



MSP STEEL & POWER LIMITED

(An ISO 9001 : 2008, 14001 : 2004 OHSAS 18001 : 2007 Certified Company)

Corporate Office : 16/S, Block - A, New Alipore, Kolkata - 700 053, Ph.: +91-33-4005 7777, 4014 5678
Fax : +91-33-4005 7799, 2398 2239, E-mail : contactus@mspsteel.com, Web : www.mspsteel.com

30th Nov 2019

To,

The Regional Director,
Central Pollution Control Board,
4th Floor, Shankar Bhawan,
North TT Nagar,
Bhopal (M.P)- 462 003
Phone- 0755-2775384

Sub. - Submission of compliance of conditions of Environmental Clearance (EC) for the period April 2019 – Sep., 2019.

Ref. EC granted by MOEF, New Delhi vide F.No.J-11011/267/2007IA (I) dated 02.04.2009 and 09.09.2010.

Dear Sir,

With reference to above, we are submitting herewith compliance of conditions (alongwith proper annexure) mentioned in Environmental Clearances granted to us by MOEF vide above referred numbers for the period Oct 2018- March 2019.

This is for your kind information please.

Thanking You
Yours Faithfully
For MSP Steel and Power Ltd.

Prashant Pandey
Sr. Gen. Manager (Corporate co-ordination)

Copy to-

1. Additional Principal Chief Conservator of Forests,
Ministry of Environment, Forest and Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur-440001.
2. The Member Secretary, CECB,
Sector 19, Paryawas Bhawan, Atal Nagar, Raipur (C.G.)
3. Regional Officer, CECB, Raigarh (C.G.)



Regd. Office :

1, Crooked Lane, Kolkata- 700 069, Ph.: +91-33-2248 3795, Fax : +91-33-2248 1720

Works :

Village & P.O.: Jamgaon, Dist. : Raigarh, Pin - 496 001; Chhattisgarh
Ph.: 07762-264449 / 51 / 52 / 53, Fax : 07762-264450



IS : 1786



BUILDING THE NATION

<Track on www.indiapost.gov.in>

<Dial 1800 266 6868>

भारतीय डाक



India Post

EC155931936IN IVR:6967155931936

SP RAIGARH RMS COUNTER <496001>

Counter No:1,30/11/2019,17:16

To:REGIONAL DIRE,BHOPAL

PIN:462003, C.T.T.Nagar H.O

From:MSP STEEL A.MAP SPONGE IRON

Wt:308gms

Amt:70.80(Cash)Tax:10.80

<Track on www.indiapost.gov.in>

<Dial 1800 266 6868>

भारतीय डाक



India Post

EC155931922IN IVR:6967155931922

SP RAIGARH RMS COUNTER <496001>

Counter No:1,30/11/2019,17:16

To:ADDITIONAL PR,NAGPUR

PIN:440001, Nagpur GPO

From:MSP STEEL A.MAP SPONGE IRON

Wt:304gms

Amt:70.80(Cash)Tax:10.80

<Track on www.indiapost.gov.in>

<Dial 1800 266 6868>

भारतीय डाक



India Post

EC155931919IN IVR:6967155931919

SP RAIGARH RMS COUNTER <496001>

Counter No:1,30/11/2019,17:16

To:THE MEMBER SE,RAIPUR

PIN:492001, Raipur HO

From:MSP STEEL A.MAP SPONGE IRON

Wt:35gms

Amt:41.30(Cash)Tax:6.30

<Track on www.indiapost.gov.in>



COMPLIANCE OF CONDITIONS OF ENVIRONMENTAL CLEARANCE GRANTED BY MOEF, NEW DELHI VIDE F.NO. J-11011/267/2007-IA II(I) DATED 02.04.2009. Status for the period of April 2019-Sep. 2019

A. SPECIFIC CONDITIONS

SN	SPECIFIC CONDITIONS	COMPLIANCE STATUS					
		Status of Installation Unit wise (Annex-I)					
		Capacity	ESP	BAG FILTER	VENT FILTER	DRY FOG	
I	Efforts should be made to reduce RSPM levels in the ambient air and a time bound action plan shall be submitted, On-line ambient air quality monitoring and continuous stack monitoring facilities for all the stacks and sufficient air pollution in to devices shall be provided to keep the emission levels below 100 mg / Nm3. At no time, the emission level shall be beyond the prescribed standard Interlocking facilities shall be provided so that process can be automatically stopped. In case of emission level exceeds the limit. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry Including its Regional Office at Bhopal, CPCB and Chhattisgarh Environment Conservation Board (CECB) once in six months.	3 LTPA (Sponge Iron)	03 nos. ESP (each 3 field)	04 nos bag house	04 nos. Vent Filter	Installed Dry Fog system	
		CPP (10+4.5 & 34 MW)	03no. ESP (3 & 5 Field)	03 no. Bag house	03 no. vent filter		
		IF-Billets (3.0551tpa)	-	01 no. Bag house			
		9.0 LTPA (Pellet)	03 nos. ESP (3 Field),	01 no. Bag house,			
		Rolling Mill (2.73 LTPA)	Online rolling no reheating furnace				
		- Online stack emission monitoring system in all stacks has been installed and connected with the server of SPCB/ CPCB. The website, URL, username and password for the same is as under- For CPCB http://envirofront.m2mlogger.com Username- sanjay.parihar@msprgh.mspsteel.com Password- Primaeq@0133 URL- www.cpcb.swanenviron.com. Username- MSP_Steel Password- MSP_Steel@456 For CECB URL- www.ceb.swanenviron.com. Username- MSPSteel Password- MSPSteel@321 - Online AAQMS is installed to monitor ambient air quality. - Continuous data transmission has been provided on both servers.					

ii	As proposed, electrostatic precipitator (ESP) shall be provided to DRI plant, Sinter Plant, Iron Ore agglomeration unit. WHRB and ABC boilers to control air emissions within 100 mg/Nm ³ Gas cleaning plant having dust catcher and bag filter shall be provided to blast furnace (BF) and BF gas shall be used for power generation. Ventury scrubbers shall be provided to Rolling Mill.	Complied - ESP capacity is adequate to maintain emission within permissible level. - Blast Furnace condition noted & shall follow on establishment of project. - On line rolling process is adopted and unit is not using re-heating furnace in the Rolling Mills.
iii	Hot gases from DRI kiln shall be passed through Dust Settling Chamber (DSC) to remove coarse solids and After Burning Chamber (ABC) to burn CO completely and used in waste heat recovery boiler (WHRB) The gas then shall be cleaned in ESP before leaving out into the atmosphere through ID fan and stack. Blast Furnace gas shall be used for power generation.	Complied - All kilns is equipped with DSC & ABC to burn CO and used in WHRB. - Gas is cleaned in ESP before leaving out into the atmosphere through ID fan and stack. - Emission control system is installed as mentioned in clause (I) - Condition for BF will be followed while establish the plant.
iv	Gaseous emission levels including secondary fugitive emission from blast furnace and sinter plant shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored Guidelines I Code of Practice issued by the CPCB shall be followed, The emission standards issued by the ministry in May 2008 for the sponge plants shall be followed.	Complied - Noted the conditions. - Norms will be followed while establish the BF project & Sinter plant project.
v	vehicular pollution due to transportation of raw material and finished product shall be controlled, Proper arrangements shall also be made to control dust emission during loading and unloading of the raw material and finished product, All the raw materials ,including fly ash shall be transported in the closed containers only and shall not be overloaded Vehicular emission shall be regularly monitored.	Complied Control of vehicular pollution -Raw material: Transported in covered vehicle and water spraying system at unloading point of ground hopper. - Finish Product: Covered vehicle and stored in silo. - Fly ash transfer to silo through pneumatic conveying system, moisturize during loading and transported in enclosed condition.
vi	In plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials/coal handling etc, shall be provided, Further, specific measures like provision of dust suppression system consisting of water sprinkling, suction hoods, fans and bag filters etc. shall be	Complied - Proper control & monitoring devices are installed as shown in Annex. I

