



Danish Envis <danish1017@gmail.com>

**SUBMISSION OF SIX MONTHLY POST ENVIRONMENTAL CLEARANCE COMPLIANCE FOR OCT TO MARCH 2023.
M/S: METAROLLS ISPAT PVT LTD, GUT NO: 48, ADJACENT TO MIDC PHASE - II, DAREGAON, JALNA**

Ramnarayan Bhakkad <rabhakkad@metarolls.com>
To: ecompliance-mh@gov.in, psec.env@maharashtra.gov.in
Cc: srojajna@mpcb.gov.in

Fri, May 19, 2023 at 3:35 PM

To,**The Regional Officer,**

Ministry of Environment, Forest & Climate Change,

Regional Office (WCZ), Ground Floor, East Wing,

New Secretariat Building, Civil Lines,

Nagpur, Maharashtra - 440001

Subject: Submission of Six Monthly Environmental Clearance Compliance for October to March 2023. M/s. Metarolls Ispat Pvt. Ltd. Gut No.48, Adjacent to MIDC PHASE-II, Daregaon, Jalna.

Ref. No.: Your issued EC: SEAC 2011/CR- 683/TC2 Dated: 30th Sep 2014**Period of EC Compliance: October to March 2023**

Dear Sir,

With reference to subject matter above, we are submitting Compliance for obtained Environmental Clearance from State Environment Impact Assessment Authority (SEIAA), Maharashtra to our Project **M/s. Metarolls Ispat Pvt. Ltd. Gut No.48, Adjacent to MIDC PHASE-II, Daregaon, Jalna**. We have received Environmental Clearance from SEIAA, Govt. of Maharashtra, MoEF & CC, New Delhi vide ref. no.: **SEAC 2011/CR- 683/TC2 Dated: 30th Sep 2014**. We are submitting the EC Compliance for the period of **October to March 2023** for your reference & further needful record.

Request you to kindly acknowledge the same.

Submitted for your kind perusal.

Yours Faithfully,

For M/s. Metarolls Ispat Pvt. Ltd.

Enclosure: EC Compliance with its Annexure

Copy to:

1. The Sub Regional Officer, MPCB, Jalna.
2. SEIAA, Mumbai, Maharashtra.

 **SIX MONTHLY POST EC COMPLIANCE REPORT FOR JUNE - 2023 OF METAROLL ISPAT PVT LTD - JALNA.pdf**
14466K

Date: 29/04/2023

To,

The Regional Officer,

Ministry of Environment, Forest & Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
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Nagpur, Maharashtra - 440001

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Mr. Ramnarayan Bhakkad



Enclosure: EC Compliance with its Annexure

Copy to:

1. The Sub Regional Officer, MPCB, Jalna.
2. SEIAA, Mumbai, Maharashtra.



Government of Maharashtra

SEAC 2011/CR- 683/TC2
Environment department
Room No. 217, 2nd floor,
Mantralaya Annex,
Mumbai- 400 032.
Dated: 30th September, 2014

To,
M/s. Meta Rolls & Commodities Pvt. Ltd.
Gat No.48, Daregaon, Tal. & Dist .Jalna

Subject: Environment clearance for proposed project for the manufacture of TMT Bars 500 TPD(150000MTPA) at Gat No.48, Daregaon, Tal. & Dist Jalna by M/s. Meta Rolls & Commodities Pvt. Ltd

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification, 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 77th meeting and decided to recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 73rd meeting.

2. It is noted that the proposal is for grant of Environment Clearance for proposed project for the manufacture of TMT Bars 500 TPD(150000MTPA) at Gat No.48, Daregaon, Tal. & Distt. Jalna. SEAC-I considered the project under screening category 3(a), B1 of EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as:

Name of the Project	Proposed capacity expansion of manufacturing of M.S. Billets from 6600 TPM to 13200 TPM & new unit of Rolling mill of 13200 TPM
Project Proponent	M/s. Meta Rolls & Commodities Pvt. Ltd. (MRCPL), Gut no. 48, Adjacent to MIDC Phase II Daregaon, Dist. Jalna, Maharashtra
Consultant	M/s Pollution & Ecology Control Services
New Project / Expansion	Expansion
If expansion/ Diversification, whether environmental clearance has been obtained for existing project .	The letter of environmental clearance is issued vide letter no. SEAC 2010/CR.173/TC.2 Dated- 29/12/2010 for M.S ingot & Billets plant of capacity from 3300 TPM to 6500TPM.
Activity schedule	B – 3(a)
Area Details	Total plot Area (sq. m.): 19.3 Acres Built up Area (sq. m.): - App. 17500 Sq. Mtr.
Name of the Notified Industrial area / MIDC area	Additional MIDC Area, Jalna
TOR given by SEAC? (if yes then specify the	<ul style="list-style-type: none">• Yes• 62nd meeting of the SEAC held on 6th to 8th November, 2012

meeting)													
Estimated capital cost of the project: (including cost of land, building, plant and machinery separately)	Existing plant : Rs 1452 lacs. Proposed Investment: Rs 9852 lacs. Total after expansion: Rs.11394 lacs.												
Location details of the project:	1. Latitude - 19°50'36.69"N 2. Longitude - 75°50'32.23"E 3. Location- Adjacent to MIDC Phase II Dargaon, Jalna in Maharashtra 4. Elevation above Mean Sea Level (meters) – 534 m												
Distance from protected Areas /Critically Polluted areas/ Eco-sensitive areas	No critically polluted area, No National Parks/Wild life Sanctuary within 10 km radius.												
Raw materials (including process chemicals, catalysts, & additives).	<table border="1"> <thead> <tr> <th>Sr. No</th> <th>Name of the Product</th> <th>Raw Material</th> <th>Requirement</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M.S. Billets</td> <td>M.S. Scrap & Sponge Iron</td> <td>13860 TPM (After Expansion)</td> </tr> <tr> <td>2</td> <td>TMT Bars</td> <td>M.S. Billet in molten stage</td> <td>13200 TPM</td> </tr> </tbody> </table>	Sr. No	Name of the Product	Raw Material	Requirement	1	M.S. Billets	M.S. Scrap & Sponge Iron	13860 TPM (After Expansion)	2	TMT Bars	M.S. Billet in molten stage	13200 TPM
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M.S. Billets	6600	6600	13200										
TMT Bars	-	13200	13200										
Process details / manufacturing details	M.S. Billets Plant and Rolling mill. The copy of the EIA is enclosed as Annexure I												
Rain Water Harvesting (RWH)	<ul style="list-style-type: none"> Level of the Ground water table Size and no. of RWH tank (s) and Quantity Location of RWH tank (s) Size, nos. of recharge pits and Quantity Budgetary allocation (Capital cost and O&M cost) 												
Total Water Requirement	<p>Total water requirement:</p> <ul style="list-style-type: none"> Fresh water (CMD): 200 m³/day & Source – Captive bore well Recycled water (CMD): 90 m³/day <p>Use of the water :</p> <p>Domestic use: 3 m³/day, Cooling purpose : 100 m³/day Gardening : 2 m³/day, Scrubber : 95 m³/day</p>												
Storm water drainage	<ul style="list-style-type: none"> Natural water drainage pattern - Quantity of storm water Size of SWD 												
Sewage generation and treatment	<ul style="list-style-type: none"> Amount of sewage generation (CMD) - 2 m³/day Proposed treatment for the sewage – Sewage will be treated in septic tank followed by soak pit Capacity of the STP (CMD) (If applicable) - NA 												
Solid waste Management:	<table border="1"> <thead> <tr> <th>Sr.</th> <th>Source</th> <th>Qty (TPM)</th> <th>Composition</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Raw water</td> <td>Nil</td> <td></td> </tr> </tbody> </table>	Sr.	Source	Qty (TPM)	Composition	1.	Raw water	Nil					
Sr.	Source	Qty (TPM)	Composition										
1.	Raw water	Nil											

		treatment plant					
	2	ETP	Nil				
	3.	Process	Existing quantity 330 TPM Proposed Quantity 330 TPM	Slag from Induction Furnace			
	<p>If waste (s) contains any hazardous/toxic substance/radioactive materials or heavy metals, provide quantity, disposal data and proposed precautionary measures.</p> <ul style="list-style-type: none"> • What are the possibilities of recovery and recycling of wastes? • Possible users of Solid waste – Since the solid waste generated from induction furnace is non hazardous and non toxic in nature it can be use in hardening of working area, possibilities can be explore for its use in construction of internal village roads, and filling of stone quarry pits and brick maker. • Method of disposal of solid waste – Slag generated is crushed at site. Iron particles are separated by using magnetic separator. Crushed slag (Sand) is being used in hardening of working area and brick making. 						
Stack Emission Details:	Plant Section & units	Stack No.	Height from ground level (m)	Internal Diameter (TOP) (m)	Emission Rate		Temp. of Exhaust Gases
					For SO ₂	For NO _x	
	Stack attached to Induction Furnace	1 st	30 m	1.6 m	-		50° C
Ambient Air Quality Data	Pollutant	Permissible Standard	Predicted Concentration (in µg/m ³)		Remarks		
	SPM	PM ₁₀ - 100 µg/m ³ , PM _{2.5} - 60 µg/m ³	PM ₁₀ - 30.1 to 52.1 µg/m ³ .		All parameters will be within limits after commissioning of the plant.		
			PM _{2.5} - 10.6 to 15.7 µg/m ³				
	SO ₂	80 µg/m ³	SO ₂ - 7.2 to 12.7 µg/m ³				
	NO _x	80 µg/m ³	NO _x - 8.2 to 15.8 µg/m ³				
CO	4 mg/m ³	-					
Energy	<p>Power supply:</p> <ul style="list-style-type: none"> • Existing power requirement: 9000KVA, • Proposed power requirement: 20 MW <p>DG sets: Number and capacity DG sets to be used (existing and proposed) : 750 KVA</p>						
Green Belt Development	<ul style="list-style-type: none"> • Green belt area (Sq. m.): 33% of total land • Number and species of trees to be planted - Approximately 1600 trees per Ha will be planted in consultation with the local Forest Department • Number, size, age and species of trees to be cut, trees to be transplanted 						

Details of Pollution Control Systems:	Sr. No.		Existing pollution control system	Proposed to be installed
	i.	Air	Ventuary scrubber followed by stack of 30 mt height.	Ventuary scrubber followed by stack of 30 mt height.
	ii.	Water	Settling Tank	Settling Tank
	iii.	Noise	Ear muffs/ear plugs are provided to the workers, Acoustic laggings and silencers are provided in equipment	Ear muffs/ear plugs will be provided to the workers, Acoustic laggings and silencers will be provided in equipment
	iv)	Solid Waste	Slag Crusher	Slag Crusher
Environmental Management Plan Budgetary Allocation	Sr.No.		Recurring Cost per annum in Rs.	Capital cost in Rs.
	1.	Air Pollution Control	0.5 Cr.	2.5 Cr.
	2.	Water Pollution Control	0.05 Cr.	0.40 Cr.
	3.	Noise Pollution Control	-	-
	4.	Environment Monitoring and Management	0.03 Cr	0.05 Cr.
	5.	Reclamation borrow/mined area (If applicable)	-	-
	6.	Occupational Health		
	7.	Green Belt	0.07 Cr.	0.10 Cr
	8.	Solid waste management	0.1 Cr.	0.50 Cr.
	9.	Rain water harvesting	0.10 Cr.	0.80 Cr
	10	Environmental Study and devices	0.05 Cr	0.15 Cr.
Total			Rs. 0.90 Cr.	Rs. 4.50 Crores
EIA Submitted (If yes then submit the salient features)	Period of data collected – November, December, January 2012-13 • Details of the primary data collection (i.e. location of the sample collection, number of visit, etc) • Details of the secondary data collection (i.e. Source and year of data) • Potential hazard and mitigation measures • Conclusion of the EIA study			
Public Hearing report (If public hearing conducted then submit the salient features)	• Date of the public hearing – 29/6/2013 • Name of the news paper in which the advertisement appeared (Please attach the copy) Daily Sakal , Daily Lokmat Times • Location of the public hearing- Project site Daregaon • Number of people attended the hearing			

• Objection(s) / Suggestion(s) if any: Minutes of Public hearing is attached in EIA report.

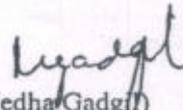
3. The proposal has been considered by SEIAA in its 73rd meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

- (i) No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- (ii) This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.
- (iii) For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distances in vulnerable areas of the plant shall be ensured.
- (iv) PP has to abide by the conditions stipulated by SEAC & SEIAA.
- (v) Regular monitoring of the air quality, including SPM & SO₂ levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.
- (vi) Necessary arrangement shall be made for adequate safety and ventilation arrangement in furnace area.
- (vii) Proper Housekeeping programs shall be implemented.
- (viii) In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- (ix) Stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set.(If applicable)
- (x) A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- (xi) Arrangement shall be made that effluent and storm water does not get mixed.
- (xii) Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.

- (xiii) The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- (xiv) Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- (xv) Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Smoke and Heat detection devices shall also be installed at strategic places for early detection and warning.
- (xvi) Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
- (xvii) The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- (xviii) The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- (xix) The company shall undertake following Waste Minimization Measures :
- Metering of quantities of active ingredients to minimize waste.
 - Reuse of by- products from the process as raw materials or as raw material substitutes in other process.
 - Maximizing Recoveries.
 - Use of automated material transfer system to minimize spillage.
- (xx) Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.
- (xxi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xxii) Transportation of ash will be through closed containers and all measures should be taken to prevent spilling of the ash.
- (xxiii) Separate silos will be provided for collecting and storing bottom ash and fly ash.
- (xxiv) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost.
- (xxv) The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.

- (xxvi) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://ec.maharashtra.gov.in>
- (xxvii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- (xxviii) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation 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.
- (xxix) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xxx) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.
- (xxxi) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.
- (xxxii) The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
5. The Environment department reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
6. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years to start of production operations.

7. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
8. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
9. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
10. This Environment Clearance is issued for proposed project for the manufacture of TMT Bars 500 TPD(150000MTPA) at Gat No.48, Daregaon, Tal. & Dist Jalna by M/s. Meta Rolls & Commodities Pvt. Ltd


(Medha Gadgil)
Additional Chief Secretary,
Environment department &
MS, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri T. C. Benjamin, IAS (Retired), Chairman, SEAC-I, 602, PECAN, Marigold, Behind Gold Adlabs, Kalyani Nagar, Pune - 411014.
3. Additional Secretary, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Jalna
7. CEO, MIDC, Jalna

8. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

9. Select file (TC-3)

(EC uploaded on 9/10/2014)

Environmental Clearance Compliance Statement

Project Name: Proposed Project for the Manufacture of TMT Bars 13200 TPM and New Unit of Rolling Mill of 13200 TPM at Gut No. 48, Village: Daregaon, Tal. & Dist.: Jalna, Maharashtra by

M/s. Meta Rolls & Commodities Pvt. Ltd.

Category of the Project: Ferrrous & Non-Ferrous B1

Ref. No.: SEAC 2011/CR – 683/TC2 Dated: 30th September 2014

EC Compliance Period: October to March 2023

S. N.	Conditions	Compliance Status
i.	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	Noted and being complied. We only use the available land for our industrial operations since there is space on it. While we do not require additional land, if it is required, we will seek permission from the relevant authorities.
ii.	This environmental clearance is issued subject to obtaining NOC from forestry & wild life angel including clearance from the standing committee of the national Board for Wild life as if applicable & this environmental clearance does not necessarily imply that forestry & Wild life clearance granted to the project which will be considered separately.	Noted. Because of the closest proximity of our industry to MIDC's land and due to the fact that the area does not fall under the forestry or wildlife categories, a NOC is not necessary.

iii.	For controlling fugitive natural dust, regular sprinkling of water & wind shields at appropriate distance in vulnerable areas of the plant shall be used.	Being Complied. The plant has dust controllers and collection systems, de-dusting systems, and dust suppression systems in place to reduce fugitive emissions. To control any dust, the project site's entrance road and internal roadways are regularly misted with water. The project site's perimeter is completely surrounded by greenery, which serves as a buffer against generated noise and dispersed dust.
iv.	PP has to abide the conditions stipulated by SEAC & SEIAA.	Noted & agreed.
v.	Regular monitoring of the air quality, including SPM & SO ₂ levels both in work zone and ambient air shall be carried out in and around the power plant records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) & submit report accordingly to MPCB.	Noted and being complied. The project site is within a 10-kilometer radius of where we regularly test the air quality for the criteria PM ₁₀ , PM _{2.5} , SO ₂ & NO _x levels in both the work zone and ambient air. The monitoring results are well within MoEF&CC's permitted level. The MoEF&CC and the relevant Sub Regional Office of the MPCB receive frequent submissions of monitoring results together with EC Compliance reports. Monitoring reports for both workplace and ambient air quality are enclosed as Annexure – III .
vi.	Necessary arrangement shall be made for adequate safety and ventilation arrangement in furnace area.	Noted and being complied. We are taking every precautionary step we can to keep the risk zone inside the plant's perimeter. A full firefighting system with a fire extinguisher is built at the furnace area and office premises. In order to prevent any air from building up, adequate ventilation is supplied in the furnace area.

vii.	Proper Housekeeping program shall be implemented.	Noted and being complied. In order to maintain a tidy and clean environment at the project site, a housekeeping team has been deployed.
viii.	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Noted & being complied. The unit will be promptly turned off and not restarted until the necessary efficiency has been reached in the event that any pollution control system set by the unit fails.
ix.	Stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable)	Complied. In accordance with CPCB regulations, an adequate stack height has been rooted out, and DG set stacks have been equipped with an acoustic enclosure to reduce the noise generates.
x.	A detailed scheme for rainwater harvesting shall be prepared and implement to recharge ground water.	Noted and being complied. Storm water drains are available to direct rainfall from various locations into a reservoir, and we have installed a rainwater harvesting system for recharging ground water. The reservoir has adequate space to hold all of the monsoon rainwater. The utilization of stored rainwater for plant operations lowers the need for fresh water.
xi.	Arrangement shall be made that effluent and storm water does not get mixed.	Complied. Drains for domestic and storm water are built separately so that there is no chance of mixing together. Only domestic water is generated as effluent in the current plant operations.

xii.	<p>Noise level shall be maintained as per standards. For people working in the high noise area. Requisite personal protective equipment like earplugs etc. shall be provided.</p>	<p>Being complied.</p> <p>We manage to maintain the noise level within the acceptable ranges. The essential personal safety gear, including earplugs and ear muffs, was provided to the workers. The project site and the surrounding area undergo routine noise monitoring.</p>
xiii.	<p>The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise level shall be confirm to the standards prescribe under Environment (protection) Act 1986 Rules, 1989.</p>	<p>Being complied.</p> <p>The use of noise control devices, such as acoustic hoods, silencers, enclosures, etc. on all sources of noise generation, helps the plant's overall noise levels to remain well below the set norms. The D.G set has an acoustic enclosure. We regularly oil, grease, and maintain the machinery in order to eliminate friction. The measured noise levels are much below the allowed limit.</p>
xiv.	<p>Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consolation with the local DFO/ Agriculture Dept.</p>	<p>Being complied.</p> <p>According to the Forest Department, Government of Maharashtra circular no. SaVaVi-2019/C.R.3/F-11, dated 25th June 2019, we have planted native and indigenous trees such as Karanj, Peepal, Neem, Jamun and other suitable trees in the 33% of the total land as per the Meyawaki dense forest concept.</p>

xv.	Adequate safety measures shall be provided to limits the risk zone within the plant boundary, in case of an accident. Smoke and heat detection device shall also be installed at strategic places for early detection and warning.	Being complied. We are taking every precaution to limit the risk zone within the plant's boundaries. A comprehensive firefighting system with a fire extinguisher is present at the furnace and office buildings.
xvi.	Occupational health surveillance of the workers shall be done regular basis and record maintained as per Factories Act.	Being Complied. A department for safety and the environment is formed, suitable health-related measures are put in place to provide the best possible hygienic conditions inside the plant area, and worker health checkup are conducted on a regular basis.
xvii.	The company shall make the arrangement for Protection of possible fire hazards during manufacturing process in material handling.	Complied. For the prevention of potential fire threats during manufacturing and material handling, fire hydrants and firefighting equipment have been installed, and we constantly perform safety training for employees to keep them updated about the existing protection systems.
xviii.	The project authorities must strictly comply with the rules and regulation with regard to the handling and disposal of hazardous wastes in accordance with the hazardous waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collection /treatments / storage / disposal of hazardous waste.	Complied. No hazardous materials are used in the manufacturing process, no toxic substances are produced as products, and no hazardous waste gets generated throughout the manufacturing process.
xix.	The company shall undertake following waste minimization measures.	

