



MSP STEEL & POWER LIMITED

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

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25th May 2021

To,
The Regional Director,
Central Pollution Control Board,
4th Floor, Shankar Bhawan,
North TT Nagar,
Bhopal (M.P.)- 462003

Sub. Submission of compliance of conditions of environmental clearance (EC) for the period Oct 2020 to Mar 2021.
Ref. EC granted by MOEF, New Delhi vide no. F.NO. J-11011/267/2007-IA II(I) DATED 02.04.2009 and F. NO. J-11011/267/2007-IA II(I) DATED 09.09.2010.

Dear Sir,

With reference to above, we are submitting herewith compliance of conditions (Oct 2020 to March 2021) of Environmental Clearance granted to us by above referred ECs along with necessary documents/ annexures.

This is for your kind information please.

Thanking You
Yours Faithfully
For MSP Steel & Power Ltd.

Prashant Pandey
Sr. GM (Corporate co-ordination)

Encl- As above

Copy to –

1. The Addl. Principal Chief Conservation of Forests, MOEF &CC, Regional Office (WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur (MS)-440001.
2. The Member Secretary, CECB, Raipur (C.G.)
3. The Regional Officer, CECB, Raigarh (C.G.)

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 OCTOBER 2020- MARCH. 2021

A. SPECIFIC CONDITIONS

B.

SN	SPECIFIC CONDITIONS	COMPLIANCE STATUS																														
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.	<div>Status of Installation Unit wise (Annex-I)</div> <table><tr><th>Capacity</th><th>ESP</th><th>BAG FILTER</th><th>VENT FILTER</th><th>DRY FOG</th></tr><tr><td>3.75 LTPA (Sponge Iron)</td><td>03 nos. ESP (each 3 field)</td><td>04 nos bag house</td><td>04 nos.Vent Filter</td><td>Installed Dry Fog system</td></tr><tr><td>CPP (10+4.5 & 34 MW)</td><td>03no. ESP (3 & 5 Field)</td><td>03 no. Bag house</td><td>03 no. vent filter</td><td></td></tr><tr><td>IF-Billets (3.055ltpa)</td><td>-</td><td>01 no. Bag house</td><td></td><td></td></tr><tr><td>9.0 LTPA(Pellet)</td><td>03 nos. ESP (3 Field),</td><td>02 no. Bag house,</td><td></td><td></td></tr><tr><td>Rolling Mill (4.80 LTPA)</td><td colspan="3">Online rolling no reheating furnace</td><td></td></tr></table> <div><ul style="list-style-type: none">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 CECB http://cecb.swanenviron.com Username- MSPSteel Password- MSPSteel@321 For CPCB URL-https://onlinedata.swanenviron.com Username- MSP_Steel Password- MSP_Steel@456Online AAQMS is installed to monitor ambient air quality.</div>	Capacity	ESP	BAG FILTER	VENT FILTER	DRY FOG	3.75 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 (3.055ltpa)	-	01 no. Bag house			9.0 LTPA(Pellet)	03 nos. ESP (3 Field),	02 no. Bag house,			Rolling Mill (4.80 LTPA)	Online rolling no reheating furnace			
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		<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> 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.	<p>Complied</p> <ul style="list-style-type: none"> All kilns is equipped with DSC & ABC to burn CO and hoty gases 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.	<p>Noted the conditions.</p> <ul style="list-style-type: none"> 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.	<p>Complied.</p> <p><u>Control of vehicular pollution</u></p> <ul style="list-style-type: none"> Raw material: Transported in covered vehicle and water spraying system at unloading point of ground hopper. Finish Product: Covered vehicle and stored in silo. Telescopic chute is installed to prevent emission of dust during loading of Sponge iron. 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,	<p>Complied.</p> <ul style="list-style-type: none"> Proper control & monitoring devices are installed as shown in Annex. I Fugitive emission monitored and all records maintained. Additional water spraying system (Road side) installed where it is required.

	suction hoods, fans and bag filters etc. shall be 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.	
vii	Total water requirement from Sarnai River / Kurnala for the expansion shall not exceed to 6701.2 m ³ /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.	<p>Complied.</p> <ul style="list-style-type: none"> Water consumption does not exceed the quantity approved in EC - Water Cess is paid regularly. 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 m ³ /day water from Sarnai River I Kurnala from the concerned department shall be obtained.	<p>Complied.</p> <ul style="list-style-type: none"> 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 m ³ /Ton of steel as per prescribed standard.	<p>Complied.</p> <ul style="list-style-type: none"> Water consumption is under prescribed standard.
x	Ground water monitoring around the solid waste disposal	Complied.

	site I secured landfill (SLF) shall be carried out regularly and report submitted to the Ministry, regional Office at CECB, CPCB and SPCB.	<ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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. No Blast Furnace has been installed.
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	<ul style="list-style-type: none"> Blast furnace is yet to be installed. Used oil sold to authorize recyclers with due clearance / Authorization from CECB. 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. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> The unit followed strictly the stipulations made by the CECB and the State Government. CTE/CTO obtained on satisfactory compliance are made.
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	<ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> Gaseous emission from stack ie Sox and NOx is monitored through CEMS and data uploaded to the server of SPCB/CPCB. Measures taken for effective control of pollution by proper installation, 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, SO ₂ and NO _x 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. <ul style="list-style-type: none"> • 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 from time to time, The treated waste water shall be utilized for plantation purpose	Complied. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • Regular monitoring of vibration carried out to control Noise. • Acroscopic 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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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 EIAIEMP 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. <p>Community development carried out under District administration.</p> <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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 III the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional office	Complied <ul style="list-style-type: none"> • 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. • 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 <ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> 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 OCTOBER 2020- MARCH.2021


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. <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> 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 belt development No effluent shall be discharged and 'zero' discharge shall be adopted.	Complied. <ul style="list-style-type: none"> Industrial waste such as boiler blow down water, treated 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 I 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. <ul style="list-style-type: none"> 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	Complied. <ul style="list-style-type: none"> PM10, PM2.5 SO2, NOx in ambient air & PM, SO2 & NOx at Stack monitored & displayed at Main gate month wise.

