



REGIONAL OFFICE
C.G. ENVIRONMENT CONSERVATION BOARD
RAIPUR 492001

email - rocecbraipur2014@gmail.com

No./1537 RO/TS/CECB/2020

Raipur dated 16.10.2020

To,

✓ The Registrar
National Green Tribunal,
Principal Bench, New Delhi

Sub - Regarding joint inspection of M/s Jainam Ferro Alloys (I) Ltd., Industrial Area Urla, Raipur, in the matter of OA no. 79/2020.

Ref - Hon'ble National Green Tribunal, Principal Bench, New Delhi's order dated 09.09.2020.

Respected Sir,

With reference to the above mentioned order, joint inspection committee formed by Hon'ble NGT, consisting of (i) Representative of Central Pollution Control Board, (ii) Representative of Central Ground Water Authority of India, (iii) Representative of State Pollution Control Board/Chhattisgarh Environment Conservation Board (CECB), in the matter of OA no. 79/2020, inspection was conducted of M/s M/s Jainam Ferro Alloys (I) Ltd., Industrial Area Urla, Raipur on dated 21.09.2020.

The detailed inspection report is enclosed for justification of compliance.

Enclosed : As above.

(Dr. S.K. Upadhyay)

Regional Officer

Chhattisgarh Environment Conservation Board

No./ RO/TS/CECB/2020

Raipur dated

Copy to :-

1. Member Secretary, C.G. Environment Conservation Board, Nava Raipur Atal Nagar, for information please.
2. Smt. Parul Bhadoriya, (Board's Advocate), Chamber no. 609, UCI lawyers chambers, behind Bhopal District court, Bhopal (MP) for information and necessary action.

(Dr. S.K. Upadhyay)

Regional Officer

Chhattisgarh Environment Conservation Board

G.P. R. Y.
27/10/2020

Dy. Reg. (J)

782/DRD
27/10/2020

Gous (J)
27/10/2020

P. Panchankh
27/10/2020

1583/R4/DRD
27/10/2020

**BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI**

In the OA No. 79/2020 (CZ)
Ahsish Dewedi & Anr. Versus State of Chhattisgarh & Ors

Joint Committee Report

In OA No 79/2020 (CZ) the applicant has raised the substantial question of environment arising out of the out of the illegal operation of the industrial unit namely M/s Jainam Ferro Alloys (I) Limited in industrial area Urla Raipur. That the industrial unit is operating beyond its consented capacity, releasing fugitive emissions beyond the prescribed standards, the unit has also not established proper air pollution control system, there is lack of green belt in and around the industrial unit and the unit is withdrawing ground water without having NOC from CGWA among other violations.

In the above said matter Hon'ble NGT vide its order dated 09.09.2020 has constituted committee comprising members from Central Pollution Control Board, Central Ground Water Authority of India and Chhattisgarh Environment Conservation Board. In compliance to Hon'ble NGT order committee comprising following members has visited the site on 21.09.2020.

1. Dr. S.K. Upadhyay, Regional Officer, CECB, Raipur – Nodal Agency
2. Dr. R. P. Mishra, Scientist "D" Central Pollution Board, Bhopal - Member
3. Sh. G. Sreenath, Scientist 'B' CGWB, Raipur - Member

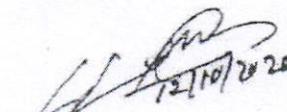
The unit was established in 1990 on initial consent issued by M.P. Pollution Control Board before constitution of the Chhattisgarh State for manufacturing of Hi Carbon Ferro Chrome (3600 MTPA), Hi carbon Ferro Silicon (2400 MTPA), Silico Manganese (4500 MTPA) and Ferro Manganese (5400 MTPA) . Since 1990 the name of the industry was changed by three times and presently operating in the name of M/s Jainam Ferro Alloys(I) Limited at plot no. 130-137, Sector – C Industrial area Urla, Raipur. The raw material used in process are Manganese Ore, Coke and Coal and at the time of inspection Manganese ore (2690 MT) , Coke and Coal (678 MT) and Ferro Slag (862 MT) was found stored.

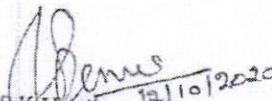
The point wise observations of the committee with respect to substantial questions raised by the applicant is as under-

