Date: 08.02.2014

Additional Director (IA)
Ministry of Environment & Forests,
Paryavaran Bhavan,
CGO Complex, Lodhi Road,
New Delhi – 11003

Sub: Compliance Status Report
Ref.: Environmental Clearance no. J-11011/827/2007-IA-II (I) dated 05.02.2008

Dear Sir,

We have been granted environmental clearance for our project of Steel Plant at Plot No. C – 1, MIDC Lonand, Taluka - Khandala, District – Satara, State - Maharashtra, Pin – 415 521 by Ministry of Environment & Forest, Government of India (vide letter no. J-11011/827/2007-IA-II (I) dated 05.02.2008). As per the conditions of the environmental clearance granted by Ministry we are submitting herewith the 6 monthly compliance status reports for the period of **June 2013 – Nov. 2013.**

We hope the above is to your satisfaction.

Thanking You,

Yours faithfully
For Sona Alloys Pvt. Ltd.

P. Medsingpatil
(GM HR & Admin)

Copy to:
1. The CCF, Regional Office, Western Region, "Kendriya Paryavaran Bhavan" Link Road No, 3, Raishankar Nagar, Bhopal – 462 016 (M. P.)
2. The Chairman, Maharashtra Pollution Control Board, Mumbai 400 001
3. Regional officer, Maharashtra Pollution Control Board, Pune.
4. Sub-Regional officer, Maharashtra Pollution Control Board, Satara.

Compliance Status Report

Environmental Clearance no. J-11011/827/2007-IA-II(I) dated 05.02.2008 issued by Ministry of Environment & Forests, New Delhi

A. SPECIFIC CONDITIONS:

i) The project authority shall ensure transportation of raw materials by rail transport only.

- Yes, major raw material required is transported through rail transport only.

ii) Project authorities shall install on-line stack monitoring facilities and air pollution control equipments shall be installed with all emission sources to keep emission levels below 100 mg/Nm^3. interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.

- Yes we have installed on-line stack monitoring system to our all stacks, and application was also given to SRO MPCB, Satara to provide I/P address to connect system to MPCB web site, which is provided and the job going on. The details of ESP's & de-dusting systems procured to keep emission levels below 100 mg/Nm^3 are as under :

  I

  i. Blast Furnace:
  - Gas cleaning plant bag filter capacity: 90000 Cu. M / Hr.
  - Cast house dedusting unit: 200000 Cu. M / Hr.
  - Stock house dedusting unit: 200000 Cu. M / Hr.

  ii. Sinter Plant:
  - Head ESP total fume creating capacity: 210000 Cu. M / Hr.
  - Tail ESP total fume creating capacity: 210000 Cu. M / Hr.
  - Dust removal efficiency of head and tail ESP:>98%
  - Fuel crushing dust collection unit:9000 Cu. M / Hr.
  - Flux crushing dust collection unit:17800 Cu. M / Hr.
  - Flux screening dust collection unit: 26700 Cu. M / Hr3.

iii) The gaseous emission 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 location. At no time, the emission levels shall go beyond the prescribed standards.

- We have provided Air Pollution Control System so that gaseous emission norms as specified under EP Act/ Consent to operate granted by MPCB are met. Our Sub-Regional Officer Maharashtra SPCB is doing regular monthly monitoring at our plant. Reports are enclosed as **Annexure-I**

iv) Secondary fugitive emissions from blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the Ministry. Guidelines / Code of Practice issued by the CPCB shall be followed.

- There is no secondary fugitive emission.

v) All the slag (400 TPD) generated from blast furnace shall be granulated and provided to the cement manufacturers for further utilization. Iron Ore fines (1500 TPD) and coke fines (400 TPD) shall be 100% recycled in sintering process. Hazardous Waste used oil (100 TPA) and furnace oil sludge (100 TPA) shall be sold to CPCB approved recyclers. ETP sludge (150 TPA) shall be disposed off to CHWTSDF, Pune. The company shall submit the membership of CHWTSDF to the Ministry's Regional Office within 3 months.

-
  - We are granulating the slag in to slag granulation plant to sale to cement industry.
  - We are using Coke fines & Iron ore fines in sinter plant
  - Yes the hazardous waste (used oil / furnace oil sludge) is sale to CPCB approved recycler only.
  - ETP sludge will be disposed off through Maharashtra Environ Power Ltd.,

Copy of Membership Certificate enclosed as **Annexure – II**

vi) The company shall submit a complete solid waste management plan for disposal of various solid & hazardous waste generated from the plant to the Ministry's Regional Office within 3 months.

- Solid Waste Management Plan enclosed as **Annexure – III**

vii) Green Belt shall be developed in 33% area with adequate width and density to mitigate the effects of fugitive emissions in and around the plant as per the CPCB guidelines in consultation with DFO.