	<p>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.</p> <p>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.</p>	<ul style="list-style-type: none"> AAQMS and CEMS installed and online data uploaded as per guide line.
ix	<p>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.</p>	<p>Complied.</p> <ul style="list-style-type: none"> We have noted point and complied accordingly.
x	<p>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.</p>	<p>Complied.</p> <ul style="list-style-type: none"> 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	<p>In case of change in the scope of the project, the unit shall obtain fresh environmental clearance</p>	<ul style="list-style-type: none"> We shall surely obtain a fresh environmental clearance if there is any change in the scope of the project.

Recycled 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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986


Name & Address Of The Customer TO, MSP STEEL & POWER LIMITED Village - JAMGAON POST - JAMGAON, DIST-RAIGARH, 496001 (CHHATTISGARH)		REPORT NO UES/TR/21-22/0252 LAB REF NO UES/21-22/W/0296-0298 DATE OF SAMPLING 12/04/2021 DATE OF RECEIPT 13/04/2021 DATE OF REPORT 19/04/2021 DATE OF ANALYSIS START: 13/04/2021 END: 18/04/2021					
SAMPLE DETAILS							
Customer Ref. No.	RD203-00037, DATED: 17.03.2021						
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	7.28	7.52	7.48
2	Total Suspended Solid	mg/L	IS:3025: (Part-17)	100	28.4	22.8	18.4
3	Total Dissolved Solids	mg/L	IS:3025: (Part-16)	-	278	160	246
4	Chemical Oxygen Demand	mg/L	IS:3025: (Part-58)	250	48.0	38.0	52.0
5	Bio-chemical Oxygen Demand at 27°C for three day	mg/L	IS:3025: (Part-44)	30	9.4	6.8	10.4
6	Oil & Grease	mg/L	IS:3025: (Part 39)	10	N.D.	N.D.	N.D.
7	Total Coliform	MPN/100m 1	IS:1622:1981:RA:2019	-	Absent	Absent	2.8


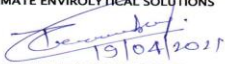
Note: mg/lit.: milligram per liter, N.D.: Not Detected.

REMARKS: RESULTS ARE AS ABOVE

Terms & conditions

- The report for publication, arbitration or as legal dispute is forbidden.
- Test sample will be retained for 15 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


 15/04/21
PREPARED BY


For ULTIMATE ENVIROLYTICAL SOLUTIONS

 19/04/2021
AUTHORIZED SIGNATORY

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

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

Water Draw Approval

Annex-III

<p style="text-align: center;">छत्तीसगढ़ शासन जल संसाधन विभाग मंत्रालय केपिटल कॉम्प्लेक्स, महानदी भवन, नया रायपुर (छ.ग.)</p> <p>क्रमांक...../273/जस/तशा/औजप्र/05/डी-4, नया रायपुर दिनांक /04/2013 प्रति,</p> <p>मुख्य अभियंता, हसदेव कछार, जल संसाधन विभाग, बिलासपुर (छ.ग.)</p> <p>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 केप्टिव 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।</p> <p>संदर्भ:-1. शासन का पत्र क्रमांक-6727-6728/273/जस/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/जस/तशा/औजप्र/01/डी-4, दिनांक 07.03.2013.</p> <p>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 केप्टिव 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।</p> <p>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/जस/तशा/औजप्र/05/डी-4, दिनांक 11.11.2009 के अनुसार यथावत रहेगी।</p> <p>सहपत्र:- शून्य।</p> <p style="text-align: center;">सचिव (याकुब खैरुल्लाह) उप सचिव जल संसाधन विभाग, मंत्रालय, रायपुर</p> <p style="text-align: center;">...2....</p>	<p style="text-align: center;">..2..</p> <p>पृ.क्र.3330/273/जस/तशा/औजप्र/05/डी-4, नया रायपुर दिनांक 04/2013 प्रतिलिपि:-</p> <ol style="list-style-type: none"> 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.) <p>को संदर्भित पत्र क्र-1 के परिप्रेक्ष्य में सूचनार्थ एवं शीघ्र आवश्यक कार्यवाही हेतु अग्रेषित।</p> <ol style="list-style-type: none"> 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। <p>सहपत्र:- शून्य।</p> <p style="text-align: right;">उप सचिव जल संसाधन विभाग मंत्रालय, रायपुर</p>
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Ground Water Analysis report

Annex-IV


MSP STEEL & POWER LIMITED							
Jamgaon, Raigarh. C.G.							
Ground Water Testing Report for the Month of DECEMBER-20 & MARCH -21							
SL.NO	PARAMETERS	UNIT	Limit	DECEMBER-20		MARCH-21	
				JAMGA	MANUAPALI	JAMGA	MANUAPALI
1	Appearance	-	Clear	Clear	Clear	Clear	Clear
2	Odour	-	**	odorless	odorless	odorless	odorless
3	pH	--	6.5 – 8.5	6.8	6.7	6.9	6.8
4	TSS	mg/l	**	2	2	2	1
5	TDS	mg/l	500 – 2000	60	223	62	219
6	Turbidity	NTU	1 – 5	1.1	0.8	0.9	0.7
7	conductivity	µs/cm	**	92	338	94	332
8	T. Alkalinity	ppm	200 – 600	28	48	28	50
9	T. Hardness	ppm	300 – 600	32	68	34	72
10	Calcium	ppm	75 – 200	21	44	22	48
11	Magnesium	ppm	30 – 100	11	24	12	24
12	Chloride	ppm	250 – 1000	12	32	13	30
13	Silica	ppm	**	22	20	20	18
14	Iron	ppm	0.30 – 1.0	0.034	0.418	0.038	0.408