	installed at material transfer points and other enclosed raw material handling areas to control fugitive emissions, Centralized de-dusting system i.e. collection of fugitive emissions through suction hood and subsequent treatment through bag filter or any other device and finally emitted through a stack of appropriately designed height conforming to the standards shall be provided. Dust extraction system with bag filters shall be provided in coal crushing, screening, cooler discharge areas, product separation areas etc and by providing covered sheds to control fugitive emissions Fugitive emissions shall be regularly monitored and records maintained,	- Fugitive emission monitored and all records maintained. - Additional water spraying system (Road side) installed where it is required.
vii	Total water requirement from Sarnai River / Kurnala for the expansion shall not exceed to 6701.2 m³/day as per the permission accorded by the Water Resource Department. Govt. of Chhattisgarh. No ground water shall be used in BF-GCP and coal washery water shall be treated in the thickener and properly used, Acidic and Alkaline effluent from DM water plant shall be neutralized and reused in the plant. All the other waste water shall be treated in effluent treatment Plant (ETP) and used for ash conditioning, dust suppression and green belt development. No waste water shall be discharged outside the premises and 'Zero' effluent discharge shall be ensured, Domestic effluent will be treated in Septic Tank followed by soak pit.	Complied - Water consumption does not exceed the quantity approved in EC - - Coal washery is not in operation since for viability reason. - Waste water from RO DM plant is neutralized and re used for dust suppression and green belt development. - ETP, installed and waste water treated and used in ash conditioner. Test report of NABL accredited & CECB approved lab. Attached as Annex-II - Domestic effluent is treated in septic tank by soak pit. - We ensure Zero discharge of water outside of premises. Flow meter and camera at generation point and discharge line is installed. Online Data transmission provided to server of CPCB / CECB.
viii	Prior permission for the drawl of 6,701.2 m³/day water from Sarnai River I Kurnala from the concerned department shall be obtained.	Complied Permission obtain for 2 MCM water from Sarnai/Kurnala from the Ministry of Water Resources Division, Raipur vide letter no. 6728 dated 11.11.2009. Our present requirement is within the permitted limit of 2MCM - Copy of above approval in this regard is attached herewith as Annex - III.
ix	The water consumption for the proposed steel plant shall not exceed 16 m³/Ton of steel as per prescribed	Complied

	standard	
x	Ground water monitoring around the solid waste disposal site I secured landfill (SLF) shall be carried out regularly and report submitted to the Ministry, regional Office at CECE, CPCB and SPCE.	- Water consumption is under prescribed standard. - Complied. Ground water quality is monitored at surrounding area of plant and nearby villages on six monthly, last monitoring report is attached herewith as Annex. IV - Ground water quality is not adversely affected by our unit.
xi	All the Char, coal washery rejects and middling should be used in AFBC based power- plant.; Granulated slag shall be sold to cement plant. All the other solid wastes including broken refractory mass shall be properly disposed off in environmental-friendly manner Oily waste shall be provided to authorized recyclers /re-processors'.	- Complied. - All Char & reject coal is used as fuel in our own AFBC Power plant. - Granulated slag is used in side road construction. - Broken waste refractories are sold to buyers. - Oil waste as used oil sold to authorize recyclers.
xii	AFBC Plant shall be installed before installation of Sponge Iron Plant so that utilization of char in the AFBC boiler is ensured. All the char from DRI plant and washery rejects shall be utilized in AFBC boiler of power plant and no char. shall be disposed off anywhere else. All the blast furnace (SF) slag shall be granulated and provided to cement manufacturers for further utilization. Ash from WHRB of DRI plant and AFBC boiler shall be given to brick making units/cement plants. Accretion slag, SMS slag and tailings shall be properly disposed off in environment-friendly manner.	- Complied. - Dolochar is used in our own CPP (AFBC and CFBC) Power Plants. - SMS slag, after metal recovery is used in the filling of low lying area within premises for upcoming project. - Blast furnace slag Nil.
xiii	No solid/hazardous waste like-fly ash and BF slag shall be disposed off in the abandoned mines Without proper permission from the concerned department. Waste oil shall be provided to registered recyclers / re-processors	- Blast furnace is yet to be installed. - Used oil sold to authorize recyclers with due clearance / Authorization from CECE. - Used oil analyzed for toxic metal composition before its disposal to authorized recycler. Test report attached as Annex-V
xiv	A time bound action plan shall be submitted to reduce solid waste. Its proper utilization and disposal to the Ministry's Regional Office at Bhopal, CECB/CPCB.	- Complied - The unit has submitted in the office of CPCB, Raipur and Raigarh a time bound action plan for utilization of solid waste.

xv	Proper handling storage utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use solid/hazardous waste shall be submitted to the Ministry's Regional Office at Bhopal, SPCB and CPCB.	Complied. - All Char & reject coal is used as fuel in our own AFBC Power Plant. - Granulated slag is used in side road construction. - Broken waste refractories are sold to buyers. - Oil waste as used oil sold to authorized recyclers. - Solid waste (Fly ash, Bed ash, SMS Slag and SMS Bag filter dust tested for toxic metal composition, finding of the report is satisfying the permissible norms Annex-VI
xvi	Proper utilization of fly ash shall be ensured as per Fly ash Notification, 1999 as amendment In 2003. Ash shall be stored in silo and given to cement plants /brick manufacturers for further utilization.	Complied. - Fly ash is temporarily stored at designated area. Disposal of the same is made by supplying to cement unit, Brick making and low land filling free of cost.
xvii	As proposed, green belt shall be developed in 180 acres (33 %) out of total 541 acres Within and around the plant premises as per the CPCB guidelines in consultation with DFO.	Complied. - We have already completed 33% of green belt development as per CPCB guideline. Third party audit report in this regard submitted in the office of RO. CECB. As on date about 33% trees are planted for green belt purpose.
xviii	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Steel Sector shall be implemented.	- Various CSR activities carried out under advice from District Administration. - CREP policy is not applicable at this stage.
xix	The company shall provide housing for construction labour within the site with all necessary Infrastructure and facilities such as fuel for Cooking. Mobile toilets. Mobile STP. Safe drinking water, medical health care, crèche etc. The housing may be In the form of temporary structures to be removed after the completion of the project	Complied. - At project stage temporary housing facility with all amenities are provided and removed after completion of project. - During operation stage separate housing facility provided, away from Factory premises.
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	- The unit followed strictly the stipulations made by the CECB and the State Government. - CTE/CTO obtained on satisfactory compliance are made.



MSP Steel and Power Limited, Jamgaon, Raigarh C.G.

ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	- Noted and shall follow the same.
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 location At no lime the emission level shall go beyond the prescribed standards.	Complied. - Gaseous emission from stack ie Sox and NOx is monitored through CEMS and data uploaded to the server of SPCEB/CPCB. - Measures taken for effective control of pollution by proper maintenance of pollution control devices.
iv	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO2 and NOx are anticipated in consultation with the CECB. 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 months	Complied. - AAQMS and CEMS are installed and data uploaded on line as per guide line.
v	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 form tune to time, The treated waste water shall be utilized for plantation purpose	Complied. - Industrial waste such as boiler blow down water and used in dust conditioner and sprinklers. - RO reject water neutralize and used in road spraying. - Waste water treated in ETP and use for dust conditioner and plantation.
vi	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 (Night Time)	Complied. - Regular monitoring of vibration carried out to control Noise. - Acrostatic hoods, silencers are provided with DG sets - Environmental cell monitoring noise both work zone & Ambient air twice in a month and no abnormality has been observed.
vii	Occupational Health Surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act	Complied. - Industry has Occupational Health centre in the premises where health checkup done periodically and record maintained. - Health checkup report submitted with the office of Industrial Health & Safety, Raigarh.

viii	The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Complied - The unit has adopted rain water harvesting techniques with provision for collection of roof water & runoff water for recharge of ground water level.
ix	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIAEMP report. Further, the company must undertake socioeconomic development activities in the surrounding villages like community development programmes, Educational Programmes, drinking water supply and health care etc.	Complied Community development carried out under District administration. - Health care camps. - Education. By providing teacher. - Ambulance service for villagers. - Drinking water.
x	Adequate funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhopal. The funds so provided shall not be diverted for any other purpose.	Complied - Proper pollution control devices as shown in the Annex. I are installed and maintained by our in house Environment management cell.
xi	The Regional Office of the Ministry at Bhopal/ CPCB/CECB will monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Complied - The Regional Officer CECB, time to time visits the plant and monitors the Environmental emissions. - Last Six month monitoring data for Stack Air, Ambient air, fugitive emission, Noise monitoring (Ambient & work zone) and drinking water attached herewith Annex. VII
xii	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the 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	Complied - We had made a publication of the said matter in two local newspapers with a view to inform the public that the project has been accorded environmental clearance by the Ministry and copies of 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 - Copies of EC is made available to public and administration. - AAQMS & CEMS data is uploaded online to CECB / CPCB server.

	and a copy of the same should be forwarded to the Regional office	- Display board is installed to display operational status.
xiii	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	- Complied - Concerned regional authority was made aware the financial closure in due course of time.
7	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	- We have noted the point.
8	The Ministry reserves the right to stipulate additional conditions if found necessary the company in a time bound manner shall implement these conditions	- We have noted the point.
9	Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997	- We have noted the point.
10	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974. The Air (Prevention & Control of Pollution) Act, 1981. The Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.	- We have noted the point.

