAQ report including Monitoring of PM2.5 and other parameters from st.5 to st. 12 as specified in the notification GSR 826 (E) dater 16.11.2009 as Annexure .Report for month of Apr-14 as Annexure VIII, Report of May-14 as Annexure VIIIA, Report of June-14 as Annexure VIIIB, Report of July-14 as annexure VIIIC, report of Aug-14 as annexure VIIID, report of Sep-14 as VIIIE. Statical analysis of AAQ is attached as Annexure VIIIF. We are submitting Noise Level Report as Annexure IX. Report of stack emission is being attached as Annexure X,XA,XB,XC,XD,XE. Effluent water quality report as annexure XI, Ground water Quality Report as XIA, Surface water quality report as XIB & XIC and Soil Analysis report as annexure XID
cvii)	The company must undertake socio-economic developments activities in the surrounding villages like community development programmes, educational programmes. Drinking water supply and health care etc.	Tabular details of CSR done and envisaged is attached as Annexure - VI.
cvi)	The plant proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP report.	Being complied
xv)	Occupational health surveillance of the workers shall be done on regular basis and records maintained as per the Factories Act.	Currently we have some crane operators who work under contractor whose occupational health is being monitored and we are attaching details of health check-up till date. We are attaching our future scheme provision and plans to be done under occupational Health. We are attaching details as annexure III. And IIIA.
xiv)	Recommendations made in the Corporate Responsibility for Environment Conservation (CREP) issued for the steel plants shall be implemented.	Details of the equipments installed and practices put in place or proposed for compliance of CREP attached as Annexure - VII.
xiii)	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).	All equipment are designed in accordance with EPA Rules for control of noise levels. Acoustic enclosures for DG sets, Air compressors etc. Done. Noise Monitoring Report attached as Annexure -IX.
xii)	As proposed, green belt shall be developed 8 ha (33%) out of total 24 ha to mitigate the effect of fugitibe emissions all around the plant as per the CPC8 guidelines.	More than 30 percent area has been developed as Green belt. Plant layout showing green belt developed till date attached as Annexure – V & V A.
xi)	The company shall develop surface as well as ground water harvesting structures to harves the rainwater for utilisation in the lean season besides recharging the ground water table.	Detailed design of rainwater harvesting plan attached as Annexure – IV.
x)	Occupational health surveillance of the workers shall be done on regular basis and records maintained as per the Factories Act.	Occupational health surveillance of the workers are being done as per the Factories Act. We are attaching details as annexure III and IIIA.
ix)	The plant authorities shall strictly comply with the rules and regulations under manufacture, storage and Import of Hazardous Chemical Rules, 1989 as amended in October 1994 and January 2000 and Hazardous Wastes (Management and Handling) Rules, 2003. Authorisation from the Jharkhand SPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes. No hazardous waste shall be sold.	Requirements under manufacture, storage and Import of Hazardous Chemical Rules, 1989 as amended in October 1994 and January 2000 are being complied. Consent for Hazardous waste authorisation has been taken. Document is attached as Annexure II B.
viii)	Industrial waste water 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 utilised for plantation purpose.	ETP is designed to take care of Environmental norms. The treated water is used for gardening.





SKETCH - 1



झारखण्ड राज्य प्रदूषण नियंत्रण पर्षद

JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI-834004
Phone No:- 2400852, 2400979,2400851, Fax No:- 2400850.

Ref No. JA/2655/W/332

Date -1 · 2 - 07.

No Objection Certificate under section 25 & 26 of the water (Prevention & Control of pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of pollution).

Act, 1981.

- Reference application no. 4588 dated 19-09-05 of M/s Tata BlueScope Steel Ltd., Bara Ash pond Area, Jamshedpur- 831009 for setting up a plant for manufacturing of Zinc- Aluminium, Coated Steel Strip and Polyster paint Coated Strip at Bara Ash pond Area, Po- Agrico, Dist. – East Singhbhum. The production capacity of the industry will be as follows:-
 - 1) Zinc-Aluminium Coated Steel Strips (Galvalue/Zinc column 100,000 TPY
 - 2) Polyester Paint coated Strip- 150,000TPY

Project Cost- 785.0 Crores

- 2. After Consideration
- i) The facts stated in the N.O.C application & Project Report
- Provisions of related water (Prevention & control of Pollution) Act, 1974 & Air (Prevention & Control of pollution) Act, 1981.
- in) ElATEMI supmitted.
- iv) Public Hearing conducted on 12-05-06.
- N.O.C in favour of unit, based on EIA/EMP & facts stated in the project report.
 N.O.C application is hereby accorded subject to the following conditions:-
- The unit shall obtain consent to operate from State pollution Control Board under section 25 and 26 of the Water (Prevention & Control of pollution) Act, 1974 and section 21 of the Air (Prevention & Control of pollution) Act, 1981 prior to commissioning of the plant.
- The unit shall install Effluent Treatment Plant adopting appropriate technology to treat the effluent to the standard stipulated and it shall be recirculated.
- All tanks used for collection and treatment of effluent shall be made impervious by providing adequate cement concrete/stone masonry/stone slab lining with leak proof materials.
- iv) The unit shall install water meter to measure the water consumed for different purposes as per the water (Prevention & Control of pollution) Cess Act, 1977.
- v) The unit shall ensure continuous and uninterrupted power supply so that the pollution control system functions uninterruptedly. Separate energy meters shall be provided for the pollution control systems.
- vi) The unit shall upgrade pollution control systems as and when new technologies are available.
- vii) The unit shall install suitable Air pollution control devices wherever necessary to control fugitive emission, and emission from stack shall conform to the stipulated standards.
- viii) The height of stack(s) shall be as per norms of Central Pollution Control Board. Necessary port hole(s) ladder and platform shall be provided with the stack as per norms of the Central Pollution Control Board for stack emission monitoring.