Sl.No.	Issues Raised	Observation
01	Air Pollution Control System	<p>The industry has installed 02 electric operated furnaces of capacity 6.0 MVA and 7.5 MVA each. Both furnaces are covered with suction hood connected with ID Fan and Bag houses separately. Detail of the system as below-</p> <p>6.0 MVA Furnace- The furnace is used for production of Silico manganese. The furnace is attached with 325 KW ID fan with 8 chambered bag house attached to MS Stack of 30 meter height. Every chamber of bag house is fitted with 144 numbers of bags for collection of dust generated due to fugitive emission.</p> <p>7.5 MVA Furnace- The furnace is used for production of Ferro manganese. The furnace is attached with 300 KW ID fan with 6 chambered bag house attached to MS Stack of 30 meter height. Every chamber of bag house is fitted with 144 numbers of bags for collection of dust generated due to fugitive emission.</p> <p>At the time of the visit by the committee visible fugitive emission was not observed from both the furnaces giving an impression of adequate capacity of APCD with satisfactory performance. Photographs are placed at Annexure-A.</p>
02	Fugitive Emission	<p>The industry is located in the cluster and surrounded by other industries producing billets, channel, ferro Alloy using heating system hence localised impact could not be physically observed. In order to control fugitive emission the industry has provided movable water sprinklers at various locations.</p>
03	Production beyond the consented capacity	<p>The industry was found operational with valid consent issued by CECB. Unit is also using slag the by-product of Ferro manganese as raw material to manufacture silicomanganese as mean to save the space for its storage and its recycle. The unit have obtained consent to produce four types of products in same furnaces by using different type of raw material for different products. As informed by the CECB member of the committee, CECB has used its diligence to consider the quantity of product manufactured with combined consented quantity (15900 MTPA) of all products and consent was renewed in the "Scheme of Auto-Renewal of Consent". Copy of renewed consent is placed at Annexure-B.</p>
04	NOC from Central Ground Water Authority	<p>Central Ground Water Authority, Govt of India has issued NOC No. CGWA/NOC/IND/ORIG/2019/5557 through its North Central Office located at Dhamtari, Raipur for extracting 10 KLD ground water. The said NOC is valid from 12.06.2019 to 11.06.2021. Copy of the same is placed at Annexure - C. The NOC was issued in the name of M/s Jainam Infraways Pvt. Limited which has changed its name as M/s Jainam Ferro Alloys (I) Limited. The copy of certificate of incorporation pursuant to change of name (pursuant to rule 29 of the Companies incorporation rule, 2014) issued by GoI, Ministry of Corporate affairs is placed at Annexure - D. CGWA has not received any intimation regarding change in name of the firm till date of inspection. However the intimation</p>

		regarding change of the name of the firm has been received on 09-10-2020, which is under verification process as per guidelines of CGWA.
05	Ambient Air Quality Status	Chhattisgarh Environment Conservation Board is operating three ambient air quality monitoring stations in Raipur under National Ambient Air Quality Project sponsored by CPCB. Data generated is being used by CEGB for preparation of AQI and kept on public domain. Copy of AQI is placed at Annexure-E.
06	Green belt and plantation	It was observed by the committee that industry is operational in limited area of 5 acre only in which two furnaces are installed and raw material and products are also stored. The committee has verified trees planted by the industry inside and outside of the premises which may be approximately 500. It was informed by the industry representative that more than 1000 trees have also been developed in the additional land taken on lease.

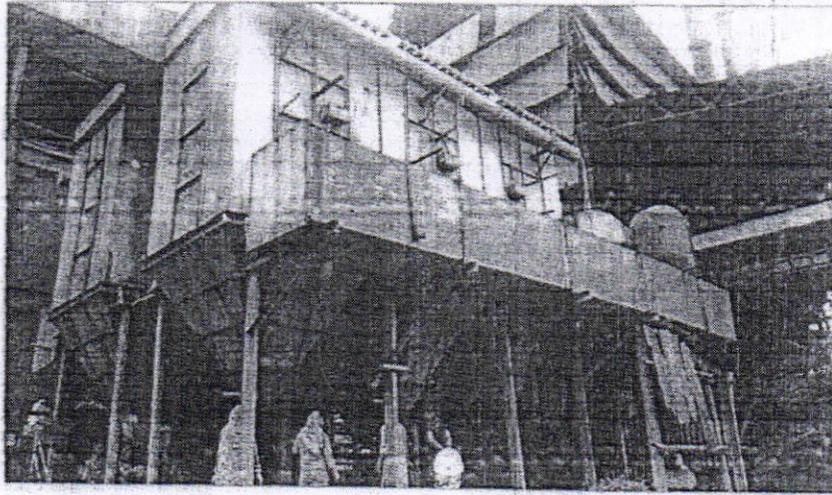
The committee has visited the site on 21.09.2020 and it was mild rain during the visit. Government of Chhattisgarh has also declared an unforeseen lockdown from 22.09.2020 to 28.09.2020 in Raipur which created a constraint in conducting monitoring activity. In view of these circumstances physical inspection of the industry was conducted and observations of the committee based on the facts appeared and documents produced have been presented as above. Industry has been instructed to submit stack and fugitive monitoring report conducted by any reputed laboratory recognised under EPA.