COMPLIANCE OF CONDITIONS ADDED IN THE ENVIRONMENTAL CLEARANCE GRANTED BY MOEF, NEW DELHI VIDE F. NO. J-11011/267/2007-IA II (I) DATED 09.09.2010. Status for the period of April 2019-Sept. 2019

SN	Conditions	Compliance Status
i	The company shall comply with all the conditions stipulated vide Ministry's letter no, J-11011/267/2007- IA-I' (I) dated 2 nd April, 2009	-We are complying with the conditions stipulated vide Ministry's letter no, J-11011/267/2007- IA-II (I) dated 2 nd April, 2009
ii	The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 2261 E: dated 16 th November, 2009 shall be followed	- Complied.
iii	The water consumption shall not exceed the existing capacity of 6701.2 m ³ /day.	Complied. -No incidence of any excess consumption.
iv	The proposed change in configuration shall be implemented in the existing land area of 541 acres no additional land shall be acquired	Noted and shall follow the same.
v	Efforts shall be made to use maximum water from the rain water harvesting sources, if needed capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	Complied. -The unit has adopted rain water harvesting system with provision for collection of roof water & runoff water to recharge of ground water level and for use in plant as well.
vi	Use of air cooled condensers shall be explored and closed circuit cooling system shall be provided to reduce water consumption and water requirement shall be modified accordingly. All the effluent shall be treated and used for ash handling, dust suppression and green bell development No effluent shall be discharged and 'zero' discharge shall be adopted.	Complied. - Industrial waste such as boiler blow down water and used in dust conditioner and sprinklers. - RO reject water neutralize and used in road spraying. - Waste water treated in ETP and use for dust conditioner and plantation.
vii	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad I Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent	Complied. -Copy of clearance letter was sent to concerned local bodies.

viii	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely: RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	-Complied. - PM₁₀, PM_{2.5} SO₂, NO_x in ambient air & PM, SO₂ & NO_x at Stack monitored & displayed at Main gate month wise. - AAQMS and CEMS installed and online data uploaded as per guide line.
ix	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both In hard copies as well as by e-mail) to the respective Regional Office of MOEF, the respective Zonal Office of CPCB and the CWCB. The Regional Office of this Ministry at Bhopal/CPCB/CECB shall monitor the stipulated conditions.	- Complied. -We have noted point and complied accordingly.
x	The environmental statement for each financial year ending 31st March in Form-V as mandated to be submitted by the project proponent to the concerned state Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently. shall also be put on the website of the company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail	- Complied. -The Environmental Statement is being submitted annually on regular basis. The copy of the same is also submitted to the office of Regional Officer, CPCB, Raigarh (C.G.)
xi	In case of change in the scope of the project, the unit shall obtain fresh environmental clearance	-We shall surely obtain a fresh environmental clearance if there is any change in the scope of the project.



MSP Steel and Power Limited, Jamgaon. Raigarh CG.

Effluent Water Analysis Report

Annex -II

Format No.: UES/FORM/09



Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer TO, MSP STEEL & POWER LIMITED VILLAGE - JAMGAON, POST - JAMGAON, DIST-RAIGARH, 496001 (CHHATTISGARH)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>REPORT NO</td> <td>UES/TR/19-20/09453</td> </tr> <tr> <td>LAB REF NO</td> <td>UES/19-20/W/9410-9412</td> </tr> <tr> <td>DATE OF SAMPLING</td> <td>23/09/2019</td> </tr> <tr> <td>DATE OF RECEIPT</td> <td>25/09/2019</td> </tr> <tr> <td>DATE OF REPORT</td> <td>30/09/2019</td> </tr> <tr> <td>DATE OF ANALYSIS</td> <td>START: 25/09/2019 END: 30/09/2019</td> </tr> </table>		REPORT NO	UES/TR/19-20/09453	LAB REF NO	UES/19-20/W/9410-9412	DATE OF SAMPLING	23/09/2019	DATE OF RECEIPT	25/09/2019	DATE OF REPORT	30/09/2019	DATE OF ANALYSIS	START: 25/09/2019 END: 30/09/2019
REPORT NO	UES/TR/19-20/09453														
LAB REF NO	UES/19-20/W/9410-9412														
DATE OF SAMPLING	23/09/2019														
DATE OF RECEIPT	25/09/2019														
DATE OF REPORT	30/09/2019														
DATE OF ANALYSIS	START: 25/09/2019 END: 30/09/2019														
SAMPLE DETAILS															
Customer Ref. No.	RD199-000007 , DATED: 07/09/2019														
Sample Type	EFFLUENT WATER														
Customer Sample ID	1. CPP-1 2. CPP-2 3. STP Water														
Packing Of Sample	Plastic Bottle (Sealed)														
Sample Collected By	Laboratory Chemist														
Quantity Received	Approx. 5 Ltr. each														

TEST REPORT							
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMITS AS PER CONSENT	RESULT		
					CPP-1	CPP-2	STP Water
1	pH Value at 25.4°C	-	IS:3025: (Part-11)	5.5 To 9.0	7.24	7.54	7.98
2	Total Suspended Solid	mg/L	IS:3025: (Part-17)	100	27.0	21.6	24.8
3	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	-	452.4	163.7	254.5
4	Chemical Oxygen Demand	mg/L	IS:3025: (Part-58)	250	80.0	40.0	38.0
5	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025: (Part-44)	30	18.2	9.8	9.6
6	Oil & Grease	mg/L	IS:3025: (Part 39)	10	N.D.	N.D.	N.D.
7	Total Coliform	MPN/100ml	IS:1622:1981: RA:2014	-	Absent	Absent	4.0

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only

 PREPARED BY	 AUTHORIZED SIGNATORY	For ULTIMATE ENVIROLYTICAL SOLUTIONS
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-----End of the test report-----

Water Draw Approval

Annex -III

छत्तीसगढ़ शासन
जल संसाधन विभाग
मंत्रालय
केपिटल कॉम्प्लेक्स, महानदी भवन,
नया रायपुर (छ.ग.)

क्रमांक...../273/जसं/तशा/औजप्र/05/डी-4, नया रायपुर दिनांक /04/2013
प्रति,

मुख्य अभियंता,
हसदेव कछार,
जल संसाधन विभाग,
बिलासपुर (छ.ग.)

विषय:- मेसर्स एम.एस.पी. स्टील एण्ड पॉवर लि., कोलकाता द्वारा, जिला एवं ब्लॉक-रायगढ़ द्वारा, ग्राम-जामगाँव के निकट स्थापित एवं विस्तार हेतु प्रस्तावित इंटीग्रेटेड स्टील एवं 96 मेगावाट केपिटल पॉवर प्लांट हेतु कुर नाला से स्वीकृति 15.00 मि.घ.मी. वार्षिक जल आबंटन को कम कर 2.00 मि.घ.मी. वार्षिक करने बाबत स्वीकृति।

संदर्भ:- 1. शासन का पत्र क्रमांक-6727-6728/273/जसं/तशा/औजप्र/05/डी-4, दिनांक 11.11.2009.
2. प्र.अ.का पत्र क्रमांक-3451411/औजप्र/छ.ग./2012/15209-15210, दिनांक 25.10.2012.
3. शासन का पत्र क्रमांक-2704-2705/7/जसं/तशा/औजप्र/01/डी-4, दिनांक 07.03.2013.