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

<p>To, MSP STEEL & POWER LIMITED VILLAGE - JAMGAON, POST - JAMGAON, DIST-RAIGARH, 496001 (CHHATTISGARH)</p>	<table border="1" style="width: 100%;"> <tr><td>REPORT NO</td><td>UES/TR/21-22/0253</td></tr> <tr><td>LAB REF NO</td><td>UES/21-22/MISC/0300</td></tr> <tr><td>DATE OF SAMPLING</td><td>12/04/2021</td></tr> <tr><td>DATE OF RECEIPT</td><td>13/04/2021</td></tr> <tr><td>DATE OF REPORT</td><td>19/04/2021</td></tr> <tr><td>DATE OF ANALYSIS</td><td>START: 13/04/2021 END: 17/09/2020</td></tr> </table>	REPORT NO	UES/TR/21-22/0253	LAB REF NO	UES/21-22/MISC/0300	DATE OF SAMPLING	12/04/2021	DATE OF RECEIPT	13/04/2021	DATE OF REPORT	19/04/2021	DATE OF ANALYSIS	START: 13/04/2021 END: 17/09/2020
REPORT NO	UES/TR/21-22/0253												
LAB REF NO	UES/21-22/MISC/0300												
DATE OF SAMPLING	12/04/2021												
DATE OF RECEIPT	13/04/2021												
DATE OF REPORT	19/04/2021												
DATE OF ANALYSIS	START: 13/04/2021 END: 17/09/2020												

SAMPLE DETAILS

Customer Ref. No.	RD203-00037, DATED: 17.03.2021
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. 250 ml

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	124
3	Zinc as Zn	mg / kg	USEPA METHOD-1311	12.2
4	Lead as Pb	mg / kg	USEPA METHOD-1311	4.28
5	Cadmium as Cd	mg / kg	USEPA METHOD-1311	1.08
6	Copper as Cu	mg / kg	USEPA METHOD-1311	1.18
7	Tin as Sn	mg / kg	USEPA METHOD-1311	N.D.
8	Chromium as Cr	mg / kg	USEPA METHOD-1311	7.86
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/ltr.: 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 15 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

[Signature]
13/04/2021

PREPARED BY



For **ULTIMATE ENVIROLYTICAL SOLUTIONS**

[Signature]
19/04/2021

AUTHORIZED SIGNATORY

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

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

Solid Waste Analysis Report

Annex - VI

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Customer
To,
MSP STEEL & POWER LIMITED
VILLAGE - JAMGAON,
POST - JAMGAON, DIST-RAIGARH,
496001 (CHHATTISGARH)

REPORT NO. UES/TR/21-22/0255
LAB REF NO. UES/21-22/MISC/0302-0303
DATE OF SAMPLING 12/04/2021
DATE OF RECEIPT 13/04/2021
DATE OF REPORT 19/04/2021
DATE OF ANALYSIS START:13/04/2021 END:18/04/2021

SAMPLE DETAILS

Customer Sample Id / Sampling Location	1. CPP FLY ASH 2. CPP BOTTOM ASH	Customer Ref. No. & Date	RD203-00037, DATED:17.03.2021
Sample Type	Miscellaneous	Sample Condition At Receipt	Ok
Sample Collected By	Lab. Chemist	Quantity Received	1 kg

TEST REPORT					
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	RESULT	
				CPP Fly Ash	CPP BOTTOM ASH
1	Arsenic as As	mg/kg	USEPA METHOD-1311	N.D.	N.D.
2	Cadmium as Cd	mg/kg	USEPA METHOD-1311	N.D.	N.D.
3	Lead as Pb	mg/kg	USEPA METHOD-1311	N.D.	N.D.
4	Cobalt as Co	mg/kg	USEPA METHOD-1311	N.D.	N.D.
5	Mercury as Hg	mg/kg	USEPA METHOD-1311	N.D.	N.D.
6	Nickel as Ni	mg/kg	USEPA METHOD-1311	N.D.	N.D.
7	Chromium as Cr	mg/kg	USEPA METHOD-1311	10.8	32.8
8	Zinc as Zn	mg/kg	USEPA METHOD-1311	N.D.	128
9	Copper as Cu	mg/kg	USEPA METHOD-1311	16.2	44.6

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 15 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 *[Signature]* 19/04/2021

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY *[Signature]* 19/04/2021

End of the test report

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

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

Recognized by Ministry of Environment Forest and Climate Change under EP act 1986

Name & Address Of The Customer
To,
MSP STEEL & POWER LIMITED
VILLAGE - JAMGAON,
POST - JAMGAON, DIST-RAIGARH,
496001 (CHHATTISGARH)

REPORT NO. UES/TR/21-22/0256
LAB REF NO. UES/21-22/MISC/0304-0305
DATE OF SAMPLING 12/04/2021
DATE OF RECEIPT 13/04/2021
DATE OF REPORT 19/04/2021
DATE OF ANALYSIS START:13/04/2021 END:18/04/2021

SAMPLE DETAILS

Customer Sample Id / Sampling Location	1. SMS SLAG 2. SMS BAG FILTER DUST	Customer Ref. No. & Date	RD203-00037, DATED: 17.03.2021
Sample Type	Miscellaneous	Sample Condition At Receipt	Ok
Sample Collected By	Lab. Chemist	Quantity Received	1 kg

TEST REPORT					
SR. NO.	PARAMETER	UNIT	METHOD OF TEST	RESULT	
				SMS SLAG	SMS BAG FILTER DUST
1	Arsenic as As	mg/kg	USEPA METHOD-1311	N.D.	N.D.
2	Cadmium as Cd	mg/kg	USEPA METHOD-1311	N.D.	N.D.
3	Lead as Pb	mg/kg	USEPA METHOD-1311	N.D.	N.D.
4	Cobalt as Co	mg/kg	USEPA METHOD-1311	N.D.	N.D.
5	Mercury as Hg	mg/kg	USEPA METHOD-1311	N.D.	N.D.
6	Nickel as Ni	mg/kg	USEPA METHOD-1311	N.D.	N.D.
7	Chromium as Cr	mg/kg	USEPA METHOD-1311	18.4	24.8
8	Zinc as Zn	mg/kg	USEPA METHOD-1311	N.D.	186
9	Copper as Cu	mg/kg	USEPA METHOD-1311	14.2	14.2