- Yes, we have selected and planted local evergreen species having large foliage / canopy cover, in 50 acres area, of plant premises. Also we make fresh plantation in the month of June each year.

viii) All the recommendations made in the Charter Corporate Responsibility for Environment Protection (CREP) for the steel sector shall be strictly implemented.

- The Recommendations made in the Charter Corporate Responsibility for Environment Protection (CREP) for the steel sector are strictly implemented. (**Annexure – IV)**

ix) The project authorities shall make efforts to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted to Ministry's Regional Office at Bhopal.

- During construction phase following measures were taken to reduce Dust/RSPM emission:
  - Dust Control systems were provided at the points of dust generation.
  - Provision of Dust Covers to all the construction vehicles
  - Dust Masks were provided to workers
  - Prevented Idling of Trucks through Supply Chain Management
  - Separate Entry and Exits for Trucks

Measures to reduce Dust/RSPM emission during operation phase as under:

- Water sprinkling/spraying near raw material storage/handling/transfer areas
- Hoods to collect the dust emitted –connected to Bag Filters
- All transfer points of raw materials are enclosed & connected to de-dusting units.
- Provided Head & Tail ESP's in Sinter Plant

x) All the treated wastewater shall be recycled and reused and as far as possible Zero effluent discharge shall be ensured.

- Yes all the waste water is treated and reused for dust suppression & gardening purpose. We are trying to achieve zero discharge.

xi) Proper utilization of fly ash shall be ensured as per Fly ash Notification, 1999 and subsequent amendment in 2003.

- Not applicable, as Blast Furnace gas is utilized hence no generation of Fly ash.

xii) The water requirement shall not exceed 6000 KLD and shall be met through MIDC. No ground water shall be drawn for the plant.

- Yes, total water requirement is not exceeding limit of 6000 KLD and meet through MIDC & recycled water. No ground water will be used in process.

xiii) 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.

- Yes we have constructed the rain water harvesting pit.

xiv) Occupational Health Surveillance of the workers shall be done on regular basis and records maintained as per Factories Act. The company shall install CO detectors to detect leakage of CO from Blast Furnace. Cardiopulmonary

Resuscitation facilities and mediated Oxygen cylinder facilities shall be provided.

- Above all conditions are complied.

B. GENERAL CONDITIONS:

i) The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board (MPCB) and the State Government.

- Agreed.

ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.

- Agreed.

iii) At least four ambient air quality monitoring stations shall be established in the downward wind direction as well as where maximum ground level concentration of SPM, SO_2 and NOx are anticipated in consultation with SPCB. Data on ambient air quality & stack emission should be regularly submitted to this Ministry including its Regional Office at Bhopal and the SPCB / CPCB once in six months.

- Yes, We have installed of two numbers of CAAQMS, at our plant as per location identified by committee of Mharashtra SPCB, and now connected through server MPCB. **Annexure-I**

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.

- Yes all the wastewater is being treated to meet the standards stipulated by the MPCB & being used for dust suppression & gardening.

v) The overall noise levels in and around the plant area shall be kept well within

the standards (85 dBA) b 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 (night time).

- Following measures are taken to keep the noise levels within the stipulated limits
  - Buffer in form of Green Belt all around the Factory
  - Smooth Flow of Traffic – separate Entry/Exits, Use of Railways etc
  - Enclosures on Equipment (DG set/Turbine etc)
  - Preventive Maintenance
  - Personnel Protection Equipments for Workers, Periodic Audiometric Testing
  - Vibration Dampening/Control

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.

- Educational programs: Development/ up-gradation of school/facilities/ furniture/fixtures, plans would be established/Industrial training Institute nearby so that local employment will be boosted.
- Health care: Undertaking medical camps in nearby villages, supporting local primary health facilities. Extending company Medical aid facilities to nearby villages for emergencies.
- Promoting employment: Job oriented courses to increase awareness of populace on employment opportunities
- Socio-economic development Plan **(Annexure – V)**

vii) The fund earmarked towards the capital cost and recurring cost / annum for

environmental pollution control measures shall be judiciously utilized to implement the conditions stipulated by the Ministry of Environment & Forests as well as the state Government. The fund so provided shall not be diverted for any other purpose.

- Yes, Agreed –Till date a total amount of Rs. 24 Crores has been spent on providing Environmental Protection Measures.

viii) The Regional Office of this Ministry / CPCB / SPCB will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.

- Yes, regularly compliance report are being sent

ix) The Project Proponent shall inform the public hat the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry of Environment & Forests at http://envfor.nic.in. this shall be advertised within seven days from the date of receipt of the clearance letter, at least in two 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.