विषयांतर्गत प्रकरण में राज्य जल संसाधन उपयोग समिति की 32वीं बैठक दिनांक 08.11.2012 में लिए गए निर्णयानुसार, मेसर्स एम.एस.पी. स्टील एण्ड पॉवर लि., कोलकाता (संस्थान) द्वारा जिला एवं ब्लॉक-रायगढ़, ग्राम-जामगाँव के निकट स्थापित एवं विस्तार हेतु प्रस्तावित इंटीग्रेटेड स्टील एवं 96 मेगावाट केपिटल पॉवर प्लांट हेतु कुर नाला में विभाग द्वारा निर्मित बहेरापाली एनीकट से आबंटित 15.00 मि.घ.मी. वार्षिक जल की मात्रा को कम कर 2.00 मि.घ.मी. वार्षिक करने की स्वीकृति प्रदान की जाती है।

संस्थान को आबंटित पुनरीक्षित 2.00 मि.घ.मी. वार्षिक जल के उपयोग के एवज में, शासन द्वारा समय-समय पर शासकीय स्रोत से जल प्रदाय हेतु निर्धारित जलदर पर देय योग्य जलकर का नियमानुसार भूगतान करने की संस्थान को बाध्यता होगी। प्रकरण में जल प्रदाय की शेष शर्तें शासन के मूल स्वीकृति पत्र क्रमांक-6727-6728/273/जसं/तशा/औजप्र/05/डी-4, दिनांक 11.11.2009 के अनुसार यथावत रहेगी।

सहपत्र:- शून्य।

सही
(याकुब खैरस)
उप सचिव
जल संसाधन विभाग,
मंत्रालय, रायपुर

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..2..

पृ.क्र. 3330...../273/जसं/तशा/औजप्र/05/डी-4, नया रायपुर दिनांक 6/04/2013
प्रतिलिपि:-

1. प्रमुख अभियंता, जल संसाधन विभाग, रायपुर को संदर्भित पत्रों के परिप्रेक्ष्य में सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।
2. अधीक्षण अभियंता, जल संसाधन मण्डल, रायगढ़, एवं
3. कार्यपालन अभियंता, जल संसाधन संभाग, रायगढ़ (छ.ग.)

को संदर्भित पत्र क्र-1 के परिप्रेक्ष्य में सूचनार्थ एवं शीघ्र आवश्यक कार्यवाही हेतु अग्रेषित।

4. संयुक्त संचालक, राज्य निवेश प्रोत्साहन बोर्ड, रेणुका द्वार, शास्त्री चौक, रायपुर को संदर्भित पत्र क्र-1 के परिप्रेक्ष्य में सूचनार्थ अग्रेषित।
- ✓ 5. महाप्रबंधक, एम.एस.पी. स्टील एण्ड पॉवर लि., ग्राम तथा पोस्ट-जामगाँव, जिला-रायगढ़ (छ.ग.)-496001 को उनके पत्र दिनांक 10.08.2012 के संदर्भ में सूचनार्थ एवं शीघ्र आवश्यक कार्यवाही हेतु अग्रेषित।

सहपत्र:- शून्य।

उप सचिव
जल संसाधन विभाग
मंत्रालय, रायपुर

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Ground water analysis report

Annex –IV

Annex - IV							
MSP STEEL & POWER LIMITED							
Jamgaon, Raigarh. C.G.							
Ground Water Testing Report for the Month of JUNE -19 & SEPTEMBER -19							
				JUNE -19		SEPTEMBER -19	
SL.NO	PARAMETERS	UNIT	Limit	JAMGA	MANUAPALI	JAMGA	MANUAPALI
1	Appearance	-	Clear	Clear	Clear	Clear	Clear
2	Odour	-	**	odorless	odorless	odorless	odorless
3	pH	--	6.5 – 8.5	6.9	6.8	6.8	6.9
4	TSS	mg/l	**	2	1	1	0
5	TDS	mg/l	500 – 2000	56	224	58	227
6	Turbidity	NTU	1 – 5	1.2	0.9	1	0.6
7	conductivity	µs/cm	**	85	340	88	345
8	T. Alkalinity	ppm	200 – 600	25	58	22	57
9	T. Hardness	ppm	300 – 600	30	70	38	60
10	Calcium	ppm	75 – 200	20	40	26	40
11	Magnesium	ppm	30 – 100	10	30	12	20
12	Chloride	ppm	250 – 1000	12.0	42	13.0	43
13	Silica	ppm	**	21	20	19	21
14	Iron	ppm	0.30 – 1.0	0.032	0.422	0.035	0.432

Note:-** Limit Not mention. Drinking water Specification Tolerance Limit as per IS:10500,2009.

Used Oil Analysis Report

Annex – V

Format No.: UES/FORM/09



Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

To,
MSP STEEL & POWER LIMITED
VILLAGE - JAMGAON ,
POST - JAMGAON, DIST-RAIGARH, 496001
(CHHATTISGARH)

REPORT NO	UES/TR/19-20/09455
LAB REF NO	UES/19-20/MISC/9408
DATE OF SAMPLING	23/09/2019
DATE OF RECEIPT	25/09/2019
DATE OF REPORT	30/09/2019
DATE OF ANALYSIS	START: 25/09/2019 END: 30/09/2019

SAMPLE DETAILS

Customer Ref. No.	RD199-000007 , DATED: 07/09/2019
Customer Sample Id / Sampling Location	Main Store
Sample Type	Used Oil
Sample Collected By	Laboratory Chemist
Packing Of Sample	Plastic Bottle (Sealed)
Quantity received	Approx. 1 LTR.

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	RESULT
1	Iron as Fe	mg / kg	USEPA METHOD-1311	N.D.
2	Manganese as Mn	mg / kg	USEPA METHOD-1311	140.26
3	Zinc as Zn	mg / kg	USEPA METHOD-1311	20.07
4	Lead as Pb	mg / kg	USEPA METHOD-1311	5.22
5	Cadmium as Cd	mg / kg	USEPA METHOD-1311	1.61
6	Copper as Cu	mg / kg	USEPA METHOD-1311	1.63
7	Tin as Sn	mg / kg	USEPA METHOD-1311	N.D.
8	Chromium as Cr	mg / kg	USEPA METHOD-1311	11.83
9	Arsenic as As	mg / kg	USEPA METHOD-1311	N.D.
10	Mercury as Hg	mg / kg	USEPA METHOD-1311	N.D.
11	Barium as Ba	mg / kg	USEPA METHOD-1311	N.D.
12	Aluminium as Al	mg / kg	USEPA METHOD-1311	N.D.

Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
- This is for information as the party has asked for above test(s) only



PREPARED BY



For **ULTIMATE ENVIROLYTICAL SOLUTIONS**



AUTHORIZED SIGNATORY

-----End of the test report-----

Solid Waste Analysis Report

Annex –VI

Format No.- UES/FORM/08



Ultimate
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KARIH NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer

To,
MSP STEEL & POWER LIMITED
VILLAGE – JAMGAON,
POST - JAMGAON, DIST-RAIGARH,
496001 (CHHATTISGARH)

REPORT NO.	UES/TR/19-20/09458
LAB REF NO.	UES/19-20/MISC/9402,9405,9406,9422
DATE OF SAMPLING	23/09/2019
DATE OF RECEIPT	25/09/2019
DATE OF REPORT	30/09/2019
DATE OF ANALYSIS	START: 25/09/2019 END: 30/09/2019

SAMPLE DETAILS

Customer Sample Id / Sampling Location	1. SMS Bag Filter 2. SMS Slag Crusher 3. CPP Bottom Ash 4. CPP Fly Ash
Sample Type	Miscellaneous
Sample Collected By	Lab. Chemist

Customer Ref. No. & Date	RD199-000007, DATED: 07/09/2019
Sample Condition At Receipt	Ok
Quantity Received	1 kg each