 (G. Sreenath)
 Scientist "B"
 Central Ground Water Board
 Raipur

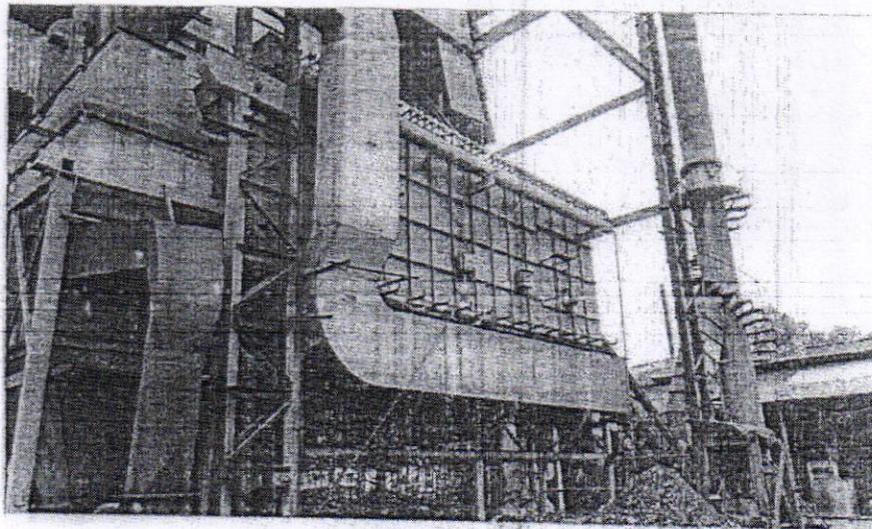

 (Dr. S. K. Padhyay)
 Regional Officer
 Chhattisgarh Environment Conservation Board
 Raipur


 (Dr. R. P. Mishra)
 Scientist "D"
 Central Pollution Control Board
 Bhopal

Photographs taken by the Joint Committee during Inspection
On 21.09.2020



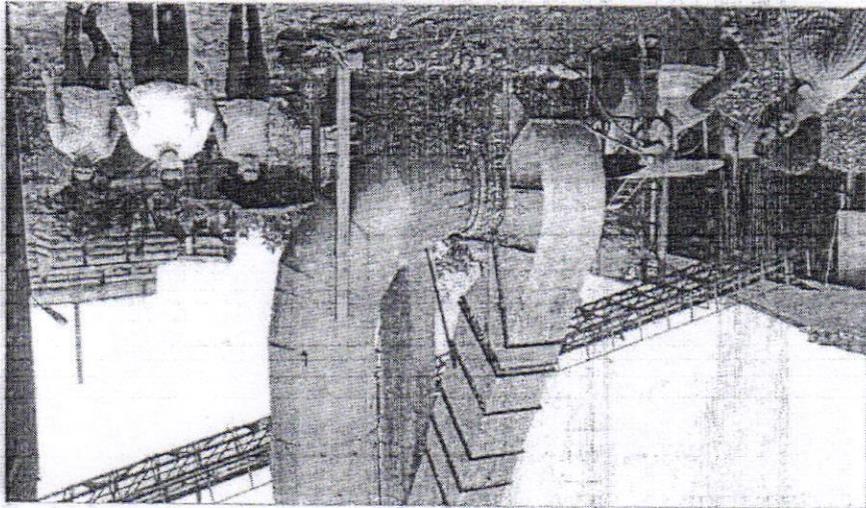
Bag Houses installed in both furnaces separately