- ix) The unit shall provide Ambient Air Quality Report & Noise level monitoring report before and after commissioning of the plant. The unit shall ensure that the Noise level & AAQ are within the prescribed limit.
- x) The D.G. sets shall be housed properly to minimize noise pollution in and around the factory campus. The height of exhaust pipe shall be raised as per the norms of C.P.C.B.
- xi) The plantation shall be made in every direction in all vacant spaces available around the factory campus.
- xii) The unit shall prepare and submit a plan of rain water harvesting within Six months.
- xiii) The unit shall implement all pollution control measures as suggested in EIA/EMP.
- xiv) Online monitoring system shall be installed to check pollution level continuously.
- xv) For the disposal of Oily and Volatile organic waste, Incinerator shall be provided with adequate pollution control devices to meet the Board's emission standard.
- xvi) The unit shall obtain Environmental Clearance from MOEF, Govt. of India by 30th, June . 2007.
- xvii) The unit shall comply the following directions as per the recommendation of the committee constituted vide Board's letter no. 3113 dated 21-09-06
 - a) The road leading from M/s Timken India Ltd. to M/s Tata BlueScope Steel ltd. Shall be made pueca and frequency of water spraying shall be increased.
 - b) Slag dumped in the northern side of the premises shall be removed.
 - c) Garland drain along the boundary outside the premises shall be provided.
 - d) Water spraying on all haul roads shall be done regularly.
 - e) Garbage dumped in the Eastern side of the premises shall be removed.
- The Jharkhand State Pollution Control Board reserves the right to revise and/or add any other conditions, if necessary, for the protection of Environment and to ensure pollution control or any.
- The present N.O.C shall not be considered as an assurance for granting consent to operate the proposed plant and is subject to compliance of all conditions as mentioned above.
- This N.O.C is valid for a period of 12 months from the date of issue.

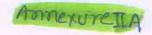
Sd/-(S.K. Singh) Member Secretary

Ranchi, Dated / 2-07.

Copy. forwarded to M/s Tata BlueScope Steel Ltd., Bara Ash pond Area, Jamshedpur-831009 /Secretary, Ministry of Environment and Forest, Govt. of India New Delhi/Secretary.

Dept. of Forest and Environment, Govt. Of Jharkhand, Ranchi/Chief inspector of Factories,
Doranda, Ranchi/Deputy Commissioner, East Singhbhum/Director Industries.Govt. of
Jharkhand, Ranchi/Regional Office, J.S.P.C Board, Jamshedpur/officer concerned dealing with
consent/PS to Chairman.

Member Secretary





JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI-834004 Phone. 2400852, 2400851, Fax 0651- 2400850, Web Site-www.jspcb.org

Ref. No. JA/New/New/A/W G-810

Date: 4,41] .

CONSENT TO OPERATE

With reference to the applications dated 14.02.2011 of M/s. Tata Blue Scope Steel Ltd, At-Bara, P.O.-Agrico, Jamshedpur, East Singhbhum for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and that under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, he (they) is (are) granted consent to bring into use his (their) new/altered/existing outlet(s) for discharge of trade effluent and (or) domestic sewage and to operate his (their) industrial plant having installed production capacity to produce Metal Coated Steel Coils-1,00,000 TPA and Painted Coils-1,50,000 TPA, At-Bara, P.O.-Agrico, Jamshedpur, East Singhbhum for the period from 14.02.2011 to 31.12.2011 with the following conditions:

- That, he (they) shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board.
- That, he (they) shall abide by the obligations provided under sections 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and shall extend co-operation to the Board in performing its functions entrusted under sections 20, 21 23, 30 and 32 of the Act.
- That, he (they) shall comply with the requirements of the Water (Prevention & Control of Pollution) Cess
 Act, 1977 read with the Water (Prevention & Control of Pollution) Cess Rules, 1978
- 4. That, he (they) shall abide by the obligations provided under sections 22, 23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and shall extend co-operation to the Board in performing its functions entrusted under sections 24, 25 and 26 of the Act.
- That, he (they) shall abide by the obligations provided under sections 5, 7, 8 and 9 of the Environment (Protection) Act, 1986 and shall extend co-operation in performing the functions entrusted under sections 3, 10 and 11 of the Act.
- 6. That, he (they) shall abide by the applicable provisions of the Environment (Protection) Rules, 1986; the Hazardous Wastes (Management, Handling & Transboundry Movement) Rules 2008; the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989; the Bio-Medical Waste (Management and Handling) Rules, 1998; the Municipal Solid Wastes (Management and Handling) Rules, 2000 and the Batteries (Management and Handling) Rules, 2001.
- That, he (they) shall maintain the quality of discharge and (or) emission and (or) noise level of environmental
 pollutants in conformity with the standards as laid under rule 3 of the Environment (Protection) Rules, 1986.
- That, he (they) shall monitor his (their) effluent (s), emission (s) and the ambient air, noise level regularly
 and shall submit the report to the Board in compliance of the condition laid in paragraph 7.

Contd.....



- 9. That, *he (they) shall establish well equipped environmental laboratory with the facilities of system (s) of continuous monitoring of effluent (s), emission (s), ambient water quality (ies), ambient air quality (ies) and ambient noise level (s) and transferring them (monitoring results) to his (their) website (s) and to the email address (es) of the key persons of Jharkhand State Pollution Control Board; Central Pollution Control Board, Zonal Office, Kolkata and Ministry of Environment & Forests, Regional Office, Bhubaneswar with simultaneous displaying at prominent locations in front of the his (their) premises. [* Unit (s) of medium and large scale under 17 categories of polluting industries of category A of E I A Notification, 2006.]
- 10. That, he (they) shall submit applications for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and that under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days before the expiration of the consent i.e. 31.12.2011 or within 30 days from the date of receipt of this order, whichever is earlier.
- 11. That, he (they) shall submit the environmental statement every year by 30th September and shall harvest all rainwater precipitating in the premises and do three tier tree plantation as air barrier during the forthcoming monsoon.
- 12. That, he (they) shall submit AAQ, Stack(s) Monitoring Report and Noise level monitoring report within consent period.
- 13. That, he (they) shall monitor and submit the effluent analysis report within consent period.
- 14. That, he(they) shall implement rain water harvesting plan by May, 2011.
- 15. That, he(they) shall upgrade, maintain and operate ESP/bag filters installed at kiln/cooler discharge, product separation, transfer point, coal crusher etc to meet emission standard.
- 16. That, he (they) shall pay Cess under the Water (Prevention & Control of Pollution) Cess Act, 1977
- 17. That, he(they) shall operate ESP regularly.
- 18. That, he(they) shall interlock the production with pollution control equipment within consent period.
- 19. That, he(they) shall recycle its effluent(s) and ensure no discharge out side the premises all the time.
- 20. That, he(they) shall construct pucca road inside the factory and shall maintain good house keeping inside the factory campus within consent period.
- 21. That, he (they) shall raise the height of exhaust of D.G. Set & quality of emission & Noise level in conformity with the standard prescribed in EP Rule, 1986 as per Central Pollution Control Board norm.
- That, he(they) shall comply the direction given in Environmental Clearance issued by Ministry of Environment and Forest, New Delhi.