TEST REPORT

SR. NO.	PARAMETER	UNIT	METHOD OF TEST	LIMIT	RESULT			
					SMS Bag Filter	SMS Slag Crusher	CPP Bottom Ash	CPP Fly Ash
1	Arsenic as As	mg/kg	USEPA METHOD-1311	50	N.D.	N.D.	N.D.	N.D.
2	Cadmium as Cd	mg/kg	USEPA METHOD-1311	50	32.5	40.2	39.6	26.4
3	Lead as Pb	mg/kg	USEPA METHOD-1311	5000	168.4	220.0	136.2	120.0
4	Cobalt as Co	mg/kg	USEPA METHOD-1311	80000	N.D.	N.D.	N.D.	N.D.
5	Mercury as Hg	mg/kg	USEPA METHOD-1311	50	N.D.	N.D.	N.D.	N.D.
6	Nickel as Ni	mg/kg	USEPA METHOD-1311	20000	N.D.	N.D.	N.D.	N.D.
7	Chromium as Cr	mg/kg	USEPA METHOD-1311	5000	145.2	103.0	104.6	92.0
8	Zinc as Zn	mg/kg	USEPA METHOD-1311	20000	64.2	78.2	70.2	64.0
9	Copper as Cu	mg/kg	USEPA METHOD-1311	5000	29.5	38.5	29.6	21.7

Note: N.D. – Not Detected

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

> The report for publication, arbitration or as legal dispute is forbidden.
> Test sample will be retained for 07 days after issue of test report unless otherwise agreed with customer.
> This is for information as the party has asked for above test(s) only


PREPARED BY



For ULTIMATE ENVIROLYTICAL SOLUTIONS


AUTHORIZED SIGNATORY

-----End of the test report-----



ANNEX -VII											
MSP STEEL & POWER LIMITED											
Drinking Water Testing Report											
SL.NO	PARAMETERS	UNIT	Limit	APRIL -19				MAY -19			
				Guest House	ADMIN BUILDING	PELLET PLANT CANTEEN	MSP COLONY	Guest House	ADMIN BUILDING	PELLET PLANT CANTEEN	MSP COLONY
1	Appearance	-	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
2	Odour	-	**	O dour less	O dour less	O dour less	O dour less	O dour less	O dour less	O dour less	O dour less
3	pH	--	6.5 – 8.5	6.5	6.6	6.7	6.6	6.5	6.5	6.8	6.5
4	TSS	mg/l	**	1	2	4	2	2	1	3	1
5	TDS	mg/l	500 – 2000	59	118	356	60	60	120	360	60
6	Turbidity	NTU	1 – 5	0.4	0.2	0.8	0.2	0.5	0.3	0.6	0.2
7	conductivity	µs/cm	**	90.4	180	540	92.3	92.3	184	544	92.8
8	T. Alkalinity	ppm	200 – 600	40	38	76	74	42	38	80	78
9	T. Hardness	ppm	300 – 600	38	32	70	60	34	32	72	62
10	Calcium	ppm	75 – 200	26	20	46	40	22	20	48	40
11	Magnesium	ppm	30 – 100	12	12	24	20	12	12	24	22
12	Chloride	ppm	250 – 1000	14	16	18	20	12	14	16	20
13	Silica	ppm	**	16	18	12	18	18	16	18	16
14	Iron	ppm	0.30 – 1.0	0.080	0.040	0.160	0.030	0.082	0.038	0.040	0.035

Note:-** Limit Not mention. Drinking water Specification Tolerance Limit as per IS:10500,2009.

ANNEX -VII											
MSP STEEL & POWER LIMITED											
Drinking Water Testing Report											
SL.NO	PARAMETERS	UNIT	Limit	JUNE -19				JULY -19			
				Guest House	ADMIN BUILDING	PELLET PLANT CANTEEN	MSP COLONY	Guest House	ADMIN BUILDING	PELLET PLANT CANTEEN	MSP COLONY
1	Appearance	-	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
2	Odour	-	**	O dour less	O dour less	O dour less	O dour less	O dour less	O dour less	O dour less	O dour less
3	pH	--	6.5 – 8.5	6.7	6.6	6.7	6.6	6.5	6.9	6.7	6.6
4	TSS	mg/l	**	3	2	2	1	4	2	2	1
5	TDS	mg/l	500 – 2000	60	125	370	64	40	92	402	64
6	Turbidity	NTU	1 – 5	0.7	0.4	0.7	0.4	0.6	0.3	1.2	0.3
7	conductivity	µs/cm	**	92.4	190	562	98.2	60.3	140	610	98.2
8	T. Alkalinity	ppm	200 – 600	36	32	84	72	30	70	122	84
9	T. Hardness	ppm	300 – 600	38	28	74	60	28	48	98	76
10	Calcium	ppm	75 – 200	26	18	48	38	18	32	64	50
11	Magnesium	ppm	30 – 100	12	10	26	22	10	16	34	26
12	Chloride	ppm	250 – 1000	14	12	22	24	16	14	26	22
13	Silica	ppm	**	16	16	16	22	18	16	20	18
14	Iron	ppm	0.30 – 1.0	0.090	0.040	0.048	0.042	0.082	0.038	0.140	0.034
Note:-** Limit Not mention. Drinking water Specification Tolerance Limit as per IS:10500,2009.											



ANNEX -VII											
MSP STEEL & POWER LIMITED											
Drinking Water Testing Report											
SL.NO	PARAMETERS	UNIT	Limit	AUGUST -19				SEPTEMBER -19			
				Guest House	ADMIN BUILDING	PELLET PLANT CANTEEN	MSP COLONY	Guest House	ADMIN BUILDING	PELLET PLANT CANTEEN	MSP COLONY
1	Appearance	-	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear	Clear
2	Odour	-	**	O dour less	O dour less	O dour less	O dour less	O dour less	O dour less	O dour less	O dour less
3	pH	--	6.5 – 8.5	6.5	6.9	6.8	6.7	6.6	6.7	6.8	6.5
4	TSS	mg/l	**	2	1	4	2	4	1	4	2
5	TDS	mg/l	500 – 2000	42	86	404	60	44	112	406	62
6	Turbidity	NTU	1 – 5	0.5	0.3	0.9	0.3	0.6	0.2	0.8	0.4
7	conductivity	µs/cm	**	64.3	130	614	90.3	66.4	170	618	94.4
8	T. Alkalinity	ppm	200 – 600	24	78	110	92	26	80	112	98
9	T. Hardness	ppm	300 – 600	22	58	102	86	24	60	104	88
10	Calcium	ppm	75 – 200	14	38	68	56	16	40	68	58
11	Magnesium	ppm	30 – 100	8	20	34	30	8	20	36	30
12	Chloride	ppm	250 – 1000	18	16	24	20	16	22	26	22
13	Silica	ppm	**	16	14	20	16	14	16	22	18
14	Iron	ppm	0.30 – 1.0	0.088	0.032	0.110	0.034	0.080	0.048	0.118	0.040

Note:-** Limit Not mention. Drinking water Specification Tolerance Limit as per IS:10500,2009.



Annex -VII												
MSP STEEL & POWER LIMITED												
Jamgaon, Raigarh. C.G.												
Ambient air noise monitoring report for the period of Apr - 19 to Sept-19												
LOCATION	APRIL-19		MAY-19		JUNE-19		JULY-19		AUG-19		SEPT-19	
	Day Time Norms-Max. 75 dB(A)	Night time Norms-Max. 70 dB(A)	Day Time Norms-Max. 75 dB(A)	Night time Norms-Max. 70 dB(A)	Day Time Norms-Max. 75 dB(A)	Night time Norms-Max. 70 dB(A)	Day Time Norms-Max. 75 dB(A)	Night time Norms-Max. 70 dB(A)	Day Time Norms-Max. 75 dB(A)	Night time Norms-Max. 70 dB(A)	Day Time Norms-Max. 75 dB(A)	Night time Norms-Max. 70 dB(A)
Guest house	65.3	59.3	65.2	58.2	64.8	58.7	65.2	59.3	66.2	59.4	66.3	59.2
Admin Building	66.4	60.2	66.1	59.8	66.3	58.2	66.1	59.8	65.2	60.2	66.1	60.3
Steel Yard RMS	64.8	60.3	64.2	60.1	64.6	59.4	64.8	58.4	63.2	59.8	62.5	58.3
Gate No.-3	66.3	61.2	66.2	60.4	66.4	59.8	66.3	59.8	66.4	60.2	66.4	61.2
CPP (34 MW) Gate	65.8	60.4	64.8	59.8	64.5	60.2	65.6	60.2	64.6	60.2	65.6	60.4
Pellet plant gate	66.2	61.3	65.2	60.2	64.9	60.3	65.3	60.3	65.8	60.3	66.5	60.5
Back Side of Coal washery Road	66.7	60.2	66.2	59.8	66.3	60.4	65.8	59.8	66.2	60.3	67.5	60.4
Remarks:- As per CPCB Standards Day Time Norms-Max. 75 dB(A) & Night time Norms-Max. 70 dB(A) make:- Envirotech Model No: SLM100 Calibrated by M/S Universal Scientific Equipment and services,Aligarh, CERTIFICATE No. USC/SLM/01												



MSP Steel and Power Limited, Jamgaon. Raigarh CG.