- Copy of advertisement enclosed as **Annexure - VI**

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.

- Date of Financial Closure : 28.02.2008

  Date of approval from Ministry of Commerce & Industry : 04.06.2007

  Date of commencement of land development : 11.02.2008

MAHARASHTRA
ENVIRO POWER LTD

This is to certify that: ***M/S. SONA ALLOYS PVT LTD.***
Address: ***Plot No. C – 1, MIDC Lonand, Satara – 415521.*** *is a Valid member of CHWTSDF (As per MOU with MIDC & MPCB), at Plot No. P-56, Ranjangaon MIDC, Taluka – Shirur, Pune - 412 220.*

Membership No. : MEPL/CPS050

Membership Period: ***02 July 2013*** *to* ***01 July 2018***

For Maharashtra Enviro Power Ltd.

Authorized signatory

Maharashtra Enviro Power Ltd. MEPL Pune

Sonali

Marketing Coordinator

SOLID WASTE/NON-HAZARDOUS WASTE DETAILS

1.0 Sources :

Details of Solid waste generated and its type in Phase –I are as below :

- Iron ore fines
- Coke fines
- Waste collected from de-dusting system, Fume extraction system, bag filters, etc.
- Blast furnace dry slag
- Granulated slag
- Cast house scrap
- Used refractories
- Plant maintenance scrap

The estimated quantity of solid waste and its management plan for the above generated waste is given in **Table.**

Table

Solid Waste Management

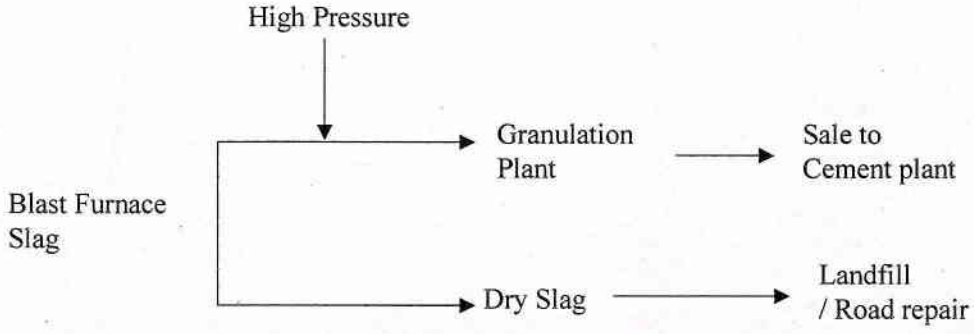
Sr. No.	Unit / Waste Material	Amount of Generation Tpa	Usage / Disposal
1.	Sinter Plant		
	a) Main exhaust system: ESP Dust	6000	Recycled in Sinter Plant
	b) Sinter Cooler exhaust system : Iron Dust	2400	Recycled in Sinter Plant
2.	Blast Furnace		
	a) Raw materials		
	i.) Ore fines	5000	Recycled in Sinter Plant
	ii.) Coke fines	1500	Recycled in Sinter Plant
	b) Stock house de-dusting system – Dust	800	Recycled in Sinter Plant
	c) Cast house fume extraction system – dust	250	Recycled in Sinter Plant
	d) BFG dust catcher – dust	3800	Recycled in Sinter Plant
	e) GCP bag filters – dust	1250	Recycled in Sinter Plant

	f) Granulated Slag	91900	Sold for cement plant
	g) BF Dry slag	4850	For landfill and road repairs inside the plant
	h) Cast House Scrap	1685	To be sold for secondary usage
	i) Cast house muck	500	Dumped inside the plant for landfill
	j) PCM scrap	1000	To be sold for secondary usage.
	k) Lime sludge	100	To be sold for secondary usage

	Solid waste	Quantity	Percentage
1	Recycled within the plant	7600 T	(3.87 %)
2	Sold to various authorized users	93,865T	(43.98 %)
3	Landfill, road repair & dumping	5350 T	(2.51%)
	Total	**106815 T**	

2.0 Slag disposal methods :

2.1 Slag from Blast Furnace :



'दाभोळ'पर्यंत मार्चपर्यंत वीजनिर्मिती सुरू करणार

सुशीलकुमार शिंदे : तिसऱ्या टप्प्याबाबत लवकरच चर्चा

सकाळ न्यूज नेटवर्क

नवी दिल्ली, दि. ७ : [illegible] बहुतांश अडचणी दूर झाल्या [illegible] निर्मिती क्षमतेची [illegible] प्रकल्पातून पूर्ण [illegible] सरकार प्रयत्नशील [illegible] सुशीलकुमार शिंदे यांनी आज दिली. [illegible] तिसरा टप्पा सुरू करण्याबाबत लवकरच चर्चा सुरू होईल, असेही ते म्हणाले.