Sd/-

MEMBER SECRETARY

Memo. No. 4 810

Ranchi, Dated 4 14 1

Copy forwarded to: M/s. Tata Blue Scope Steel Ltd, At-Bara, P.O.-Agrico, Jamshedpur, East Singhbhum /Regional Officer, R.O.-Cum-Laboratory, Jamshedpur for information and necessary.

MEMBER SECRETARY





JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA; RANCHI 834004 Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref. No. PC/JSR/Air/T-64/11/... 4.3885

Ranchi, Dated 10.10.14

Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Reference:

Application (s) dated 19.09.2013 of M/s. Tata Blue Scope Steel Ltd., At – Bara, P.O. – Agrico, Jamshedpur, Dist. – East Singhbhum (occupier) for consent under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

2. Documents Relied Upon:

- (a) The content of Environmental Clearance (EC), Ref No. J-11011/271/2007-IA.II(I) Dated 24.08.2007 issued by MoEF, Govt. of India
- (b) The content of Consent-to-Establish (CTE), Ref No. 332 Ranchi, Dated 01.02.2007
- (c) The content of Consent-to-Operate (CTO), Ref No. G-810 Ranchi, Dated 04.04.2011
- (d) The content of Inspection Report (I/R), Ref No. 3780 Regional Officer, Regional Office-Cum-Laboratory, Jamshedpur, Dated 24.12.2013
- The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974
 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in
 At Bara, P.O. Agrico, Jamshedpur, Dist. East Singhbhum, as follows:

Project	Plot No.	Area	Investment	Product & Capacity	Period			
	- ×		(Rs)		From	То		
Before Expansion	At - Bara, P.O. – Agrico, Jamshedpur, Dist. – East Singhbhum		785.0 Crores	Metal Coated Steel Coils – 1,00,000 TPA and Painted Coils – 1,50,000 TPA	01.01.2014	31.12.2014		

(A) General Conditions:

- That, the occupier shall comply with all conditions of EC, Ref. No. J-11011/271/2007-IA.II(I) Dated 24.08.2007, CTE Ref. No. 332, Ranchi, Dated 01.02.2007 previous CTO, Ref. No. G-810 Ranchi, Dated 04.04.2011 shall submit report to this effect with supporting documents.
- i. That, the occupier shall maintain the ambient air quality within the standard given below:

SN	Parameter	Standard
L	Respirable Suspended Particulate Matter (24 hrs.)	100 μg/ Nm ³
Ţţ	Sulphur Dioxide (24 hrs.)	80 μg/ Nm ³
Ш	Oxides of Nitrogen (24 hrs.)	80 μg/ Nm ³



RI

Chandan General Specific New CTQ - JSR/96







iii. That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S. N.	Parameter	Standard
1	Particulate Matter	
		150 mg/ Nm ³

- iv. That, the occupier shall keep D G Set(s) within acoustic enclosure (s) and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.
- v. That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

SN	Parameter	Standard
1	Total Suspended Solids	100 mg/L
11	BOD	30 mg/L
111	COD	250 mg/ L
IV	Oil & Grease	10 mg/L

- vi. That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge.
- vii. That, the occupier shall create and maintain new water body (ies) / remove deposit(s) of existing water body(ies)/ nearby stream(s) and pond(s) and well(s) and shall maintain the wholesomeness of water.
- viii. That, the occupier shall dispose of solid wastes as follows:

SN	Waste Type	Mode of Disposal
1 -	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
U .	Hazardous Non-Carbonaceous Wastes	In TSDF
111	Non-carbonaceous non-hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

- ix. That, the occupier shall grow and maintain greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- That, the occupier shall submit environmental statement with supporting stochiometric calculations analyses reports, every year.
- xi. That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited laboratory in compliance of sub-para (ii), (iii), (v) and (viii) of general condition monthly/ quarterly/ six monthly/ annually.
- xii. That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules there under.

Chandan/General Specific New CTO - JSR/97

(B). Specific Conditions:

- That, the occupier shall install and operate systems for online monitoring of ambient air quality and stack emission and effluent quality with connectivity to Jharkhand State Pollution Control Board server.
- That, the occupier shall establish and operate well equipped environmental laboratory with facilities to monitor at least all regulatory parameters and duly accredited by NABL.
- iii. That, the occupier shall upgrade operate and maintain fume extraction system to control voc fumes and shall operate water scrubber in alkali & chromate section.
- iv. That, the occupier shall operate ETP regularly.
- v. That, the occupier shall operate & maintain incinerator for hazardous wastes.
- vi. That, the occupier shall interlock the production with pollution control equipment within consent period.
- vii. That, the occupier shall ensure no discharge outside the premises all the time.
- viii. That, the occupier shall construct pucca road inside the factory and shall maintain good house keeping inside the factory campus within consent period.
- ix. That, the occupier shall comply the directions given in Environment Clearance issued by Ministry of Environment and Forest, New Delhi.
- x. That, the occupier shall submit applications for renewal of consent under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent i.e. 31.12.2014, with requisite fee and documents showing compliance of all of the above conditions.
- This order shall be valid subject to all compliance(s)/statutory clearance (s) under all other applicable laws to the
 unit.

This is issued with the approval of the competent authority

SHI

[Dr Mahendra Mahto] Member Secretary

Memo No. PC/JSR/Air/T-64/11/...4:388J

Ranchi, Dated 10 101)

Copy to: M/s. Tata Blue Scope Steel Ltd., At – Bara, P.O. – Agrico, Jamshedpur, Dist. – East Singhbhum Regional Office-cum-Laboratory, Jamshedpur for information & necessary action.

[Dr Mahendra Mahto] Member Secretary

D

910.14

Chandan/General Specific New CTO - JSR/98



JHARKHAND STATE POLLUTION CONTROL BOARD REGIONAL OFFICE-CUM-LABORATORY FORM-2/See Rule 3 (C) and 5 (s)

FORM FOR GRANT OF AUTHORIZATION NOC OCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES.