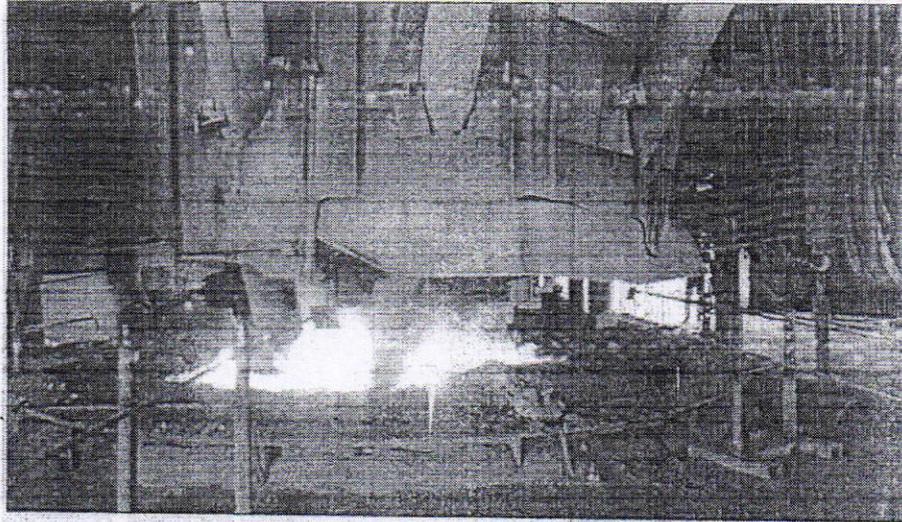




Sub Merged Electric Arc Furnace in operation

ID fan installed for suction to bag house

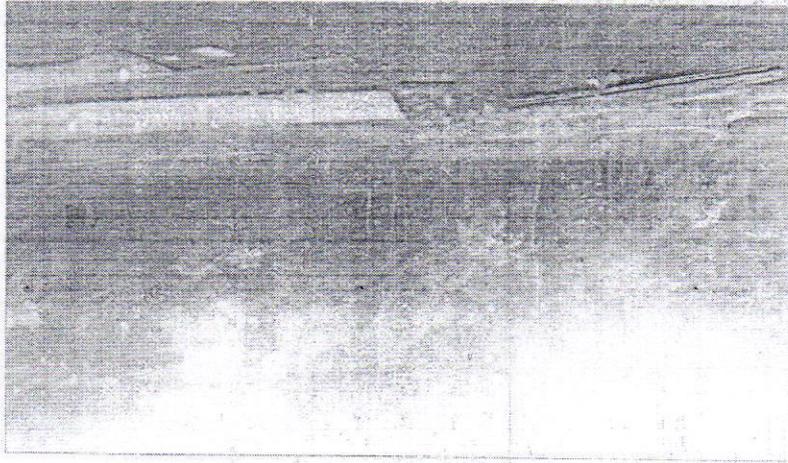




Sub Merged Electric Arc Furnace in operation

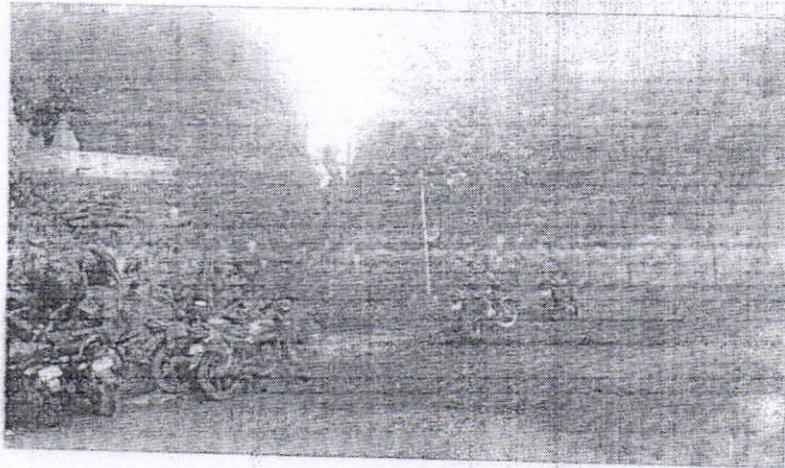
Bore well installed by the industry in Garden



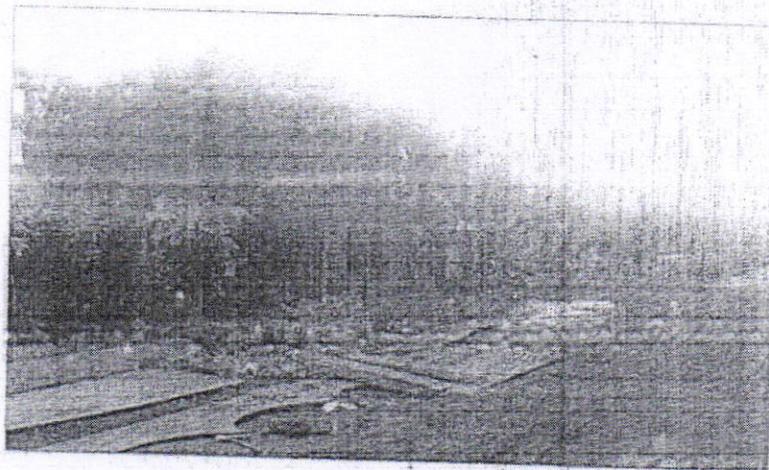


Trees planted inside the Industry Premises





Trees planted inside the Industry Premises





REGIONAL OFFICE

C.G. Environment Conservation Board

Commercial Complex, C.G. Housing Board Colony, Kabir Nagar, Raipur (C.G.)

No. 1461 /RO/TS/CECB/2019 Raipur, dated 11/07/2019

To,

M/s Jainam Ferro Alloys (I) Ltd.
Plot No. - 130-137, Sector - 'C'
Industrial Area U-1a, Raipur (C.G.)

Subj: - Renewal of consent of the Board under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

- Ref: -
1. Consent of the Board u/s 25 of the Water (Prevention & Control of Pollution) Act, 1974 vide letter no. 1421/RO/TS/PNM/1990, dated 25.06.1990.
 2. Consent of the Board u/s 21 of the Air (Prevention & Control of Pollution) Act, 1981 vide letter no. 1423/RO/TS/PNM/1990, dated 25.06.1990.
 3. Last Renewal of the Board under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 vide letter no. 2940/RO/TS/CECB/2016 dated 21.11.2016 and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 vide letter no. 2941/RO/TS/CECB/2016, dated 21.11.2016.
 4. Your On-line Auto Renewal application no. 3390420, dated 28.06.2019 and subsequent correspondence ending dated 11.07.2019.

With reference to your application consent under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 are hereby renewed for a period of five years i.e. from 01.09.2019 to 31.08.2024 subject to the fulfillment of the terms & condition incorporated in the water consent L.No. 1421/RO/TS/PNM/1990, dated 25.06.1990 and air consent L.No. 1423/RO/TS/PNM/1990, dated 25.06.1990 and subsequent renewals/amendments issued by the Board and additional conditions mentioned below:-

This Renewal of consent is valid for following product and production capacity -

Name of Product	Production Capacity
1. Hi Carbon Ferro Chrome	3,600 M.T./Year (Three Thousand Six Hundred Metric Ton Per Year)
2. Hi Carbon Ferro Silicon	2,400 M.T./Year (Two Thousand Four Hundred Metric Ton Per Year)
3. Silico Manganese	4,500 M.T./Year (Four Thousand Five Hundred Metric Ton Per Year)
4. Ferro Manganese	5,400 M.T./Year (Five Thousand Four Hundred Metric Ton Per Year)

Note: With reference to above subject the name of the unit is hereby changed from M/s Jainam Infraways Pvt. Ltd. in to the name of M/s Jainam Ferro Alloys (I) Ltd. All other conditions granted in the previously issued Water and Air Consent letters vide L.No. 1421/RO/TS/PNM/1990, dated 25.06.1990 and vide L.No. 1423/RO/TS/PNM/1990, dated 25.06.1990 respectively and subsequent renewal shall remain the same.