देशात सध्या ७० हजार मेगावॉट विजेचा तुटवडा जाणवत असल्याने ही आगामी काळात [illegible] करण्यात यश येईल व स्वस्त दरात [illegible] केंद्र सरकार पूर्ण करेल, असेही [illegible] परिषदेत सांगितले. ते म्हणाले, "दाभोळ प्रकल्पाची यंत्रसामग्री जुनी झाल्याने अनेक [illegible] आहेत. मात्र त्यावर मात करून हा तीन टप्प्यांचा प्रकल्प पूर्ण क्षमतेने कार्यान्वित करण्याचा [illegible] आहे. त्याची निर्मितीक्षमता पाच हजार मेगावॉटपर्यंत वाढविण्याचा निर्णय झाला आहे. बंद असलेला टप्पा मार्चअखेरपर्यंत सुरू झाल्यावर आणखी सहाशतरो मेगावॉट वीज उपलब्ध होईल."

राजीव गांधी ग्रामीण विद्युतीकरण योजनेतंर्गत २००९ पर्यंत देशातील एक लाख ३५ हजार गावांत वीज पोचविण्याचे सरकारने ठरविले असल्याचे सांगून ते म्हणाले, की जानेवारी २००८ पर्यंत त्यातील ४५ हजार ६०२ गावांत वीज पोचली आहे, तर आणखी २५ हजार गावांतील विद्युतीकरणाचे काम प्रगतिपथावर आहे. १४ राज्यांतील ७३ हजार ४२२ गावांतही हे काम सुरू असून, यासाठी संबंधित गावाच्या लोकसंख्येचा निकष ३०० वरून १०० वर आणण्यात आला आहे. या योजनेत सीमावर्ती भागातील, तसेच डोंगराळ भागातील राज्यांना प्राधान्य देण्यात आले आहे.

देशाची सध्याची वीजनिर्मिती क्षमता एक लाख ४० हजार ३०० मेगावॉट आहे. यापूर्वीच्या आठव्या, नवव्या व दहाव्या योजनांत मिळून हे प्रमाण ५६ हजार ७२२ होते. अकराव्या योजनेतील ६० हजार २१४ मेगावॉटच्या उद्दिष्टांपैकी सात हजार २६३ मेगावॉट निर्मितीचे उद्दिष्ट यापूर्वीच साध्य झाले आहे. केंद्राच्या कलविद्युत खोऱ्यांतर्गत खासगी क्षेत्राच्या सहकार्यातून अनेक ठिकाणी वीजनिर्मिती सुरू करण्यात आली आहे. तसेच 'अल्ट्रा मेगा प्रोजेक्ट'अंतर्गत वीजनिर्मिती क्षमतेत वाढ होण्यासाठी केंद्र सरकार प्रयत्नशील आहे. अतिरिक्त वीजनिर्मिती मागणी करणाऱ्या राज्यांत तज्ज्ञांची पथके पाठवून त्यानुसार कार्यवाही करण्यात येईल, अशीही माहिती शिंदे यांनी दिली.

लवकरच इंधनाचा पुरवठा सुरू होणार असल्याने विजेच्या मागणीत वाढ होईल, असा अंदाज आहे. या काळात विजेचा तुटवडा भासू नये, यासाठी हा या प्रकल्पातून निर्माण होणारी वीज वरदान ठरणार आहे. या प्रकल्पासमोरील मुख्य अडचण इंधनाची होती. ती दूर झाल्यामुळे आता प्रकल्प कार्यान्वित होण्यात कसलाही अडथळा राहिलेला नाही.

अशी माहिती संयोजक अध्यक्ष टी. भट्टाचारजी, स्नेहा पित्रे, प्रतिभा अटेरकर यांनी आज पत्रकार परिषदेत दिली. 'परिचर्याची सध्याची स्थिती आणि वेगवेगळ्या संधी' या विषयावर ही परिषद होणार आहे. या परिषदेला राज्यभरातून परिचारिका उपस्थित राहणार आहेत.

4/2/2008

CORPORATE RESPONSIBILITY
INTEGRATED IRON & STEEL INDUSTRY

1. **Coke Oven Plants**

- **To meet the parameters PLD (% leaking colors), PLL (% leaking lids), PLO (% leaking off take), of the notified standards under EPA within three years by December 2005). Industry will submit time bound action plan and PER Chart along with the Bank Guarantee for the implementation on the time. To rebuild at least 40% of the coke oven batteries in next 10 years (by December 2012.).**

Not applicable as there is no coke oven plant at site

2. **Steel Melting Shop**

Fugitive emissions:

- **To reduce 30% by March 2004 and 100% by March 2008 (including installation of secondary dedusting facilities).**

In first phase there is no steel melting shop- thus NOT APPLICABLE.

