



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FORESTS &
CLIMATE CHANGE

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F. No: 5-51/2012-(Env) / 3779
To

Dated: 2nd June, 2018

The Scientist 'F'
IA Division (Industry),
Ministry of Environment, Forest & Climate Change
Vayu Wing, 3rd Floor, Indira Paryavaran Bhawan,
Aliganj, Jorbagh Road,
New Delhi-110003

(Kind Attention: Shri Sharath Kumar Pallerla)

Sub: A report on the status of compliance of conditions stipulated in the environment clearance dated J-11011/178/2010-IA-II (I) dated 23.08.2012 accorded by the MoEF&CC, New Delhi to Ferro Alloys Unit – 5x9MVA Submerged Electric Arc Furnace (Si-Mn 84, 474 TPA and Fe-Mn 1,03,958 TPA and Captive Generation (62 MW) at village Manuwapalli, in Raigarh District in the State of Chhattisgarh by M/s M.S.P. Sponge Iron Limited – regarding.

Ref: IA Division of the MoEF&CC, New Delhi's letter no. J-11011/178/2010-IA-II (I) dated 23.08.2012.

Sir,

I am directed to refer to the above subject and letter under reference above wherein the IA Division of the MoEF&CC, New Delhi has accorded the environment clearance to the Ferro Alloys Unit – 5x9MVA Submerged Electric Arc Furnace (Si-Mn 84, 474 TPA and Fe-Mn 1,03,958 TPA and Captive Generation (62 MW) of M/s M.S.P. Sponge Iron Limited in Raigarh, Chhattisgarh. The Project proponent vide their letter no. nil dated nil has requested the Regional Office for a certified compliance report in respect of conditions stipulated in the environment clearance dated 23.08.2012. In this connection, it is to inform that a visit for the monitoring of compliance of conditions stipulated in the environment clearance has been conducted by the Regional Office on 15.04.2018. Major findings during the monitoring are given as under:

- Currently, the PP is manufacturing Silico- Manganese and Ferro- Manganese using manganese ore. Now the PP has proposed to enhance the existing capacity and to produce Ferro Chrome (FeCr) using the existing SEAF. Existing Plant facilities, production capacity and proposed expansion details are given as under:

S. No.	Unit/Plant	Product Existing	Existing (Capacity for which Consent obtained vide dt. 1 st April 2005)	Existing (Capacity for which EC obtained vide dt. 23 rd Aug. 2012)	Amendment in EC proposed	Total production after expansion
1	Submerged Electric Arc Furnaces		2 x 7.5 MVA SEAF	5 x 9 MVA SEAF	--	2 x 7.5 MVA SEAF & 5 x 9 MVA SEAF
		SiMn	15174 TPA	69300 TPA	--	84474 TPA
		FeMn	11483 TPA	92475 TPA	--	103958 TPA
		FeCr	--	--	67,500 TPA	67,500 TPA
	Captive Power Plant	Power	12 MW	50 MW (2x25 MW)	--	62 W

- Following conditions were observed to be complied with partially by the PP:

- Specific conditions no. (iii), (iv) - It was observed that though the PP has been complying with all provisions stipulated in the condition, yet it is observed that the PP needs to upgrade or strengthen its pollution control measures and better housekeeping practices to check the secondary fugitive emissions. Efficiency of the ESP appears to be too inappropriate to control gaseous emissions, as prominent emissions were observed to be emitting from the stack. Housekeeping practices needs to be improved to keep the open areas of the premises tidy and to keep the secondary emissions under control.

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Similarly, water sprinkling system at the transfer points, along the roads needs to be further strengthened as premises of the PP has been observed with substantial secondary fugitive emissions. The PP has informed that due sluggish market condition in the past proper maintenance of the equipment was not done on regular basis, however, the same is being looked into and will be rectified shortly.