Additional condition:-

- A. **Water (Prevention & Control of Pollution) Act, 1974 :-**
1. The industry shall operate and maintain the pollution control facilities regularly to ensure the treated effluent quality within the prescribed standard all the time.

2. Industry shall do extensive tree plantation inside and outside the factory premises.
 3. All the solid wastes generated from the plant shall be disposed off in safe and scientific method.
 4. Good House keeping practices shall be adopted by the industry.
 5. This renewal of consent is being issued under the "Scheme Of Auto-Renewal of Consent" of the Board issued vide office order no. 5734 dated 24/02/2016 as per self certificate submitted by authorized signatory Mr. Archit Parakh, Director of M/s Jainam Ferro Alloys (I) Ltd., Plot No. - 130-137, Sector - C, Industrial Area Uda, Raipur (C.G.).
 6. Chhattisgarh Environment Conservation Board reserves the rights to revoke the Consent at any time for any violation/non-compliance.
 7. In case if the capital investment is increased by such amount that the total investment exceeds the range for which renewal fees has been paid, the industry shall have to pay the difference amount of renewal fees for the corresponding block years.
 8. In case the prescribed fee payable is amended in future, the industry shall be liable to pay the difference amount for corresponding block years.

B. Air (Prevention & Control of Pollution) Act, 1981 :-
 1. The industry shall operate and maintain the pollution control facilities regularly to ensure the Particulate Matter emission within prescribed standard all the time.
 2. The ambient air quality within the premises shall be maintained within the prescribed standards all the time.
 3. Industry shall do extensive tree plantation inside and outside the factory premises.
 4. Good House keeping practices shall be adopted by the industry.
 5. This renewal of consent is being issued under the "Scheme Of Auto-Renewal of Consent" of the Board issued vide office order no. 5734 dated 24/02/2016 as per self certificate submitted by authorized signatory Mr. Archit Parakh, Director of M/s Jainam Ferro Alloys (I) Ltd., Plot No. - 130-137, Sector - C, Industrial Area Uda, Raipur (C.G.).
 6. Chhattisgarh Environment Conservation Board reserves the rights to revoke the Consent at any time for any violation/non-compliance.
 7. In case if the capital investment is increased by such amount that the total investment exceeds the range for which renewal fees has been paid, the industry shall have to pay the difference amount of renewal fees for the corresponding block years.
 8. In case the prescribed fee payable is amended in future, the industry shall be liable to pay the difference amount for corresponding block years.

For & on behalf of C.G. Environment Conservation Board

Regional Officer
 Regional Office, C.G. Environment Conservation Board
 Raipur (C.G.)

Signature valid
 Digitally Signed by S K UPADHAYAY
 Date: 2019.07.11 20:32:02 IST

Annexure C

Regional Director
North Central Chhattisgarh Region



भारत सरकार
केंद्रीय भूमि जल प्राधिकरण
जल संसाधन, नदी विकास और गंगा संरक्षण विभाग
Government of India
Central Ground Water Authority
Ministry of Water Resources, River Development
& Ganga Rejuvenation

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	M/s Jainam Infraways Pvt Ltd		
Project Address:	Urla		
Town:	Birgaon (m)	Block:	Dharsiwa
District:	Raipur	State:	Chhattisgarh
Pin Code:			
Communication Address:	Plot No-130 To137,sector-c industrial Area Dharsiwa, Raipur, Chhattisgarh - 493221		
Address of CGWB Regional Office:	Central Ground Water Board North Central Chhattisgarh, 2nd Floor, LK Corporate And Logistic Park, Dhamtari Road, Nh-30, Dumartara Raipur, Chhattisgarh - 492015		

1. NOC No.:	CGWA/NOC/IND/ORIG/2019/5657									
2. Application No.:	21-4/774/CT/IND/2017	3. Category:	Industry							
4. Project Status:	Existing Project	5. NOC Type:	New							
6. Valid from:	12/06/2019	7. Valid up to:	11/06/2021							
8. Ground Water Abstraction Permitted:										
	Fresh Water		Saline Water							
	m ³ /day	m ³ /year	m ³ /year							
	10.00	3150.00								
	Dewatering		Total							
	m ³ /day	m ³ /year	m ³ /day							
			10.00							
			3150.00							
9. Details of ground water abstraction /Dewatering structures										
	Total Existing No.:1					Total Proposed No.:0				
	DW	DCB	BW	TW	MP	DW	DCB	BW	TW	MP
Abstraction Structure*	0	0	1	0	0	0	0	0	0	0
*DW-Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit										
10. Quantum of ground water recharge(m ³ /year):	8374.00									

(Compliance Conditions given overleaf)

(Authorised officer)
CGWA



सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies

Registrar of Companies cum Official Liquidator, 1st Floor, Ashok Pingley Bhawan Municipal Corporation, Nehru
Chowk, Bilaspur, Chattisgarh, India, 495001

Certificate of Incorporation pursuant to change of name
(Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014)

Corporate Identification Number (CIN): U27100CT2014PLC001311

I hereby certify that the name of the company has been changed from JAINAM INFRAWAYS LIMITED to JAINAM
FERRO ALLOYS (I) LIMITED with effect from the date of this certificate and that the company is limited by shares.