1.	Metering of quantities of active ingredients to minimize waste.	Noted & being complied. Utilizing scrap with the highest level of productive quality and shredding it into tiny pieces, we constantly strive to reduce the waste produced by our operations.
2.	Reuse of by products from the process as raw materials or as raw material substitutes in other process.	Noted & being complied. Slag is generated by our Manufacturing process and we are utilizing it as a sand for construction activity if any and balance we are using for manufacturing of bricks.
3.	Maximizing Recoveries.	Noted and being complied.
4.	Use of automated material transfer system to minimize spillage.	Being Complied. We have an automatic scrap collection system that uses magnets in order to collect scrap; the scrap it collects is then immediately put into the furnace.
xx.	Regular mock drills for the onsite emergency management plan shall be carried. Out Implementation of changes / improvements required, if any, in the onsite management plan shall be ensured.	Being complied. Regular mock exercises and safety training are done as part of the emergency management plan for the place of operation. In case of an emergency, first aid facilities are made available at the project site.
xxi.	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Complied. A 5 person's team composed of qualified employees, comprising an EHS Manager and a Safety Officer, has been appointed. To handle all environmental and safety-related concerns, we have set up a fully functional environment management cell.
xxii.	Transportation of ash will be through closed containers and all measures should be taken prevent spelling of the ash.	Not Applicable.

xxiii.	Separate silos will be provided for collection and strong bottom ash and fly ash.	Not Applicable.
xxiv.	Separate funds shall be allocated for implementation of environmental protection measures/ EMP along with item wise breaks up these cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should to the MPCB & this department.	Being Complied. We have earmarked the separate fund for environmental protection measures and we assured you that it will not use or diverted for any other work, and year-wise expenditure submitted to the MPCB and MoEF&CC department.
xxv.	The project management shall advertise at least In two local newspapers widely circulated in the region around the project on of which shall be in Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance letter are available with the Maharashtra pollution control Board and may also be seen at website at http://ec.maharashtra.gov.in	Complied. The advertisement was published in both English and Marathi in two extensively circulated local newspapers in the area, copy for the same is enclosed as Annexure – II.
xxvi.	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and condition in hard & soft copies to the MPCB & this department, on 1 st June & 1 st Dec of each calendar year.	Being Complied. Six monthly compliance report in respect of the stipulated prior environment clearance terms and conditions being submitted by us regularly in time and soft copy mailed to MoEF&CC Regional Office and hard copy to MPCB, details for the same is enclosed as Annexure – IV.
xxvii.	A copy of the clearance letter shall be sent by proponent to the concerned municipal corporation 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. The company's website also contains a copy of the clearance letter that was sent to the relevant local authority, municipal council, or corporation.

xxviii	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically it shall simultaneously be sent to the Regional office of MOEF, the respective zonal office of CPB and SPCB. The criteria pollutant levels namely, SPM.RSPM.SO2 NO X (ambient levels as well stack emissions) or critical sectorial parameters ,indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Noted, We are submitting the six monthly compliance report in respect of EC conditions along with monitoring reports, to the respective MoEF&CC Regional Office and MPCB office by soft and hard copies, and uploading the same on the industry website. The criteria of the pollutant levels, SPM, RSPM, SO ₂ & NO _x are displayed on the LED based Board near to the main gate of the industry.
xxix.	Six Monthly monitoring reports should be submitted to the regional office MOEF, Bhopal with copy to this department and MPCB.	Being Complied. We are submitting regularly the six monthly compliance report along with monitoring data.
xxx.	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	Complied.
xxxi	The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble court will be binding on the project proponent. Hence, this clearance does not give immunity to the project proponent in the case filed against him	Noted and agreed.



जाहीर प्रगटव

मेटा रोलस अँड कमोडीटीज प्रा.ली. जालना या प्रगटवद्वारे जाहीर सुचित करतो की, पर्यावरण विभाग, महाराष्ट्र राज्य यांनी आमच्या मेटा रोलस अँड कमोडीटीजीज प्रा.ली.च्या विस्तृत उत्पादनाच्या विस्तारीकरण प्रकल्प क्षमता ५०० मेट्रीक टन प्रतिदिन गट क्र. ४८ औद्योगिक परराहत जवळ, दोगाव जालनासाठी पर्यावरण संयुती दिली आहे. जीचा क्र. SEA 2014/CR-32/TC-2 दिनांक ३० ऑक्टोबर २०१४ असून दिनांक ०७ ऑक्टोबर २०१४ रोजी पर्यावरण विभागाच्या सांकेतिक स्थळाचा प्रकटित केला आहे. सदा पर्यावरण संयुतीची प्रत आमचे कार्यालय हमेशाच महाराष्ट्र प्रदुषण नियंत्रण महॉंडळ यांच्या कार्यालयात उपलब्ध आहे. संकेत स्थळ ec.maharashtra.gov.in

मेटा रोलस अँड कमोडीटीज प्रा.ली. जालना
(CIN No. U27101MH2002PTC135427)

SUNDAY 19 | OCTOBER 2014
AURANGABAD

Lokmat Times

www.epaper.lokmat.com/lokmattimes/

Public Notice

We, **M/S Meta Rolls & Commodities Pvt Ltd.** Hereby bring to the notice that Government of Maharashtra Environment Department has granted "ENVIRONMENTAL CLEARANCE" on Dated 30th September 2014, and subsequently uploaded on web site on dated 07/10/2014, file bearing number : SEAC-2014 / CR-32 / TC - 2 for our expansion project **M/s Meta Rolls & Commodities Pvt. Ltd.** with capacity of Billet 500 MTD, at Gut No.48, Adjacent to MIDC, Phase II, Daregaon, Jalna, District : Jalna (Maharashtra) The clearance letter is available with our office, Regional office M.P.C.B. Aurangabad & on the website of Govt. Maharashtra, Envi. Dept. (ec.maharashtra.gov.in)

M/s Meta Rolls & Commodities Pvt. Ltd.

(CIN No.U27101MH2002PTC135427)

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: cac-cell@mpcb.gov.in



Kalpataru Point, 2nd and
4th floor, Opp. Cine Planet
Cinema, Near Sion Circle,
Sion (E), Mumbai-400022

RED/L.S.I (O63)
No:- Format1.0/CC/UAN
No.0000116876/CR/2205000702

Date: 12/05/2022

To,
M/s. Metarolls Ispat Pvt. Ltd.,
Gut No. 48, Adjacent to MIDC Phase - II, Daregaon,
Jalna.



Your Service is Our Duty

Sub: Grant of Renewal of Consent to Operate under Red category.

- Ref:**
1. Environmental Clearance granted by Environment Department GoM vide dtd. 30/09/2014.
 2. Earlier Consent to Operate granted by the Board vide no. BO/JD (APC)/UAN No. 0000042822/R/CC - 1808000690 dtd. 16/082018.
 3. Amendment in Consent to Operate issued by the Board w.r.t. curtailment of Consent validity, vide no. BO/JD (APC)/ Amendment / CC - 1239 dtd. 18/11/2019.
 4. Amendment in Consent to Operate issued by the Board w.r.t. extension of Consent validity, vide no. BO/JD (APC)/ Amendment / CC - 0090 (A) dtd. 23/03/2021.
 5. Minutes of 1st Consent Committee Meeting held on 08/04/2022.

Your application No.MPCB-CONSENT-0000116876 Dated 29.06.2021

For: Grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to renewal is granted for a period up to 30/06/2023**
2. **The capital investment of the project is Rs.74.6 Crs. (As per C.A Certificate submitted by industry)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	MS BILLETS	158400	MT/A
2	MS TMT BARS	158400	MT/A

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

<i>Sr No</i>	<i>Description</i>	<i>Permitted (in CMD)</i>	<i>Standards to</i>	<i>Disposal Path</i>
1.	Trade effluent	0	As per Schedule-I	Not Applicable
2.	Domestic effluent	4.2	As per Schedule-I	On land for gardening

5. **Conditions under Air (P & CP) Act, 1981 for air emissions:**

<i>Sr No.</i>	<i>Stack No.</i>	<i>Description of stack / source</i>	<i>Number of Stack</i>	<i>Standards to be achieved</i>
1	01	Induction Furnace (29 T)	1	As per Schedule -II
2	02	Induction Furnace (30 T)	1	As per Schedule -II
3	01	DG Set of 1000 KVA	1	As per Schedule -II
4	01	DG Set of 500 KVA	1	As per Schedule -II

6. **Non-Hazardous Wastes:**

<i>Sr No</i>	<i>Type of Waste</i>	<i>Quantity</i>	<i>UoM</i>	<i>Treatment</i>	<i>Disposal</i>
1	SLAG	18	MT/Day	Sale	used for hardening of internal road / working area/used as sand in construction.

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

<i>Sr No</i>	<i>Category No./ Type</i>	<i>Quantity</i>	<i>UoM</i>	<i>Treatment</i>	<i>Disposal</i>
NA					

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. The applicant shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).
11. The applicant shall strictly comply with the conditions of Environmental Clearance granted by Environment Department GoM vide dtd. 30/9/2014.
12. This consent is issued pursuant to the decision of the 1st Consent Committee Meeting held on 08/04/2022.
13. The applicant shall complete work of installation of bag filter to the 30 T furnace on or before 30/06/2022 and shall submit BG of Rs. 5.0 Lakh towards compliance of the same.
14. If, the applicant has failed to achieve to control 100% secondary fumes by utilizing, provided alternative secondary fume extraction system then the applicant shall follow and implement following schedule and submit BGs accordingly.
15. The applicant shall issue purchase order for installation of secondary fume extraction system within 15 days and shall submit BG of Rs. 2.0 Lakh towards compliance of the same.

16. The applicant shall ensure that material should be procured within 15 days after issuing purchase order and shall submit BG of Rs. 3.0 Lakh towards compliance of the same.
17. The applicant shall ensure that work of provision of secondary fume extraction system shall be started within 15 days after material procured on site and shall submit BG of Rs. 5.0 Lakh towards compliance of the same.
18. The applicant shall ensure that installation of secondary fume extraction systems shall be installed within 04 months and shall submit BG of Rs. 5.0 Lakh towards compliance of the same.
19. The applicant shall ensure that trials of secondary fume extortion system within 15 days after installation of secondary fume extraction system and shall submit BG of Rs. 5.0 Lakh towards compliance of the same.
20. If applicant fails to comply point no. 15 to 19 within time, then BG will be forfeited and top-up accordingly.
21. The applicant shall submit progress report after completion of each activity to SRO Jalna and SRO Jalna shall submit monthly progress report after verification.
22. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.



Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	200000.00	TXN2106002943	30/06/2021	Online Payment

As per earlier Consents fees of Rs. 1.0 Lakh is balance with the Board and same will be considered at the time of grant of next Renewal of Consent to Operate.

Copy to:

1. Regional Officer, MPCB, Aurangabad and Sub-Regional Officer, MPCB, Jalna
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai
3. SRO Jalna:- Directed to submit verification report regarding installation of bag filter after completion of schedule.

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] Generation - As per your application the treated effluent generation is Nil.
B] Treatment - NA
C] Disposal - NA
2. A] As per your application, you have provided Septic Tank followed by Soak pit for the treatment of 4.5 CMD of sewage.
B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	Suspended Solids	Not to exceed	50
2	BOD 3 days 27°C	Not to exceed	30
3	COD	Not to exceed	100

- C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way outside factory premises.
3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	185.00
2.	Domestic purpose	4.50
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	00

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
01	Induction Furnace (29 T)	Fume Extraction system followed by bag filter alongwith alternative secondary fume extraction system.	35.00	Electricity. 00 --NA--	-	TPM	100 Mg/Nm ³
02	Induction Furnace (30 T)	Fume Extraction system followed by wet scrubber alongwith alternative secondary fume extraction system.	35.00	Electricity. 00 --NA--	-	TPM	100 Mg/Nm ³
03	DG Set of 1000 KVA	Acoustic Enclosure	5.00	HSD 50 Lit/Day	1	SO2	1.0 Kg/Day
04	DG Set of 500 KVA	Acoustic Enclosure	5.00	HSD 50 Lit/Day	1	SO2	1.0 Kg/Day

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

SCHEDULE-III**Details of Bank Guarantees:**

Sr. No	Consent (C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Renewal of Consent to Operate	Rs. 5.0 Lakh	15 days.	Towards work completion of installation of bag filter to the 30 T furnace.	30/06/2022.	One Year.
2	Renewal of Consent to Operate	Rs. 10.0 Lakh	15 days.	Towards O & M of pollution control systems and compliance of Consent conditions.	Continuous.	31/12/2023.
3	Renewal of Consent to Operate	Rs. 2.0 Lakh	15 days.	Towards issue purchase order for installation of secondary fume extraction system.	15 days.	One Year.
4	Renewal of Consent to Operate	Rs. 3.0 Lakh	15 days.	Towards material should be procured within 15 days after issuing purchase order.	15 days after issuance of P.O.	One Year.
5	Renewal of Consent to Operate	Rs. 5.0 Lakh	15 days.	Towards ensure that work of provision of secondary fume extraction system shall be started.	15 days after material procured on site.	One Year.
6	Renewal of Consent to Operate	Rs. 5.0 Lakh	15 days.	Towards ensure that installation of secondary fume extraction systems	4 months.	One Year.
7	Renewal of Consent to Operate	Rs. 5.0 Lakh	15 days.	Towards trials of secondary fume extortion system.	15 days after installation of SFES.	One Year.

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

This certificate is digitally & electronically signed.



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000045879

Submitted Date

17-09-2022

PART A

Company Information

Company Name

M/S: METAROLLS ISPAT PVT LTD

Application UAN number

MPCB-CONSENT-0000117869

Address

GUT NO: 48, DAREGAON, ADJACENT TO MIDC PHASE-II

Plot no

GUT NO: 48

Taluka

JALNA

Village

DAREGAON ADJACENT TO MIDC PHASE-III

Capital Investment (In lakhs)

7460

Scale

LSI

City

JALNA

Pincode

431203

Person Name

R A BHAKKAD

Designation

DGM

Telephone Number

02482220036

Fax Number

00

Email

rabhakkad@metarolls.com

Region

SRO-Jalna

Industry Category

ORANGE

Industry Type

O61 Rolling mill (oil or coal fired) and cold rolling mill

Last Environmental statement submitted online

yes

Consent Number

NO. FORMAT1.0/CC/UAN
NO.0000116876/CR/2205000702

Consent Issue Date

2022-05-12

Consent Valid Upto

2023-06-30

Establishment Year

0

Date of last environment statement submitted

Sep 28 2021 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

MS BILLETS

Consent Quantity

158400

Actual Quantity

157958.060

UOM

MT/A

MS TMT BARS

158400

154805.803

MT/A

By-product Information

By Product Name

NA

Consent Quantity

00

Actual Quantity

00

UOM

Nos./Y

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	185.00	175.00
Domestic	4.50	3.50
All others	0.00	0.00
Total	189.50	178.50

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
NA	00	00	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
MS BILLETS	0.25	0.2	CMD
TMT BARS	0.25	0.2	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
MS SCRAP AND SPONGE IRON	166823.196	167857.353	MT/A
MS BILLETS	157406.69	157958.060	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
ELECTRICITY	00	223510.654	Mwh
HSD	36	00	KL/A

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	00	00	00	00	00

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
PARTICULATE MATTER	00	58	00	150	MG/NM3
SO2	00	33.2	00	80	MG/NM3

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
SLAG	5926	5824.650	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
PROCESS DUST/ RESIDUE	3490.506	4074.643	Kg
PROCESS DUST/ RESIDUE	3490.506	4074.643	Kg

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
0	00	MT/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
SLAG	5824.650	MT/A	00
PROCESS DUST/ RESIDUE	4074.643	MT/A	00

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
0	0	0	0	0	0	0

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
APC SYSTEM	UPGRADATION OF APC SYSTEM, INSTALLATION ONLINE CONTINEUOS EMISSION MONITORING SYSTEM	800

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
OPERATION AND MAINTENANCE	APC SYSTEM, GREEN BELT DEVELOPMENTS	600

Part-I

Any other particulars for improving the quality of the environment.

Particulars

WE HAVE UPGRADED OUR APC SYSTEM, INSTALLED AN ONLINE CONTINUOUS EMISSION MONITORING SYSTEM, AND ARE GRADUALLY DEVELOPING THE GREEN BELT AREA WHILE ALSO MAINTAINING THE ENVIRONMENTAL BALANCE IN INDUSTRY PREMISES.