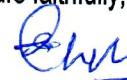
- (ii). Specific condition no. (v) - The PP has been carrying out monitoring of the water stored in the reservoir constructed in their premises. No detail pertaining to the ground water quality analysis in the premises and surrounding area was made available by the PP.
 - (iii). Specific condition no. (viii) and general condition no. (vii) - It is observed that PP has constructed two water reservoirs in their premises with the provision of collection of rain water. One small reservoir or settling pond is used to collect the industrial water and is re-used in the industrial process. Another relatively large water reservoir is used for storage of water, including rain water for its use in the industrial process. Detail of drainage system for collection of rain off water was not furnished by the PP. Further, exact detail of water requirement met by utilizing rainwater has not been made available by the PP.
 - (iv). General condition no. (viii) and (ix) - Exact detail of total budget earmarked for the capital cost and recurring cost has not been made available by the PP.
 - (v). General condition no. (xi) - Status of compliance of conditions stipulated in environment clearance conditions, including results of monitored data was not observed to be being uploaded on the website of the company.
 - (vi). General condition (xiv) - The PP has informed that publication as required were made for wide circulation in two local newspapers for information of all concerned regarding Environmental Clearance issued by the Ministry since 2012 and copies of the clearance letter are made available with the CECB. However, copies of the news paper cutting were not made available during the inspection.
 - (vii). Condition no. (xv) - The PP has informed that concerned Regional Authority was made aware the financial closure in due course of time. However, exact detail of the financial closure of the project was not made available during the inspection.
3. It is also informed that fly ash is being disposed of as per Fly Ash notification 1999, subsequent amendment in 2003 & 2009. Supporting detail regarding activities undertaken for the utilization of fly ash is enclosed at Annexure - XIII.
4. The PP has informed that no court cases in various courts of law are pending and no show cause notices has been issued by the CECB against their plant.

A detailed report on the monitoring of the conditions stipulated in the environment clearance is enclosed herewith.

This issues with the approval of the Addl. PCCF (Central), Regional Office (West Central Zone) MoEF&CC, Nagpur.

Encl: as above

Yours faithfully,


(Charan Jeet Singh)
Scientist 'C'

Copy to:

1. Director RO HQ, Ministry of Environment, Forest & Climate Change, Government of India, 1st Floor Agni Wing, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi- 110 003.
2. Member Secretary, State Level Environment Impact Assessment Authority & Secretary, Housing and Environment Department, Government of Chhattisgarh, Mantralay Mahanadi Bhavan, New Raipur, Chhattisgarh
3. Director (Monitoring Cell), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Aliganj, Jorbagh Road, New Delhi-110003
4. M/s MSP Sponge Iron Ore Limited, Village Manupalli, Post Jamgaon District Raogarh 496 001 Chhattisgarh
5. Guard File.

DISPATC!!

de 04/06/18


(Charan Jeet Singh)
Scientist 'C'

A REPORT ON THE STATUS OF COMPLIANCE OF CONDITIONS STIPULATED IN THE ENVIRONMENT CLEARANCE DATED 23.08.2012 ACCORDED BY THE MOEF&CC, NEW DELHI TO FERRO ALLOYS UNIT OF M/S M.S.P. SPONGE IRON LIMITED IN RAIGARH DISTRICT IN THE STATE OF CHHATTISGARH BY

1. Currently, the PP is manufacturing Silico- Manganese and Ferro- Manganese using manganese ore. Now the PP has proposed to enhance the existing capacity and to produce Ferro Chrome (FeCr) using the existing SEAF. Existing Plant facilities, production capacity and proposed expansion details are given as under:

Unit/Plant	Product Existing	Existing Capacity	Existing Capacity	Proposed Expansion	Total production after expansion
Submerged Electric Arc Furnaces	-	2 x 7.5 MVA SEAF	5 x 9 MVA SEAF	--	2 x 7.5 MVA SEAF & 5 x 9 MVA SEAF
	SiMn	15174 TPA	69300 TPA	--	84474 TPA
	FeMn	11483 TPA	92475 TPA	--	103958 TPA
	FeCr	--	--	67,500 TPA	67,500 TPA
Captive Power Plant	Power	12 MW	50 MW (2x25 MW)	--	64 W

2. A visit for the monitoring of compliance of conditions stipulated in the environment clearance has been conducted by the Regional Office on 15.04.2018. Major findings during the monitoring are given as under:

S. No.	Conditions stipulated in the environment clearance	Status of compliance
A.	SPECIFIC CONDITIONS	
(i).	No charcoal shall be used as fuel. Pet coke shall be used as fuel instead of charcoal from unknown sources.	Being complied with It is observed that PP has been using coal as fuel.
(ii).	Continuous monitoring facilities for all the stacks and air pollution control equipment viz. fume extraction system with bag filters. ID fan and stack of adequate height to submerged arc furnace shall be provided to control emissions below 50 mg/Nm ³ ESP shall be installed to control the particulate emission from the captive power plant	Complied with It is observed that the PP has constructed stacks of inappropriate height connected to 12MW Thermal Power Plant (TPP), Submerged Arc Furnace. One bag house connected to the TPP while 2 bag filters have been connected to SAF. The TPP has also been provided with a ESP, vent filter and water spray system to control the emissions within the prescribed limits. Continuous monitoring systems for the monitoring of stack emission have been installed in all stacks and are connected with the server of CPCB. A monitoring report on the gaseous emission from the plant of the PP, as made available by the PP is enclosed at Annexure-I.
(iii).	The National Ambient Air Quality (AAQ)	Partially complied with

	Standards issued by the Ministry Vide G S R NO 826(E) dated 16 th November, 2009 shall be followed	It was observed that though the PP has been complying with all provisions stipulated in the condition, yet it is observed that the PP needs to upgrade or strengthen its pollution control measures and better housekeeping practices to check the secondary fugitive emissions. Efficiency of the ESP appears to be too inappropriate to control gaseous emissions, as prominent emissions were observed to be emitting from the stack. The PP has informed that due sluggish market condition in the past proper maintenance of the equipment was not done on regular basis, however, the same is being looked into and will be rectified soon. Details of Ambient Air Quality monitoring reports, as made available by the PP, are enclosed at Annexure-I .
(iv).	Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored guidelines/ Code of Practice issued by the CPCB shall followed.	Partially complied with It was observed that PP has adopted measures like water spray system at ground hopper of raw material feeding, bag-filter connected to the CHP of power plant, bag-filters connected to stacks of Submerged electric arc Furnace. However, measures for control of secondary fugitive emission needs to be further upgraded or strengthened by the PP. Housekeeping practices needs to be improved to keep the open areas of the premises tidy and to keep the secondary emissions under control. Similarly, water sprinkling system at the transfer points, along the roads needs to be further strengthened as premises of the PP has been observed with substantial secondary fugitive emissions.
(v).	Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated waste water shall meet the norms prescribed by the State Pollution Control Board or described under the EP Act whichever are more stringent, Leachate study for the effluent generated and analysis should also be regularly earned out and report submitted to the Ministry's Regional Office at Bhopal SPCB and CPCB .	Partially complied with The PP has been carrying out monitoring of the water stored in the reservoir constructed in their premises. A monitoring report on the water quality, as made available by the PP is enclosed at Annexure-II . No detail pertaining to the water quality analysis of the ground water analysis in the premises and surrounding area was made available by the PP. The PP has further informed that industrial waste water is settled in settling pond and is re-used in industrial process and also for watering the plantation raised in the premises.
(vi).	The total water requirement shall not exceed 1,350 m ³ /day 'Zero effluent discharge shall be strictly followed and no waste water should be discharged outside premises.	Being complied with As per the details made available by the PP, it was observed that existing water consumption of the PP stands at 234 m ³ /day while with the proposed expansion, the water consumption in future will increase by additional quantity of 966 m ³ /day,