Company was originally incorporated with the name JAINAM INFRAWAYS PRIVATE LIMITED.

Given under my hand at Bilaspur this Twenty ninth day of August two thousand eighteen.



Rathod Kamleshkumar Gangjibhai

Registrar of Companies
RoC - Chattisgarh

Mailing Address as per record available in Registrar of Companies office:

JAINAM FERRO ALLOYS (I) LIMITED

315, 3RD FLOOR, WALLFORT OZONE, HEMU KALANI WARD, RAIPUR, Raipur, Chattisgarh,
India, 492001



Air Quality Index

STATION NAME, CODE & TYPE

Housing Board Complex, Rajpur,
Nagar, Rajpur 368 001R

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
03.12.2019	25.2	13.8	68.7					
06.12.2019	26.2	14.2	71.0					
10.12.2019	22.8	12.8	63.7					
13.12.2019	29.5	16.7	78.7					
17.12.2019	27.8	15.3	75.7					
20.12.2019	27.3	14.5	72.3					
24.12.2019	31.5	17.2	79.0					
27.12.2019	32.0	17.3	80.0					
31.12.2019	29.3	15.7	74.3					

Index	Category
401-500	SEVERE
301-400	VERY POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

SUB INDEX

Date	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb	AQI	Category
03.12.2019	31.95	17.29	68.66						68.66	SATISFACTORY
06.12.2019	32.70	17.70	71.00						71.00	SATISFACTORY
10.12.2019	28.54	16.04	63.66						63.66	SATISFACTORY
13.12.2019	36.88	20.83	78.66						78.66	SATISFACTORY
17.12.2019	34.79	19.16	75.66						75.66	SATISFACTORY
20.12.2019	34.16	18.13	72.33						72.33	SATISFACTORY
24.12.2019	39.38	21.45	79.00						79.00	SATISFACTORY
27.12.2019	40.00	21.66	80.00						80.00	SATISFACTORY
31.12.2019	36.66	19.58	74.33						74.33	SATISFACTORY

P. M. Rajpur - 6

Air Quality Index

STATION NAME, CODE & TYPE

Hoising Board Complex, Kanner
Nagar, Raipur 368 00R

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
01.11.2019	21.2	11.5	54.0					
05.11.2019	22.5	12.7	54.7					
08.11.2019	20.0	11.2	51.3					
15.11.2019	26.2	14.3	58.0					
19.11.2019	20.7	11.3	51.7					
22.11.2019	28.7	15.2	59.3					
26.11.2019	30.3	15.5	59.7					
29.11.2019	27.0	15.0	54.3					

Index	Category
401-500	SEVERE
301-400	VERY POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

Date	SUB INDEX								AQI	Category
	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb		
01.11.2019	26.15	11.38	54.00						54.00	SATISFACTORY
05.11.2019	28.13	11.83	54.66						54.66	SATISFACTORY
08.11.2019	25.00	13.95	51.33						51.33	SATISFACTORY
15.11.2019	32.70	17.91	58.00						58.00	SATISFACTORY
19.11.2019	25.83	14.16	51.66						51.66	SATISFACTORY
22.11.2019	35.83	18.95	59.33						59.33	SATISFACTORY
26.11.2019	37.91	19.38	59.66						59.66	SATISFACTORY
29.11.2019	33.75	18.75	54.33						54.33	SATISFACTORY
00-01-1900	0.00	0.00	0.00						0.00	SATISFACTORY

Air Quality Index

STATION NAME, CODE & TYPE

Housing Board Complex, Kabir Nagar, Raipur 368 "R"

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
01.10.2019	0.0	0.0	38.0					
04.10.2019	0.0	0.0	50.0					
11.10.2019	0.0	0.0	44.7					
15.10.2019	0.0	0.0	54.7					
18.10.2019	0.0	0.0	41.0					
22.10.2019	22.0	14.4	52.3					
25.10.2019	19.3	11.5	41.5					
00-01-1900	0.0	0.0						
	0.0	0.0						

Index	Category
401-500	SEVERE
301-400	VERY-POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