Name & Designation

R A BHAKKAD (DGM)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000045879

Submitted On:

17-09-2022



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

Unique Application Number:

MPCB-HW_ANNUAL_RETURN-0000026477

Submitted On:

13-05-2022

Industry Type :

Recycler/Actual User

Submitted for Year:

April 2020 to March 2021

1. Name of the generator/operator of facility

METAROLLS ISPAT PVT LTD

Address of the unit/facility

GUT NO: 48, DAREGAON, ADJACENT TO MIDC
PHASE - II, JALNA

1b. Authorization Number

FORMAT 1.0/CC/UAN NO: 0000116876/CR/2205000702

Date of issue

May 12, 2022

Date of validity of consent

Jun 30, 2023

2. Name of the authorised person

R A BHAKKAD

Full address of authorised person

JALNA

Telephone

7720003290

Fax

00

Email

rabhakkad@metarolls.com

3. Production during the year (product wise), wherever applicable

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Iron & Steel	MS BILLETS	158400.0000	157406.69	MT/A
Iron & Steel	MS TMT BARS	158400.0000	153911.478	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	UOM
	NA	0.000	00	MTA

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
	00	MTA	0	00

3. Quantity Utilised in-house,If any

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	00	MTA

4. Quantity in storage at the end of the year

Type of Waste	Name of Waste	Quantity of Waste	UOM
	00	00	MTA

5. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
Direct landfilling	00	KL/Anum
Landfill after treatment	00	KL/Anum

6. Quantity incinerated (if applicable)	UOM
00	KL/Anum

PART B: To be filled bt Treatment,storage, and disposal facility operators

1.Total Quantity received	UOM	State Name
NA	KL/Anum	Other
2. Quantity in stock at the beginning of the year	UOM	
NA	KL/Anum	
3. Quantity treated	UOM	
NA	KL/Anum	
4. Quantity disposed in landfills as such and after treatment		
Type	Quantity	UOM
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum
5. Quantity incinerated (if applicable)	UOM	
NA	KL/Anum	
6. Quantiry processed other than specified above	UOM	
NA	KL/Anum	
7. Quantity in storage at the end of the year.	UOM	
NA	KL/Anum	

PART C: To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year

Waste Name/Category	Country Name	State Name	Quantity of waste received from domestic sources	Quantity of waste imported(If any)	Units
MS SCRAP	India	Maharashtra	132156.573	31168.310	MTA

2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
MS SCRAP	7043.056	MTA

3. Quantity of waste recycled or co-procesed or used

Name of Waste	Type of Waste	Quantity	UOM
MS SCRAP	SCRAP	166823.196	MTA

4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
TMT BAR	153076.308	MTA

5. Total quantity of waste generated

Waste name/category	quantity	UOM
SLAG	5926	MTA

6. Total quantity of waste disposed

Waste name/category	quantity	UOM
SLAG	5926	MTA

7. Total quantity of waste re-exported (If Applicable)

Waste name/category	quantity	UOM
NA	00	MTA

8. Quantity in storage at the end of the year

Waste name/category	quantity	UOM
SLAG	NIL	MTA
MS SCRAP	3544.743	MTA

9. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum

10. Quantity incinerated (if applicable)

UOM
NA
KL/Anum

Personal Details

Place	Date	Designation
JALNA	2022-05-13	DGM



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Registered Laboratory for Soil testing under Agriculture Department, Maharashtra State.



TEST REPORT

RL-R20-01B

Report No.: RL/TR/2022/10-198	Issue Date: 07/11/2022
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type: Ambient air quality monitoring
Sampling Plan Reference No.: 07/10	Your Reference: Verbal
Date & Time of Sampling: 28 th to 29 th October 2022, 01.00 PM	Reference Date: -
Codification No: RLC-10/183	Sample ID: -
ENVIRONMENTAL CONDITIONS:	Sample Location: Near Main Gate
Min. Temperature: 24°C	Latitude: -
Max. Temperature: 32°C	Longitude: -
Sample Received On: 29/10/2022	Sample Collected By: RAJAS LABORATORIES
Analysis Start On: 29/10/2022	Min. Rel. Humidity: 36.0%
Completion of Analysis: 07/11/2022	Max. Rel. Humidity: 42.0%

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	14.56	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	25.96	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	89.12	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	39.88	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	7.54	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	15.41	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	1.66	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-74	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-75	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 months from the date of issue of test report for perishable & nonperishable items respectively.
- The above tested product no way implies that the product, process, services, management and system or person is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Kshitij Tamhane (TM Env.)
Authorized Signatory

Authorised By

Raju Ghule (LMR)
Authorized SignatoryPage 1 Of 1
END OF REPORT



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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2022/10-199		Issue Date: 07/11/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Type	Ambient air quality monitoring
Sampling Plan Reference No.: 07/10		Your Reference	Verbal
Date & Time of Sampling: 28 th to 29 th October 2022, 01.30 PM		Reference Date	-
Codification No: RLC-10/184		Sample ID	-
ENVIRONMENTAL CONDITIONS:		Sample Location	Furnace Shed
Min. Temperature	26°C	Latitude	-
Max. Temperature	32°C	Longitude	-
Sample Received On: 29/10/2022	Analysis Start On: 29/10/2022	Sample Collected By	RAJAS LABORATORIES
		Min. Rel. Humidity	31.0%
		Max. Rel. Humidity	39.0%
		Completion of Analysis:	07/11/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	12.56	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	17.48	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	77.39	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	30.30	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	6.97	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	9.88	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.78	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-83	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-87	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & non-perishable items respectively.
- The above tested product no way implies that the product, process, services, management and system or person is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024

Reviewed By

Kshitij Tamhane (TM Env.)
Authorized Signatory

Authorised By

Raju Ghule (LMR)
Authorized SignatoryPage 1 Of 1
END OF REPORT



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Registered Laboratory for Soil testing under Agriculture Department, Maharashtra State.



TEST REPORT

RL-R20-01B

Report No.: RL/TR/2022/10-200	Issue Date: 07/11/2022
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type: Ambient air quality monitoring
Sampling Plan Reference No.: 07/10	Your Reference: Verbal
Date & Time of Sampling: 28 th to 29 th October 2022, 02.15 PM	Reference Date: -
Codification No: RLC-10/185	Sample ID: -
ENVIRONMENTAL CONDITIONS:	Sample Location: Rolling Mill Shed
Min. Temperature: 25°C	Latitude: -
Max. Temperature: 29°C	Longitude: -
Sample Received On: 29/10/2022	Sample Collected By: RAJAS LABORATORIES
Analysis Start On: 29/10/2022	Min. Rel. Humidity: 37.0%
Completion of Analysis: 07/11/2022	Max. Rel. Humidity: 40.0%

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	9.63	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	12.22	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	74.21	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	34.56	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	8.96	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	11.23	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.41	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-90	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-91	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & nonperishable items respectively.
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- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Kshiraj Tamhane (TM Env.)
Authorized Signatory

Authorised By

Raju Ghule (LMR)
Authorized SignatoryPage 1 Of 1
END OF REPORT



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Registered Laboratory for Soil testing under Agriculture Department, Maharashtra State.



TEST REPORT

RL-R20-01C

Report No.: RL/TR/2022/10-201		Issue Date: 07/11/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Dargaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Type	Stack Emission Monitoring
		Your Reference	Verbal
		Reference Date	-
		Sample ID	-
		Sample Location	Induction Furnace Stack – 1
Sampling Plan Reference No.: 07/10		Latitude	-
Date & Time of Sampling: 28 th October 2022, 01.30 PM		Longitude	-
Codification No: RLC-10/186		Sample Collected By	RAJAS LABORATORIES
STACK DETAILS:		Stack Material	MS
Stack ID	1	Fuel Consumption	-
Stack Height	35 Meters	Flue Gas Temperature	87.2°C
Stack Fuel	-	Flue Gas Velocity	3.9 m/s
Sample Received On: 29/10/2022	Analysis Start On: 29/10/2022	Completion of Analysis:	07/11/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	2.39	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	49.50	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	4.22	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-83	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2022/10-202		Issue Date: 07/11/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Type	Stack Emission Monitoring
		Your Reference	Verbal
		Reference Date	-
		Sample ID	-
		Sample Location	Induction Furnace Stack – 2
Sampling Plan Reference No.: 07/10		Latitude	-
Date & Time of Sampling: 28 th October 2022, 02.30 PM		Longitude	-
Codification No: RLC-10/187		Sample Collected By	RAJAS LABORATORIES
STACK DETAILS:		Stack Material	MS
Stack ID	2	Fuel Consumption	-
Stack Height	35 Meters	Flue Gas Temperature	91.0°C
Stack Fuel	-	Flue Gas Velocity	4.1 m/s
Sample Received On: 29/10/2022	Analysis Start On: 29/10/2022	Completion of Analysis:	07/11/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	3.66	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	67.52	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	5.45	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-83	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2022/10-203	Issue Date: 07/11/2022		
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE		
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Stack Emission Monitoring	
	Your Reference	Verbal	
	Reference Date	-	
	Sample ID	-	
	Sample Location	Re-heating Furnace Stack	
Sampling Plan Reference No.: 07/10	Latitude	-	
Date & Time of Sampling: 28 th October 2022, 03.30 PM	Longitude	-	
Codification No: RLC-10/188	Sample Collected By	RAJAS LABORATORIES	
STACK DETAILS:	Stack Material	MS	
Stack ID	3	Fuel Consumption	-
Stack Height	30 Meters	Flue Gas Temperature	79.5°C
Stack Fuel	-	Flue Gas Velocity	4.2 m/s
Sample Received On: 29/10/2022	Analysis Start On: 29/10/2022	Completion of Analysis:	07/11/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	4.96	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	62.35	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	7.21	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-83	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2022/10-204	Issue Date: 07/11/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Ambient noise level monitoring
	Codification No	RLC-10/189
	Your Reference	Verbal
	Reference Date	-
	Sample ID	-
	Sample Location	-
	Latitude	-
Sampling Plan Reference No.: 07/10	Longitude	-
Date & Time of Sampling: 28 th to 29 th October 2022, 04.00 PM		
Sample Collected By: RAJAS LABORATORIES		
Sample Received On: 29/10/2022	Analysis Start On: 29/10/2022	Completion of Analysis: 07/11/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method	
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)						
DAY						
1.	Main Gate	70.5	dB(A)	75	CPCB's Protocol for Ambient Noise Level Monitoring:2015	
2.	Admin Office	65.6				
NIGHT						
1.	Main Gate	65.4	dB(A)	70		
2.	Admin Office	59.7				

Remark (If Any): Above readings conforms to standard values as per CPCB guidelines.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-92	HTC SL-1350	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2022/10-205	Issue Date: 07/11/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Work place noise monitoring
	Codification No	RLC-10/190
	Your Reference	Verbal
	Reference Date	-
	Sample ID	-
Sampling Plan Reference No.: 07/10	Latitude	-
Date & Time of Sampling: 29 th October 2022, 11.00 AM	Longitude	-
Sample Collected By: RAJAS LABORATORIES		
Sample Received On: 29/10/2022	Analysis Start On: 29/10/2022	Completion of Analysis: 07/11/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)					
1.	Furnace Shed	70.2	dB(A)	90	RL-SOP-C-34, Ver.001, Issue Date 01 April:2022
2.	Casting Area	63.5			
3.	Raw Material Handling Unit	68.9			

Remark (If Any):

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-92	HTC SL-1350	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2022/10-206			Issue Date: 07/11/2022		
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD			SAMPLE REFERENCE		
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN			Sample Name	Surface Water	
			Nature of Sample	Colourless Clear Liquid	
			Brand Name	-	
			Batch No.	-	
			Sample Container	Plastic Container	
			Sample Quantity	Chemical-5 Liters & Biological - 1 Liter	
			Mfg. Dt/Used By	-	
Sampling Method: RL-MSP-P38	Date of Sampling & Time	29/10/2022, 09:30 AM			
Sampling Plan: 07/10	Location of Sampling	Moti Pond			
Unique Identification of the item: NA.	Environmental Condition	Stored at 2-8°C			
Codification No: RLC-10/191 & RLM-10/39	Expiry Date	-			
Sample Collected By: RAJAS LABORATORIES	Mfg. By: -				
Sample Received On: 29/10/2022	Analysis Start On: 29/10/2022	Completion of Analysis: 07/11/2022			
Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Surface Water)					
1.	Colour	BDL [DL=1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	23.2	-	°C	APHA 23 rd EDITION:2017
3.	pH at 25°C	7.11	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
4.	Calcium as Ca	31.22	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
5.	Magnesium as Mg	6.02	-	mg/l	APHA 23 rd EDITION:2017
6.	Chloride as Cl	39.25	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
7.	Total Alkalinity as CaCO ₃	128.32	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Total Dissolved Solid at 180°C	217.14	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
9.	Total Hardness as CaCO ₃	106.69	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2017)
10.	Turbidity	BDL [DL=1]	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
11.	Electrical Conductivity at 25°C	426.91	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
12.	Fluoride (as F)	BDL [DL=0.1]	-	mg/l	IS 3025(Part 60): 2008
13.	Sulphate (as SO ₄)	44.56	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
14.	Ammonia (as NH ₃)	BDL [DL=0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
15.	Nitrate (as NO ₃)	1.02	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
16.	Nitrite (as NO ₂)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
17.	Phosphate (as PO ₄)	1.36	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
18.	Dissolved Oxygen	5.98	-	mg/l	APHA 23 rd EDITION:2017
19.	Calcium Hardness	75.35	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
20.	Phenolphthalein Alkalinity	BDL [DL=5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
21.	Sodium (as Na)	39.87	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
22.	Potassium (as K)	6.33	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
23.	Chemical Oxygen Demand (COD)	29.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
24.	Biochemical Oxygen Demand (BOD)	6.00	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)
Biological Testing- 1.1.28. Water (Surface Water)					
1.	Total coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Present	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

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Raju Ghule (LMR)
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Survey No. 187/1, Plot No. 17-18, Shastrinagar, Kedgaon, Ahmednagar - 414 005, Maharashtra, India.

Ph.: +91- 0241-2550581, 2552681 E-mail : lab@rajasgroup.com Website : www.rajasgroup.com



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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2022/10-207		Issue Date: 07/11/2022			
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE			
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Name	Ground Water		
		Nature of Sample	Colourless Clear Liquid		
		Brand Name	-		
		Batch No.	-		
		Sample Container	Plastic Container		
		Sample Quantity	Chemical-5 Liters & Biological – 1 Liter		
		Mfg. Dt./Used By	-		
Sampling Method: RL-MSP-P38	Date of Sampling & Time		29/10/2022, 10:00 AM		
Sampling Plan: 07/10	Location of Sampling		Daregaon Village		
Unique Identification of the item: NA.	Environmental Condition		Stored at 2-8°C		
Codification No: RLC-10/192 & RLM-10/40	Expiry Date		-		
Sample Collected By: RAJAS LABORATORIES	Mfg. By: -				
Sample Received On: 29/10/2022	Analysis Start On: 29/10/2022	Completion of Analysis: 07/11/2022			
Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)					
1.	Colour	BDL [DL=1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	24.5	-	°C	APHA 23 rd EDITION:2017
3.	pH at 25°C	7.14	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
4.	Calcium as Ca	89.63	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
5.	Magnesium as Mg	27.55	-	mg/l	APHA 23 rd EDITION:2017
6.	Chloride as Cl	106.36	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
7.	Total Alkalinity as CaCO ₃	191.22	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Total Dissolved Solid at 180°C	374.34	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
9.	Total Hardness as CaCO ₃	198.63	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
10.	Turbidity	1.44	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
11.	Electrical Conductivity at 25°C	905.69	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
12.	Fluoride (as F)	BDL [DL=0.1]	-	mg/l	IS 3025(Part 60): 2008
13.	Sulphate (as SO ₄)	41.69	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
14.	Ammonia (as NH ₃)	BDL [DL=0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
15.	Nitrate (as NO ₃)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
16.	Nitrite (as NO ₂)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
17.	Phosphate (as PO ₄)	1.48	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
18.	Dissolved Oxygen	1.66	-	mg/l	APHA 23 rd EDITION:2017
19.	Calcium Hardness	69.55	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
20.	Phenolphthalein Alkalinity	BDL [DL=5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
21.	Sodium (as Na)	97.41	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
22.	Potassium (as K)	11.41	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
23.	Chemical Oxygen Demand (COD)	28.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed – 2017)
24.	Biochemical Oxygen Demand (BOD)	7.00	-	mg/l	IS 3025 (Part 44) (Reaffirmed – 2019)
Biological Testing- 1.1.28. Water (Ground Water)					
1.	Total coliform	110	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	2	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Absent	-	MPN/00ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

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Raju Ghule (LMR)
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Survey No. 187/1, Plot No. 17-18, Shastrinagar, Kedgaon, Ahmednagar - 414 005, Maharashtra, India.