Annex -VII						
MSP Steel and Power Limited						
Jamgaon, Raigarh. C.G.						
Ambient air monitoring (PM10) Report for the period of APRIL -19 to SEPT -19						
LOCATION	APR-19	MAY-19	JUN-19	JUL -19	AUG-19	SEPT-19
Guest House	63	72	78	52	38	70
Admin Building	73	74	78	50	35	66
Steel yard RMS	69	81	76	55	32	62
Pellet Plant Gate	75	74	84	56	33	65
MSP Colony	52	62	65	32	22	42
Remarks:- PM10 Limit 100 (µg/m3) As per CPCB Standards, Make :- Envirotech, Model No:- APM550, Calibrated by M/S UNIVERSAL SCIENTIFIC INSTRUMENT AND CALIBRATION,ALIGARH Calibration No. USI/FPS/01						

AN ISO: 9001:2015 / ISO: 14001:2015 / ISO 45001:2018 CERTIFIED LABORATORY



MSP Steel and Power Limited, Jamgaon. Raigarh CG.

Annex -VII							
MSP STEEL & POWER LIMITED							
Jamgaon, Raigarh. C.G.							
Stack monitoring Report for the period of APR-19 to SEPT -19							
Stack Name	Stack Attached with	APR- 19	MAY -19	JUN-19	JUL-19	AUG-19	SEPT-19
Stack -1	WHRB 1 & 2 (2LTPA)	44	44	40	41	44	40
Stack -2	WHRB 4 (1 LTPA)	45	41	36	32	38	38
Stack -3	AFBC 4.5MW & CFBC 10 MW	47	39	38	30	36	42
Stack -4	34 MW-CPP	43	45	41	45	47	47
Stack -5	Pellet -1	41	39	32	33	30	43
Stack -6	Pellet -2	39	43	38	35	32	38
Remarks:- PM Limit is 50 MG/Nm³ As per CPCB Standards, Make :- Vyobdhan Model No:-VSS 1, Calibrated by by M/S UNIVERSAL SCIENTIFIC INSTRUMENT AND CALIBRATION,ALIGARH CERTIFICATE No. USC/SS/02							

Stack Air Monitoring Report

ANNEX-VII

Format No.: UES/FORM/09



HDD-272, PHASE III- NEAR JP CHOWK.
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

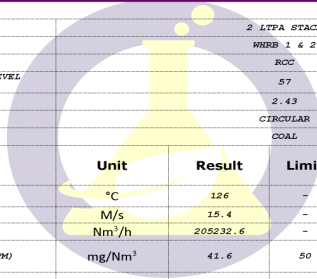
Name & Address Of The Customer
To,
MSP Steel & Power Limited
Village - Jamgaon,
Post - Jamgaon, Dist. - Raigarh,
496001(Chhattisgarh)

REPORT NO
UES/TR/19-20/09444
LAB REF NO
UES/19-20/ST/9444
DATE OF SAMPLING
23/09/2019
DATE OF RECEIPT
25/09/2019
DATE OF REPORT
30/09/2019
DATE OF ANALYSIS
START:25/09/2019 END:30/09/2019

SAMPLE DETAILS
MONITORING FOR
CUSTOMER REF. NO. & DATE
RD199-000007, DATED: 07/09/2019
SAMPLING LOCATION
2 LTFA STACK
SAMPLE COLLECTED BY
LABORATORY CHEMIST
SAMPLING PROCEDURE
IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING
THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.

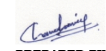
TEST REPORT

Stack details
STACK IDENTITY
2 LTFA STACK
STACK ATTACHED TO
WHRS 1 & 2
MATERIAL OF CONSTRUCTION
RCC
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)
57
STACK DIAMETER
2.43
STACK SHAPE AT TOP
CIRCULAR
TYPE OF FUEL
COAL



Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	126	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	15.4	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm³/h	205232.6	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm³	41.6	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO₂)	mg/Nm³	252	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NOₓ)	mg/Nm³	86	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	%	7.1	-	IS 5182 (Part 10) :2003

REMARKS: RESULTS ARE AS ABOVE
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PREPARED BY




AUTHORIZED SIGNATORY

End of the test report.....

AN ISO: 9001:2015 | ISO: 14001:2015 | ISO 45001:2018 CERTIFIED LABORATORY

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HDD-272, PHASE III- NEAR JP CHOWK.
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
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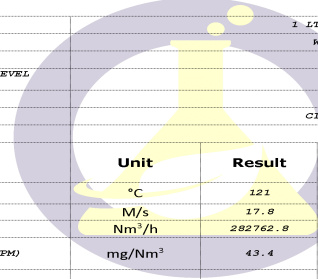
Name & Address Of The Customer
To,
MSP Steel & Power Limited
Village - Jamgaon,
Post - Jamgaon, Dist. - Raigarh,
496001(Chhattisgarh)

REPORT NO
UES/TR/19-20/09445
LAB REF NO
UES/19-20/ST/9445
DATE OF SAMPLING
23/09/2019
DATE OF RECEIPT
25/09/2019
DATE OF REPORT
30/09/2019
DATE OF ANALYSIS
START:25/09/2019 END:30/09/2019

SAMPLE DETAILS
MONITORING FOR
CUSTOMER REF. NO. & DATE
RD199-000007, DATED: 07/09/2019
SAMPLING LOCATION
1 LTFA STACK
SAMPLE COLLECTED BY
LABORATORY CHEMIST
SAMPLING PROCEDURE
IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING
THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.

TEST REPORT

Stack details
STACK IDENTITY
1 LTFA STACK
STACK ATTACHED TO
WHRS 4
MATERIAL OF CONSTRUCTION
RCC
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)
64
STACK DIAMETER
2.73
STACK SHAPE AT TOP
CIRCULAR
TYPE OF FUEL
COAL



Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	121	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	17.8	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm³/h	282762.8	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm³	43.4	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO₂)	mg/Nm³	261	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NOₓ)	mg/Nm³	81.2	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	%	8.0	-	IS 5182 (Part 10) :2003

REMARKS: RESULTS ARE AS ABOVE
Terms & conditions
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PREPARED BY




AUTHORIZED SIGNATORY

End of the test report.....

AN ISO: 9001:2015 | ISO: 14001:2015 | ISO 45001:2018 CERTIFIED LABORATORY



MSP Steel and Power Limited, Jamgaon. Raigarh CG.

Format No.: UES/FORM/09

 **Ultimate**
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UES/TR/19-20/09446	
To, MSP Steel & Power Limited Village - Jamgaon , Post - Jamgaon, Dist. - Raigarh, 496001(Chhattisgarh)		LAB REF NO	UES/19-20/ST/9446	
		DATE OF SAMPLING	23/09/2019	
		DATE OF RECEIPT	25/09/2019	
		DATE OF REPORT	30/09/2019	
		DATE OF ANALYSIS	START:25/09/2019	END:30/09/2019
SAMPLE DETAILS				
MONITORING FOR	STACK EMISSION MONITORING			
CUSTOMER REF. NO. & DATE	RD199-000007 , DATED: 07/09/2019			
SAMPLING LOCATION	4.5 MW & 10 MW STACK			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003			
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO ₂ : 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.			