SUB INDEX

Date	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb	AQI	Category
01.10.2019	0.00	0.00	38.00						38.00	GOOD
04.10.2019	0.00	0.00	50.00						50.00	GOOD
11.10.2019	0.00	0.00	44.66						44.66	GOOD
15.10.2019	0.00	0.00	54.66						54.66	SATISFACTORY
18.10.2019	0.00	0.00	41.00						41.00	GOOD
22.10.2019	27.50	18.00	52.33						52.33	SATISFACTORY
25.10.2019	24.06	14.38	41.50						41.50	GOOD
00-01-1900	0.00	0.00	0.00						0.00	GOOD
00-01-1900	0.00	0.00	0.00						0.00	GOOD

Air Quality Index

STATION NAME , CODE & TYPE

Mool Worth (I) Ltd, Sarora, Raipur,
Chhatisgarh, 223 & 07

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
03.10.2019	0.0	0.0	56.3					
10.10.2019	0.0	0.0	61.3					
14.10.2019	0.0	0.0	65.7					
17.10.2019	0.0	0.0	57.3					
21.10.2019	19.8	14.0	49.0					
31.10.2019	26.0	15.5	60.7					
	0.0	0.0						
	0.0	0.0						

Index	Category
401-500	SEVERE
301-400	VERY POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

Date	SUB INDEX								AQI	Category
	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb		
03.10.2019	0.00	0.00	56.33						56.33	SATISFACTORY
10.10.2019	0.00	0.00	61.33						61.33	SATISFACTORY
14.10.2019	0.00	0.00	65.66						65.66	SATISFACTORY
17.10.2019	0.00	0.00	57.33						57.33	SATISFACTORY
21.10.2019	21.69	17.50	49.00						57.33	SATISFACTORY
31.10.2019	32.50	19.38	60.66						49.00	GOOD
00-01-1900	0.00	0.00	0.00						60.66	SATISFACTORY
00-01-1900	0.00	0.00	0.00						0.00	SATISFACTORY
00-01-1900	0.00	0.00	0.00						0.00	SATISFACTORY

Air Quality Index

STATION NAME, CODE & TYPE

Woods World (I) Ltd, Sarora, Raipur,
Chhattisgarh, 223 & 97th

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
05.09.2019	0.0	0.0	54.00					
09.09.2019	0.0	0.0	48.50					
16.09.2019	0.0	0.0	60.00					
19.09.2019	0.0	0.0	65.33					
23.09.2019	0.0	0.0	55.33					
26.09.2019	0.0	0.0	52.00					
30.09.2019	0.0	0.0	55.50					

Index	Category
401-500	SEVERE
301-400	VERY POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

SUB INDEX

Date	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb	AQI	Category
05.09.2019	0.00	0.00	54.00						54.00	SATISFACTORY
09.09.2019	0.00	0.00	48.50						48.50	GOOD
16.09.2019	0.00	0.00	60.00						60.00	SATISFACTORY
19.09.2019	0.00	0.00	65.33						65.33	SATISFACTORY
23.09.2019	0.00	0.00	55.33						55.33	SATISFACTORY
26.09.2019	0.00	0.00	52.00						52.00	SATISFACTORY
30.09.2019	0.00	0.00	55.50						55.50	SATISFACTORY
00-01-1900	0.00	0.00	0.00						0.00	GOOD

Air Quality Index

STATION NAME, CODE & TYPE

Wool Worth (I) Ltd, Sarora, Raipur,
Chhattisgarh, 223 & "1"

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
05.08.2019	0.0	0.0	61.00					
19.08.2019	0.0	0.0	52.00					
22.08.2019	0.0	0.0	50.50					
26.08.2019	0.0	0.0	49.50					
29.08.2019	0.0	0.0	60.50					
	0.0	0.0						
	0.0	0.0						
	0.0	0.0						

Index	Category
401-500	SEVERE
301-400	VERY-POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

SUB INDEX								
Date	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb
05.08.2019	0.00	0.00	61.00					
19.08.2019	0.00	0.00	52.00					
22.08.2019	0.00	0.00	50.50					
26.08.2019	0.00	0.00	49.50					
29.08.2019	0.00	0.00	60.50					
00-01-1900	0.00	0.00	0.00					
00-01-1900	0.00	0.00	0.00					
00-01-1900	0.00	0.00	0.00					
00-01-1900	0.00	0.00	0.00					

AQI	Category
61.00	SATISFACTORY
52.00	SATISFACTORY
50.50	GOOD
49.50	GOOD
60.50	SATISFACTORY
0.00	
0.00	
0.00	
0.00	

Air Quality Index

STATION NAME, CODE & TYPE

Housing Board Complex, Kabir
Nagar, Raipur 368 "R"

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
02.08.2019	0.0	0.0	46.5					
06.08.2019	0.0	0.0	44.0					
13.08.2019	0.0	0.0	37.0					
16.08.2019	0.0	0.0	51.0					
20.08.2019	0.0	0.0	50.0					
23.08.2019	0.0	0.0	49.3					
27.08.2019	0.0	0.0	41.5					
30.08.2019	0.0	0.0	42.5					
	0.0	0.0	0.0					

Index	Category
401-500	SEVERE
301-400	VERY-POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