Presently only Blast Furnace & Sinter Plant are commissioned and we have provided fugitive emission control systems with ESP & bag filter in both, details as under:

i. Blast Furnace:

- *Gas cleaning plant bag filter capacity: 90000 Cu. M / Hr.*
- *Cast house dedusting unit: 200000 Cu. M / Hr.*
- *Stock house dedusting unit: 200000 Cu. M / Hr.*

ii. Sinter Plant:

- *Head ESP total fume creating capacity: 210000 Cu. M / Hr.*
- *Tail ESP total fume creating capacity: 210000 Cu. M / Hr.*
- *Dust removal efficiency of head and tail ESP:98.5%*
- *Fuel crushing dust collection unit:9000 Cu. M / Hr.*
- *Flux crushing dust collection unit:17800 Cu. M / Hr.*
- *Flux screening dust collection unit:26700 Cu. M / Hr.*

3. **Blast Furnace**

Solid fuel injection (Coal) is done through tuyeres.

We have bell less charging system with multiple hoppers to avoid fugitive emission of gases and dust

4 **Solid Waste /Hazardous Waste Management**

Utilization of Steel/ Melting shop (SMS)/ Blast Furnace (BF) Slag as per the following schedule:

*** By 2004 - 70%**

*** By 2006 – 80% and**

*** By 2007 – 100 %.**

> Yes all the slag generated from Blast Furnace is granulated in Slag granulation plant for sale to cement industry.

5. **Hazardous Wastes**

- **Charge of tar sludge/ ETP sludge to Coke Oven by June 2003. Inventorization of the Hazardous waste as per Hazardous Waste (M& H), Rules, 1989 as amended in 2000 and implementation of the Rules by Dec. 2003.**

(Tar sludge, acid sludge, waste Lubricating oil and type fuel falls in the category of Hazardous waste).

- Coke fines & Iron ore fines are used in sinter plant
- The hazardous waste (used oil / furnace oil sludge) will be sold to CPCB approved recycler only.
- ETP sludge will be disposed off through Maharashtra Environ Power Ltd., a CHWTSDF approved by MPCB

6. **Water Conservation/ Water Pollution**

. ➢ **To reduce specific water consumption to 5 m3/t for long products and 8 m3/t for flat products by December 2005.**

Presently, the project is only partially commissioned – only blast furnace and sinter plant are commissioned – compliance will be indicated after the complete complex is

operational.

- **To operate the Co-BP (Coke Oven-Byproduct) effluent treatment plant efficiently to achieve the notified effluent discharge standards. – by June 2003.**

Not applicable as no coke oven at site.

7. **Installation of Continuous stack monitoring system & its calibration in major stacks and setting up of the online ambient air quality monitoring stations by June 2005.**

Company has adopted third party monitoring system and Environmental monitoring (stack and ambient) is being undertaken through MoEF recognized laboratory on monthly basis.

8. **To operate the existing pollution control equipment efficiently and to keep proper record of run hours, failure time and efficiency with immediate effect. Compliance report in this regard be submitted to CPCB/SPCB every three months.**

Separate meters have been provided for Air Pollution Control Equipments.

9. **To implement the recommendations of Life Cycle Assessment (LCA) study sponsored by MoEF by December 2003.**

Presently, Company has only commissioned two of the plants viz Blast furnace and Sinter Plant – details of LCA study will be implemented as practically possible.

10. **The industry will initiate the steps to adopt the following clean technologies measures to improve the performance of industry towards production, energy land environment.**

- **Energy recovery of top Blast Furnace (BF) gas.**

-- Yes the Blast Furnace Gas generated will be utilized in Captive Power Plant.

- **Use of Tar- free runner linings.**

We are using resin based runner mass in runners so there is no generation of Tar fumes.

- **De- dusting of Cast house at tap holes, runners, skimmers ladle and charging points.**
  - Blast Furnace Cast house dedusting unit: 200000 Cu. M / Hr.
  - Sinter Plant Flux screening dust collection unit:26700 Cu. M / Hr.
- **Suppression of fugitive emissions using nitrogen gas or other inert gas**

Nitrogen gas provided with timing devices in gas cleaning plant

- **To study the possibility of slag and fly ash transportation back to the abandoned mines, to fill up the cavities through empty railway wagons while they return back to the mines and its implementation.**

All the slag is granulated & will be sold to the cement industry to effect recovery and reuse instead of land disposal. Fly ash will not be generated from the plant. As this is a gas based power plant

- **Processing of the waste containing flux & ferrous wastes through waste recycling plant.**

Sinter plant has provided to reuse all types of solid waste

- **To implement rainwater harvesting**

Yes – the rain water harvesting plan is under preparation

- **Reduction Green House Gases by :**

Utilization of BF gas for generating power in CPP.