Ref. No: - 2021

Dated - 20-7-11

- M/s Tata Blue Scope Steel Ltd hereby granted provisional authorization to operate a facility
 for collection, reception, treatment storage, transport and disposal of hazardous waste on the
 premises stipulated at- Bara, P.O.- Agrico, Jamshedpur, Dist- East Singhbhum.
- The authorization granted to operate a facility for collection, treatment storage and disposal of hazardous wastes.
- The authorization shall be in force for a period of 5 years with effect from date-24.03.2011
- The authorization in subject to the conditions stated below and such conditions as may be specified in the Rules for the time being force under the Environment (Protection) Act, 1986.
 - The authorization shall comply with the provisions of the Environment (P) Act. 1986 and the Rules made there under.
 - (ii) The authorization or its renewal shall be produced for inspection at the request of an office authorized by the State Pollution Control Board.
 - (iii) The person authorized shall not rent, sell, transfer or otherwise transport the hazardous waste(s) without obtaining prior permission of the State Pollution Control Board.
 - (iv) Any unauthorized change in personnel, equipment as working conditions as mentioned in the application by the person authorized shall constitute a break of his authorization.
 - (v) It is the duty of authorized person to take prior permission of the State Pollution Control Board to close down the facility.
 - (vi) An application for the renewal of an authorization shall be made as laid down in 5 (6) (II).
 - (vii) The quantities, categories and names of Hazardous Wastes generating processes shall be
 - submitted within one month.

 Hazardous Wastes shall be kept in secured landfill.
 - (ix) The unit shall maintain records of collection, Reception, Treatment, Storage & Disposal of H/W in form-3 and submit annual return in form-4 as per the rules.

This is being issued as per direction of competent authority contained in letter no-3117, dated-10.07.2004.

To,

M/s Tata Blue Scope Steel Ltd, At- Bara, P.O.- Agrico, Jamshedpur, Dist- East Singhbhum.

> Regional Officer Jamshedpur.

Will be examined by certifying surgeon within 14 days of first employment and thorse for in	
6 month general checkup and special check up for Eye	of c
every worker involved in in should be examined by M.O at least twice in every week and by certifying surgeon at least in three months.	ed b
6 month general checkup to assertion in the health status of all workers in respect of occupational health hazards to which they are exposed and in cases where in the opinion of factory medical officer it is necessary to do so in shorter interval in respect of any worker. b) The details of pre-employment and and periodical examination carried out as afforsaid shall be recorded in health register in form no 24 C) No person shall be employed for first time without a certificate of fitness in form no 33 granted by factory medical officer. d) Any finding of factory medical officer revelling any abnormality or unsuitability of any person employed in process shall immediately be reported to certifying surgeon who shall in turn, examine the concerned worker and communicate his finding to occupier within 30 days. If the certifying surgeon is of opinion that workers so examined is required to be taken away from process for health protection he will direct the occupier accordingly, who shall not employ the said worker in the same process. However the worker so taken away be provided with alternate placement unless he is fully incapicated, in opinion of the certifying surgeon, in which case the worker affected shall be suitabilitated. Provided that the certifying surgeon on his own may examine any worker when he considers it necessary to do so for ascertaining the suitability of his employment in the hazardous process of for ascertaining the health status of any worker. E) The workers taken away from employment in any process under sub rules may be employed again in same process only after obtaining the fitness certificate from certifying surgeon and after making entry to that effect in health register.	hea exy so i exy so i exy so i exy so i dica dica di isa d
Examination of Eye site and colour vision of certain workers such as crane, Locomotive, Fork lift, Payloaders, Dumpers or other outomobiles operator or locomotive operator or locomotive operators as well as workers involved in giving signal to crane or locomotive operator. As per Bihar / jharkhand factory rules 1) No person shall be employed to operate crane, Locomotive and forklift pay loader, Dumper or other outomobiles operator unless his eye sight and colour vision have been examined by qualified optholmoligist, approve by the inspector and declare fit to work whether or without the use of corrective glasses. The eye-sight and colour vision of person shall be employed to operate crane.	th nd e :
Will undergo Medical checkup once in 12 month.	l ch
Before Employment	Em
D	Details

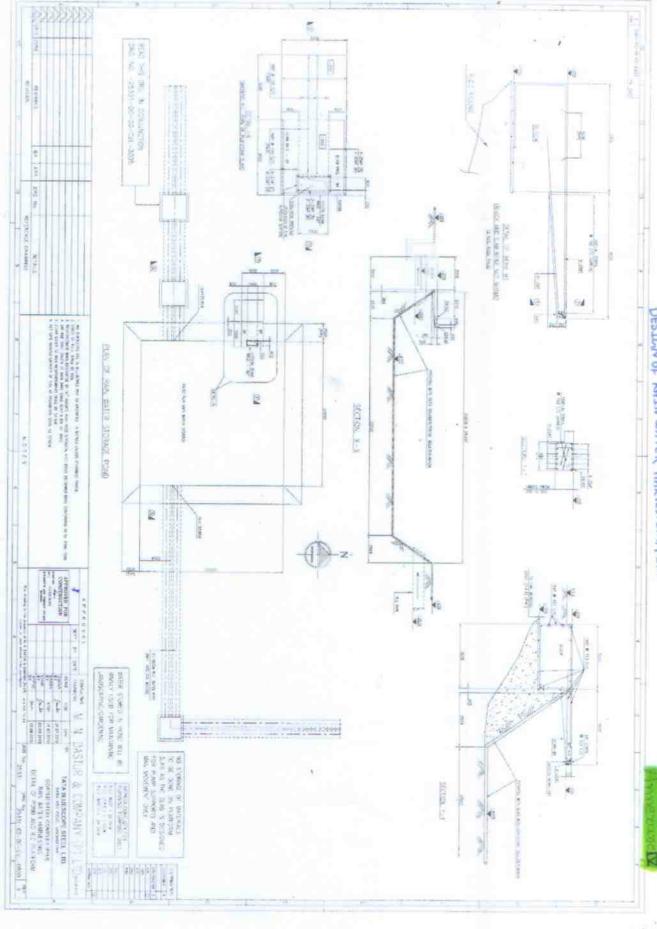
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			14 29-Nov. 13	13 29-Nov-13			10 24-Sep-13			7 25-Sep-13	6 24-Sep-13			3 29-Nov-13	2 24-Nov-13	1 29-Nov-13	SrNo Date of Medical Examination
20	Sitaram Yadav	Shyamal Ghosh	Hari Shankar Singh	Niranjan Patel	R.N. Chacraborty		Chandan Kumar	Anup Krmar Dey	Guddu Kumar Singh	Md Abaque Usmani	Hemant Kumar	Manoj Kumar Yadav		Sagan Kumar Sinha	Sadab Alam	Sunil Kumar Gupta	ical Name
Mala	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	SEX
20	29	49	49	41	56	37	23	24.	22	33	23	25	25	30	30	32	Age
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8.1	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	Wearing Glass or not
Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Nomial	Normal	Normal	Normal	Normal	Normal	Normal	Eye Sight
																	Chest
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Di Day Date	Fit For Duty			Fit For Duty	Fit For Duty	Fit For Duty	Fit For Duty	Fit For Duty	Fit For Duty	Fit For Duty	Fit For Duty	Fit For Duty	Fit For Duty	Fit For Duty	Fit For Duty	Fit For Duty	Remarks of