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 15 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 *[Signature]* 19/04/2021

For ULTIMATE ENVIROLYTICAL SOLUTIONS

AUTHORIZED SIGNATORY *[Signature]* 19/04/2021

End of the test report

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

MSP STEEL & POWER LIMITED											
Drinking Water Testing Report											
SL.NO	PARAMETERS	UNIT	Limit	OCTOBER-2020				NOVEMBER-2020			
				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	6.8	6.6	6.7	6.6	6.5	6.5
4	TSS	mg/l	**	1	1	2	1	2	1	2	2
5	TDS	mg/l	500 – 2000	53	148	423	65	98	165	432	64
6	Turbidity	NTU	1 – 5	0.3	0.2	0.6	0.2	0.5	0.2	0.4	0.2
7	conductivity	µs/cm	**	80.4	224	642	98.5	149	251	654	98.4
8	T. Alkalinity	ppm	200 – 600	36	78	118	86	40	74	102	84
9	T. Hardness	ppm	300 – 600	30	68	112	78	30	70	98	72
10	Calcium	ppm	75 – 200	20	44	74	51	20	46	64	48
11	Magnesium	ppm	30 – 100	10	24	38	27	10	24	34	24
12	Chloride	ppm	250 – 1000	16	14	20	22	16	18	20	22
13	Silica	ppm	**	16	18	18	18	16	16	18	18
14	Iron	ppm	0.30 – 1.0	0.069	0.08	0.108	0.042	0.052	0.078	0.106	0.038
Note:-** Limit Not mention. Drinking water Specification Tolerance Limit as per IS:10500,2009.											

MSP STEEL & POWER LIMITED											
Drinking Water Testing Report											
SL.NO	PARAMETERS	UNIT	Limit	DECEMBER-20				JANUARY-21			
				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	6.4	6.5	6.5	6.5	6.8	6.7	6.5	6.8
4	TSS	mg/l	**	2	1	2	2	2	1	2	1
5	TDS	mg/l	500 – 2000	98	185	432	64	93	167	435	64
6	Turbidity	NTU	1 – 5	0.5	0.2	0.4	0.2	0.5	0.1	0.3	0.2
7	conductivity	µs/cm	**	149	251	654	98.4	142	254	660	98
8	T. Alkalinity	ppm	200 – 600	40	74	102	84	42	70	108	84
9	T. Hardness	ppm	300 – 600	30	70	98	72	28	74	92	82
10	Calcium	ppm	75 – 200	20	46	64	48	18	48	60	54
11	Magnesium	ppm	30 – 100	10	24	34	24	10	26	32	28
12	Chloride	ppm	250 – 1000	16	18	20	22	14	16	18	20
13	Silica	ppm	**	16	16	18	18	12	12	16	16
14	Iron	ppm	0.30 – 1.0	0.052	0.078	0.108	0.038	0.052	0.062	0.102	0.042

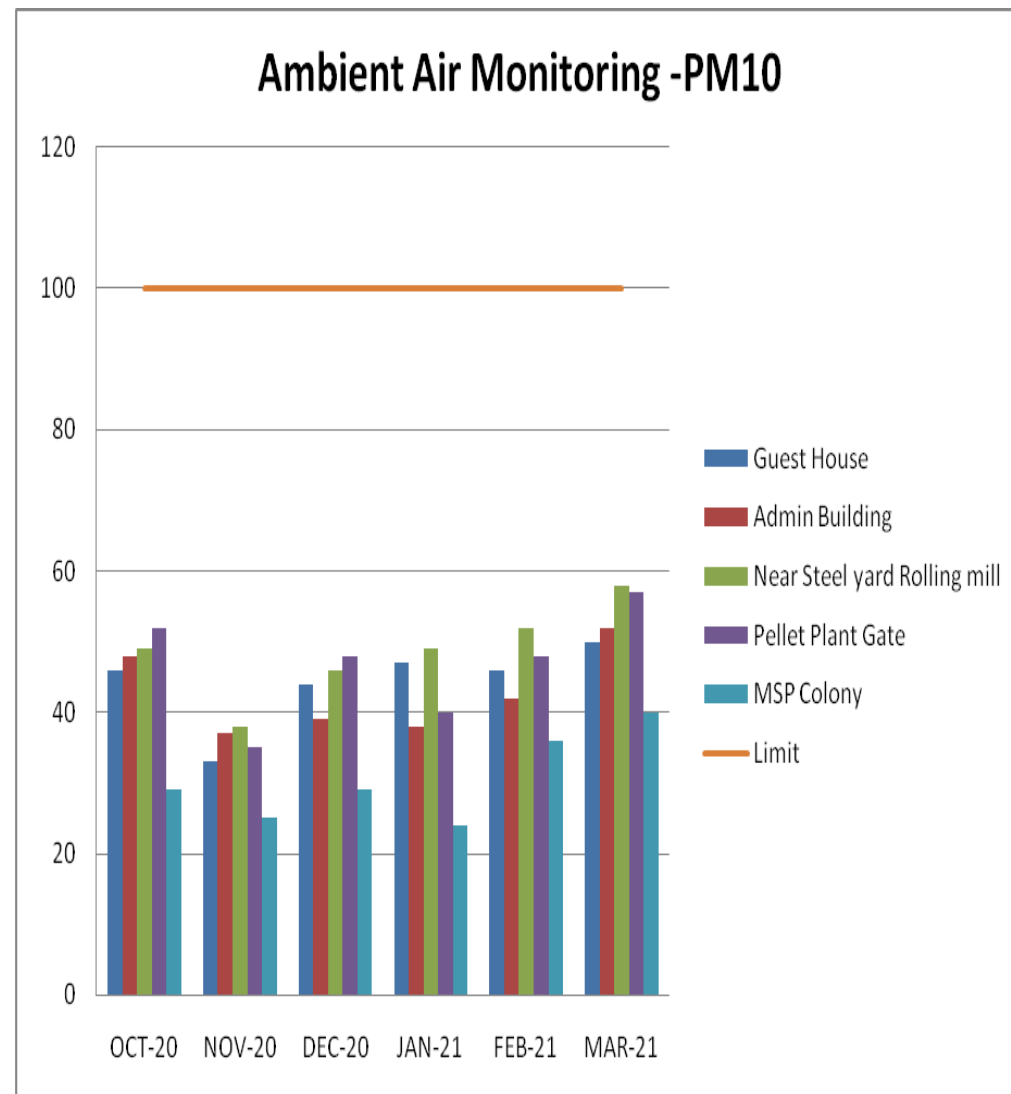
Note:-** Limit Not mention. Drinking water Specification Tolerance Limit as per IS:10500,2009.