TEST REPORT				
Stack details				
STACK IDENTITY	4.5 MW & 10 MW STACK			
STACK ATTACHED TO	BOILER			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	57			
STACK DIAMETER	2.43			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	RICE HUSK & COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	136	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	12.4	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	151281.3	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	45.7	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	290	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	91.5	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	%	9.3	-	IS 5182 (Part 10) :2003

REMARKS : RESULTS ARE AS ABOVE

Terms & conditions

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 PREPARED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS
		AUTHORIZED SIGNATORY

-----End of the test report-----

AN ISO: 9001:2015 | ISO: 14001:2015 | ISO 45001:2018 CERTIFIED LABORATORY

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 **Ultimate**
ENVIROLYTICAL SOLUTIONS

HDD-272, PHASE III- NEAR JP CHOWK,
RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099
PH - 0771- 4027777 | email - ultimatenviro@gmail.com

Name & Address Of The Customer		REPORT NO	UES/TR/19-20/09447	
To, MSP Steel & Power Limited Village - Jamgaon, Post - Jamgaon, Dist. - Raigarh, 496001(Chhattisgarh)		LAB REF NO	UES/19-20/ST/9447	
		DATE OF SAMPLING	24/09/2019	
		DATE OF RECEIPT	25/09/2019	
		DATE OF REPORT	30/09/2019	
		DATE OF ANALYSIS	START:25/09/2019	END:30/09/2019
SAMPLE DETAILS				
MONITORING FOR	STACK EMISSION MONITORING			
CUSTOMER REF. NO. & DATE	RD199-000007 , DATED: 07/09/2019			
SAMPLING LOCATION	CEP-2 STACK (34 MW)			
SAMPLE COLLECTED BY	LABORATORY CHEMIST			
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003			
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO ₂ : 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.			

TEST REPORT				
Stack details				
STACK IDENTITY	CEP-2 STACK			
STACK ATTACHED TO	BOILER			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	87			
STACK DIAMETER	3.0			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	160	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	21.5	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm ³ /h	380126.1	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm ³	46.4	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	278	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NO _x)	mg/Nm ³	85	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	%	12.1	-	IS 5182 (Part 10) :2003

REMARKS : RESULTS ARE AS ABOVE

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 PREPARED BY		For ULTIMATE ENVIROLYTICAL SOLUTIONS
		AUTHORIZED SIGNATORY

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AN ISO: 9001:2015 | ISO: 14001:2015 | ISO 45001:2018 CERTIFIED LABORATORY

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	HDD-272, PHASE III- NEAR JP CHOWK,	
	RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099	
	PH - 0771- 4027777 email - ultimatenviro@gmail.com	

To, MSP Steel & Power Limited Village - Jamgaon, Post - Jamgaon, Dist. - Raigarh, 496001(Chhattisgarh)	REPORT NO	UES/TR/19-20/09448	
	LAB REF NO	UES/19-20/ST/9448	
	DATE OF SAMPLING	25/09/2019	
	DATE OF RECEIPT	25/09/2019	
	DATE OF REPORT	30/09/2019	
	DATE OF ANALYSIS	START:25/09/2019	END:30/09/2019

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO. & DATE	RD199-000007 , DATED: 07/09/2019
SAMPLING LOCATION	PELLET-1 STACK
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.

TEST REPORT				
Stack details				
STACK IDENTITY	PELLET-1 STACK			
STACK ATTACHED TO	3 LTFA KILN			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	50			
STACK DIAMETER	3.0			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	118	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	16.2	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm³/h	302876.3	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm³	44.1	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO₂)	mg/Nm³	245	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NOₓ)	mg/Nm³	89	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	%	8.7	-	IS 5182 (Part 10) :2003

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		For ULTIMATE ENVIROLTYCAL SOLUTIONS
		AUTHORIZED SIGNATORY

End of the test report.....

Format No.: UES/FORM/09

	HDD-272, PHASE III- NEAR JP CHOWK,	
	RING ROAD NO -2, KABIR NAGAR, RAIPUR, C.G. -492099	
	PH - 0771- 4027777 email - ultimatenviro@gmail.com	

To, MSP Steel & Power Limited Village - Jamgaon, Post - Jamgaon, Dist. - Raigarh, 496001(Chhattisgarh)	REPORT NO	UES/TR/19-20/09449	
	LAB REF NO	UES/19-20/ST/9449	
	DATE OF SAMPLING	25/09/2019	
	DATE OF RECEIPT	25/09/2019	
	DATE OF REPORT	30/09/2019	
	DATE OF ANALYSIS	START:25/09/2019	END:30/09/2019

SAMPLE DETAILS	
MONITORING FOR	STACK EMISSION MONITORING
CUSTOMER REF. NO. & DATE	RD199-000007 , DATED: 07/09/2019
SAMPLING LOCATION	PELLET-2 STACK
SAMPLE COLLECTED BY	LABORATORY CHEMIST
SAMPLING PROCEDURE	IS 11255 PART 1,2:1985 REAFFIRMED 2009; PART 3:2008, PART 7:2005 REAFFIRMED 2012, IS 5182 (PART 10) :2003
SAMPLE QUANTITY/PACKING	THIMBLE: 1 X 1 NO., SO2: 30 ML X 1 NO. PVC BOTTLE, NOX: 25 ML X 1 NO. PVC BOTTLE, RUBBER BLADDER: 1 X 1 NO., HG: 500ML X 1 NO. GLASS BOTTLE & 500ML X 3 NO. PVC BOTTLE.

TEST REPORT				
Stack details				
STACK IDENTITY	PELLET-2 STACK			
STACK ATTACHED TO	6 LTFA KILN			
MATERIAL OF CONSTRUCTION	RCC			
STACK HEIGHT ABOVE GROUND LEVEL (MTR.)	50			
STACK DIAMETER	3.0			
STACK SHAPE AT TOP	CIRCULAR			
TYPE OF FUEL	COAL			
Parameter	Unit	Result	Limit	Method Reference
FLUE GAS TEMPERATURE	°C	124	-	IS 11255 (Part 3):2008
FLUE GAS VELOCITY	M/s	19.7	-	IS 11255 (Part 3):2008
TOTAL GAS QUANTITY	Nm³/h	361231.6	-	IS 11255 (Part 3):2008
TOTAL PARTICULATE MATTER (TPM)	mg/Nm³	47.6	50	IS 11255 (Part 1):1985, RA 2003
SULPHUR DIOXIDE (SO₂)	mg/Nm³	280	600	IS 11255 (Part 2):1985, RA 2003
OXIDES OF NITROGEN (NOₓ)	mg/Nm³	83	300	IS 11255 (Part 7):2005, RA 2012
CARBON MONOXIDE (CO)	%	10.1	-	IS 5182 (Part 10) :2003

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		For ULTIMATE ENVIROLTYCAL SOLUTIONS
		AUTHORIZED SIGNATORY

End of the test report.....



Annex -VII								
MSP STEEL & POWER LIMITED								
Jamgaon, Raigarh. C.G.								
Fugitive Dust Monitoring Report for the Period of APRIL -19 to SEPTEMBER -19								
SL.No	Division	Location	Results in µg/m3 (Limit is 2000 µg/m3)					
			APR-19	MAY-19	JUN-19	JUL-19	AUG-19	SEPT-19
1	SMS	Near QC Lab.	1785	1665	1578	1681	1652	1231
		Near Slag Crusher	1936	1863	1751	1681	1759	1865
2	RMD	NEAR QC LAB.	846	1436	1211	1405	1405	480
3	RMS	NEAR QC LAB.	861	1730	1225	839	839	870
4	LSM	NEAR OFFICE	632	745	863	1214	1214	598
5	SID	KILN-4 SEP.HOUSE	1650	1735	775	1435	1435	440
		BETWEEN KILN 1&2	1856	1478	1489	1418	1418	998
		RMP OLD CIRCUIT	1011	919	1370	1828	1828	1057
		NEW CIRCUIT	1729	649	1735	1970	1970	847
		KILN 1&2 PRODUCT HOUSE	1546	1018	1086	1781	1781	1869
6	CPP-1	ESP AREA	1838	1736	1719	1736	1751	1437
		CHP AREA	1534	1632	1836	500	500	655
7	PELLET PLANT	Near Benification	1851	1452	1321	1428	1435	1531
		Near Pellent Plant -2 ESP	1525	1665	1742	857	857	971
8	CPP -2	Near CHP Ground Hopper	1537	1631	1230	1432	1487	1731
		Near Boiler	888	925	1052	857	857	566
9	CW	Near Screen House	1741	1431	1432	1531	1447	1727
		Near Ground Hopper	1980	1652	1752	1598	1687	657
Remarks:- SPM Limit is 2000 (µg/m3) As per CPCB Standards, Make :- VAHIVAB EQUIPMENTS & SERVICES Model No:- VHVS 5BL Calibrated by M/S UNIVERSAL SCIENTIFIC INSTRUMENT AND CALIBRATION,ALIGARH CERTIFICATE No. USC/HVS/02								