- **Use of by – products gases for power generation**

Yes the Blast Furnace Gas generated will be utilized in Power plant

- **Promotion of Energy Optimization technology including energy/ audit**

Will be undertaken

- **To set targets for Resource Conservation such as Raw material, energy and water consumption to match International Standards.**

Presently, Company has only commissioned two of the plants viz Blast furnace and Sinter Plant – targets of resource conservation will be set as soon as practically possible.

- **Up- gradation in the monitoring and analysis facilities for air and water pollution. Also to impart elaborate training to the manpower so that realistic data is obtained in the environmental monitoring laboratories.**

Stack monitoring is a specialized activity and Environmental monitoring is being undertaken through MoEF recognized lab.

- **To Improve overall house keeping.**

This will be a continuous endeavor

11. Sponge Iron Plants

Inventorization of sponge iron plants to be completed by SPCB's /CPCE by June 2003 and units will be asked to install proper air pollution control equipment by December 2003 to control primary and secondary emissions.

Not Applicable as no sponge iron plant at site.

Enclosure - IV

SOCIO-ECONOMIC DEVELOPMENT PLAN

SONA ALLOYS PVT. LTD. is setting up an Integrated Steel Plant at MIDC, Lonand, District – Raigad. The company believes in sustainable growth so that the company achieves growth along with upliftment of nearby areas with least impact on environment.

Vision:

Sona Alloys Private Limited (SAPL) believes in;

- 24 Carat Gold Standard in Every Pursuit.
- Seizing the Opportunity of tomorrow with the Professionalism in the Management.
- Lasting relationship with the Stakeholders based on Trust and Mutual Respect.
- Creating and Nurturing a Culture which supports Flexibility, Learning and Change.
- Preservation of a Clean and Green Environment.
- Creation of an Inspiring Work Environment for Harnessing the Creative Energy of the Employees.
- Development of Culture of high Productivity coupled with Safety.

Environmental protection

- SAPL is giving special attention in the design of the plant for the protection of environment.
- CPCB and other statutory norms will be strictly adhered during plant design and construction.
- SAPL is planning for near zero discharge of water from the plant boundary. Waste water will be treated and recycled.
- Chimneys of adequate heights are being planned for proper dispersion of the particulate matter.
- Adequate Green Belt will be developed inside the plant.
- Rain water harvesting is being planned to tap rain water.

SONA ALLOYS PVT. LTD.

- Dust control systems will be provided at the points of dust generation
- Solid waste will be recycled within the plant and only minimal amount will be disposed outside.

The Company has affirmed these policies by putting on the website www.sonaalloys.com

SOCIO-ECONOMIC DEVELOPMENT PLAN:

The Company shall be keeping an annual budget of Rs. 2 million for the first three years for undertaking socio-economic measures for the nearby villages / communities.

The plan will be implemented in close coordination with Local Grampanchayats so that the aspirations of the local populace get priority. The priority areas to undertake programs in Socio-economic development will be as under:

- **Education:** Development / Up-gradation of school / facilities / furniture/ fixtures, plans to be establish / Industrial training Institute nearby so that local employment will be boosted.
- **Health Care :**

  Undertaking Medical Camps in nearby villages, Supporting Local Primary Health Facilities. Extending Company Medical Aid Facilities to nearby villages for Emergencies.
- **Promoting Employment:**

  Job oriented courses to increase awareness of populace on employment opportunities. Form Self-help Group from amongst wives of Company Workers.
- **Other Measures:**

  Primary focus on improving Sanitation Facilities / Building Public Toilets/ Improving Water Supply Facilities / Constructing Tar Roads / Building Play Grounds & Parks etc.

Place : Lonand

Date : 1st September 2010

for Sona Alloys Pvt. Ltd.

Asit Jain
Director
FOR SONA ALLOYS PVT LTD

DIRECTOR

AKANKSHA ANALYTICAL & RESEARCH LAB

Environment Laboratory Recognized by MoEF, Govt. New Delhi,
Under E. P. Act 1986, vide GR No. S. O. 428 (E) Sr. No. 63.
An ISO 9001:2008, OHSAS 18001:2007 Certified Company
Approved from "AGMARK" Vide file No. 11036/15/99/Lab./2727

ANALYSIS REPORT

NAME OF COMPANY:- **M/s. Sona Alloys Pvt. Ltd.** C-1, MIDC.Area, Lonand, Dist.Satara, Pin.: 415 521		TR NO	AL/TR/18-476/13-14
		DATE	26/12/2013
		INWARD NO	AL/7-738-1/13-14
SAMPLE	**COLLECTED BY**	**SAMPLE REF**	**RECEIVED ON**
Sewage effluent water	AARL	Untreated	17/12/2013