MSP STEEL & POWER LIMITED											
Drinking Water Testing Report											
SL.NO	PARAMETERS	UNIT	Limit	FEBRUARY-21				MARCH -21			
				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	6.6	6.5	6.7	6.5	6.5	6.6	6.8	6.5
4	TSS	mg/l	**	2	1	2	1	2	1	2	1
5	TDS	mg/l	500 – 2000	98	170	438	64	98	162	436	62
6	Turbidity	NTU	1 – 5	0.2	0.1	0.2	0.2	0.2	0.1	0.3	0.1
7	conductivity	µs/cmµs/cm	**	148	258	664	97.5	151	246	660	94.8
8	T. Alkalinity	ppm	200 – 600	48	72	112	86	42	74	108	84
9	T. Hardness	ppm	300 – 600	34	70	68	62	38	72	82	68
10	Calcium	ppm	75 – 200	22	46	44	40	25	48	54	44
11	Magnesium	ppm	30 – 100	12	24	24	22	13	24	28	24
12	Chloride	ppm	250 – 1000	14	16	20	18	14	18	22	16
13	Silica	ppm	**	14	14	18	18	12	16	18	18
14	Iron	ppm	0.30 – 1.0	0.050	0.064	0.101	0.044	0.051	0.068	0.048	0.048

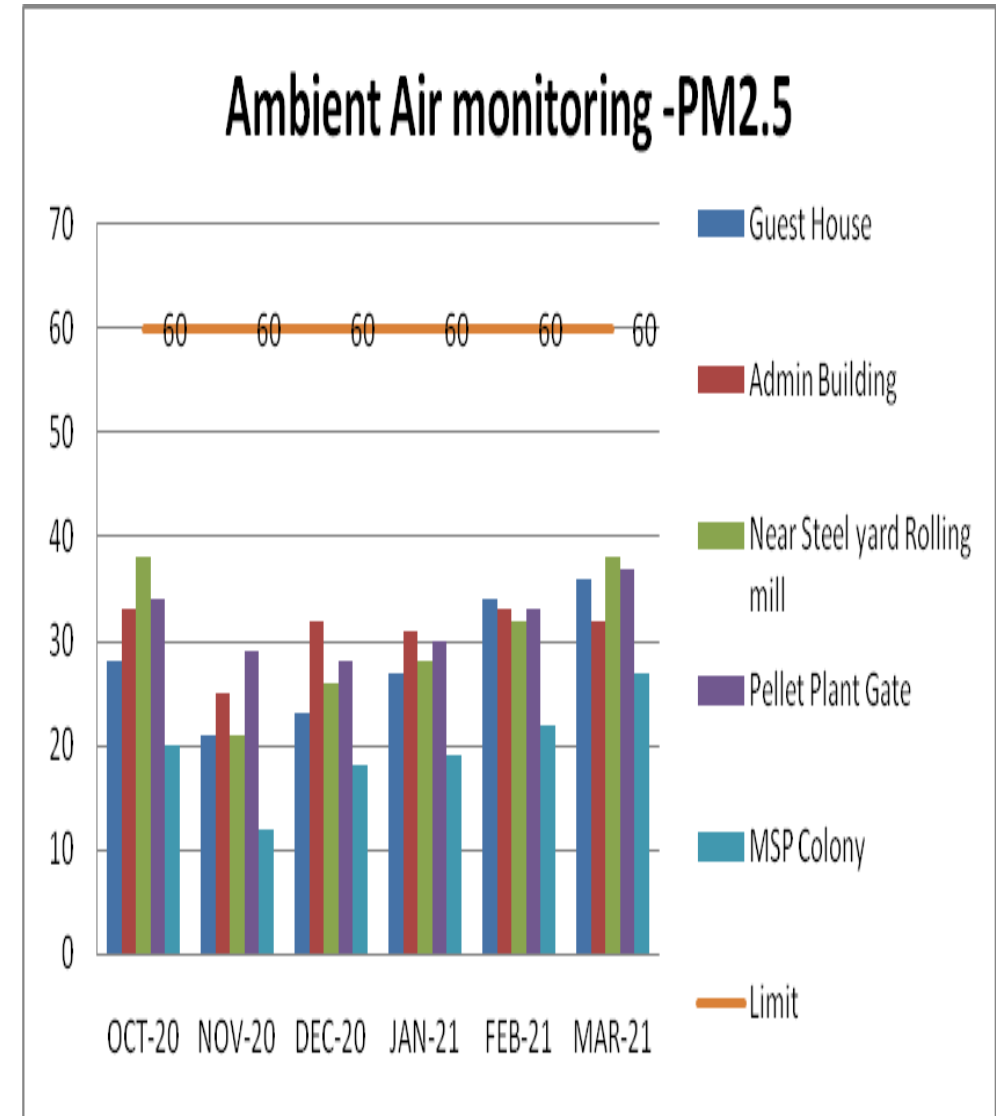
Note:-** Limit Not mention. Drinking water Specification Tolerance Limit as per IS:10500,2009.