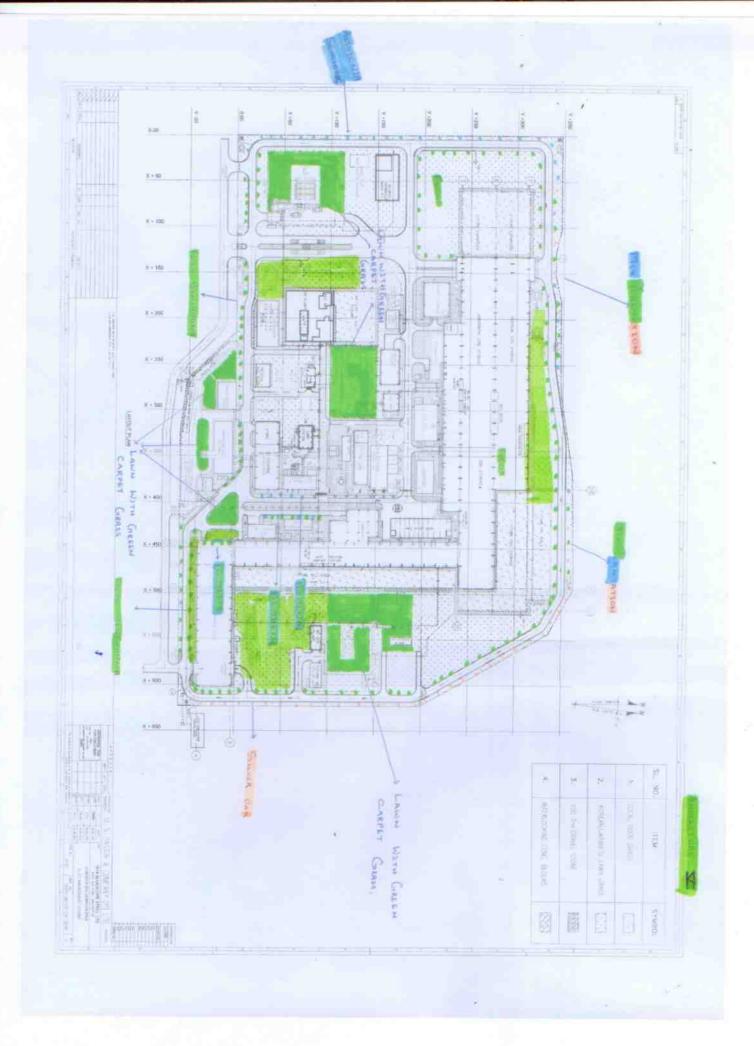
Annexure III A

Employee Name			Emp. No	Date of Examination	Depart.	Status
Dheerendra Singh Baghel	32	Male	1148	19.08.2013	CPL	Fit
Sagar Mukherjee	34	Male	1115	25.08.2013	CPL	Fit
Mohaniraj Jagannath Dhamak	33	Male	1094	25.08.2013	CPL	Fit
Ramesh Tudu	23	Male	1324	19.08.2013	CPL	Fit
MD. Tausif Shahab	27	Male	1349	25.08,2013	CPL	Fit
Manjeet Singh	32	Male	1392	19.08.2013	CPL	Fit
Debadatta Sahu	30	Male	1393	19.08.2013	CPL	Fit
Ravindra Deonandan Yadav	31	Male	1409	19.08.2013	CPL	Fit
Pawan Kumar Singh	25	Male	1207	19.08.2013	CPL	Fit
Ravi Upadhyay	24	Male	1209	25.08.2013	CPL	Fit
Tikechand Deep	28	Male	1248	19.08.2013	CPL	Fit
Bali H.Patil	24	Male	1462	02.09.2013	CPL	Fit
Ravikant	28	Male	1096	19.08.2013	CPL	Fit
Vinod B Shelar	27	Male -	969	19.08.2013	CPL	Fit
Amit Kumar Sinha	26	Male	1342	28.08.2013	MCL	Fit
Abhay Kumar	22	Male	1429	28.08.2013	MCL	Fit
Deepak Kumar Mishra	24	Male	1432	28.08.2013	MCL	Fit
Harsh Yadav	22	Male	1433	26.08.2013	MCL	Fit
Ashwani Kumar Sinha	23	Male	1434	26.08.2013	MCL	Fit
Kishan Lal Saini	28	Male	1301	28.08.2013	MCL	Fit
Karamvir Gulab Singh	34	Male	1341	28.08.2013	MCL	Fit
Satyendra Mishra	22	Male	1424	28.08.2013	MCL	Fit
Suman Seal	23	Male	1426	28.08.2013	MCL	Fit
Vikash Kumar Mahto	21	Male	1428	28.08.2013	MCL	Fit
Ramkhilawan Ramkrit Yadav	37	Male	1338	28.08.2013	MCL	Fit
K. Rajshekhar Rao	29	Male	1401	28.08.2013	MCL	Fit
Priyabrata Patra	23	Male	1427	28.08.2013	MCL	Fit
Prafulla Hiramanrao Takalkhede	26	Male	1413	28.08.2013	MCL	Fit
Amol Madhukar Rawte	28	Male	1244	28.08.2013	MCL	Fit
Gaurav Kumar Jha	28	Male	1249	01.09.2013	MCL	Ėit
Vikas Kumar	26	Male	1336	28.08.2013	MCL	Fit
Tejinder Pal Singh	23	Male	1377	28.08.2013	MCL	Fit
/ivek Kumar	26	Male	1234	28.08.2013	MCL	Fit
Susanta Kumar Mohanty	26	Male	1240	28.08.2013	MCL	Fit
ogesh Sharma	26	Male	1243	28.08.2013	MCL	Fit
alitesh .	30	Male	1189	01.09.2013	MCL	Fit
Malkit Singh	22	Male	1644	01.09.2013	MCL	Fit