Sr. No.	PARAMETERS	UNIT	RESULT
1	pH	----	7.00
2	Total Suspended Solids	mg/l	110
3	BOD.	mg/l	140

For Akanksha Analytical & Research Lab

(Lab In-charge)

(Analyst)

Office & Lab : S. No. 613, Plot No. 5, Ganga Dham, Phase I, Opp. Ganga Landmark Row-Houses, Bibvewadi, Pune 411037.
Phone : 020-24240030 | E-mail : katariyamahendra@yahoo.co.in, akankshalab2007@gmail.com

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ANALYSIS REPORT

NAME OF COMPANY:-		TR NO	AL/TR/18-477/13-14
M/s. Sona Alloys Pvt. Ltd.		DATE	26/12/2013
C-1, MIDC.Area, Lonand, Dist. Satara, Pin.: 415 521		INWARD NO	AL/7-738-2/13-14
SAMPLE	**COLLECTED BY**	**SAMPLE REF**	**RECEIVED ON**
Sewage effluent water	AARL	Treated	17/12/2013

Sr. No.	PARAMETERS	UNIT	RESULT	MPCB Limits
1	pH	----	7.02	--
2	Total Suspended Solids	mg/l	071	100 Max.
3	BOD	mg/l	063	100 Max.

Remark: All above results are within MPCB Limits.

For Akanksha Analytical & Research Lab

(Lab In-charge)

(Analyst)

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Phone : 020-24240030 | E-mail : katariyamahendra@yahoo.co.in, akankshalab2007@gmail.com

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ANALYSIS REPORT

NAME OF COMPANY:- **M/s. Sona Alloys Pvt. Ltd.** C-1, MIDC.Area, Lonand, Dist.Satara, Pin.: 415 521		TR NO	AL/TR/18-478/13-14
		DATE	26/12/2013
		INWARD NO	AL/7-738-3/13-14
SAMPLE	**COLLECTED BY.**	**SAMPLE REF**	**RECEIVED ON :**
Industrial effluent water	AARL	Untreated	17/12/2013

Sr. No.	PARAMETERS	UNIT	RESULT
1	pH	—	8.58
2	Total Suspended Solids	mg/l	034
3	Total Dissolved Solids	mg/l	844
4	COD	mg/l	132
5	BOD	mg/l	275
6	Oil & Grease	mg/l	000
7	Chlorides	mg/l	128
8	Sulphate	mg/l	62.7

For Akanksha Analytical & Research Lab

(Lab In-charge)

(Analyst)

Office & Lab : S. No. 613, Plot No. 5, Ganga Dham, Phase I, Opp. Ganga Landmark Row-Houses, Bibvewadi, Pune 411037.
Phone : 020-24240030 | E-mail : katariyamahendra@yahoo.co.in, akankshalab2007@gmail.com