MSP STEEL & POWER LIMITED												
Jamgaon, Raigarh. C.G.												
Ambient air Noise Monitoring Report for the period of OCT - 20 to MAR-21												
LOCATION	OCT-20		NOV-20		DEC-20		JAN-21		FEB-21		MAR-21	
	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	66.2	60.5	66.4	59.3	64.7	58.6	64.3	59.4	64.2	59.3	64.3	59.2
Admin Building	64.8	59.9	64.3	59.2	65.4	59.3	63.2	59.5	63.4	59.8	63.1	59.7
Steel Yard RMS	66.1	59.2	66.2	59.8	64	58.6	64.1	58.7	64.3	58.8	64.5	58.9
Gate No.-3	64.2	60.1	65.4	60.5	65.2	60.6	65.3	60.2	65.4	60.1	65.2	60.3
CPP (34 MW) Gate	65.2	60.2	66.2	60.8	67.5	60.4	67.4	60.3	67.8	60.2	67.1	60.2
Pellet plant gate	66.4	60.1	66.2	59.4	66.3	59.7	66.4	59.8	66.2	59.8	66.4	59.7
Back Side road of 34 MW	66.1	60.3	66.4	58.3	67.5	65.3	65.3	59.3	65.4	59.4	65.5	59.8
Remarks:- As per CPCB Standards Day Time Norms-Max. 75 dB(A) & Night time Norms-Max. 70 dB(A) Calibrated by M/S Universal Scientific Equipment and services, Aligarh, CERTIFICATE No. USIC/MECH/SLM/20 make:- Envirotech Model No: SLM100												

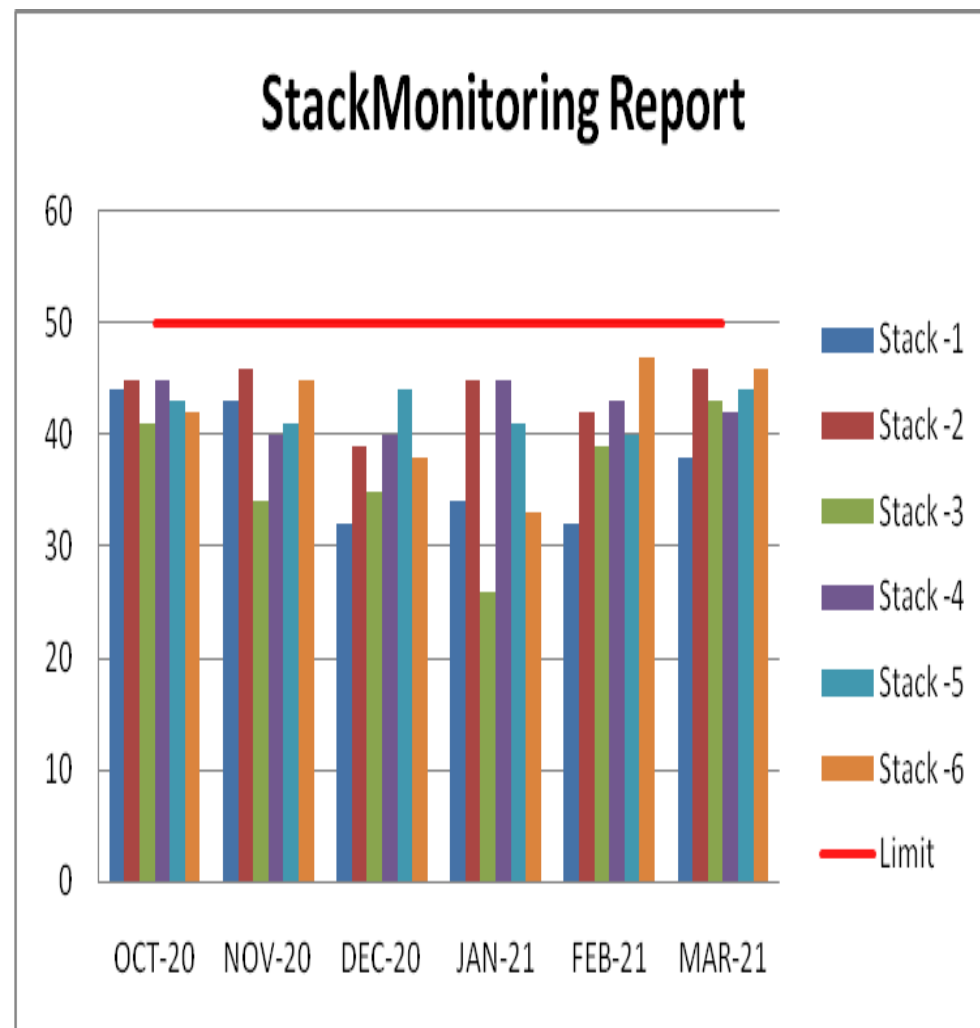
Annex -VII						
MSP Steel and Power Limited						
Jamgaon, Raigarh. C.G.						
Ambient air monitoring (PM10) Report for the period of Oct -20 to Mar -21						
LOCATION	OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21
Guest House	46	33	44	47	46	50
Admin Building	48	37	39	38	42	52
Near Steel yard Rolling mill	49	38	46	49	52	58
Pellet Plant Gate	52	35	48	40	48	57
MSP Colony	29	25	29	24	36	40
Remarks:- PM10 Limit 100 ($\mu\text{g}/\text{m}^3$) As per CPCB Standards, Make :- Envirotech, Model No:- APM550, Calibrated by M/S UNIVERSAL SCIENTIFIC INSTRUMENT AND CALIBRATION, ALIGARH Calibration No. USIC/FF/PM/123						