		thereby total requirement of the water has been proposed to be kept within the limit of 1,350 m ³ /day. The PP has further informed that waste water generated from the DM plant is neutralized and re-used for dust suppression system and green belt development. Further, it was observed that domestic waste water is treated in septic tank by soak pit within the premises and no waste water is discharged outside. Detail of water consumption made available by the PP is enclosed as Annexure-III .
(vii).	Efforts shall be made to make use of rain water harvested, If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement should be met from other sources	Partially complied with It is observed that PP has constructed two water reservoirs in their premises with the provision of collection of rain water. One small reservoir or settling pond is used to collect the industrial water and is re-used in the industrial process. Another relatively large water reservoir is used for storage of water, including rain water for its use in the industrial process. Detail of drainage system for collection of rain off water was not furnished by the PP. Further, exact detail of water requirement met by utilizing rainwater has not been made available by the PP.
(viii).	Slag produced in Ferro Manganese (Fe-Mn) production shall be used in manufacture of Silica Manganese (Si-Mn) All other ferro alloy slag shall be used in the preparation of building materials.	Being complied with PP submitted that slag generated in course of production are granulated and utilized for the road construction purpose.
(ix).	No Ferro Chrome shall be manufactured without prior approval from the Ministry of Environment & Forests.	The PP has consented to this condition.
(x).	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhopal SPCS and CPCB within 3 months of issue of environment clearance letter	Complied with It is observed that an on site emergency management plan has been prepared and necessary approval is obtained from Directorate of Industrial Health and Safety, Government of Chhattisgarh. A copy of the same is enclosed at Annexure-IV .
(xi).	All the commitments made to the public during the Public Hearing /public Consultation meeting held on 16 th December, 2011 should be satisfactorily Implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhopal.	Being complied with The PP has informed that community development activities like periodical health care camps in surrounding villages, improvement of education system by providing teachers to nearby schools, free ambulance service for villagers, drinking water supply during summers, village Pond development/ renovation, etc. are being undertaken in consultation with the District Administration. As per detail made available by the PP during the

		financial year of 2014-15, 2015-16 and 2016-17, expenditure of Rs. 1,57,36,552/-, Rs. 1,45,31,082 and Rs. 1,02,96,682/- was incurred by the PP on the CSR activities. Details of the same are enclosed at Annexure-V .
(xii).	As proposed, green belt should be developed in at least 33 % of the project area. Selection of plant species shall be as per the CPCB guideline in consultation with the DFO	Being complied with It was observed that PP has carried out fair plantation in their premises. The PP has informed that so far, plantation of 19,460 trees has been undertaken and out of the total trees planted approximately 14,595 trees are serving. It was further informed by the PP that they have already covered 33% of total area under the green cover and nearly 1,500 trees will be planted in the premises in coming monsoon season. However, year wise detail of plantation undertaken and area covered thereof has not been provided by the PP.
(xiii).	At least 5 % of the total cost of the project should be earmarked towards Enterprise Social Commitment based on Public Hearing issues and Item-Wise details along with time bound action plan should be prepared and submitted to the ministry's Regional Office at Bhopal. Implementation of such program shall be ensured accordingly in a time bound manner.	Being complied with The PP has informed that community development activities like periodical health care camps in surrounding villages, improvement of education system by providing teachers to nearby schools, free ambulance service for villagers, drinking water supply during summers, village Pond development/ renovation, etc. are being undertaken in consultation with the District Administration. As per detail made available by the PP during the financial year of 2014-15, 2015-16 and 2016-17, expenditure of Rs. 1,57,36,552/-, Rs. 1,45,31,082 and Rs. 1,02,96,682/- was incurred by the PP on the CSR activities. Details of the same are enclosed at Annexure-V .
(xiv).	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care creche etc.,. The housing may be in the form of temporary structures to be removed after the completion of the project.	Complied with The PP has informed that during the construction phase of the project, temporary housing facility with all amenities were provided to construction workers and same were removed after completion of project.
B.	General Conditions	
(i).	The project authorities must strictly adhere to the stipulations made by the Chhattisgarh Environment Conservation Board (CECB) and the state Government	Being complied with A report, as made available by the PP, on the status of compliance of conditions stipulated in the approval (CTE/CTO), accorded by the CECB is enclosed at Annexure -VI .
(ii).	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests	The PP has consented to this condition