Employee Name	Age	Sex	Emp. No	Date of Examination	Depart.	Status
Rupesh Kumar	22	Male	1431	28.08.2013	MCL	Fit
Johncy Mathew	43	Male	154	19.08.2013	MCL	Fit
Ranjan Singh	28	Male	1245	26.08.2013	MCL	Fit
Hemant Bhakuni	28	Male	1638	28.08.2013	MCL	Fit
Saurabh Khandelwal	30	Male	1251	28.08.2013	MCL	Fit
Ashish Ranjan	28	Male	1628	01.09. 2013	CPL	Fit
Prakash Vishwakarma	30	Male	1640	15.08.2013	CPL	Fit
Sudhir Kumar	23	Male	1673	15.08.2013	CPL	Fit
Kislay Kishore	26	Male	1178	25.08.2013	CPL	Fita
Mahesh Mishra	26	Male	1580	01.09. 2013	CPL	Fit
Amit Nakatu Mate	27	Male	1493	19.08.2013	CPL	Fit
Gaurav Agrawal	31	Male	1142	01.09. 2013	CPL	Fit
Mukesh Kumar Tiwary	23	Male	1425	01.09.2013	MCL	Fit
Shristidhar Mahto	25	Male	1414	28.08.2013	MCL	Fit



DESTIGN OF RAIN WATER HARVESTING PLAN



Month & year	Work details Manual and Area of work	Plantation and lawn preparation Details	No of Plants & srubs	Expenses amount Rs
October–2010 to December 2010	Work started from 3 rd October 2010. Total working days:-70 No. of labors:-20 Work soil labeling and trench making around Admin and Canteen Building. Supply of good earth (27457.676 CFT) and Supply of Manure (7 trucks)			We s
	All Around plant at different place.	Fichus Benjamin	36	1440
		Bismarck	30	1200
		Shrubs	383	20956
		Ground cover	262	4800
		Golden Doranda	783	1570
		Lavenders .	32	3320
		Plumbaria Alba	5	240
1.00		Calendar	- 30	375
Take 1		Alistonia Scholaris	20	1500
		Plumeria Rubra	4	225
		Silver oak	15	1125
		Total	1600	36751
	Area	Lawn	Area in Sqre Meter	Expense
	Near Admin Building and Canteen Building	Kalunchu	2.5	100
	Near canteen Building and Canteen Building	Korean Carpet Grass	36	4000
	Near L.P.G. Fencing area	Green grass lawn	4100	264200
The Walter Control	Hydrogen plant inside fencing area	Green grass Lawn	568.712	35260.144
	Nitrogen plant Inside fencing area	green grass Lawn	1483	91946
	Out side LPG	Green Grass Lawn	990.75	61380
	Lunch room Area	Green grass Lawn	1208.56	74896
	North side of chemical store	Green grass Lawn	3987	247194
	LBss north east Corner	Green grass Lawn	248.015	15376
	Out side H2 and N2 plant area	Green grass Lawn	6116.995	379253
	DG surrounding area	Green grass Lawn	106.38	6572
	Total		18845	1180177
	Cost of Good Earth and manure			305000
11	GRAND TOTAL			1521928

Total No of Plants and Shrubs Planted during period October 2010 to December 2010 was 1610 and expense amount was Rs. 36751Total area of lawn in Sq. mtr was 18845 and expense amount was Rs. 1180177 Cost of good earth and manure was Rs. 305000 Total Amount of expense was Rs. 1521928