Annex -VII						
MSP Steel and Power Limited						
Jamgaon, Raigarh. C.G.						
Ambient air monitoring (PM2.5) Report for the period of Oct -20 to Mar -21						
LOCATION	OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21
Guest House	28	21	23	27	34	36
Admin Building	33	25	32	31	33	32
Near Steel yard Rolling mill	38	21	26	28	32	38
Pellet Plant Gate	34	29	28	30	33	37
MSP Colony	20	12	18	19	22	27
Remarks:- PM2.5 Limit 60 (µg/m ³) As per CPCB Standards, Make :- Envirotech, Model No:- APM550, Calibrated by M/S UNIVERSAL SCIENTIFIC INSTRUMENT AND CALIBRATION, ALIGARH Calibration No. USIC/FF/PM/123						



Annex -VII							
MSP STEEL & POWER LIMITED							
Jamgaon, Raigarh. C.G.							
Stack monitoring Report for the period of OCT-20 to MAR -21							
Stack Name	Stack Attached with	OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21
Stack -1	WHRB 1 & 2 (2LTPA)	44	43	32	34	32	38
Stack -2	WHRB 4 (1 LTPA)	45	46	39	45	42	46
Stack -3	AFBC 4.5MW & CFBC 10 MW	41	34	35	26	39	43
Stack -4	34 MW-CPP	45	40	40	45	43	42
Stack -5	Pellet -1	43	41	44	41	40	44
Stack -6	Pellet -2	42	45	38	33	47	46
Remarks:- PM Limit is 50 MG/Nm³ As per CPCB Standards, Make :- Vyobdhan Model No:-VSS 1, Calibrated by M/S UNIVERSAL SCIENTIFIC INSTRUMENT AND CALIBRATION,ALIGARH							



Annex -VII								
MSP STEEL & POWER LIMITED								
Jamgaon, Raigarh. C.G.								
Fugitive Dust Monitoring Report for the Period of OCTOBER -20 to MARCH -21								
SL.No	Division	Location	Results in $\mu\text{g}/\text{m}^3$ (Limit is 2000 $\mu\text{g}/\text{m}^3$)					
			OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21
1	SMS	Near Furnace no.3	1173	1342	1450	1578	1571	1635
		Near Office	1517	1133	1762	1798	1596	917
		Near Slag Crusher	1935	1938	1836	1891	1893	1874
		Near Ground Hopper	1040	1910	1774	1486	849	1911
2	Rolling Mill	Near Work Shop-RMD	1109	292	1774	1562	735	1676
		Material Loading yard-RMD	708	1182	983	1828	1119	1605
		Near Pusher-RMD	1785	1720	1892	1897	1981	1383
		Near QC lab	1410	895	1467	559	889	837
		Material Loading yard -RMS	899	502	701	815	505	915
		LSM MCC Room	1545	1604	1641	658	1917	1220
		Material Loading yard -LSM	1133	1166	1425	899	1071	1477

3	SID	Between Kiln 1 & 2	1400	796	1237	1462	1071	1352
		Kiln 4 Separation House	964	1880	1150	681	930	899
		RMP-Old Circuit	857	1176	1456	1568	1691	1687
		RMP-New Circuit	1445	727	1597	1631	1783	1934
		Kiln 1 & 2 Product House	1769	1198	1837	1836	1898	1953
4	CPP-1	CHP area	1874	1575	1357	1101	1909	1856
		Boiler area	1654	1028	952	979	1534	1589
		Silo Area	1616	1572	880	1089	1934	1494
5	PELLET PLANT	Near Benification	1287	1706	1547	422	669	1689
		Near PCI	1707	867	1538	1631	1617	1227
		Near P1 Cooler	1689	1758	1668	1336	1489	1096
		Near P2 Cooler	1334	1147	1689	1785	1802	1895
		Near MTM	1897	1784	1698	1836	1789	1891
6	CPP -2	Near CHP Ground Hopper	1897	877	1896	1791	1874	1904
		Near Boiler	1454	1536	1698	606	1897	1819
		Silo Area	1851	834	1646	1846	851	1836
7	CW	Near Screen House	1627	1141	1285	1375	1067	1457
		Near Ground Hopper	1527	1687	1784	1894	1475	1453
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								

ANNEX-VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of OCT -20 to MAR -21						
LOCATION / Division -SMS	OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21
Store	76.7	77.9	77.7	77.8	75.9	75.4
CCM1	84.3	84.0	83.9	83.7	83.3	82.8
CCM2	83.7	Shut Down	82.9	83.5	Shut Down	81.4
18Ton furnace	81.1	83.7	84.2	84.2	84.0	84.4
18 ton mcc room	83.3	83.3	83.3	80.3	80.4	80.3
Crusher area	83.7	83.1	83.0	83.2	84.1	83.8
Workshop	77.0	78.1	78.2	78.6	78.4	78.4
Office	66.7	68.4	68.3	68.7	68.7	67.9
QC	80.5	80.0	80.8	80.6	80.3	80.3
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Calibrated by M/S Universal Scientific Equipment and services, Aligarh,						

ANNEX -VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of OCT -20 to MAR -21						
LOCATION / Division - SID &RMP	OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21
Compressor room (K-4)	84.4	84.6	84.2	84.3	84.5	84.5
Separation	82.2	83.3	83.9	83.2	83.3	82.7
Kiln 1	83.5	84.7	84.5	84.2	84.6	84.7
Kiln 2	82.6	84.7	84.5	84.5	84.3	84.4
Kiln 4	84.8	84.5	84.1	84.2	84.5	84.3
Product house	81.6	82.7	81.5	80.7	80.2	80.7
Transformer room	84.6	84.4	84.2	84.2	83.6	83.1
Old day bin	78.0	78.5	79.7	79.4	83.4	80.5
Iron crusher	83.0	81.9	81.5	81.5	83.4	83.4
Coal crusher	83.0	81.9	83.4	83.6	83.5	83.1
Iron screen	81.3	80.8	81.6	81.5	82.8	82.7
Tippler circuit	77.1	76.2	77.0	77.6	76.7	76.8
Coal sizer	81.8	81.5	82.0	81.3	81.7	81.3
RMP office	66.6	66.5	66.4	66.7	67.0	66.6
New Daybin	79.2	81.4	81.5	81.6	80.8	81.5
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Calibrated by M/S Universal Scientific Equipment and services, Aligarh,						