Ph.: +91- 0241-2550581, 2552681 E-mail: lab@rajassgroup.com Website: www.rajassgroup.com



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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2022/11-466	Issue Date: 30/11/2022		
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE		
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Ambient air quality monitoring	
	Your Reference	Verbal	
	Reference Date	-	
	Sample ID	-	
Sampling Plan Reference No.: 05/11	Sample Location	Near Main Gate	
Date & Time of Sampling: 22 nd to 23 rd November 2022, 10:00 AM	Latitude	-	
Codification No: RLC-11/457	Longitude	-	
ENVIRONMENTAL CONDITIONS:	Sample Collected By	RAJAS LABORATORIES	
Min. Temperature	22°C	Min. Rel. Humidity	46.0%
Max. Temperature	28°C	Max. Rel. Humidity	53.0%
Sample Received On: 23/11/2022	Analysis Start On: 23/11/2022	Completion of Analysis: 30/11/2022	

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	26.38	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	39.89	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	90.02	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	44.56	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	11.88	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	23.09	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	1.53	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-83	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-87	Asha Enviro	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01 B

Report No.: RL/TR/2022/11-467	Issue Date: 30/11/2022		
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE		
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jaina - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Ambient air quality monitoring	
	Your Reference	Verbal	
	Reference Date	-	
	Sample ID	-	
Sampling Plan Reference No.: 05/11	Sample Location	Furnace Shed	
Date & Time of Sampling: 22 nd to 23 rd November 2022, 10:20 AM	Latitude	-	
Codification No: RLC-11/458	Longitude	-	
ENVIRONMENTAL CONDITIONS:	Sample Collected By	RAJAS LABORATORIES	
Min. Temperature	24°C	Min. Rel. Humidity	41.0%
Max. Temperature	29°C	Max. Rel. Humidity	54.0%
Sample Received On: 23/11/2022	Analysis Start On: 23/11/2022	Completion of Analysis: 30/11/2022	

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	19.89	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	32.05	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	85.91	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	34.82	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	9.08	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	21.41	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.72	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-90	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-91	Asha Enviro	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2022/11-468	Issue Date: 30/11/2022
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type: Ambient air quality monitoring
Sampling Plan Reference No.: 05/11	Your Reference: Verbal
Date & Time of Sampling: 22 nd to 23 rd November 2022, 11:00 AM	Reference Date: -
Codification No: RLC-11/459	Sample ID: -
ENVIRONMENTAL CONDITIONS:	Sample Location: Rolling Mill Shed
Min. Temperature: 22°C	Latitude: -
Max. Temperature: 27°C	Longitude: -
Sample Received On: 23/11/2022	Sample Collected By: RAJAS LABORATORIES
Analysis Start On: 23/11/2022	Min. Rel. Humidity: 45.0%
Completion of Analysis: 30/11/2022	Max. Rel. Humidity: 56.0%

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	15.01	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	35.98	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	81.29	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	37.66	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	7.23	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	25.98	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.79	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-74	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-75	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2022/11-469	Issue Date: 30/11/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Stack Emission Monitoring
	Your Reference	Verbal
Sampling Plan Reference No.: 05/11	Reference Date	-
	Sample ID	-
Date & Time of Sampling: 22 nd November 2022, 11:00 AM	Sample Location	Induction Furnace Stack – 1
Codification No: RLC-11/460	Latitude	-
STACK DETAILS:	Longitude	-
	Sample Collected By	RAJAS LABORATORIES
Stack ID	Stack Material	MS
Stack Height	Fuel Consumption	-
Stack Fuel	Flue Gas Temperature	97.°C
Sample Received On: 23/11/2022	Flue Gas Velocity	2.4 m/s
Analysis Start On: 23/11/2022	Completion of Analysis:	30/11/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	1.88	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	36.58	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	3.65	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-83	Asha Enviro	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2022/11-470	Issue Date: 30/11/2022		
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE		
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Stack Emission Monitoring	
	Your Reference	Verbal	
	Reference Date	-	
	Sample ID	-	
	Sample Location	Induction Furnace Stack - 2	
Sampling Plan Reference No.: 05/11	Latitude	-	
Date & Time of Sampling: 22 nd November 2022, 12:30 PM	Longitude	-	
Codification No: RLC-11/461	Sample Collected By	RAJAS LABORATORIES	
STACK DETAILS:	Stack Material	MS	
Stack ID	2	Fuel Consumption	-
Stack Height	35 Meters	Flue Gas Temperature	98.4°C
Stack Fuel	-	Flue Gas Velocity	3.7 m/s
Sample Received On: 23/11/2022	Analysis Start On: 23/11/2022	Completion of Analysis: 30/11/2022	

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	2.74	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	47.52	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	3.11	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-83	Asha Enviro	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2022/11-471	Issue Date: 30/11/2022		
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE		
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Stack Emission Monitoring	
	Your Reference	Verbal	
	Reference Date	-	
	Sample ID	-	
	Sample Location	Re-heating Furnace Stack	
	Latitude	-	
Sampling Plan Reference No.: 05/11	Longitude	-	
Date & Time of Sampling: 22 nd November 2022, 02:00 PM	Sample Collected By	RAJAS LABORATORIES	
Codification No: RLC-11/462	Stack Material	MS	
STACK DETAILS:	Fuel Consumption	-	
Stack ID	3	Flue Gas Temperature	102.4°C
Stack Height	30 Meters	Flue Gas Velocity	3.9 m/s
Stack Fuel	-	Completion of Analysis:	30/11/2022
Sample Received On: 23/11/2022	Analysis Start On: 23/11/2022		

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	2.87	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	42.56	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	3.69	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-83	Asha Enviro	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2022/11-472	Issue Date: 30/11/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		
Sampling Plan Reference No.: 05/11	Sample Type	Ambient noise level monitoring
Date & Time of Sampling: 22 nd to 23 rd November 2022, 11:50 AM	Codification No	RLC-11/463
Sample Collected By: RAJAS LABORATORIES	Your Reference	Verbal
Sample Received On: 23/11/2022	Reference Date	-
Analysis Start On: 23/11/2022	Sample ID	-
Completion of Analysis: 30/11/2022	Sample Location	-
	Latitude	-
	Longitude	-

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method	
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)						
DAY						
1.	Main Gate	68.5	dB(A)	75	CPCB's Protocol for Ambient Noise Level Monitoring:2015	
2.	Admin Office	61.4				
NIGHT						
1.	Main Gate	61.1	dB(A)	70		
2.	Admin Office	58.9				

Remark (If Any): Above readings conforms to standard values as per CPCB guidelines.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-92	HTC SL-1350	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2022/11-473	Issue Date: 30/11/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Work place noise monitoring
	Codification No	RLC-11/464
	Your Reference	Verbal
	Reference Date	-
	Sample ID	-
Sampling Plan Reference No.: 05/11	Latitude	-
Date & Time of Sampling: 22 nd November 2022, 02:45 PM	Longitude	-
Sample Collected By: RAJAS LABORATORIES		
Sample Received On: 23/11/2022	Analysis Start On: 23/11/2022	Completion of Analysis: 30/11/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)					
1.	Furnace Shed	69.5	dB(A)	90	RL-SOP-C-34, Ver.001, Issue Date 01 April:2022
2.	Casting Area	61.4			
3.	Raw Material Handling Unit	65.6			

Remark (If Any):

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-92	HTC SL-1350	Valid Up to 04/07/2023

Terms & Conditions:

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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2022/11-474		Issue Date: 30/11/2022			
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE			
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADC3474C1Z1N		Sample Name	Surface Water		
		Nature of Sample	Colourless Clear Liquid		
		Brand Name	-		
		Batch No.	-		
		Sample Container	Plastic Container		
		Sample Quantity	Chemical-5 Liters & Biological - 1 Liter		
		Mfg. Dt./Used By	-		
Sampling Method: RL-MSP-P38		Date of Sampling & Time	23/11/2022, 09:38 AM		
Sampling Plan: 05/11		Location of Sampling	Moti Pond		
Unique Identification of the item: NA.		Environmental Condition	Stored at 2-8°C		
Codification No: RLC-11/465 & RLM-11/97		Expiry Date	-		
Sample Collected By: RAJAS LABORATORIES		Mfg. By: -	-		
Sample Received On: 23/11/2022		Analysis Start On: 23/11/2022	Completion of Analysis: 30/11/2022		
Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Surface Water)					
1.	Colour	BDL [DL-1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	23.1	-	°C	APHA 23 rd EDITION:2017
3.	pH at 25°C	7.62	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
4.	Calcium as Ca	43.24	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
5.	Magnesium as Mg	17.62	-	mg/l	APHA 23 rd EDITION:2017
6.	Chloride as Cl	46.00	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
7.	Total Alkalinity as CaCO ₃	184.82	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Total Dissolved Solid at 180°C	305.00	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
9.	Total Hardness as CaCO ₃	180.00	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
10.	Turbidity	2.2	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
11.	Electrical Conductivity at 25°C	215.00	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
12.	Fluoride (as F)	BDL [DL-0.1]	-	mg/l	IS 3025(Part 60): 2008
13.	Sulphate (as SO ₄)	45.08	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
14.	Ammonia (as NH ₃)	BDL [DL-0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
15.	Nitrate (as NO ₃ ⁻)	1.20	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
16.	Nitrite (as NO ₂ ⁻)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
17.	Phosphate (as PO ₄)	1.66	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
18.	Dissolved Oxygen	7.80	-	mg/l	APHA 23 rd EDITION:2017
19.	Calcium Hardness	106.00	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
20.	Phenolphthalein Alkalinity	BDL [DL-5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
21.	Sodium (as Na)	45.58	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
22.	Potassium (as K)	7.13	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
23.	Chemical Oxygen Demand (COD)	26.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
24.	Biochemical Oxygen Demand (BOD)	8.00	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)
Biological Testing- 1.1.28. Water (Surface Water)					
1.	Total coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Present	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate is valid only for the purpose stated and shall not be used for advertising or legal action.
- This Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 3 days & 1 month from the date of issue of test report for portable & non-portable water respectively.
- The above tested product may implies that the product, process, services, management and systems or personnel are approved by NABL.
- Free not established between the company and the client at the time the order is placed or contract is signed, which are subject to change and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Lomate (TM Chem) & Pawar (TM Micro)
Authorized Signatory



Authorised By

Raju Ghule (LMR)
Authorized Signatory

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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2022/11-475

Issue Date: 30/11/2022

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Dargaon, Jalna - 431213.

Mobile- 7720003290

GSTIN- 27AADC3474C1Z

SAMPLE REFERENCE

Sample Name	Ground Water
Nature of Sample	Colourless Clear Liquid
Brand Name	-
Batch No.	-
Sample Container	Plastic Container
Sample Quantity	Chemical-5 Liters & Biological - 1 Liter
Mfg. Dt./Used By	-

Sampling Method: RL-MSP-P38

Date of Sampling & Time: 23/11/2022, 10:10 AM

Sampling Plan: 05/11

Location of Sampling: Dargaon Village

Unique Identification of the item: NA.

Environmental Condition: Stored at 2-8°C

Codification No: RLC-11/466 & RLM-11/98

Expiry Date: -

Sample Collected By: RAJAS LABORATORIES

Mfg. By: -

Sample Received On: 23/11/2022

Analysis Start On: 23/11/2022

Completion of Analysis: 30/11/2022

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)					
1.	Colour	BDL [DL=1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	24.5	-	°C	APHA 23 rd EDITION:2017
3.	pH at 25°C	8.11	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
4.	Calcium as Ca	85.36	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
5.	Magnesium as Mg	27.56	-	mg/l	APHA 23 rd EDITION:2017
6.	Chloride as Cl	112.00	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
7.	Total Alkalinity as CaCO ₃	187.91	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Total Dissolved Solid at 180°C	365.00	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
9.	Total Hardness as CaCO ₃	298.14	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
10.	Turbidity	1.20	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
11.	Electrical Conductivity at 25°C	388.00	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
12.	Fluoride (as F)	BDL [DL=0.1]	-	mg/l	IS 3025(Part 60): 2008
13.	Sulphate (as SO ₄)	53.00	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
14.	Ammonia (as NH ₃)	BDL [DL=0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
15.	Nitrate (as NO ₃ ⁻)	1.62	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
16.	Nitrite (as NO ₂ ⁻)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
17.	Phosphate (as PO ₄)	1.93	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
18.	Dissolved Oxygen	2.01	-	mg/l	APHA 23 rd EDITION:2017
19.	Calcium Hardness	196.00	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
20.	Phenolphthalein Alkalinity	BDL [DL=5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
21.	Sodium (as Na)	92.68	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
22.	Potassium (as K)	25.36	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
23.	Chemical Oxygen Demand (COD)	20.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
24.	Biochemical Oxygen Demand (BOD)	4.25	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)
Biological Testing- 1.1.28. Water (Ground Water)					
1.	Total coliform	160	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	<2	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Absent	-	MPN/00ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 9 days & 1 month from the date of issue of test report for perishable & non-perishable items respectively.
- The above tested product so why implies that the product, process, services, management and systems or person in approval of the company's standard size (which are subject to change) and all applicable tests shall be payable by the client.
- Fees not established between the company and the client at the time the order is placed or contract is registered shall be as per the company's standard size (which are subject to change) and all applicable tests shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

[Signature]
[Signature]
 Lomate (TM Chem) & Pawar (TM Micro)
 Authorized Signatory



Authorized By

[Signature]
 Raju Ghule (LMR)
 Authorized Signatory

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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2022/12-218

Issue Date: 31/12/2022

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

Sampling Plan Reference No.: 04/12

Date & Time of Sampling: 22nd to 23rd December 2022, 10:00 AM

Codification No: RLC-12/213

ENVIRONMENTAL CONDITIONS:

Min. Temperature 22°C

Max. Temperature 28°C

Sample Received On: 24/12/2022

Analysis Start On: 24/12/2022

SAMPLE REFERENCE

Sample Type Ambient air quality monitoring

Your Reference Verbal

Reference Date -

Sample ID -

Sample Location Near Main Gate

Latitude -

Longitude -

Sample Collected By RAJAS LABORATORIES

Min. Rel. Humidity 46.0%

Max. Rel. Humidity 53.0%

Completion of Analysis: 31/12/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	18.41	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	35.26	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	91.21	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	40.52	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	10.15	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	34.66	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	1.88	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-74	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-75	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & non-perishable items respectively.
- The above tested product no way implies that the product, process, services, management and system of organization is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or charged to the client shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

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Authorized Signatory**Authorised By**Raju Ghule (LMR)
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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2022/12-219		Issue Date: 31/12/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Type	Ambient air quality monitoring
Sampling Plan Reference No.: 04/12		Your Reference	Verbal
Date & Time of Sampling: 22 nd to 23 rd December 2022, 10:30 AM		Reference Date	-
Codification No: RLC-12/214		Sample ID	-
ENVIRONMENTAL CONDITIONS:		Sample Location	Furnace Shed
Min. Temperature	24°C	Latitude	-
Max. Temperature	29°C	Longitude	-
Sample Received On: 24/12/2022	Analysis Start On: 24/12/2022	Sample Collected By	RAJAS LABORATORIES
		Min. Rel. Humidity	41.0%
		Max. Rel. Humidity	54.0%
		Completion of Analysis:	31/12/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	17.09	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	33.98	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	91.85	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	39.11	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	12.44	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	26.30	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	1.02	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-112	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-113	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & non-perishable items respectively.
- The above tested product no way implies that the product, process, services, management and system or person is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or contract is signed shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024

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Authorized Signatory**Authorised By**Raju Ghule (LMR)
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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2022/12-220

Issue Date: 31/12/2022

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Type	Ambient air quality monitoring
Sampling Plan Reference No.: 04/12		Your Reference	Verbal
Date & Time of Sampling: 22 nd to 23 rd December 2022, 10:45 AM		Reference Date	-
Codification No: RLC-12/215		Sample ID	-
ENVIRONMENTAL CONDITIONS:		Sample Location	Rolling Mill Shed
Min. Temperature	22°C	Latitude	-
Max. Temperature	27°C	Longitude	-
Sample Received On: 24/12/2022	Analysis Start On: 24/12/2022	Sample Collected By	RAJAS LABORATORIES
		Min. Rel. Humidity	45.0%
		Max. Rel. Humidity	56.0%
		Completion of Analysis:	31/12/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	22.41	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	39.32	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	89.56	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	41.88	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	10.12	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	30.27	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.72	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-90	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-91	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & non-perishable items respectively.
- The above tested product no way implies that the product, process, services, management and system as per ISO is approved by NABL.
- Fees not established between the company and the client at the time the order is placed, shall be as per the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024

Reviewed By

Kshitij Tamhane (TM Env.)
Authorized Signatory

Authorised By

Raju Ghule (LMR)
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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2022/12-221

Issue Date: 31/12/2022

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZN

Sample Type Stack Emission Monitoring

Your Reference Verbal

Reference Date -

Sample ID -

Sample Location Induction Furnace Stack - 1

Sampling Plan Reference No.: 04/12

Latitude -

Date & Time of Sampling: 22nd December 2022, 12:00 PM

Longitude -

Codification No: RLC-12/216

Sample Collected By **RAJAS LABORATORIES****STACK DETAILS:**

Stack Material MS

Stack ID 1

Fuel Consumption -

Stack Height 35 Meters

Flue Gas Temperature 97.°C

Stack Fuel -

Flue Gas Velocity 2.4 m/s

Sample Received On: 24/12/2022 Analysis Start On: 24/12/2022

Completion of Analysis: 31/12/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1,2,3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	2.35	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	48.69	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	4.05	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-80	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & nonperishable items respectively.
- The above tested product no way implies that the product, process, services, management and system or person is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed ByKshitij Tamhane (TM Env.)
Authorized Signatory**Authorised By**Raju Ghule (LMR)
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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2022/12-222

Issue Date: 31/12/2022

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

Sample Type Stack Emission Monitoring

Your Reference Verbal

Reference Date -

Sample ID -

Sample Location Induction Furnace Stack - 2

Sampling Plan Reference No.: 04/12

Latitude -

Date & Time of Sampling: 22nd December 2022, 01:30 PM

Longitude -

Codification No: RLC-12/217

Sample Collected By **RAJAS LABORATORIES****STACK DETAILS:**

Stack Material MS

Stack ID 2

Fuel Consumption -

Stack Height 35 Meters

Flue Gas Temperature 98.4°C

Stack Fuel -

Flue Gas Velocity 3.7 m/s

Sample Received On: 24/12/2022

Analysis Start On: 24/12/2022

Completion of Analysis: 31/12/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	1.89	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	51.22	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	2.74	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-80	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days @ 1 months from the date of issue of test report for perishable & nonperishable items respectively.
- The above tested product no way implies that the product, process, services, management and system or person is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2022/12-223	Issue Date: 31/12/2022		
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE		
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Stack Emission Monitoring	
	Your Reference	Verbal	
	Reference Date	-	
	Sample ID	-	
	Sample Location	Re-heating Furnace Stack	
Sampling Plan Reference No.: 04/12	Latitude	-	
Date & Time of Sampling: 22 nd December 2022, 03:00 PM	Longitude	-	
Codification No: RLC-12/218	Sample Collected By	RAJAS LABORATORIES	
STACK DETAILS:	Stack Material	MS	
Stack ID	3	Fuel Consumption	-
Stack Height	30 Meters	Flue Gas Temperature	102.4°C
Stack Fuel	-	Flue Gas Velocity	3.9 m/s
Sample Received On: 24/12/2022	Analysis Start On: 24/12/2022	Completion of Analysis:	31/12/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	1.36	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	41.55	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	2.98	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-80	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & nonperishable items respectively.
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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2022/12-224	Issue Date: 31/12/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Ambient noise level monitoring
	Codification No	RLC-12/219
	Your Reference	Verbal
	Reference Date	-
	Sample ID	-
	Sample Location	-
	Latitude	-
Longitude	-	
Sampling Plan Reference No.: 04/12		
Date & Time of Sampling: 22 nd to 23 rd December 2022, 10:35 AM		
Sample Collected By: RAJAS LABORATORIES		
Sample Received On: 24/12/2022	Analysis Start On: 24/12/2022	Completion of Analysis: 31/12/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method	
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)						
DAY						
1.	Main Gate	70.4	dB(A)	75	CPCB's Protocol for Ambient Noise Level Monitoring:2015	
2.	Admin Office	65.5				
NIGHT						
1.	Main Gate	66.3	dB(A)	70		
2.	Admin Office	57.1				

Remark (If Any): Above readings conforms to standard values as per CPCB guidelines.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-117	HTC SL-1350	Valid Up to 04/07/2023

Terms & Conditions:

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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2022/12-225	Issue Date: 31/12/2022	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Work place noise monitoring
	Codification No	RLC-12/220
	Your Reference	Verbal
	Reference Date	-
	Sample ID	-
	Latitude	-
Longitude	-	
Sampling Plan Reference No.: 04/12		
Date & Time of Sampling: 22 nd December 2022, 04:00 PM		
Sample Collected By: RAJAS LABORATORIES		
Sample Received On: 24/12/2022	Analysis Start On: 24/12/2022	Completion of Analysis: 31/12/2022

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)					
1.	Furnace Shed	71.2	dB(A)	90	RL-SOP-C-34, Ver.001, Issue Date 01 April:2022
2.	Casting Area	68.9			
3.	Raw Material Handling Unit	70.5			

Remark (If Any):

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-117	HTC SL-1350	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2022/12-226

Issue Date: 31/12/2022

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Dargaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Name	Surface Water
Sampling Method: RL-MSP-P38		Nature of Sample	Colourless Clear Liquid
Sampling Plan: 04/12		Brand Name	-
Unique Identification of the item: NA.		Batch No.	-
Codification No: RLC-12/221 & RLM-12/85		Sample Container	Plastic Container
Sample Collected By: RAJAS LABORATORIES		Sample Quantity	Chemical-5 Liters & Biological - 1 Liter
Sample Received On: 24/12/2022		Mfg. Dt./Used By	-
Analysis Start On: 24/12/2022		Date of Sampling & Time	23/12/2022, 10:00 AM
		Location of Sampling	Moti Pond
		Environmental Condition	Stored at 2-8°C
		Expiry Date	-
		Mfg. By: -	-
		Completion of Analysis:	31/12/2022

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Surface Water)					
1.	Colour	BDL [DL-1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	23.1	-	°C	APHA 23 rd EDITION:2017
3.	pH at 25°C	7.62	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
4.	Calcium as Ca	43.24	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
5.	Magnesium as Mg	17.62	-	mg/l	APHA 23 rd EDITION:2017
6.	Chloride as Cl	46.00	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
7.	Total Alkalinity as CaCO ₃	184.82	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Total Dissolved Solid at 180°C	305.00	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
9.	Total Hardness as CaCO ₃	180.00	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
10.	Turbidity	2.2	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
11.	Electrical Conductivity at 25°C	215.00	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
12.	Fluoride (as F)	BDL [DL=0.1]	-	mg/l	IS 3025(Part 60): 2008
13.	Sulphate (as SO ₄)	45.08	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
14.	Ammonia (as NH ₃)	BDL [DL=0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
15.	Nitrate (as NO ₃ ⁻)	1.20	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
16.	Nitrite (as NO ₂ ⁻)	BDL [DL-1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
17.	Phosphate (as PO ₄)	1.66	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
18.	Dissolved Oxygen	7.80	-	mg/l	APHA 23 rd EDITION:2017
19.	Calcium Hardness	106.00	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
20.	Phenolphthalein Alkalinity	BDL [DL-5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
21.	Sodium (as Na)	45.58	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
22.	Potassium (as K)	7.13	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
23.	Chemical Oxygen Demand (COD)	26.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
24.	Biochemical Oxygen Demand (BOD)	8.00	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)
Biological Testing- 1.1.28. Water (Surface Water)					
1.	Total coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	500	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Present	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2022/12-227

Issue Date: 31/12/2022

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Dargan, Jalna - 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

SAMPLE REFERENCE

Sample Name	Ground Water
Nature of Sample	Colourless Clear Liquid
Brand Name	-
Batch No.	-
Sample Container	Plastic Container
Sample Quantity	Chemical-5 Liters & Biological - 1 Liter
Mfg. Dt./Used By	-
Date of Sampling & Time	23/12/2022, 10:30 AM
Location of Sampling	Dargan Village
Environmental Condition	Stored at 2-8°C
Expiry Date	-
Mfg. By: -	-

Sampling Method: RL-MSP-P38

Sampling Plan: 04/12

Unique Identification of the item: NA.