January 2011 to March2011	Total No of working Days 62	Cost of good Earth and Manure	Vii.	305000
	No of labors 20	Caussia fistula	13	520
		Arocaria	1	40
		Erythrina Varigata	13	520
		Minusops Elengi	13	806
		Chorisia Speciosa	10	400
		Ficus Panda	1	40
)E	X	Cledendron inerme (Shrubs)	1000	6200
		Ribbon Grass	250	15500
		China Palm	25	1000
		Golden Doranda	500	20000
		Ficus King Bush	4	300
				-
		Lavendra (Ground coveres)	50	3100
		kalachu	50	3100
		cuphea	25	1875
		ficus panda	1	75
		Bismarika nobolis	3	225
		Ficus Benjamina	50	2000
		Bottle Palm	18	1350
		GRAND TOTAL	2027	362051
Total Number of Plants, Groun	d coverers and Shrubs planted during Janua		expense was Rs. 3	62051
		ary to March 2011 was 2027 and amount		
Total Number of Plants, Groun	Total no of working days 47	ary to March 2011 was 2027 and amount	46	3425
		Gulmohar Champa	46	3425 2000
	Total no of working days 47	Gulmohar Champa Bottle Palm	46 77 50	3425 2000 975
	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke	46 77 50 13	3425 2000 975 975
	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia	46 77 50 13	3425 2000 975 975
	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa	46 77 50 13 13 75	3425 2000 975 975 975 1900
	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia	46 77 50 13 13 75 61	3425 2000 975 975 975 1900 3782
	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina	46 77 50 13 13 75 61	3425 2000 975 975 975 1900 3782 2400
	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan	46 77 50 13 13 75 61 70	3425 2000 975 975 975 1900 3782 2400 2800
	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan Cassiafis Tula	46 77 50 13 13 75 61 70 61	3425 2000 975 975 975 1900 3782 2400 2800 4575
	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan Cassiafis Tula Cledendron Inerme	46 77 50 13 13 75 61 70 61 13	3425 2000 975 975 975 1900 3782 2400 2800 4575 806
April to 15 June 2011	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan Cassiafis Tula Cledendron Inerme Elentina Red	46 77 50 13 13 75 61 70 61 13 100	3425 2000 975 975 975 1900 3782 2400 2800 4575 806
	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan Cassiafis Tula Cledendron Inerme Elentina Red Golden Bamboo	46 77 50 13 13 75 61 70 61 13 100	3425 2000 975 975 975 1900 3782 2400 2800 4575 806 4000 6200
April to 15 June 2011	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan Cassiafis Tula Cledendron Inerme Elentina Red	46 77 50 13 13 75 61 70 61 13 100	3425 2000 975 975 975 1900 3782 2400 4575 806 4000 6200
April to 15 June 2011	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan Cassiafis Tula Cledendron Inerme Elentina Red Golden Bamboo	46 77 50 13 13 75 61 70 61 13 100 100 100 250 939	3425 2000 975 975 975 1900 3782 2400 2800 4575 806 4000 6200
April to 15 June 2011	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan Cassiafis Tula Cledendron Inerme Elentina Red Golden Bamboo Murraya paniculata Grand Total Lawn	46 77 50 13 13 75 61 70 61 13 100 100 100	3425 2000 975 975 975 1900 3782 2400
April to 15 June 2011	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan Cassiafis Tula Cledendron Inerme Elentina Red Golden Bamboo Murraya paniculata Grand Total Lawn Ground Coverers 65	46 77 50 13 13 75 61 70 61 13 100 100 100 250 939 Area in Square Meter	3425 2000 975 975 975 1900 3782 2400 2800 4575 806 4000 6200 41013
April to 15 June 2011	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan Cassiafis Tula Cledendron Inerme Elentina Red Golden Bamboo Murraya paniculata Grand Total Lawn Ground Coverers Grass Koren carpet	46 77 50 13 13 75 61 70 61 13 100 100 100 250 939 Area in Square Meter	3425 2000 975 975 975 1900 3782 2400 2800 4575 806 4000 6200 41013
April to 15 June 2011	Total no of working days 47	Gulmohar Champa Bottle Palm Silver Oke LangesttrmiaFlosergia Champa Elistonia Ficus Benjamina Phonick Pan Cassiafis Tula Cledendron Inerme Elentina Red Golden Bamboo Murraya paniculata Grand Total Lawn Ground Coverers 65	46 77 50 13 13 75 61 70 61 13 100 100 100 250 939 Area in Square Meter	3425 2000 975 975 975 1900 3782 2400 2800 4575 806 4000 6200 41013

Total No of Plants and Shrubs Planted during period April 2011 to 15th June 2011 was 939 and expence amount was Rs. 41013
Total area of lawn in Sq. mtr was 3181 and expense amount was Rs 383968 Cost of good earth and manure was Rs. 302000
Total Amount of expense was Rs. 726981

		Fichus Benjamin	36	144
		Bismarck	30	120
		Shrubs	383	209
		Ground cover	262	480
		Lavenders,	32	333
		Golden Doranda	783	157
		Plumbaria Alba	5	24
		Calendar	30	3
		Alistonia Scholaris	20	150
		Ficus Benjamina	70	240
	Total no of washing days 40	Silver oak	15	112
	Total no of working days 42 Total no of labours 24	Gulmohar	46	342
	Total flo of labours 24	Champa Colden Rember	77	200
		Golden Bamboo	10	620
		Murraya paniculata	250	620
Total No of Plante, Charles and	I Ground coverers planted during October'2010 to Sep	Total		5675
	5q. Mtr is 22026 and amount expend is Rs. 1564145 C Belt in TATA BLUESCOPE STEEL, Bara Plant is Rs. 1			mpany
From October to December 2011	Total no of working days 75, Total no of labours 7		Cost of maintaining I plantation was Rs 29	awn and
From January12 to March12	Total no of working days 75, Total no of labours9		Cost of maintaining lawn and plantation was Rs 302600	
Total Cost of Maintaining plan During period from Oct-2011	nts ,Shrubs ,Ground coverers and Lawn was RS 58 to March-2012.	92600 and it was paid to auti	horized vendors of c	ompany.
From April 12 to June 2012	Total no of working days 70 ,total no of labours 11		Cost of maintaining I plantation wasRs 30	
from July 2012 to Sept 2012	Total no of working days 73 ,total no of labours 11		Cost of maintaining I	
Total Cost of Maintaining plants period from APRIL 2012 to Sept	,Shrubs ,Ground coverers and Lawn was RS 605200 t 2012.	00 and it was paid to authorize	d vendors of company	. During
From Oct 12 to Dec 2012	Total no of working days 65 ,total no of labours 12		Cost of maintaining la plantation wasRs 32	
	Total no of working days 73 ,total no of labours 12		Cost of maintaning lawn and plantation wasRs 316854	
rom Jan 13 to Mar 13				
otal Cost of Maintaining plan	hts ,Shrubs ,Ground coverers and Lawn was RS 64 to Mar 2013	42699 and it was paid to auti	norized vendors of c	ompany.
rom Jan 13 to Mar 13 Fotal Cost of Maintaining plan During period from Oct 2012 to rom April-13 to Sep-13	to Mar 2013.	- 1	Cost of maintaining la	awn and
Fotal Cost of Maintaining plan During period from Oct 2012 to rom April-13 to Sep-13 Fotal 235 plants and Shrubs P Cost of Maintaining plants ,Sh	Total no of working days 154 ,total no of labours 05 Planted during period April 2013 to Sep-13,out of 2 prubs ,Ground coverers and Lawn was RS 478932	235,135 Plants donated by fo	Cost of maintaining la plantation was Rs 47	awn and 9822
Total Cost of Maintaining plan During period from Oct 2012 to rom April-13 to Sep-13 Total 235 plants and Shrubs P Cost of Maintaining plants ,Sheriod from April to 2013 to Se	Total no of working days 154 ,total no of labours 05 Planted during period April 2013 to Sep-13,out of 2 prubs ,Ground coverers and Lawn was RS 478932	235,135 Plants donated by fo	Cost of maintaining la plantation was Rs 47 rest department and d vendors of compa Cost of maintaining la	awn and 9822 I total iny. Durin
Total Cost of Maintaining plan During period from Oct 2012 to rom April-13 to Sep-13 Total 235 plants and Shrubs P	Total no of working days 154 ,total no of labours 05 Planted during period April 2013 to Sep-13,out of 2 rrubs ,Ground coverers and Lawn was RS 478932 ep-2013.	235,135 Plants donated by fo	Cost of maintaining la plantation was Rs 47 rest department and vendors of compa Cost of maintaining la plantation was Rs 24 Cost of maintaining la	awn and 9822 I total my. Durin awn and 9325 awn and
Total Cost of Maintaining plan During period from Oct 2012 to rom April-13 to Sep-13 Total 235 plants and Shrubs P Cost of Maintaining plants ,Sheriod from April to 2013 to September 13 to Dec 2013 Trom Oct 13 to Dec 2013 Trom Jan 14 to Mar 14 Total 120 plants and shrubs p	Total no of working days 154 ,total no of labours 05 Planted during period April 2013 to Sep-13,out of 2 trubs ,Ground coverers and Lawn was RS 478932 ep-2013. Total no of working days 70 ,total no of labours 06	235,135 Plants donated by fo and it was paid to authorize	Cost of maintaining la plantation was Rs 47 rest department and vendors of compartment and vendors of maintaining la plantation was Rs 24 Cost of maintaining la plantation was Rs 25 Shrubs, Ground cov	awn and 9822 I total iny. Durin awn and 9325 awn and 5295
otal Cost of Maintaining plan during period from Oct 2012 to rom April-13 to Sep-13 otal 235 plants and Shrubs P cost of Maintaining plants ,Sheriod from April to 2013 to So rom Oct 13 to Dec 2013 rom Jan 14 to Mar 14 otal 120 plants and shrubs p	Total no of working days 154 ,total no of labours 05 Planted during period April 2013 to Sep-13,out of 2 nrubs ,Ground coverers and Lawn was RS 478932 ep-2013. Total no of working days 70 ,total no of labours 06 Total no of working days 73 ,total no of labours 06 lanted during period Oct-13 to March-14 and total	235,135 Plants donated by fo and it was paid to authorize	Cost of maintaining la plantation was Rs 47 rest department and vendors of compartment and vendors of maintaining la plantation was Rs 24 Cost of maintaining la plantation was Rs 25 Shrubs, Ground cov	awn and 9822 I total awn and 9325 awn and 5295 erers and