ANNEX -VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of OCT -20 to MAR -21						
LOCATION / Division - CPP -1	OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21
CPP steel office	66.6	67.9	67.5	67.7	67.3	66.6
Boiler-4	79.0	79.4	78.3	77.7	78.5	78.5
Ground floor	81.9	82.3	83.7	84.1	84.5	84.6
Electrical panel	78.4	78.3	77.4	77.1	77.2	76.8
Turbine 1	84.5	84.7	84.3	84.4	84.2	84.3
Turbine 2	Shut Down	Shut Down	84.2	84.1	84.2	84.3
Turbine 3	84.1	84.5	84.3	84.3	84.3	84.5
Compressor house(18mw)	83.9	83.8	84.0	84.1	84.3	84.3
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, M/S Universal Scientific Equipment and services, Aligarh,					Calibrated by	

ANNEX -VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of OCT -20 to MAR -21						
LOCATION / Division - CPP -2	OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21
Coal hopper	81.4	81.4	81.7	81.5	81.3	81.6
CHP	81.1	80.5	79.7	80.6	80.6	80.9
Boiler Area	82.8	81.8	81.8	82.8	82.4	82.6
Turbine Floor	84.3	84.1	84.3	84.2	84.4	84.5
Office	66.4	66.8	67.3	64.6	66.2	66.2
Store	68.5	68.6	68.6	68.9	68.2	68.4
Control room	70.4	68.0	67.9	70.3	66.9	68.7
Ground floor	82.7	82.4	81.8	82.6	81.8	83.2
COAL WASHERY						
Coal hopper	80.8	80.6	81.3	81.4	81.7	81.8
Screen	82.0	81.4	81.0	83.2	83.0	83.6
RMP	78.9	79.7	80.4	82.6	83.5	81.8
Crusher	81.0	81.5	81.7	83.2	83.6	83.6
Office	67.9	66.2	67.3	66.2	66.3	65.9
Coal shade	79.0	80.3	80.9	81.2	81.5	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, Universal Scientific Equipment and services, Aligarh,					Calibrated by M/S	

ANNEX-VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of OCT -20 to MAR -21						
LOCATION / Division - PELLET -1	OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21
Benification	81.3	81.8	81.5	81.4	82.8	82.7
Cooler	81.7	83.3	83.7	83.3	83.5	83.4
Kiln	82.6	82.3	83.8	82.5	83.8	83.7
TG	83.7	81.4	81.4	79.8	81.7	80.5
PCI	81.1	84.0	81.8	82.5	82.0	82.3
Balling Disc	81.4	77.6	78.8	77.7	80.4	78.6
PGP	81.1	82.2	82.2	82.5	82.1	82.5
Product house	82.5	81.9	80.9	82.0	81.8	83.3
Thickener	79.0	75.3	80.4	74.4	80.2	75.5
PELLET -2						
ESP	81.2	80.7	80.0	80.5	80.2	80.4
Balling Disc	80.6	80.7	80.4	80.2	80.4	80.5
TG Building	83.8	81.4	81.8	82.4	81.6	81.6
PCI	82.3	85.5	84.4	84.2	84.7	84.2
Cooler	83.3	83.9	83.4	83.7	83.3	83.3
PGP	77.1	82.4	81.1	81.6	81.6	81.3
Benification	81.5	82.8	83.3	82.5	83.5	82.6
Kiln	84.2	83.5	84.4	84.3	84.1	83.7
Store	75.4	69.2	68.6	68.4	68.1	68.4
Office	67.4	68.2	66.6	67.3	66.3	66.6
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area, Calibrated by M/S Universal Scientific Equipment and services, Aligarh,						

ANNEX- VII

MSP STEEL & POWER LIMITED						
Jamgaon, Raigarh. C.G.						
Work Zone noise monitoring Report for the period of OCT -20 to MAR -21						
LOCATION / Division RMD	OCT-20	NOV-20	DEC-20	JAN-21	FEB-21	MAR-21
Store	78.0	77.5	76.9	76.3	78.3	78.3
Pusher	84.0	84.1	83.5	83.7	83.6	84.5
Injector door	84.3	84.5	84.5	83.8	84.6	84.7
Roughing stand	84.2	84.1	84.3	84.5	84.1	84.3
Workshop	84.8	84.7	84.8	84.4	84.5	84.4
Electrical MCC room	78.8	78.5	78.5	78.4	78.2	78.4
QC	78.3	77.9	78.0	77.7	77.5	78.8
Cooling Bed	84.3	84.4	84.0	83.9	83.8	84.6
Office	68.4	68.6	67.7	67.5	67.5	67.2
RMS						
Pusher	84.2	84.5	84.4	84.3	84.1	84.3
Degree chair 1	84.3	84.3	84.3	84.1	84.4	84.5
Degree chair 2	84.3	83.9	83.8	84.1	84.3	84.1
Stand 4	84.1	84.0	83.9	83.8	83.8	83.6
Store	83.0	80.7	81.4	81.6	81.2	82.0
Lathe machine	84.3	84.2	84.3	83.7	83.9	84.6
Cooling Bed	84.3	84.1	84.2	84.3	84.6	83.9
Stand 7	83.9	83.5	83.7	83.9	83.7	83.6
Office	71.4	84.1	71.5	71.4	71.2	70.9
Recommendation: Use ear plug while working at high Noise area						
Remarks:- As per CPCB Standards 85dB(A) in Work Zone Area. Calibrated by M/S Universal Scientific Equipment and services, Aligarh,						