Codification No: RLC-12/222 & RLM-12/86

Sample Collected By: RAJAS LABORATORIES

Sample Received On: 24/12/2022

Analysis Start On: 24/12/2022

Completion of Analysis: 31/12/2022

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)					
1.	Colour	BDL [DL=1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	22.0	-	°C	APHA 23 rd EDITION:2017
3.	pH at 25°C	7.09	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
4.	Calcium as Ca	40.52	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
5.	Magnesium as Mg	16.25	-	mg/l	APHA 23 rd EDITION:2017
6.	Chloride as Cl	167.89	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
7.	Total Alkalinity as CaCO ₃	187.44	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Total Dissolved Solid at 180°C	306.97	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
9.	Total Hardness as CaCO ₃	192.36	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
10.	Turbidity	BDL [DL=1]	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
11.	Electrical Conductivity at 25°C	651.48	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
12.	Fluoride (as F)	BDL [DL=0.1]	-	mg/l	IS 3025(Part 60): 2008
13.	Sulphate (as SO ₄)	42.15	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
14.	Ammonia (as NH ₃)	BDL [DL=0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
15.	Nitrate (as NO ₃ ⁻)	1.89	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
16.	Nitrite (as NO ₂ ⁻)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
17.	Phosphate (as PO ₄)	2.25	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
18.	Dissolved Oxygen	1.44	-	mg/l	APHA 23 rd EDITION:2017
19.	Calcium Hardness	125.47	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
20.	Phenolphthalein Alkalinity	BDL [DL=5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
21.	Sodium (as Na)	51.04	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
22.	Potassium (as K)	8.74	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
23.	Chemical Oxygen Demand (COD)	25.00	-	mg/l	IS 3025 (Part 58)(Reaffirmed - 2017)
24.	Biochemical Oxygen Demand (BOD)	5.00	-	mg/l	IS 3025 (Part 44)(Reaffirmed - 2019)
Biological Testing- 1.1.28. Water (Ground Water)					
1.	Total coliform	90	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	<2	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Absent	-	MPN/00ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2023/01-191	Issue Date: 30/01/2023		
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE		
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Dargaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Ambient air quality monitoring	
	Your Reference	Verbal	
	Reference Date	-	
	Sample ID	-	
Sampling Plan Reference No.: 04/01	Sample Location	Near Main Gate	
Date & Time of Sampling: 23 rd to 24 th January 2023, 09:30 AM	Latitude	-	
Codification No: RLC-01/180	Longitude	-	
ENVIRONMENTAL CONDITIONS:	Sample Collected By	RAJAS LABORATORIES	
Min. Temperature	23°C	Min. Rel. Humidity	41.0%
Max. Temperature	27°C	Max. Rel. Humidity	49.0%
Sample Received On: 25/01/2023	Analysis Start On: 25/01/2023	Completion of Analysis:	30/01/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	12.62	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	21.31	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	93.96	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	39.41	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	10.12	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	23.55	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.93	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-88	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-89	Asha Enviro	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2023/01-192

Issue Date: 30/01/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

Sampling Plan Reference No.: 04/01

Date & Time of Sampling: 23rd to 24th January 2023, 10:00 AM

Codification No: RLC-01/181

ENVIRONMENTAL CONDITIONS:

Min. Temperature 22°C

Max. Temperature 28°C

Sample Received On: 25/01/2023

Analysis Start On: 25/01/2023

Sample Type Ambient air quality monitoring

Your Reference Verbal

Reference Date -

Sample ID -

Sample Location Furnace Shed

Latitude -

Longitude -

Sample Collected By RAJAS LABORATORIES

Min. Rel. Humidity 38.0%

Max. Rel. Humidity 49.0%

Completion of Analysis: 30/01/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	8.99	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	15.58	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	85.13	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	32.10	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	9.72	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	15.44	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.63	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-74	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-75	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

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- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & nonperishable items respectively.
- The above tested product no way implies that the product, process, services, management and system or person is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or order is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2023/01-192

Issue Date: 30/01/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Type	Ambient air quality monitoring
Sampling Plan Reference No.: 04/01		Your Reference	Verbal
Date & Time of Sampling: 23 rd to 24 th January 2023, 10:15 AM		Reference Date	-
Codification No: RLC-01/182		Sample ID	-
ENVIRONMENTAL CONDITIONS:		Sample Location	Rolling Mill Shed
Min. Temperature	21°C	Latitude	-
Max. Temperature	28°C	Longitude	-
Sample Received On: 25/01/2023	Analysis Start On: 25/01/2023	Sample Collected By	RAJAS LABORATORIES
		Min. Rel. Humidity	39.0%
		Max. Rel. Humidity	48.0%
		Completion of Analysis:	30/01/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	10.10	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	16.52	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	89.36	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	33.02	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	8.77	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	17.41	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.49	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-86	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-87	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

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- MoEF & CC recognition valid till 15/01/2024.

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2023/01-193	Issue Date: 30/01/2023		
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE		
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Stack Emission Monitoring	
	Your Reference	Verbal	
	Reference Date	-	
	Sample ID	-	
	Sample Location	Induction Furnace Stack – 1	
	Latitude	-	
Sampling Plan Reference No.: 04/01	Longitude	-	
Date & Time of Sampling: 23 rd January 2023, 11:00 AM	Sample Collected By	RAJAS LABORATORIES	
Codification No: RLC-01/183	Stack Material	MS	
STACK DETAILS:	Fuel Consumption	-	
Stack ID	1	Flue Gas Temperature	97.°C
Stack Height	35 Meters	Flue Gas Velocity	2.4 m/s
Stack Fuel	-	Completion of Analysis:	30/01/2023
Sample Received On: 25/01/2023	Analysis Start On: 25/01/2023		

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	1.74	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	52.69	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	2.87	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-80	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested
- This certificate in full or in part shall not be used for advertising or legal action
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory
- The sample will be destroyed after 5 days & 1 months from the date of issue of test report for perishable & nonperishable items respectively.
- The above tested product no way implies that the product, process, services, management and system or person is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2023/01-194

Issue Date: 30/01/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZN

Sample Type	Stack Emission Monitoring
Your Reference	Verbal
Reference Date	-
Sample ID	-
Sample Location	Induction Furnace Stack – 2

Sampling Plan Reference No.: 04/01

Date & Time of Sampling: 23rd January 2023, 01:00 PM

Codification No: RLC-01/184

Latitude	-
Longitude	-
Sample Collected By	RAJAS LABORATORIES
Stack Material	MS

STACK DETAILS:

Stack ID	2
Stack Height	35 Meters
Stack Fuel	-

Fuel Consumption	-
Flue Gas Temperature	98.4°C
Flue Gas Velocity	3.7 m/s

Sample Received On: 25/01/2023

Analysis Start On: 25/01/2023

Completion of Analysis: 30/01/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	1.32	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	47.56	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	2.69	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-80	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

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- The sample will be destroyed after 5 days & 3 months from the date of issue of test report for perishable & nonperishable items respectively.
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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2023/01-195

Issue Date: 30/01/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

Sample Type

Stack Emission Monitoring

Your Reference

Verbal

Reference Date

-

Sample ID

-

Sample Location

Re-heating Furnace Stack

Sampling Plan Reference No.: 04/01

Latitude

-

Date & Time of Sampling: 23rd January 2023, 03:30 PM

Longitude

-

Codification No: RLC-01/185

Sample Collected By

RAJAS LABORATORIES

STACK DETAILS:

Stack Material

MS

Stack ID

3

Fuel Consumption

-

Stack Height

30 Meters

Flue Gas Temperature

102.4°C

Stack Fuel

-

Flue Gas Velocity

3.9 m/s

Sample Received On: 25/01/2023

Analysis Start On: 25/01/2023

Completion of Analysis: 30/01/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	2.55	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	52.07	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	4.11	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-80	Asha Enviro	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2023/01-196	Issue Date: 30/01/2023	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Ambient noise level monitoring
	Codification No	RLC-01/186
	Your Reference	Verbal
	Reference Date	-
	Sample ID	-
	Sample Location	-
	Latitude	-
Longitude	-	
Sampling Plan Reference No.: 04/01		
Date & Time of Sampling: 23 rd to 24 th January 2023, 11:00 AM		
Sample Collected By: RAJAS LABORATORIES		
Sample Received On: 25/01/2023	Analysis Start On: 25/01/2023	Completion of Analysis: 30/01/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method	
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)						
DAY						
1.	Main Gate	69.3	dB(A)	75	CPCB's Protocol for Ambient Noise Level Monitoring:2015	
2.	Admin Office	62.7				
NIGHT						
1.	Main Gate	62.5	dB(A)	70		
2.	Admin Office	58.7				

Remark (If Any): Above readings conforms to standard values as per CPCB guidelines.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-117	HTC SL-1350	Valid Up to 04/07/2023

Terms & Conditions:

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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2023/01-197

Issue Date: 30/01/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

Sample Type

Work place noise monitoring

Codification No

RLC-01/187

Your Reference

Verbal

Reference Date

-

Sample ID

-

Sampling Plan Reference No.: 04/01

Latitude

-

Date & Time of Sampling: 23rd January 2023, 04:30 PM

Longitude

-

Sample Collected By: RAJAS LABORATORIES

Sample Received On: 25/01/2023

Analysis Start On: 25/01/2023

Completion of Analysis: 30/01/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)					
1.	Furnace Shed	68.5	dB(A)	90	RL-SOP-C-34, Ver.001, Issue Date 01 April:2022
2.	Casting Area	70.4			
3.	Raw Material Handling Unit	63.7			

Remark (If Any):

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-117	HTC SL-1350	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2023/01-198

Issue Date: 30/01/2023

Name of Customer: MS. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE			
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregnon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Name	Surface Water		
Sampling Method: RL-MSP-P38		Nature of Sample	Colourless Clear Liquid		
Sampling Plan: 04/01		Brand Name	-		
Unique Identification of the item: NA.		Batch No.	-		
Codification No: RLC-01/188 & RLM-01/64		Sample Container	Plastic Container		
Sample Collected By: RAJAS LABORATORIES		Sample Quantity	Chemical-5 Liters & Biological - 1 Liter		
Sample Received On: 25/01/2023		Mfg. Dt./Used By	-		
Analysis Start On: 25/01/2023		Date of Sampling & Time	24/01/2023, 09:30 AM		
Completion of Analysis: 30/01/2023		Location of Sampling	Moti Pond		
		Environmental Condition	Stored at 2-8°C		
		Expiry Date	-		
		Mfg. By: -	-		
Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Surface Water)					
1.	Colour	BDL [DL-1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	23.2	-	°C	APHA 23 rd EDITION-2017
3.	pH at 25°C	7.35	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
4.	Calcium as Ca	43.01	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
5.	Magnesium as Mg	17.19	-	mg/l	APHA 23 rd EDITION-2017
6.	Chloride as Cl	75.01	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
7.	Total Alkalinity as CaCO ₃	155.87	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Total Dissolved Solid at 180°C	342.96	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
9.	Total Hardness as CaCO ₃	108.23	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
10.	Turbidity	1.45	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
11.	Electrical Conductivity at 25°C	528.69	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
12.	Fluoride (as F)	BDL [DL-0.1]	-	mg/l	IS 3025(Part 60): 2008
13.	Sulphate (as SO ₄)	47.22	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
14.	Ammonia (as NH ₃)	BDL [DL-0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
15.	Nitrate (as NO ₃)	1.02	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
16.	Nitrite (as NO ₂)	BDL [DL-1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
17.	Phosphate (as PO ₄)	1.54	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
18.	Dissolved Oxygen	7.80	-	mg/l	APHA 23 rd EDITION-2017
19.	Calcium Hardness	109.33	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
20.	Phenolphthalein Alkalinity	BDL [DL-5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
21.	Sodium (as Na)	36.05	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
22.	Potassium (as K)	7.93	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
23.	Chemical Oxygen Demand (COD)	23.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
24.	Biochemical Oxygen Demand (BOD)	6.00	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)
Biological Testing- 1.1.28. Water (Surface Water)					
1.	Total coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	900	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Present	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

Terms & Conditions:

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- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for petriplate & microbiological items respectively.
- The above tested product in any quantity that the product, process, services, management and systems or any other approved by NABL.
- Fees not established between the company and the client at the time the order is placed or contract is received shall be at the company's discretion (which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

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Lomate (TM Chem) & Pawar (TM Micro)
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TEST REPORT

RL-R20-01A

Issue Date: 30/01/2023

Report No.: RL/TR/2023/01-199		SAMPLE REFERENCE	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		Sample Name	Ground Water
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Dargaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Nature of Sample	Colourless Clear Liquid
Sampling Method: RL-MSP-P38		Brand Name	-
Sampling Plan: 04/01		Batch No.	-
Unique Identification of the item: NA.		Sample Container	Plastic Container
Codification No: RLC-01/189 & RLM-01/65		Sample Quantity	Chemical-5 Liters & Biological - 1 Liter
Sample Collected By: RAJAS LABORATORIES		Mfg. Dt./Used By	-
Sample Received On: 25/01/2023		Date of Sampling & Time	24/01/2023, 10:00 AM
Analysis Start On: 25/01/2023		Location of Sampling	Dargaon Village
Completion of Analysis: 30/01/2023		Environmental Condition	Stored at 2-8°C
		Expiry Date	-
		Mfg. By: -	-

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)					
1.	Colour	BDL [DL-1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	23.5	-	°C	APHA 23 rd EDITION:2017
3.	pH at 25°C	7.56	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
4.	Calcium as Ca	84.10	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
5.	Magnesium as Mg	28.31	-	mg/l	APHA 23 rd EDITION:2017
6.	Chloride as Cl	114.89	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
7.	Total Alkalinity as CaCO ₃	201.35	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Total Dissolved Solid at 180°C	496.98	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
9.	Total Hardness as CaCO ₃	224.12	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
10.	Turbidity	1.59	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
11.	Electrical Conductivity at 25°C	769.41	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
12.	Fluoride (as F)	BDL [DL-0.1]	-	mg/l	IS 3025(Part 60): 2008
13.	Sulphate (as SO ₄)	46.71	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
14.	Ammonia (as NH ₃)	BDL [DL-0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ , C
15.	Nitrate (as NO ₃ ⁻)	1.25	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
16.	Nitrite (as NO ₂ ⁻)	BDL [DL-1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
17.	Phosphate (as PO ₄)	1.06	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
18.	Dissolved Oxygen	1.50	-	mg/l	APHA 23 rd EDITION:2017
19.	Calcium Hardness	211.64	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
20.	Phenolphthalein Alkalinity	BDL [DL-5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
21.	Sodium (as Na)	21.22	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
22.	Potassium (as K)	3.78	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
23.	Chemical Oxygen Demand (COD)	15.80	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
24.	Biochemical Oxygen Demand (BOD)	3.00	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)
Biological Testing- 1.1.28. Water (Ground Water)					
1.	Total coliform	140	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	-2	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Absent	-	MPN/00ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):**Terms & Conditions:**

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- This Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & non-perishable items respectively.
- The above tested product in no way implies that the product, process, service, management and system or person is approved by Rajas Laboratories.
- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the client's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 30/01/2024.

Reviewed By

[Signature]
Lomate (TM Chem) & Pawar (TM Micro)
Authorized Signatory

**Authorized By**

[Signature]
Raju Ghule (LMR)
Authorized Signatory

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Registered Laboratory for Soil testing under Agriculture Department, Maharashtra State.