CSR of Tata BlueScope Steel .

Annexure-vi

Since the inauguration of our plant was on 06.03.12 (about only 2.6 year back) we have started the CSR activities in a very humble manner. Some of the activities are mentioned below:

- Local vendors are encouraged to get contractual Job at our site such as housekeeping, canteen
 etc.
- Blood donation camp on was organised in the Premises and 177 unit blood donated to Red Cross Society.
- 3. We have provided drinking water tank on the occasion of Ram Navami and Durga Puja at Sidhgora
- 4. Cleaning of Chhath Puja Ghat at Bhuyandih Basti on the occasion of Chhath Puja

State, the impalications of our right with our school in the state of green pays the turks where take

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Summary of CREP (Corporate Responsibility for Environment Conservation) activity done so far and proposed to do in future.

Since the inauguration of our plant was on 06.03.12 (about only 2.6 year back), CREP activity are in progress. Some of the compliance which has been completed so far and proposed to do in future is as below mention.

Compliance of CREP Recommendations for iron and steel Plant

SL No	CREP GUIDELINES	ACTION PLANNED
1 Sup	Fugitive emissions from material handling, conveying and screening operations shall be evacuated in closed systems and extracted by Fabric filters or ESPs or equally effective methods	N/A
2	Pollution control systems shall be operated as an integral part of production to ensure minimum emissions. Timely evacuation of dust (from Dust catchers, ESPs, Bag filter hoppers etc.) shall be routinely organized.	N/A
3	Fugitive emissions shall be controlled by controlled wetting and /or by the use of crust formers.	The plants design includes fume extractor; fumes are burnt in the incinerator before it goes to air through stacks. Gaseous emission from MCL is design as per MoEF standard. Fume extraction system is design for solvent vapors incineration, water scrubber system is implemented for alkaline substances. Fugitive emission is anticipated as nil
4	Flue dust, collected within the dust catchers shall be evacuated using closed vessels or employing equally effective methods to minimize fugitive dust.	N/A
5	Cooling water shall be recycled and reused	Two no. of Water cooling towers has been installed and waste water treatment plant has been installed. Water is recycling and reused. Close Circuit Cooling water scheme implemented WWTP implemented at site. Design of Water system and ETP takes care of all the norms.

6	Domestic discharges which are not reused, shall meet outfall, only after conforming to the specified effluent discharge standards.	N/A
7	The areas where high noise levels persist continuously for a significant period of time like Furnace area, Gas Cleaning Plant area, etc. shall be earmarked as High Noise Zone areas and accordingly it shall be displayed at appropriate places for warning employees. Through Integrated Maintenance Management system, necessary care shall be taken to minimize the noise at these areas.	In MCL Zinc pot area has been earmarked as high noise zone area and it has been displayed there. All the person working there has been provided with ear muff /ear plug. Acoustics enclosure for DG set and Air Compressor done.
8	Employees who are continuously exposed to high noise levels shall be provided with earplugs or earmuffs.	All the persons working at high noise level have been provided ear muff /ear plug.
9	Appropriate measures shall be taken, so that employees are not getting exposed to higher noise levels for a significant period of time.	Being complied.
10	Noise levels at various areas of the plant shall be regularly monitored and reviewed	Included in EMP. Regular monitoring will be done and reported accordingly. All equipments area design in accordance with EPA rules for control of noise levels.
11	Areas where continuous exposure cannot be avoided, necessary care shall be taken to insulate them from the surroundings.	Being complied
12	All efforts shall be made to minimize the generation of wastes and maximize its effective utilization	Included in EMP, Waste water treatment plant has been installed.
13	Wherever it becomes unavoidable, except resorting to option of dumping, in such cases, the wastes shall be disposed under controlled conditions.	Included in EMP. SLF has been installed. Incinerator installed.
14	All the wastes from the pollution control systems or treatment units shall be reused or recycled to the extent possible.	Included in EMP. Waste water treatment plant has been installed & after treatment water is being used for gardening.
15	Disposal of wastes shall be done in such away that the pressure on land and subsequent land contamination shall be minimum.	Included in EMP. No open dumping on land. SLF has been installed. Incinerator has been installed.

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