(iii).	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM ₁₀ , SO ₂ and NO _x are anticipated in consultation with the CECB Including one ambient air quality monitoring station in the downwind direction Data on ambient air quality and stack emission should be regularly submitted to this Ministry Including its Regional Office at Bhopal and the CECB/ CPCB once in Six month	Being complied with It is observed that PP has installed 4 ambient air quality monitoring stations in their premises. The PP has further informed that monitoring of the air quality using aforementioned stations is being carried out manually. Detail of monitoring reports on the ambient air quality is enclosed at Annexure-I . Further, Continuous monitoring systems for the monitoring of stack emission have been installed in all stacks and are connected with the server of CPCB. A monitoring report on the gaseous emission from the plant of the PP, as made available by the PP is enclosed at Annexure-I .
(iv).	Industrial waste water shall be properly collected. treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31st December, 1993 or as amended form time to time, The treated waste water shall be utilized for plantation purpose.	Being complied with The PP has informed that waste water generated from the DM plant is neutralized in settling pond and re-used for dust suppression system and green belt development. Further, it was observed that domestic waste water is treated in septic tank by soak pit within the premises and no waste water is discharged outside.
(v).	The overall noise levels in and around the plant area shall be kept well 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)	Being complied with It was observed that noise control mechanisms/ systems have been adopted by the PP in working zone to keep the noise level within permissible level. Reports on the monitoring of noise level, as made available by the PP, are enclosed at Annexure-VII .
(vi).	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act	Being complied with It is observed that the PP has constructed an Occupational Health Centre in their premises and health screening of workers is being done periodically and necessary records are maintained. Detail are enclosed at Annexure-VIII .
(vii).	The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Partially complied with It is observed that PP has constructed two water reservoirs in their premises with the provision of collection of rain water. One small reservoir or settling pond is used to collect the industrial water and is re-used in the industrial process. Another large water reservoir is used for storage of water, including rain water for its use in the industrial process. Detail of drainage system for collection of rain off water was not furnished by the PP. However, exact detail of water requirement met by utilizing rainwater has not been made available by the PP.

		It was observed that the PP has constructed 3 rainwater harvesting re-charge pits in their premises. Detail is enclosed at Annexure-IX .
(viii).	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further the company must undertake social-economic development activities in the surrounding villages like community development programmes educational programmes, drinking water supply and health care etc.	Partially complied with Detail of expenditure incurred by the PP on the environment protection measures during the last 5 years is enclosed at Annexure-X . As per the detail made available by the PP, so far, the PP has incurred a cost of 186.2 lakhs on the environment protection measures. The PP has informed that community development activities like periodical health care camps in surrounding villages, improvement of education system by providing teachers to nearby schools, free ambulance service for villagers, drinking water supply during summers, village Pond development/ renovation, etc. are being undertaken in consultation with the District Administration. However, detail of separate budget for implementing the aforementioned activities was not furnished by the PP.
(ix).	Requisite amount shall be earmarked towards the capital cost and recurring cost/annum for environmental protection measures and judiciously utilized to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government. The funds so provided shall not be diverted for any other purpose.	Partially complied with The PP has informed that adequate funds have been made available for the purpose. However, exact detail of total budget earmarked for the capital cost and recurring cost has not been made available by the PP. Detail of expenditure incurred by the PP on the environment protection measures during the last 5 years is enclosed at Annexure-X . As per the detail made available by the PP, so far, the PP has incurred a cost of 186.2 lakhs on the environment protection measures.
(x).	A copy of clearance letter shall be sent by the proponent to concerned Panchayat. Zila Parishad / Municipal Corporation Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied with A copy of letter dated 30.8.2012 conveying the EC to gram Panchayat is enclosed at Annexure -XI .
(xi).	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their web Site and shall update the same periodically. It shall simultaneously be sent to the regional Office Of the MOEF the respective Zonal Office of CPCB and the CECB. The	Partially complied with Continuous monitoring systems for the monitoring of stack emission have been installed in all stacks and are connected with the server of CPCB. However, status of compliance of conditions stipulated in environment clearance conditions, including results of monitored data was not observed to be being uploaded on the website of the company.