TEST REPORT

RL-R20-01B

Report No.: RL/TR/2023/02-300

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZN

Sample Type Ambient air quality monitoring

Your Reference Verbal

Reference Date -

Sample ID -

Sampling Plan Reference No.: 04/02

Sample Location Near Main Gate

Date & Time of Sampling: 21st to 22nd February 2023, 10.00 AM

Latitude -

Codification No: RLC-02/284

Longitude -

ENVIRONMENTAL CONDITIONS:

Sample Collected By RAJAS LABORATORIES

Min. Temperature 24°C

Min. Rel. Humidity 35.0%

Max. Temperature 28°C

Max. Rel. Humidity 39.0%

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	12.54	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	24.18	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	93.66	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	40.58	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	10.24	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	17.56	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	1.22	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-120	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-124	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & non-perishable items respectively.
- The above tested product no way implies that the product, process, services, management and system or person is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or similar is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Kshittij Tamhane (TM Env.)
Authorized Signatory

Authorized By

Raju Ghule (LMR)
Authorized SignatoryPage 1 Of 1
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TEST REPORT

RL-R20-01B

Issue Date: 04/03/2023

Report No.: RL/TR/2023/02-301		SAMPLE REFERENCE	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		Sample Type	Ambient air quality monitoring
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Your Reference	Verbal
Sampling Plan Reference No.: 04/02		Reference Date	-
Date & Time of Sampling: 21 st to 22 nd February 2023, 10.20 AM		Sample ID	-
Codification No: RLC-02/285		Sample Location	Near Furnace Shed
ENVIRONMENTAL CONDITIONS:		Latitude	-
Min. Temperature		24°C	Sample Collected By
Max. Temperature		30°C	RAJAS LABORATORIES
Sample Received On: 23/02/2023		Min. Rel. Humidity	31.0%
Analysis Start On: 23/02/2023		Max. Rel. Humidity	45.0%
		Completion of Analysis:	02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	13.22	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	25.47	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	92.57	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	41.20	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	10.23	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	16.38	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.88	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-90	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-91	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 months from the date of issue of test report for perishable & non-perishable items respectively.
- The above tested product no way implies that the product, process, services, management and systems are approved by NABL.
- Fees not established between the company and the client at the time the order is placed or contract is registered shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Kshiraj Tamhane (TM Env.)
Authorized Signatory

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Authorized By

Raju Ghule (LMR)
Authorized Signatory



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TEST REPORT

RL-R20-01B

Issue Date: 04/03/2023

Report No.: RL/TR/2023/02-302		SAMPLE REFERENCE	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		Sample Type	Ambient air quality monitoring
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.		Your Reference	Verbal
Mobile- 7720003290		Reference Date	-
GSTIN- 27AADCM3474C1ZN		Sample ID	-
Sampling Plan Reference No.: 04/02		Sample Location	Near Rolling Mill Shed
Date & Time of Sampling: 21 st to 22 nd February 2023, 10.45 AM		Latitude	-
Codification No: RLC-02/286		Longitude	-
ENVIRONMENTAL CONDITIONS:		Sample Collected By	RAJAS LABORATORIES
Min. Temperature	22°C	Min. Rel. Humidity	39.0%
Max. Temperature	29°C	Max. Rel. Humidity	42.0%
Sample Received On: 23/02/2023	Analysis Start On: 23/02/2023	Completion of Analysis:	02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	14.65	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	29.58	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	88.94	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	33.36	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	10.26	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	15.69	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.91	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-81	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-82	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for the respective items respectively.
- The above tested product no way implies that the product, process, services, management system or person is recognized by NABL.
- Fees not established between the company and the client at the time the order is placed. Contract is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Kshittij Tamhane (TM Env.)
Authorized Signatory

Authorised By

Raju Ghule (LMR)
Authorized SignatoryPage 1 Of 1
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TEST REPORT

RL-R20-01B

Issue Date: 04/03/2023

Report No.: RL/TR/2023/02-303		Issue Date: 04/03/2023	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Type	Ambient air quality monitoring
Sampling Plan Reference No.: 04/02		Your Reference	Verbal
Date & Time of Sampling: 21 st to 22 nd February 2023, 11.30 AM		Reference Date	-
Codification No: RLC-02/287		Sample ID	-
ENVIRONMENTAL CONDITIONS:		Sample Location	Daregaon Village
Min. Temperature	23°C	Latitude	-
Max. Temperature	30°C	Longitude	-
Sample Received On: 23/02/2023	Analysis Start On: 23/02/2023	Sample Collected By	RAJAS LABORATORIES
		Min. Rel. Humidity	35.0%
		Max. Rel. Humidity	45.0%
		Completion of Analysis:	02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	13.58	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	29.67	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	81.25	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	35.48	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	9.64	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	11.26	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.52	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-118	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-119	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for non-hazardous items respectively.
- The above tested product no way implies that the product, process, services, management and quality performance approved by NABL.
- Fees not established between the company and the client at the time the order is placed. The charges is negotiated and to be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Kshitij Tamhane (TM Env.)
Authorized Signatory

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Authorised By

Raju Ghule (LMR)
Authorized Signatory



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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2023/02-304

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

Sampling Plan Reference No.: 04/02

Date & Time of Sampling: 21st to 22nd February 2023, 12.00 PM

Codification No: RLC-02/288

ENVIRONMENTAL CONDITIONS:

Min. Temperature

23°C

Max. Temperature

29°C

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Sample Type

Ambient air quality monitoring

Your Reference

Verbal

Reference Date

-

Sample ID

-

Sample Location

Jamwadi Village

Latitude

-

Longitude

-

Sample Collected By

RAJAS LABORATORIES

Min. Rel. Humidity

32.0%

Max. Rel. Humidity

39.0%

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	10.69	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	23.66	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	89.45	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	31.25	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	11.24	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	18.98	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.56	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-114	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-115	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 months from the date of issue of test report for portable & non-portable items respectively.
- The above tested product no way implies that the product, process, services, management systems or quality is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or order is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Kshitij Tamhane (TM Env.)
Authorized Signatory

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END OF REPORT

Authorised By

Raju Ghule (LMR)
Authorized Signatory



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Registered Laboratory for Soil testing under Agriculture Department, Maharashtra State.

TEST REPORT

RL-R20-01B

Report No.: RL/TR/2023/02-305

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCMS474C1ZN		Sample Type	Ambient air quality monitoring
Sampling Plan Reference No.: 04/02		Your Reference	Verbal
Date & Time of Sampling: 21 st to 22 nd February 2023, 12.40 PM		Reference Date	-
Codification No: RLC-02/289		Sample ID	-
ENVIRONMENTAL CONDITIONS:		Sample Location	Yogeshwari Nagar
Min. Temperature	23°C	Latitude	-
Max. Temperature	29°C	Longitude	-
Sample Received On: 23/02/2023	Analysis Start On: 23/02/2023	Sample Collected By	RAJAS LABORATORIES
		Min. Rel. Humidity	34.0%
		Max. Rel. Humidity	39.0%
		Completion of Analysis:	02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	15.21	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	29.96	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	90.31	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	36.54	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	8.58	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	11.98	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.59	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-74	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-75	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

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- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
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- The above tested product no way implies that the product, process, services, management and system in place is approved by NABL.
- Fees not established between the company and the client at the time the order is placed, complete charges shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2023/02-306

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZN

Sample Type Stack Emission Monitoring

Your Reference Verbal

Reference Date -

Sample ID -

Sample Location Furnace Stack – 1

Sampling Plan Reference No.: 04/02

Latitude -

Date & Time of Sampling: 21st February 2023, 11.30 AM

Longitude -

Codification No: RLC-02/290

Sample Collected By **RAJAS LABORATORIES****STACK DETAILS:**

Stack Material MS

Stack ID 1

Fuel Consumption -

Stack Height 32 Meters

Flue Gas Temperature 92.4°C

Stack Fuel Electricity

Flue Gas Velocity 3.2 m/s

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	1.97	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	51.27	mg/Nm ³	Not to exceed 100 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	3.36	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-94	Asha Enviro	Valid Up to 04/07/2023

BDL = Below Detection Limit, DL = Detection Limit

Terms & Conditions:

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2023/02-307

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.
Mobile- 7720003290
GSTIN- 27AADC3474C1ZN

Sample Type Stack Emission Monitoring

Your Reference Verbal

Reference Date -

Sample ID -

Sample Location Furnace Stack - 2

Sampling Plan Reference No.: 04/02

Latitude -

Date & Time of Sampling: 21st February 2023, 01.15 PM

Longitude -

Codification No: RLC-02/291

Sample Collected By **RAJAS LABORATORIES****STACK DETAILS:**

Stack Material MS

Stack ID 2

Fuel Consumption -

Stack Height 32 Meters

Flue Gas Temperature 87.9°C

Stack Fuel Electricity

Flue Gas Velocity 4.0 m/s

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	1.87	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	39.65	mg/Nm ³	Not to exceed 100 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	1.92	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-94	Asha Enviro	Valid Up to 04/07/2023

BDL = Below Detection Limit, DL = Detection Limit

Terms & Conditions:

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2023/02-308

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZN

Sample Type Stack Emission Monitoring

Your Reference Verbal

Reference Date -

Sample ID -

Sample Location Reheating Stack - 3

Sampling Plan Reference No.: 04/02

Latitude -

Date & Time of Sampling: 21st February 2023, 03.05PM

Longitude -

Codification No: RLC-02/292

Sample Collected By

RAJAS LABORATORIES

STACK DETAILS:

Stack Material

MS

Stack ID

3

Fuel Consumption

-

Stack Height

32 Meters

Flue Gas Temperature

102.5°C

Stack Fuel

Electricity

Flue Gas Velocity

3.4 m/s

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	2.21	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	55.56	mg/Nm ³	Not to exceed 100 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	3.36	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-94	Asha Enviro	Valid Up to 04/07/2023

BDL = Below Detection Limit, DL = Detection Limit

Terms & Conditions:

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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2023/02-309

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Ambient noise level monitoring
	Codification No	RLC-02/293
	Your Reference	Verbal
	Reference Date	-
	Sample ID	-
	Sample Location	-
	Latitude	-
Date & Time of Sampling: 21 st to 22 nd February 2023, 11.00 AM	Longitude	-
Sampling Plan Reference No.: 04/02		
Date & Time of Sampling: 21 st to 22 nd February 2023, 11.00 AM		
Sample Collected By: RAJAS LABORATORIES		
Sample Received On: 23/02/2023	Analysis Start On: 23/02/2023	Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method	
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)						
DAY						
1.	Main Gate	70.5	dB(A)	75	CPCB's Protocol for Ambient Noise Level Monitoring:2015	
2.	Admin Office	65.1				
3.	Daregaon Village	61.5				
4.	Jamwadi Village	65.2				
5.	Yogeshwari Nagar	69.1				
NIGHT						
1.	Main Gate	62.4	dB(A)	70		
2.	Admin Office	59.2				
3.	Daregaon Village	51.7				
4.	Jamwadi Village	57.3				
5.	Yogeshwari Nagar	52.4				

Remark (If Any): Above readings conforms to standard values as per CPCB guidelines.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-77	HTC SL-1350	Valid Up to 04/07/2023

Terms & Conditions:

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- The above tested product in any way implies that the product, process, services, management and system are certified & approved by NABL.
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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2023/02-309A

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZN

Sample Type

Work place noise monitoring

Codification No

RLC-02/293A

Your Reference

Verbal

Reference Date

-

Sample ID

-

Sampling Plan Reference No.: 04/02

Latitude

-

Date & Time of Sampling: 21st February 2023, 04.00 PM

Longitude

-

Sample Collected By: RAJAS LABORATORIES

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)					
1.	Furnace Shed	70.4	dB(A)	90	RL-SOP-C-34, Ver.001, Issue Date 01 April:2022
2.	Casting Area	68.5			
3.	Raw Material Handling Unit	70.0			

Remark (If Any):

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-77	HTC SL-1350	Valid Up to 04/07/2023

Terms & Conditions:

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TEST REPORT

ULR-TC881223000000326F

RL-R20-01A

Report No.: RL/TR/2023/02-310		Issue Date: 04/03/2023			
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE			
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Name	Surface Water		
		Nature of Sample	Colourless Clear Liquid		
		Brand Name	-		
		Batch No.	-		
		Sample Container	Plastic Container		
		Sample Quantity	Chemical-5 Liters & Biological-1 Litre		
		Mfg. Dt./Used By	-		
Sampling Method: RL-MSP-P38	Date of Sampling & Time	22/02/2023, 10:00 AM			
Sampling Plan: 04/02	Location of Sampling	Kundalika River			
Unique Identification of the item: NA.	Environmental Condition	Stored at 2-8°C			
Codification No: RLC- 02/294 & RLM-02/96	Expiry Date	-			
Sample Collected By: RAJAS LABORATORIES	Mfg. By: -				
Sample Received On: 23/02/2023	Analysis Start On: 23/02/2023	Completion of Analysis: 02/03/2023			
Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Surface Water)					
1.	pH at 25°C	7.89	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
2.	Calcium as Ca	21.91	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
3.	Magnesium as Mg	10.02	-	mg/l	APHA 23 rd EDITION:2017
4.	Chloride as Cl	56.69	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
5.	Total Alkalinity as CaCO ₃	112.33	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
6.	Total Dissolved Solid at 180°C	287.56	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
7.	Total Hardness as CaCO ₃	86.63	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
8.	Turbidity	1.24	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
9.	Electrical Conductivity at 25°C	554.23	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
10.	Fluoride (as F)	BDL [DL=0.1]	-	mg/l	IS 3025(Part 60): 2008
11.	Sulphate (as SO ₄)	35.64	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
12.	Ammonia (as NH ₃)	BDL [L=0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
13.	Nitrate (as NO ₃ ⁻)	1.98	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
14.	Sodium (as Na)	41.65	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
15.	Potassium (as K)	7.21	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
Biological Testing- 1.1.28. Water (Surface Water)					
1.	Total coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Present	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

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- MoEF & CC recognition valid till 15/01/2024.

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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2023/02-310

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCEAddress of Customer:
Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZNSample Name: Surface Water
Nature of Sample: Colourless Clear Liquid
Brand Name: -
Batch No.: -
Sample Container: Plastic Container
Sample Quantity: Chemical-5 Liters
Mfg. Dt./Used By: -

Sampling Method: RL-MSP-P38

Date of Sampling & Time: 22/02/2023, 10:00 AM

Sampling Plan: 04/02

Location of Sampling: Kundalika River

Unique Identification of the item: NA.

Environmental Condition: Stored at 2-8°C

Codification No: RLC-02/294

Expiry Date: -

Sample Collected By: RAJAS LABORATORIES

Mfg. By: -

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Surface Water)					
1.	Colour	BDL [DL=1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	24.2	-	°C	APHA 23 rd EDITION:2017
3.	Nitrite (as NO ₂)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
4.	Phosphate (as PO ₄)	1.32	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
5.	Dissolved Oxygen	8.54	-	mg/l	APHA 23 rd EDITION:2017
6.	Calcium Hardness	84.63	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
7.	Phenolphthalein Alkalinity	BDL [DL=5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Chemical Oxygen Demand (COD)	21.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
9.	Biochemical Oxygen Demand (BOD)	4.00	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)

Remark (If Any):

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TEST REPORT

ULR-TC881223000000327F

RL-R20-01A

Report No.: RL/TR/2023/02-311		Issue Date: 04/03/2023			
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD			SAMPLE REFERENCE		
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN			Sample Name	Surface Water	
Sampling Method: RL-MSP-P38			Nature of Sample	Colourless Clear Liquid	
Sampling Plan: 04/02			Brand Name	-	
Unique Identification of the item: NA.			Batch No.	-	
Codification No: RLC- 02/295 & RLM-02/97			Sample Container	Plastic Container	
Sample Collected By: RAJAS LABORATORIES			Sample Quantity	Chemical-5 Liters	
Sample Received On: 23/02/2023			Mfg. Dt./Used By	-	
Analysis Start On: 23/02/2023			Date of Sampling & Time	22/02/2023, 11:00 AM	
Completion of Analysis: 02/03/2023			Location of Sampling	Ghanewadi Talav	
Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Surface Water)					
1.	pH at 25°C	7.51	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
2.	Calcium as Ca	41.41	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
3.	Magnesium as Mg	15.12	-	mg/l	APHA 23 rd EDITION:2017
4.	Chloride as Cl	63.66	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
5.	Total Alkalinity as CaCO ₃	141.25	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
6.	Total Dissolved Solid at 180°C	294.15	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
7.	Total Hardness as CaCO ₃	102.52	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
8.	Turbidity	1.12	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
9.	Electrical Conductivity at 25°C	603.63	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
10.	Fluoride (as F)	BDL [DL=0.1]	-	mg/l	IS 3025(Part 60): 2008
11.	Sulphate (as SO ₄)	56.54	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
12.	Ammonia (as NH ₃)	BDL [DL=0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
13.	Nitrate (as NO ₃ ⁻)	1.21	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
14.	Sodium (as Na)	42.28	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
15.	Potassium (as K)	5.32	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
Biological Testing- 1.1.28. Water (Surface Water)					
1.	Total coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	900	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Present	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 3 days & 1 month from the date of issue of test report for perishable & nonperishable items respectively.
- The above tested product no way implies that the product, process, services, management and system or process is approved by SARE.
- Fee not established between the company and the client at the time the order is placed or contract is negotiated shall be charged at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Lomate (TM Chem) & Pawar (TM Micro)
Authorized Signatory

Authorised By

Raju Ghule (LMR)
Authorized SignatoryPage 1 Of 1
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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2023/02-311

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

Sample Name

Surface Water

Nature of Sample

Colourless Clear Liquid

Brand Name

-

Batch No.

-

Sample Container

Plastic Container

Sample Quantity

Chemical-5 Liters

Mfg. Dt./Used By

-

Sampling Method: RL-MSP-P38

Date of Sampling & Time

22/02/2023, 11:00 AM

Sampling Plan: 04/02

Location of Sampling

Ghanewadi Talav

Unique Identification of the item: NA.

Environmental Condition

Stored at 2-8°C

Codification No: RLC- 02/295

Expiry Date

-

Sample Collected By: RAJAS LABORATORIES

Mfg. By: -

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Surface Water)					
1.	Colour	BDL [DL=1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	24.5	-	°C	APHA 23 rd EDITION:2017
3.	Nitrite (as NO ₂)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
4.	Phosphate (as PO ₄)	1.47	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
5.	Dissolved Oxygen	8.32	-	mg/l	APHA 23 rd EDITION:2017
6.	Calcium Hardness	92.21	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
7.	Phenolphthalein Alkalinity	BDL [DL=5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Chemical Oxygen Demand (COD)	18.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed – 2017)
9.	Biochemical Oxygen Demand (BOD)	3.50	-	mg/l	IS 3025 (Part 44) (Reaffirmed – 2019)

Remark (If Any):

Terms & Conditions:

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- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & non-perishable items respectively.
- The above tested product in any way implies that the product, process, services, management and system or person is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or constant as stipulated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2023.