ANNEX-VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of April -19 to Sept -19						
LOCATION / Division -SMS	APR-19	MAY -19	JUN-19	JUL-19	AUG-19	SEPT-19
Store	75.6	78.7	75.9	75.5	75.4	76.0
CCM1	84.4	84.5	84.3	83.2	81.8	84.9
CCM2	83.4	84.2	Shut down	83.2	84.7	83.8
18Ton furnace	84.8	82.2	82.8	83.7	83.7	84.0
18 ton mcc room	82.8	81.3	83.9	82.7	82.0	82.1
Crusher area	80.9	82.4	82.9	80.8	80.8	81.8
Workshop	76.8	80.8	78.8	76.6	76.4	76.5
Office	67.4	69.8	67.6	67.4	67.1	66.9
QC	80.3	80.5	80.4	80.5	80.5	80.5
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Make :- Envirotech, Model No:- APM550, Calibrated by M/S Universal Scientific Equipment and services,Aligarh, CERTIFICATE No. USIC/SLM/01						



ANNEX -VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of April -19 to Sept -19						
LOCATION / Division - SID &RMP	APR-19	MAY -19	JUN-19	JUL-19	AUG-19	SEPT-19
Compressor room (K-4)	84.8	84.3	84.2	84.0	84.3	84.2
Separation	81.6	81.9	81.6	80.9	81.2	79.2
Kiln 1	84.8	84.5	84.2	84.5	84.6	83.4
Kiln 2	83.8	83.2	83.5	83.9	84.8	84.4
Kiln 4	83.5	83.5	84.2	84.8	84.1	83.8
Product house	80.3	80.3	75.4	83.7	80.5	82.3
Transformer room	83.3	83.3	82.1	82.3	81.7	81.5
Old day bin	74.9	74.5	78.9	78.9	76.4	75.6
Iron crusher	82.7	81.9	79.4	84.1	82.6	82.2
Coal crusher	84.2	84.5	84.4	76.6	83.8	83.8
Iron screen	84.8	84.5	82.6	83.4	84.3	80.5
Tippler circuit	77.6	78.9	79.9	76.8	77.5	78.3
Coal sizer	80.8	80.4	79.7	75.4	80.6	81.1
RMP office	66.5	65.8	66.8	66.8	66.3	66.6
New Daybin	80.4	80.8	80.5	80.3	80.5	80.7
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Make :- Envirotech, Model No:- APM550, Calibrated by M/S Universal Scientific Equipment and services,Aligarh, CERTIFICATE No. USC/SLM/01						



ANNEX -VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of April -19 to Sept -19						
LOCATION / Division - CPP -1	APR-19	MAY -19	JUN-19	JUL-19	AUG-19	SEPT-19
CPP steel office	66.6	66.3	66.7	65.2	65.7	65.3
Boiler-4	76.8	81.8	80.4	80.2	80.2	80.8
Ground floor	84.2	84.6	84.5	84.6	83	82.1
Electrical panel	73.9	73.5	73.5	78.3	74.5	74.3
Turbine 1	Shut Down	Shut Down	Shut Down	83.2	Shut Down	83.5
Turbine 2	84.5	84.2	84.8	85.0	84.1	Shut Down
Turbine 3	84.1	84.2	83.5	83.9	84.1	84.2
Compressor house(18mw)	83.9	83.8	83.4	83.4	84.5	84.4
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Make :- Envirotech, Model No:- APM550, Calibrated by M/S Universal Scientific Equipment and services, Aligarh, CERTIFICATE No. USIC/SLM/01						



ANNEX -VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of April -19 to Sept -19						
LOCATION / Division - CPP -2	APR-19	MAY -19	JUN-19	JUL-19	AUG-19	SEPT-19
Coal hopper	80.7	80.5	80.6	80.6	81.0	80.7
CHP	80.3	81.4	82.45	80.5	80.4	80.4
Boiler Area	84.5	84.2	83.6	84.8	83.9	83.1
Turbine Floor	84.5	84.2	84.2	84.1	85.0	84.1
Office	66.5	67.4	66.4	66.4	66.5	66.6
Store	68.8	69.4	68.9	68.6	68.8	66.9
Control room	70.4	71.8	70.3	70.5	70.2	70.0
Ground floor	82.7	82.6	83.3	82.6	82.7	83.4
COAL WASHERY						
Coal hopper	78.6	78.7	78.6	78.7	79.0	73.6
Screen	72.7	73.0	72.4	72.6	80.3	81.4
RMP	77.1	79.2	79.3	73.2	82.7	78.5
Crusher	80.6	80.8	80.5	80.7	80.7	80.7
Office	66.6	68.3	66.5	66.5	66.4	66.5
Coal shade	80.4	80.4	80.6	80.6	81.2	80.8
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Make :- Envirotech, Model No:- APM550, Calibrated by M/S Universal Scientific Equipment and services,Aligarh, CERTIFICATE No. USIC/SLM/01						

ANNEX-VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of April -19 to Sept -19						
LOCATION / Division - PELLET -1	APR-19	MAY -19	JUN-19	JUL-19	AUG-19	SEPT-19
Benificiation	84.2	84.3	80.6	80.9	81.3	80.5
Cooler	84.2	84.1	81.6	83.5	84.4	84.1
Kiln	84.1	84.5	84.1	84.0	84.7	84.4
TG	83.9	83.3	83.8	84.2	84.1	83.5
PCI	82.6	82.4	83.3	82.6	83.1	82.4
Balling Disc	80.7	80.9	81.8	80.7	80.6	81.8
PGP	83.2	79.0	73.4	72.2	71.7	73.6
Product house	80.8	80.8	80.5	74.6	81.8	80.8
Thickener	73.8	74.4	77.2	77.7	81.8	76.6
PELLET -2						
ESP	82.4	82.3	82.5	82.6	82.2	77.0
Balling Disc	80.6	80.7	80.5	81.8	81.7	80.3
TG Building	83.8	83.7	84.4	83.3	81.3	81.6
PCI	83.2	83.4	82.7	83.5	82.8	83.3
Cooler	88.2	86.4	83.7	80.8	83.5	84.5
PGP	75.2	76.8	71.9	77.8	75.7	78.1
Benificiation	81.8	81.5	81.1	78.5	80.6	81.8
Kiln	85.5	86.5	83.7	83.5	85.1	80.7
Store	72.9	71.4	73.6	74.0	79.3	73.5
Office	66.5	66.8	66.5	66.6	67.2	66.6
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Make :- Envirotech, Model No:- APM550, Calibrated by M/S Universal Scientific Equipment and services,Aligarh, CERTIFICATE No. USIC/SLM/01						



MSP STEEL & POWER LIMITED					ANNEX VII	
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of April -19 to Sept -19						
LOCATION / Division - RMD	APR-19	MAY -19	JUN-19	JUL-19	AUG-19	SEPT-19
Store	78.3	78.8	80.8	76.5	78.6	79.1
Pusher	81.9	84.5	83.7	87.2	82.4	82.9
Injector door	83.5	84.5	84.8	83.5	82.3	84.4
Roughing stand	83.5	84.5	84.8	84.5	84.2	84.5
Workshop	78.6	79.8	79.8	80.1	81.2	81.1
Electrical mcc room	79.5	79.7	80.2	81.3	79.6	79.6
QC	78.5	80.9	79.1	74.6	80.1	78.4
Cooling Bed	83.5	84.2	84.6	84.5	85.2	83.7
Office	67.7	67.6	68.7	67.9	68.0	67.7
RMS						
Pusher	83.8	84.4	84.2	84.9	84.7	84.1
Degree chair 1	83.5	83.5	83.6	83.7	84.1	84.2
Degree chair 2	84.5	84.2	84.8	84.1	85.0	84.2
Stand 4	84.7	84.2	84.1	84.6	84.3	85.0
Store	79.3	79.5	80.1	82.9	82.9	82.4
Lathe machine	82.9	84.6	84.1	84.1	83.2	84.3
Cooling Bed	84.6	84.2	84.1	84.2	84.2	84.2
Stand 7	84.7	84.5	84.1	84.3	84.1	84.2
Office	69.1	70.2	69.2	69.2	87.5	70.0
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Make :- Envirotech, Model No:- APM550, Calibrated by M/S Universal Scientific Equipment and services,Aligarh, CERTIFICATE No. USIC/SLM/01						