	criteria pollutant levels namely, PM10, SO ₂ , NO _x (ambient level as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain,	
(xii).	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the regional office of MOEF at Bhopal, the respective Zonal Office of CPCB and the SPCB the Regional Office of this Ministry at Bhopal /CPCB/ CECB shall monitor the stipulated conditions	The PP has consented to this condition.
(xiii).	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) rules 1986, as amended subsequently, shall also be put on the web Site of the company along with the status of compliance of environmental conditions and Shall also be sent to the respective Regional Offices of the MOEF by email	Being complied with The has informed that regular 6 monthly compliance report are submitted to the Regional Officer, CECB, Government of Chhattisgarh. Latest environment statement was submitted on 27.09.2017 (Annexure-XII).
(xiv).	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies at the clearance letter are available with the CECB and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Regional Office at Bhopal.	Complied with The PP has informed that publication as required were made for wide circulation in two local newspapers for information of all concerned regarding Environmental Clearance issued by the Ministry since 2012 and copies of the clearance letter are made available with the CECB. However, copies of the news paper cutting were not made available during the inspection.
(xv).	Project authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by	Partially complied with The PP has informed that concerned Regional Authority was made aware the financial closure in due course of time. However, exact detail of the

	the concerned authorities and the date of commencing the land development work	financial closure of the project was not made available during the inspection.
9.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	The PP has consented to this condition.
10.	The Ministry reserves the right to stipulate additional conditions if found necessary The Company In a time bound manner shall implement these conditions	The PP has consented to this condition.
11.	The above conditions shall be enforced. <i>inter-alia</i> under the provisions of the water (Prevention & Control of Pollution) Act. 1974, the Air (Prevention & Control at Pollution) Act. 1981 the Environment (Protection) Act 1986 Hazardous Wastes (Management. Handling storage Tran boundary Movement) Rules. 2008 and the Public (Insurance) Liability ,Act. 1991 along With their amendments and rules.	The PP has consented to this condition.

From the examination of the above, it was observed that following conditions were observed to be complied with partially by the PP:

- (i). Specific conditions no. (iii), (iv) - It was observed that though the PP has been complying with all provisions stipulated in the condition, yet it is observed that the PP needs to upgrade or strengthen its pollution control measures and better housekeeping practices to check the secondary fugitive emissions. Efficiency of the ESP appears to be too inappropriate to control gaseous emissions, as prominent emissions were observed to be emitting from the stack. Housekeeping practices needs to be improved to keep the open areas of the premises tidy and to keep the secondary emissions under control. Similarly, water sprinkling system at the transfer points, along the roads needs to be further strengthened as premises of the PP has been observed with substantial secondary fugitive emissions. The PP has informed that due sluggish market condition in the past proper maintenance of the equipment was not done on regular basis, however, the same is being looked into and will be rectified shortly.
- (ii). Specific condition no. (v) - The PP has been carrying out monitoring of the water stored in the reservoir constructed in their premises. No detail pertaining to the ground water quality analysis in the premises and surrounding area was made available by the PP.
- (iii). Specific condition no. (viii) and general condition no. (vii) - It is observed that PP has constructed two water reservoirs in their premises with the provision of collection of rain water. One small reservoir or settling pond is used to collect the industrial water and is re-used in the industrial process. Another relatively large water reservoir is used for storage of water, including rain water for its use in the industrial process. Detail of drainage system for collection of rain off water was not furnished by the PP. Further, exact detail of water requirement met by utilizing rainwater has not been made available by the PP.
- (iv). General condition no. (viii) and (ix) - Exact detail of total budget earmarked for the capital cost and recurring cost has not been made available by the PP.
- (v). General condition no. (xi) - Status of compliance of conditions stipulated in environment clearance conditions, including results of monitored data was not observed to be being uploaded on the website of the company.

- (vi). General condition (xiv) - The PP has informed that publication as required were made for wide circulation in two local newspapers for information of all concerned regarding Environmental Clearance issued by the Ministry since 2012 and copies of the clearance letter are made available with the CECB. However, copies of the news paper cutting were not made available during the inspection.
- (vii). Condition no. (xv) - The PP has informed that concerned Regional Authority was made aware the financial closure in due course of time. However, exact detail of the financial closure of the project was not made available during the inspection.

The PP has further informed that no court cases against their project is pending in any court of law and no show cause notice has been issued by the CECB against their project


Charan Jeet Singh
Scientist 'C'