Reviewed By

Lomate (TM Chem)
Authorized Signatory

Authorised By

Raju Ghule (LMR)
Authorized SignatoryPage 1 Of 1
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TEST REPORT

ULR-TC881223000000328F

RL-R20-01A

Report No.: RL/TR/2023/02-312		Issue Date: 04/03/2023				
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE				
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Name	Ground Water			
Sampling Method: RL-MSP-P38		Nature of Sample	Colourless Clear Liquid			
Sampling Plan: 04/02		Brand Name	-			
Unique Identification of the item: NA.		Batch No.	-			
Codification No: RLC- 02/296 & RLM-02/98		Sample Container	Plastic Container			
Sample Collected By: RAJAS LABORATORIES		Sample Quantity	Chemical-5 Liters			
Sample Received On: 23/02/2023		Mfg. Dt./Used By	-			
Analysis Start On: 23/02/2023		Date of Sampling & Time	22/02/2023, 11:30 AM			
Completion of Analysis: 02/03/2023		Location of Sampling	Daregaon Village			
Sr. No.		Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)						
1.		pH at 25°C	7.35	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
2.		Calcium as Ca	70.13	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
3.		Magnesium as Mg	27.96	-	mg/l	APHA 23 rd EDITION:2017
4.		Chloride as Cl	91.12	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
5.		Total Alkalinity as CaCO ₃	187.22	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
6.		Total Dissolved Solid at 180°C	401.69	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
7.		Total Hardness as CaCO ₃	198.63	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
8.		Turbidity	1.11	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
9.		Electrical Conductivity at 25°C	896.23	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
10.		Fluoride (as F)	BDL [DL=0.1]	-	mg/l	IS 3025(Part 60): 2008
11.		Sulphate (as SO ₄)	54.35	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
12.		Ammonia (as NH ₃)	BDL [DL=0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
13.		Nitrate (as NO ₃ ⁻)	1.14	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
14.		Sodium (as Na)	114.20	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
15.		Potassium (as K)	17.63	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
Biological Testing- 1.1.28. Water (Ground Water)						
1.		Total coliform	160	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.		Faecal coliform	<2	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.		E. coli	Absent	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & nonperishable items respectively.
- The above tested product in any quantity that the product, process, services, management and system is approved by SAHJRA.
- Fees not established between the company and the client at the time the order is placed or contract is registered shall be charged at the standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Lomate (TM Chem) & Pawar (TM Micro)
Authorized Signatory



Authorised By

Raju Ghule (LMR)
Authorized Signatory

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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2023/02-312

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.

Mobile- 7720003290

GSTIN- 27AADC3474C1ZN

Sample Name

Ground Water

Nature of Sample

Colourless Clear Liquid

Brand Name

-

Batch No.

-

Sample Container

Plastic Container

Sample Quantity

Chemical-5 Liters

Mfg. Dt./Used By

-

Sampling Method: RL-MSP-P38

Date of Sampling & Time

22/02/2023, 11:30 AM

Sampling Plan: 04/02

Location of Sampling

Daregaon Village

Unique Identification of the item: NA.

Environmental Condition

Stored at 2-8°C

Codification No: RLC- 02/296

Expiry Date

-

Sample Collected By: RAJAS LABORATORIES

Mfg. By: -

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)					
1.	Colour	BDL [DL=1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	25.3	-	°C	APHA 23 rd EDITION:2017
3.	Nitrite (as NO ₂ ⁻)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
4.	Phosphate (as PO ₄ ⁻³)	1.40	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
5.	Dissolved Oxygen	2.05	-	mg/l	APHA 23 rd EDITION:2017
6.	Calcium Hardness	154.96	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
7.	Phenolphthalein Alkalinity	BDL [DL=5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Chemical Oxygen Demand (COD)	25.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
9.	Biochemical Oxygen Demand (BOD)	7.50	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)

Remark (If Any):

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate in full or in part shall not be used for advertising or legal action.
- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for particulate & suspended solids respectively.
- The above tested product in any implies that the product, process, services, management and system is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Lomate (TM Chem)
Authorized Signatory

Authorised By

Raju Ghule (LMR)
Authorized SignatoryPage 1 Of 1
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Registered Laboratory for Soil testing under Agriculture Department, Maharashtra State.

TEST REPORT

ULR-TC88122300000329F

RL-R20-01A

Report No.: RL/TR/2023/02-313		Issue Date: 04/03/2023				
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE				
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Name	Ground Water			
Sampling Method: RL-MSP-P38		Nature of Sample	Colourless Clear Liquid			
Sampling Plan: 04/02		Brand Name	-			
Unique Identification of the item: NA.		Batch No.	-			
Codification No: RLC- 02/297 & RLM-02/99		Sample Container	Plastic Container			
Sample Collected By: RAJAS LABORATORIES		Sample Quantity	Chemical-5 Liters			
Sample Received On: 23/02/2023		Mfg. DL/Used By	-			
Analysis Start On: 23/02/2023		Date of Sampling & Time	22/02/2023, 12:15 PM			
Completion of Analysis: 02/03/2023		Location of Sampling	Jamwadi Village			
Sr. No.		Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)						
1.	pH at 25°C	8.06	-	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
2.	Calcium as Ca	25.61	-	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
3.	Magnesium as Mg	18.39	-	-	mg/l	APHA 23 rd EDITION:2017
4.	Chloride as Cl	84.84	-	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
5.	Total Alkalinity as CaCO ₃	95.00	-	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
6.	Total Dissolved Solid at 180°C	384.89	-	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
7.	Total Hardness as CaCO ₃	85.35	-	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
8.	Turbidity	BDL [DL=1.0]	-	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
9.	Electrical Conductivity at 25°C	814.22	-	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
10.	Fluoride (as F)	BDL [DL=0.1]	-	-	mg/l	IS 3025(Part 60): 2008
11.	Sulphate (as SO ₄)	42.65	-	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
12.	Ammonia (as NH ₃)	BDL [DL=0.1]	-	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
13.	Nitrate (as NO ₃)	BDL [DL=1.0]	-	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
14.	Sodium (as Na)	85.23	-	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
15.	Potassium (as K)	10.14	-	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
Biological Testing- 1.1.28. Water (Ground Water)						
1.	Total coliform	60	-	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	<2	-	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Absent	-	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

Terms & Conditions:

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- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be stored for 3 days & 1 month from the date of issue of test report for perishable & non-perishable items respectively.
- The above stated product no way implies that the product, process, services, management and system or person is registered or certified.
- Fee not established between the company and the client at the time the order is placed or contract is registered, shall be charged at the time of analysis. (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

[Signature]
Lomate (TM Chem) & Pawar (TM Micro)
Authorized Signatory



Authorised By

[Signature]
Raju Ghule (LMR)
Authorized Signatory



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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2023/02-313

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

Sample Name

Ground Water

Nature of Sample

Colourless Clear Liquid

Brand Name

-

Batch No.

-

Sample Container

Plastic Container

Sample Quantity

Chemical-5 Liters

Mfg. Dt./Used By

-

Date of Sampling & Time

22/02/2023, 12:15 PM

Location of Sampling

Jamwadi Village

Environmental Condition

Stored at 2-8°C

Expiry Date

-

Mfg. By: -

Sampling Method: RL-MSP-P38

Sampling Plan: 04/02

Unique Identification of the item: NA.

Codification No: RLC- 02/297

Sample Collected By: RAJAS LABORATORIES

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)					
1.	Colour	BDL [DL=1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	25.2	-	°C	APHA 23 rd EDITION:2017
3.	Nitrite (as NO ₂ ⁻)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
4.	Phosphate (as PO ₄)	1.05	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
5.	Dissolved Oxygen	1.36	-	mg/l	APHA 23 rd EDITION:2017
6.	Calcium Hardness	81.71	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
7.	Phenolphthalein Alkalinity	BDL [DL=5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Chemical Oxygen Demand (COD)	24.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
9.	Biochemical Oxygen Demand (BOD)	4.30	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)

Remark (If Any):

Terms & Conditions:

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- Test Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & non-perishable items respectively.
- The above tested product no way implies that the product, process, services, management and system is approved by NABL.
- There is no established between the company and the client at the time the order is placed or contract is negotiated shall be at the company's standard rate (Which is subject to changes and all applicable taxes shall be payable by the client).
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Lomate (TM Chem)
Authorized Signatory

Authorised By

Raju Ghule (LMR)
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TEST REPORT

ULR-TC881223000000330F

RL-R20-01A

Report No.: RL/TR/2023/02-314		Issue Date: 04/03/2023				
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE				
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Name	Ground Water			
Sampling Method: RL-MSP-P38		Nature of Sample	Colourless Clear Liquid			
Sampling Plan: 04/02		Brand Name	-			
Unique Identification of the item: NA.		Batch No.	-			
Codification No: RLC- 02/298 & RLM-02/100		Sample Container	Plastic Container			
Sample Collected By: RAJAS LABORATORIES		Sample Quantity	Chemical-5 Liters			
Sample Received On: 23/02/2023		Mfg. Dt./Used By	-			
Analysis Start On: 23/02/2023		Date of Sampling & Time	22/02/2023, 12:40 PM			
Completion of Analysis: 02/03/2023		Location of Sampling	Yogeshwari Nagar			
Sr. No.		Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)						
1.		pH at 25°C	7.54	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
2.		Calcium as Ca	31.63	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
3.		Magnesium as Mg	12.59	-	mg/l	APHA 23 rd EDITION:2017
4.		Chloride as Cl	61.44	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
5.		Total Alkalinity as CaCO ₃	95.96	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
6.		Total Dissolved Solid at 180°C	412.51	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
7.		Total Hardness as CaCO ₃	69.29	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
8.		Turbidity	1.35	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
9.		Electrical Conductivity at 25°C	874.54	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
10.		Fluoride (as F)	BDL [DL=0.1]	-	mg/l	IS 3025(Part 60): 2008
11.		Sulphate (as SO ₄)	42.66	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
12.		Ammonia (as NH ₃)	BDL [DL=0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
13.		Nitrate (as NO ₃ ⁻)	BDL [DL=1.0]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
14.		Sodium (as Na)	103.56	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
15.		Potassium (as K)	11.41	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
Biological Testing- 1.1.28. Water (Ground Water)						
1.		Total coliform	90	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.		Faecal coliform	<2	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.		E. coli	Absent	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

Terms & Conditions:

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- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the company's standard rate (which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Lomate (TM Chem) & Pawar (TM Micro)
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Authorised By

Raju Ghule (LMR)
Authorized Signatory

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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2023/02-314

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

SAMPLE REFERENCE

Sample Name	Ground Water
Nature of Sample	Colourless Clear Liquid
Brand Name	-
Batch No.	-
Sample Container	Plastic Container
Sample Quantity	Chemical-5 Liters
Mfg. Dt./Used By	-
Date of Sampling & Time	22/02/2023, 12:40 PM
Location of Sampling	Yogeshwari Nagar
Environmental Condition	Stored at 2-8°C
Expiry Date	-
Mfg. By: -	-

Sampling Method: RL-MSP-P38

Sampling Plan: 04/02

Unique Identification of the item: NA.

Codification No: RLC- 02/298

Sample Collected By: RAJAS LABORATORIES

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)					
1.	Colour	BDL [DL=1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	25.2	-	°C	APHA 23 rd EDITION:2017
3.	Nitrite (as NO ₂)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
4.	Phosphate (as PO ₄)	1.21	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
5.	Dissolved Oxygen	1.96	-	mg/l	APHA 23 rd EDITION:2017
6.	Calcium Hardness	71.31	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
7.	Phenolphthaleim Alkalinity	BDL [DL=5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Chemical Oxygen Demand (COD)	25.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
9.	Biochemical Oxygen Demand (BOD)	6.00	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)

Remark (If Any):

Terms & Conditions:

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- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for portable & non-portable items respectively.
- The above stated product no way implies that the product, process, services, management and systems person is approved by NABL.
- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the company's standard rate (which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

Lomate (TM Chem)
Authorized Signatory

Authorised By

Raju Ghule (LMR)
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TC- 8812



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TEST REPORT

ULR-TC881223000000169F

RL-R20-01

Report No.: RL/TR/2023/02-315	Issue Date: 04/03/2023	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Name	STP-Inlet
	Nature of Sample	Blackish turbid liquid
	Brand Name	-
	Batch No.	-
	Sample Container	Plastic container
	Sample Quantity	Chemical-5 Liters
	Mfg. Dt./Use By	-
Codification No: RLC-02/299	Expiry Date	-
Sample Collected By: Rajas Laboratories	Mfg. By: -	
Sample Received On: 23/02/2023	Analysis Start On: 23/02/2023	Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values	Analysis Method
Chemical Testing- 1.2.32. Pollution & Environment (Waste Water- Effluents/Sewage)					
1.	pH at 25°C	8.12	-	-	IS 3025 (Part 11) (Electrometric Method) RA: 2017
2.	Total Suspended Solids at 103-105°C	146.00	mg/l	-	IS 3025 (Part 17): 1984 (Reaffirmed 2017)
3.	Biochemical Oxygen Demand (BOD)	75.00	mg/l	-	IS 3025 (Part 44) (Azide Modification Method) RA: 2019
4.	Chemical Oxygen Demand (COD) 150°C	219.45	mg/l	-	IS 3025 (Part 58) (Open Reflux Method) RA: 2017
5.	Oil & Grease	12.00	mg/l	-	APHA 23 rd Edition 5520-B : (Liquid-Liquid Partition Gravimetric Method)

Remark (If Any):

Terms & Conditions:

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- Fees not established between the company and the client at the time the order is placed or contract is signed, shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.

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TEST REPORT

ULR-TC881223000000170F

RL-R20-01

Report No.: RL/TR/2023/02-316	Issue Date: 04/03/2023	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Name	STP Outlet
	Nature of Sample	Light yellow clear liquid
	Brand Name	-
	Batch No.	-
	Sample Container	Plastic Container
	Sample Quantity	5 Litres
	Mfg. Dt./Used By	-
Codification No: RLC-02/300	Expiry Date	-
Sample Collected By: Rajas Laboratories	Mfg. By: -	
Sample Received On: 23/02/2023	Analysis Start On: 23/02/2023	Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent & general CPCB guidelines	Analysis Method
Chemical Testing- 1.2.32. Pollution & Environment (Waste Water- Effluents/Sewage)					
1.	pH at 25°C	7.26	-	6.0 to 8.0	IS 3025 (Part 11) (Electrometric Method) RA: 2017
2.	Total Suspended Solids at 103-105°C	27.00	mg/l	Max. 50	IS 3025 (Part 17): 1984 (Reaffirmed 2017)
3.	Chemical Oxygen Demand (COD) 150°C	48.76	mg/l	Max. 100	IS 3025 (Part 58) (Open Reflux Method) RA: 2017
4.	Biochemical Oxygen Demand (BOD)	16.00	mg/l	Max. 30	IS 3025 (Part 44) (Azide Modification Method) RA: 2019
5.	Oil & Grease	7.00	mg/l	Max. 10	APHA 23 rd Edition 5520-B: (Liquid-Liquid Partition Gravimetric Method)

Remark (If Any): The above parameters are within MPCB & general CPCB limits.**Terms & Conditions:**

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TEST REPORT

RL-R20-01

Report No.: RL/TR/2023/02-317

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

Sample Name Soil – Daregaon Village

Nature of Sample Dark brown soil

Brand Name -

Batch No. -

Sample Container Plastic bag

Sample Quantity Chemical-1 kg

Mfg. Dt./Use By -

Expiry Date -

Codification No: RLM-02/301

Sample Collected By: Rajas Laboratories

Date:- 22/02/2023 & Time:- 11:30 AM

Mfg. By: -

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.33. Pollution & Environment (Soil/Sediments)					
1.	pH at 25°C	8.69	-	-	Soil, Plant, Water & Fertilizer Analysis by P. K. Gupta 2 nd Edition.
2.	Electrical Conductivity	158.96	-	µS/cm	
3.	Nitrogen	88.54	-	kg/ha	
4.	Phosphorous	32.01	-	kg/ha	
5.	Potassium	411.59	-	kg/ha	
6.	Organic Carbon	0.68	-	%	
7.	Iron as Fe	1.57	-	mg/kg	
8.	Manganese as Mn	5.36	-	mg/kg	
9.	Copper as Cu	0.97	-	mg/kg	
10.	Zinc as Zn	0.74	-	mg/kg	
11.	Arsenic as As	BDL [DL=0.01]	-	mg/kg	
12.	Mercury as Hg	BDL [DL=0.01]	-	mg/kg	
13.	Cadmium as Cd	BDL [DL=0.05]	-	mg/kg	

Remark (If Any):

Terms & Conditions:

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TEST REPORT

RL-R20-01

Report No.: RL/TR/2023/02-318

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZN

Sample Name Soil -Jamwadi Village

Nature of Sample Dark brown soil

Brand Name -

Batch No. -

Sample Container Plastic bag

Sample Quantity Chemical-1 kg

Mfg. Dt./Use By -

Expiry Date -

Codification No: RLM-02/302

Sample Collected By: Rajas Laboratories

Date:- 22/02/2023 & Time:- 12:45 PM

Mfg. By: -

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.33. Pollution & Environment (Soil/Sediments)					
1.	pH at 25°C	8.51	-	-	Soil, Plant, Water & Fertilizer Analysis by P. K. Gupta 2 nd Edition.
2.	Electrical Conductivity	102.58	-	µS/cm	
3.	Nitrogen	74.12	-	kg/ha	
4.	Phosphorous	39.96	-	kg/ha	
5.	Potassium	341.22	-	kg/ha	
6.	Organic Carbon	1.05	-	%	
7.	Iron as Fe	0.98	-	mg/kg	
8.	Manganese as Mn	3.33	-	mg/kg	
9.	Copper as Cu	0.98	-	mg/kg	
10.	Zinc as Zn	0.52	-	mg/kg	
11.	Arsenic as As	BDL [DL=0.01]	-	mg/kg	
12.	Mercury as Hg	BDL [DL=0.01]	-	mg/kg	
13.	Cadmium as Cd	BDL [DL=0.05]	-	mg/kg	

Remark (If Any):

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Raju Ghule (LMR)
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TEST REPORT

RL-R20-01

Report No.: RL/TR/2023/02-319

Issue Date: 04/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZN

Sample Name Soil - Yogeshwari Nagar

Nature of Sample Dark brown soil

Brand Name -

Batch No. -

Sample Container Plastic bag

Sample Quantity Chemical-1 kg

Mfg. Dt./Use By -

Expiry Date -

Codification No: RLM-02/303

Sample Collected By: Rajas Laboratories

Date:- 22/02/2023 & Time:- 01:35 PM

Mfg. By: -

Sample Received On: 23/02/2023

Analysis Start On: 23/02/2023

Completion of Analysis: 02/03/2023

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.33. Pollution & Environment (Soil/Sediments)					
1.	pH at 25°C	7.84	-	-	Soil, Plant, Water & Fertilizer Analysis by P. K. Gupta 2 nd Edition.
2.	Electrical Conductivity	402.31	-	µS/cm	
3.	Nitrogen	75.55	-	kg/ha	
4.	Phosphorous	48.55	-	kg/ha	
5.	Potassium	241.31	-	kg/ha	
6.	Organic Carbon	0.77	-	%	
7.	Iron as Fe	1.29	-	mg/kg	
8.	Manganese as Mn	8.75	-	mg/kg	
9.	Copper as Cu	2.06	-	mg/kg	
10.	Zinc as Zn	0.45	-	mg/kg	
11.	Arsenic as As	BDL [DL=0.01]	-	mg/kg	
12.	Mercury as Hg	BDL [DL=0.01]	-	mg/kg	
13.	Cadmium as Cd	BDL [DL=0.05]	-	mg/kg	

Remark (If Any):

Terms & Conditions:

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- Fees not established between the company and the client at the time the order is placed, or otherwise stipulated shall be at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.