Station - 1

Site Report - Site SONA ALLOYS 1 Report : TimeBeginning

Date&Time	PM 10	SO2	NO	NO2	NOx	WIND SPEED	WIND DIRECTION	ATM TEMP	REL HUMIDITY	SOL RADIATION
	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3	m/s	DegN	DegC	%	W/m2
29/11/2013 00:00	17.2	6.9	3.8	5.6	9.4	0.8	92.9	21.1	41.5	1.9
29/11/2013 01:00	14.3	6.7	3.8	5.9	9.7	0.9	105	20.1	45.3	3
29/11/2013 02:00	25.9	6.7	3.8	6.5	10.3	0.6	255.7	18.2	53.4	3.1
29/11/2013 03:00	23.5	6.7	3.8	5.8	9.7	0.6	298.4	17.6	55.6	2.7
29/11/2013 04:00	22.7	6.8	3.8	6	9.9	0.8	308.7	17.4	54.7	2.3
29/11/2013 05:00	24.9	6.8	3.8	6.2	10	0.7	300	17.1	54.7	2.3
29/11/2013 06:00	25.5	6.9	3.8	7.9	11.7	0.9	310.8	16.6	57.3	3.7
29/11/2013 07:00	25.9	6.7	4	7.9	11.7	0.9	286.9	18.4	50.7	66.5
29/11/2013 08:00	17.3	6.7	4.2	9	13.1	0.8	231.9	21.2	43.5	184.8
29/11/2013 09:00	26	7	4.3	11.5	15.6	1.5	106.8	22.9	38.5	225.7
29/11/2013 10:00	28.9	7.1	4.5	12.6	17	2.7	112.9	24	41.1	432.7
29/11/2013 11:00	27.5	7.4	4.7	12.6	17.3	2.9	121.5	25	45	474.8
29/11/2013 12:00	43	7.3	4.9	14.1	19	2.3	103.2	25.7	47	457.2
29/11/2013 13:00	18.4	7.3	4.8	10.9	15.7	2.8	103	26.7	50.4	528.7
29/11/2013 14:00	11.1	7.4	4.6	9.7	14.2	2.7	104.4	26.7	53	285
29/11/2013 15:00	10.8	7.4	4.3	9.3	13.7	2	102.5	26.8	52.3	132
29/11/2013 16:00	13	7.4	4.3	10	14.2	2.1	107.1	26.9	52.7	58.6
29/11/2013 17:00	13.5	7.2	4.2	10.8	15	2	98.5	26.5	53.9	18.1
29/11/2013 18:00	15.4	7	4.1	11.4	15.6	2	117.6	26	54.5	5.7
29/11/2013 19:00	15.5	6.9	4	11.3	15.3	1.2	109.7	25.8	54.8	5.6
29/11/2013 20:00	16.1	6.9	4	10.4	14.4	1.4	86.7	25.3	56.6	5.5
29/11/2013 21:00	19	7	3.9	9.3	13.3	2.6	112.4	24.4	64.3	5.8
29/11/2013 22:00	16.5	6.8	4	8.4	12.3	2.8	123.3	23.4	71.8	5.8
29/11/2013 23:00	9.8	6.8	4	8.1	12.1	2.7	120.6	22.8	76	5.9
Min	9.8	6.7	3.8	5.6	9.4	0.6	86.7	16.6	38.5	1.9
MinDate	23:00	02:00	01:00	00:00	00:00	03:00	20:00	06:00	09:00	00:00
Maximum	43	7.4	4.9	14.1	19	2.9	310.8	26.9	76	528.7
MaxDate	12:00	15:00	12:00	12:00	12:00	11:00	06:00	16:00	23:00	13:00
Avg	20.1	7	4.1	9.2	13.3	1.7	159.2	22.8	52.9	121.6
Num	24	24	24	24	24	24	24	24	24	24
Data[%]	96	96	96	96	96	96	96	96	96	96
STD	7.6	0.2	0.3	2.4	2.7	0.8	84	3.6	8.9	179.2

Station - II

Site Report - Site SONA ALLOYS 2 Report : TimeBeginning

Date&Time	PM 2.5	SO2	NO	NO2	NOx
	ug/m3	ug/m3	ug/m3	ug/m3	ug/m3
29/11/2013 00:00	59.1	1.8	0	7.6	7.5
29/11/2013 01:00	44.8	1.9	0.1	6.1	6.1
29/11/2013 02:00	44.6	1.7	0	6.3	6.2
29/11/2013 03:00	50.6	2.5	0.1	7.1	7.1
29/11/2013 04:00	66.6	2.3	0.5	7.8	8.3
29/11/2013 05:00	50.4	1.9	2.7	9.1	11.7
29/11/2013 06:00	50	1.9	3.1	9.9	12.9
29/11/2013 07:00	39.8	1.8	3.4	12.5	15.9
29/11/2013 08:00	33	1.8	1	10.3	11.3
29/11/2013 09:00	40	2	0.4	10.7	11
29/11/2013 10:00	45.2	2	0	11.1	11
29/11/2013 11:00	43.6	2.2	0	10.6	10.3
29/11/2013 12:00	40.1	2	0	10.1	9.8
29/11/2013 13:00	29.9	2	0	9.6	9.4
29/11/2013 14:00	21.4	2	0	8	7.9
29/11/2013 15:00	25.6	2.2	0	8.6	8.5
29/11/2013 16:00	30.2	2.2	0	9.5	9.3
29/11/2013 17:00	20.8	2.4	0.2	10.4	10.4
29/11/2013 18:00	26.5	2.2	0.1	12.8	12.7
29/11/2013 19:00	32.4	2.2	0	15.8	15.7
29/11/2013 20:00	31.4	2.1	0.9	16.8	17.7
29/11/2013 21:00	42.8	2.1	0.4	11.6	11.9
29/11/2013 22:00	34.6	2	0.1	8.5	8.5
29/11/2013 23:00	27.7	2	0.2	7.9	8
Min	20.8	1.7	0	6.1	6.1
MinDate	17:00	02:00	11:00	01:00	01:00
Maximum	66.6	2.5	3.4	16.8	17.7
MaxDate	04:00	03:00	07:00	20:00	20:00
Avg	38.8	2.1	0.5	9.9	10.4
Num	24	24	24	24	24
Data[%]	96	96	96	96	96
STD	11.6	0.2	1	2.6	3