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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2023/03-362	Issue Date: 31/03/2023
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type: Ambient air quality monitoring
Sampling Plan Reference No.: 04/03	Your Reference: Verbal
Date & Time of Sampling: 21 st to 22 nd March 2023, 09:30 AM	Reference Date: -
Codification No: RLC-03/370	Sample ID: -
ENVIRONMENTAL CONDITIONS:	Sample Location: Near Main Gate
Min. Temperature: 29°C	Latitude: -
Max. Temperature: 32°C	Longitude: -
Sample Received On: 24/03/2023	Sample Collected By: RAJAS LABORATORIES
Analysis Start On: 24/03/2023	Min. Rel. Humidity: 30.0%
Completion of Analysis: 31/03/2023	Max. Rel. Humidity: 36.0%

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	17.21	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	21.21	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	90.25	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	36.33	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	11.57	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	21.91	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.72	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-114	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-115	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

- The above results pertain only to the sample tested.
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- The above tested product no way implies that the product, process, services, management and system are certified or approved by NABL.
- Fees not established between the company and the client at the time the order is placed or confirmed is negotiated. Other charges at the company's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed ByKshitij Tamhane (TM Env.)
Authorized Signatory**Authorised By**Raju Ghule (LMR)
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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2023/03-363

Issue Date: 31/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADC3474C1ZN		Sample Type	Ambient air quality monitoring
Sampling Plan Reference No.: 04/03		Your Reference	Verbal
Date & Time of Sampling: 21 st to 22 nd March 2023, 10:00 AM		Reference Date	-
Codification No: RLC-03/371		Sample ID	-
ENVIRONMENTAL CONDITIONS:		Sample Location	Furnace Shed
Min. Temperature	25°C	Min. Rel. Humidity	30.0%
Max. Temperature	31°C	Max. Rel. Humidity	39.0%
Sample Received On: 24/03/2023	Analysis Start On: 24/03/2023	Completion of Analysis:	31/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	16.68	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	34.54	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	88.74	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	31.69	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	12.59	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	23.57	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.63	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-109	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-110	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

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- MoEF & CC recognition valid till 15/01/2024

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TEST REPORT

RL-R20-01B

Report No.: RL/TR/2023/03-364

Issue Date: 31/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Type	Ambient air quality monitoring
Sampling Plan Reference No.: 04/03		Your Reference	Verbal
Date & Time of Sampling: 21 st to 22 nd March 2023, 10:15 AM		Reference Date	-
Codification No: RLC-03/372		Sample ID	-
ENVIRONMENTAL CONDITIONS:		Sample Location	Rolling Mill Shed
Min. Temperature	27°C	Latitude	-
Max. Temperature	31°C	Longitude	-
Sample Received On: 24/03/2023	Analysis Start On: 24/03/2023	Sample Collected By	RAJAS LABORATORIES
		Min. Rel. Humidity	32.0%
		Max. Rel. Humidity	38.0%
		Completion of Analysis:	31/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per NAAQMS	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Air)					
1.	Sulfur Dioxide (SO ₂)	13.22	µg/m ³	80	IS 5182 (Part 2):2001
2.	Oxides of Nitrogen (NO _x)	28.54	µg/m ³	80	IS 5182 (Part 6):2006
3.	Particulate Matter 10 (µ) (PM 10)	82.31	µg/m ³	100	IS 5182 (Part 23):2006
4.	Particulate Matter 2.5 (µ) (PM 2.5)	33.65	µg/m ³	60	CPCB Guidelines: NAAQMS/36/2012-13
5.	Ozone (O ₃)	8.74	µg/m ³	100	IS 5182 (Part 9):1974
6.	Ammonia (NH ₃)	12.57	µg/m ³	400	CPCB Guidelines: NAAQMS/36/2012-13
7.	Benzene (C ₆ H ₆)	BDL [DL = 0.1]	µg/m ³	5	IS 5182 (Part 11):2006
8.	Benzo-a-pyrene (BaP)	BDL [DL = 0.5]	ng/m ³	1	CPCB Guidelines: NAAQMS/36/2012-13
9.	Carbon Monoxide (CO)	0.48	mg/m ³	4	IS 5182 (Part 10):1999
10.	Lead (Pb)	BDL [DL = 0.1]	µg/m ³	1	IS 5182 (Part 22):2004
11.	Arsenic (As)	BDL [DL = 2]	ng/m ³	6	CPCB Guidelines: NAAQMS/36/2012-13
12.	Nickel (Ni)	BDL [DL = 5]	ng/m ³	20	CPCB Guidelines: NAAQMS/36/2012-13

BDL = Below Detection Limit, DL = Detection Limit

Remark (If Any): With respect to above parameters, sample conforms to the standard values as per NAAQMS.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/RDS/C-112	Asha Enviro	Valid Up to 04/07/2023
02.	RL/INS/FDS/C-113	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2023/03-365

Issue Date: 31/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

Address of Customer:Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZN**SAMPLE REFERENCE**

Sample Type	Stack Emission Monitoring
Your Reference	Verbal
Reference Date	-
Sample ID	-
Sample Location	Induction Furnace Stack – 1

Sampling Plan Reference No.: 04/03

Latitude -

Date & Time of Sampling: 21st March 2023, 11:30 AM

Longitude -

Codification No: RLC-03/373

Sample Collected By: **RAJAS LABORATORIES****STACK DETAILS:**

Stack Material: MS

Stack ID: 1

Fuel Consumption: -

Stack Height: 35 Meters

Flue Gas Temperature: 101.5°C

Stack Fuel: -

Flue Gas Velocity: 2.9 m/s

Sample Received On: 24/03/2023

Analysis Start On: 24/03/2023

Completion of Analysis: 31/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	1.27	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	39.87	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	1.95	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-103	Asha Enviro	Valid Up to 04/07/2023

Terms & Conditions:

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2023/03-366

Issue Date: 31/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.
Mobile- 7720003290
GSTIN- 27AADCM3474C1ZN

Sample Type Stack Emission Monitoring

Your Reference Verbal

Reference Date -

Sample ID -

Sample Location Induction Furnace Stack – 2

Sampling Plan Reference No.: 04/03

Latitude -

Date & Time of Sampling: 21st March 2023, 12:45 PM

Longitude -

Codification No: RLC-03/374

Sample Collected By **RAJAS LABORATORIES****STACK DETAILS:**

Stack Material MS

Stack ID 2

Fuel Consumption -

Stack Height 35 Meters

Flue Gas Temperature 91.5°C

Stack Fuel -

Flue Gas Velocity 4.2 m/s

Sample Received On: 24/03/2023

Analysis Start On: 24/03/2023

Completion of Analysis: 31/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	2.19	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	50.22	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	3.65	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-103	Asha Enviro	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01C

Report No.: RL/TR/2023/03-367

Issue Date: 31/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

SAMPLE REFERENCE**Address of Customer:**

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

Sample Type

Stack Emission Monitoring

Your Reference

Verbal

Reference Date

-

Sample ID

-

Sample Location

Re-heating Furnace Stack

Sampling Plan Reference No.: 04/03

Latitude

-

Date & Time of Sampling: 21st March 2023, 03:00 PM

Longitude

-

Codification No: RLC-03/375

Sample Collected By

RAJAS LABORATORIES

STACK DETAILS:

Stack Material

MS

Stack ID

3

Fuel Consumption

-

Stack Height

30 Meters

Flue Gas Temperature

88.1°C

Stack Fuel

-

Flue Gas Velocity

3.1 m/s

Sample Received On: 24/03/2023

Analysis Start On: 24/03/2023

Completion of Analysis: 31/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per MPCB Consent	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Stack Emission)					
1.	Sulfur Dioxide (SO ₂)	1.58	ppm	Not to exceed 80 ppm	IS 11255 (Part 2) : 1985
2.	Total Particulate Matter (TPM)	43.21	mg/Nm ³	Not to exceed 150 mg/Nm ³	IS 11255 (Part 1) : 1985
3.	Oxides of Nitrogen (NO _x)	2.38	ppm	Not to exceed 80 ppm	IS 11255 (Part 7) : 2005

Remark (If Any): The above parameters are within MPCB limits.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/STK/C-103	Asha Enviro	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2023/03-368	Issue Date: 31/03/2023	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Ambient noise level monitoring
	Codification No	RLC-03/376
	Your Reference	Verbal
	Reference Date	-
	Sample ID	-
	Sample Location	-
	Latitude	-
Longitude	-	
Sampling Plan Reference No.: 04/03		
Date & Time of Sampling: 21 st to 22 nd March 2023, 11:50 AM		
Sample Collected By: RAJAS LABORATORIES		
Sample Received On: 24/03/2023	Analysis Start On: 24/03/2023	Completion of Analysis: 31/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method	
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)						
DAY						
1.	Main Gate	71.2	dB(A)	75	CPCB's Protocol for Ambient Noise Level Monitoring:2015	
2.	Admin Office	68.3				
NIGHT						
1.	Main Gate	62.5	dB(A)	70		
2.	Admin Office	61.8				

Remark (If Any): Above readings conforms to standard values as per CPCB guidelines.

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-132	HTC SL-1350	Valid Up to 04/07/2023

Terms & Conditions:

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TEST REPORT

RL-R20-01D

Report No.: RL/TR/2023/03-369	Issue Date: 31/03/2023	
Name of Customer: M/S. METAROLLS ISPAT PVT. LTD	SAMPLE REFERENCE	
Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna – 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN	Sample Type	Work place noise monitoring
	Codification No	RLC-03/377
	Your Reference	Verbal
	Reference Date	-
	Sample ID	-
Sampling Plan Reference No.: 04/03	Latitude	-
Date & Time of Sampling: 21 st March 2023, 04:15 PM	Longitude	-
Sample Collected By: RAJAS LABORATORIES		
Sample Received On: 24/03/2023	Analysis Start On: 24/03/2023	Completion of Analysis: 31/03/2023

Sr. No.	Parameters	Result	Unit	Standard Values as per general CPCB guidelines	Analysis Method
Chemical Testing- 1.2.3. Atmospheric Pollution (Ambient Noise Levels -Excluding vibration)					
1.	Furnace Shed	71.5	dB(A)	90	RL-SOP-C-34, Ver.001, Issue Date 01 April:2022
2.	Casting Area	69.2			
3.	Raw Material Handling Unit	68.6			

Remark (If Any):

Sr. No.	Instrument ID	Make	Calibration Status
01.	RL/INS/NM/C-132	HTC SL-1350	Valid Up to 04/07/2023

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TEST REPORT

RL-R20-01A

Issue Date: 31/03/2023

Report No.: RL/TR/2023/03-370	Name of Customer: M/S. METAROLLS ISPAT PVT. LTD		SAMPLE REFERENCE	
	Address of Customer: Gut No. 48, Adjacent to MIDC Phase-II, Dargan, Jalna - 431213. Mobile- 7720003290 GSTIN- 27AADCM3474C1ZN		Sample Name	Surface Water
	Sampling Method: RL-MSP-P38		Nature of Sample	Colourless Clear Liquid
	Sampling Plan: 04/03		Brand Name	-
	Unique Identification of the item: NA.		Batch No.	-
	Codification No: RLC-03/378 & RLM-03/196		Sample Container	Plastic Container
	Sample Collected By: RAJAS LABORATORIES		Sample Quantity	Chemical-5 Liters & Biological - 1 Liter
	Sample Received On: 24/03/2023		Mfg. DL/Used By	-
	Analysis Start On: 24/03/2023		Date of Sampling & Time	22/03/2023, 10:00 AM
	Completion of Analysis: 31/03/2023		Location of Sampling	Moti Pond
			Environmental Condition	Stored at 2-8°C
			Expiry Date	-
			Mfg. By: -	

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Surface Water)					
1.	Colour	BDL [DL-1]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	24.0	-	°C	APHA 23 rd EDITION:2017
3.	pH at 25°C	7.10	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
4.	Calcium as Ca	40.53	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
5.	Magnesium as Mg	13.07	-	mg/l	APHA 23 rd EDITION:2017
6.	Chloride as Cl	61.48	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
7.	Total Alkalinity as CaCO ₃	128.77	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Total Dissolved Solid at 180°C	298.50	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
9.	Total Hardness as CaCO ₃	99.41	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
10.	Turbidity	BDL [DL-1]	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
11.	Electrical Conductivity at 25°C	598.47	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
12.	Fluoride (as F)	BDL [DL=0.1]	-	mg/l	IS 3025(Part 60): 2008
13.	Sulphate (as SO ₄)	40.12	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
14.	Ammonia (as NH ₃)	BDL [DL=0.1]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
15.	Nitrate (as NO ₃ ⁻)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
16.	Nitrite (as NO ₂ ⁻)	BDL [DL=1]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
17.	Phosphate (as PO ₄)	1.84	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
18.	Dissolved Oxygen	6.21	-	mg/l	APHA 23 rd EDITION:2017
19.	Calcium Hardness	45.31	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
20.	Phenolphthalein Alkalinity	BDL [DL=5]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
21.	Sodium (as Na)	25.05	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
22.	Potassium (as K)	3.00	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
23.	Chemical Oxygen Demand (COD)	27.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
24.	Biochemical Oxygen Demand (BOD)	6.10	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)
Biological Testing- 1.1.28. Water (Surface Water)					
1.	Total coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	1600	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Present	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):**Terms & Conditions:**

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Lomate (TM Chem) & Pawar (TM Micro)
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TEST REPORT

RL-R20-01A

Report No.: RL/TR/2023/03-371

Issue Date: 31/03/2023

Name of Customer: M/S. METAROLLS ISPAT PVT. LTD

Address of Customer:

Gut No. 48, Adjacent to MIDC Phase-II, Daregaon, Jalna - 431213.

Mobile- 7720003290

GSTIN- 27AADCM3474C1ZN

SAMPLE REFERENCE

Sample Name Ground Water

Nature of Sample Colourless Clear Liquid

Brand Name -

Batch No. -

Sample Container Plastic Container

Sample Quantity Chemical-5 Liters & Biological - 1 Liter

Mfg. DL/Used By -

Sampling Method: RL-MSP-P38

Date of Sampling & Time 22/03/2023, 10:30 AM

Sampling Plan: 04/03

Location of Sampling Daregaon Village

Unique Identification of the item: NA.

Environmental Condition Stored at 2-8°C

Codification No: RLC-03/379 & RLM-03/197

Expiry Date -

Sample Collected By: RAJAS LABORATORIES

Mfg. By: -

Sample Received On: 24/03/2023

Analysis Start On: 24/03/2023

Completion of Analysis: 31/03/2023

Sr. No.	Parameters	Results	Standard Values	Unit	Analysis Method
Chemical Testing- 1.2.42. Water (Ground Water)					
1.	Colour	BDL [DL ⁻¹]	-	Hazen	IS 3025(Part 4):2021
2.	Temperature	24.5	-	°C	APHA 23 rd EDITION:2017
3.	pH at 25°C	7.11	-	-	IS 3025 (Part 11):1983 (Reaffirmed 2017)
4.	Calcium as Ca	89.43	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
5.	Magnesium as Mg	27.50	-	mg/l	APHA 23 rd EDITION:2017
6.	Chloride as Cl	106.31	-	mg/l	IS 3025 (Part 32): 1988 (Reaffirmed 2019)
7.	Total Alkalinity as CaCO ₃	191.23	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
8.	Total Dissolved Solid at 180°C	374.37	-	mg/l	IS 3025 (Part 16): 1984 (Reaffirmed 2017)
9.	Total Hardness as CaCO ₃	198.61	-	mg/l	IS 3025 (Part 21): 2009 (Reaffirmed 2019)
10.	Turbidity	1.21	-	NTU	IS 3025 (Part 10): 1984 (Reaffirmed 2017)
11.	Electrical Conductivity at 25°C	905.99	-	µS/cm	IS 3025 (Part 14):1984 (Reaffirmed 2019)
12.	Fluoride (as F)	BDL [DL ^{-0.1}]	-	mg/l	IS 3025(Part 60): 2008
13.	Sulphate (as SO ₄)	36.98	-	mg/l	IS 3025(Part 24):1986 (Reaffirmed 2009)
14.	Ammonia (as NH ₃)	BDL [DL ^{-0.1}]	-	mg/l	APHA 23 rd EDITION:2017 4500-NH ₃ C
15.	Nitrate (as NO ₃ ⁻)	BDL [DL ⁻¹]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
16.	Nitrite (as NO ₂ ⁻)	BDL [DL ⁻¹]	-	mg/l	IS 3025(Part 34):1988 (Reaffirmed 2019)
17.	Phosphate (as PO ₄)	1.21	-	mg/l	IS 3025(Part 31):1988 (Reaffirmed 2021)
18.	Dissolved Oxygen	1.23	-	mg/l	APHA 23 rd EDITION:2017
19.	Calcium Hardness	71.55	-	mg/l	IS 3025 (Part 40):1991(Reaffirmed 2019)
20.	Phenolphthaleim Alkalinity	BDL [DL ⁻⁵]	-	mg/l	IS 3025 (Part 23): 1986 (Reaffirmed -2019)
21.	Sodium (as Na)	85.35	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
22.	Potassium (as K)	9.12	-	mg/l	IS 3025 (Part 45): 1993 (Reaffirmed -2019)
23.	Chemical Oxygen Demand (COD)	26.00	-	mg/l	IS 3025 (Part 58) (Reaffirmed - 2017)
24.	Biochemical Oxygen Demand (BOD)	5.00	-	mg/l	IS 3025 (Part 44) (Reaffirmed - 2019)
Biological Testing- 1.1.28. Water (Ground Water)					
1.	Total coliform	90	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
2.	Faecal coliform	<2	-	MPN/100ml	IS 1622-1981 (Reaffirmed-2019)
3.	E. coli	Absent	-	MPN/00ml	IS 1622-1981 (Reaffirmed-2019)

Remark (If Any):

Terms & Conditions:

- The above results pertain only to the sample tested.
- This certificate is valid only for the use of advertising or legal action.
- This Report cannot be re-produced except in full, without the written permission from the Laboratory.
- The sample will be destroyed after 5 days & 1 month from the date of issue of test report for perishable & susceptible items respectively.
- The above tested product no way implies that the product, process, services, management and system or person is approved by the Laboratory.
- Fees not established between the company and the client at the time the order is placed or contract is negotiated shall be at the discretion of the Laboratory's standard rate (Which are subject to change) and all applicable taxes shall be payable by the client.
- MoEF & CC recognition valid till 15/01/2024.

Reviewed By

[Signature]
[Signature]
Lomate (TM Chem) & Pawar (TM Micro)
Authorized Signatory



Authorized By
[Signature]
Raju Ghule (LMR)
Authorized Signatory

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END OF REPORT