SUB INDEX								
Date	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb
02.08.2019	0.00	0.00	46.50					
06.08.2019	0.00	0.00	44.00					
13.08.2019	0.00	0.00	37.00					
16.08.2019	0.00	0.00	51.00					
20.08.2019	0.00	0.00	50.00					
23.08.2019	0.00	0.00	49.33					
27.08.2019	0.00	0.00	41.50					
30.08.2019	0.00	0.00	42.50					
00-01-1900	0.00	0.00	0.00					

AQI

Category

16.50	GOOD
44.00	GOOD
37.00	GOOD
51.00	GOOD
50.00	GOOD
49.33	GOOD
41.50	GOOD
42.50	GOOD
0.00	

Air Quality Index

STATION NAME, CODE & TYPE

Housing Board Complex, Kabir
Nagar, Raipur 368 001

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m ³	NH3	Pb
02.07.2019	0.0	0.0	0.0					
05.07.2019	0.0	0.0	0.0					
09.07.2019	0.0	0.0	62.3					
12.07.2019	0.0	0.0	65.0					
16.07.2019	0.0	0.0	64.0					
19.07.2019	0.0	0.0	45.5					
23.07.2019	0.0	0.0	46.5					
26.07.2019	0.0	0.0	47.5					
30.07.2019	0.0	0.0	0.0					

Index	Category
401-500	SEVERE
301-400	VERY POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

SUB INDEX								
Date	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb
02.07.2019	0.00	0.00	0.00					
05.07.2019	0.00	0.00	0.00					
09.07.2019	0.00	0.00	62.33					
12.07.2019	0.00	0.00	65.00					
16.07.2019	0.00	0.00	64.00					
19.07.2019	0.00	0.00	45.50					
23.07.2019	0.00	0.00	46.50					
26.07.2019	0.00	0.00	47.50					
30.07.2019	0.00	0.00	0.00					

AQI	Category
0.00	
0.00	
62.33	SATISFACTORY
65.00	SATISFACTORY
64.00	SATISFACTORY
45.50	GOOD
46.50	GOOD
47.50	GOOD
0.00	

Air Quality Index

STATION NAME, CODE & TYPE

Auroj Worth (I) Ltd, Sarora, Raipur,
Chhatisgarh, 223 & 911

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m ³	NH3	Pb
01.07.2019	0.0	0.0	59.5					
04.07.2019	0.0	0.0	50.0					
08.07.2019	0.0	0.0	66.0					
11.07.2019	0.0	0.0	76.0					
15.07.2019	0.0	0.0	67.7					
18.07.2019	0.0	0.0	64.0					
22.07.2019	0.0	0.0	67.0					
25.07.2019	0.0	0.0	63.0					

Index	Category
401-500	SEVERE
301-400	VERY-POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

Date	NO2	SO2	SUB INDEX			O3	CO	NH3	Pb	AQI	Category
			PM10	PM2.5							
01.07.2019	0.00	0.00	59.50							59.50	SATISFACTORY
04.07.2019	0.00	0.00	50.00							50.00	GOOD
08.07.2019	0.00	0.00	66.00							66.00	SATISFACTORY
11.07.2019	0.00	0.00	76.00							76.00	SATISFACTORY
15.07.2019	0.00	0.00	67.66							67.66	SATISFACTORY
18.07.2019	0.00	0.00	64.00							64.00	SATISFACTORY
22.07.2019	0.00	0.00	67.00							67.00	SATISFACTORY
25.07.2019	0.00	0.00	63.00							63.00	SATISFACTORY
00-01-1900	0.00	0.00	0.00							0.00	SATISFACTORY

Air Quality Index

Housing Board Complex, Kalbur
Nagar, Raipur 368 00R

STATION NAME, CODE & TYPE

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
04.06.2019	0.0	0.0	71.33					
07.06.2019	0.0	0.0	71.7					
11.06.2019	0.0	0.0	56.33					
14.06.2019	0.0	0.0	55.5					
18.06.2019	0.0	0.0	51.0					
21.06.2019	0.0	0.0	68.7					
28.06.2019	0.0	0.0	59.7					

Index	Category
401-500	SEVERE
301-400	VERY-POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

Date	SUB INDEX								AQI	Category
	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb		
04.06.2019	0.00	0.00	71.33						71.33	SATISFACTORY
07.06.2019	0.00	0.00	71.66						71.66	SATISFACTORY
11.06.2019	0.00	0.00	56.33						56.33	SATISFACTORY
14.06.2019	0.00	0.00	55.50						55.50	SATISFACTORY
18.06.2019	0.00	0.00	51.00						51.00	GOOD
21.06.2019	0.00	0.00	68.66						68.66	SATISFACTORY
28.06.2019	0.00	0.00	59.66						59.66	SATISFACTORY
00-01-1900	0.00	0.00	0.00						0.00	SATISFACTORY
00-01-1900	0.00	0.00	0.00						0.00	SATISFACTORY

Air Quality Index

STATION NAME, CODE & TYPE

Wood Worth (I) Ltd, Sarona, Raipur,
Chhatisgarh, 223 & "F"

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
03.06.2019	0.0	0.0	78.0					
06.06.2019	0.0	0.0	63.0					
10.06.2019	0.0	0.0	80.3					
13.06.2019	0.0	0.0	73.3					
20.06.2019	0.0	0.0	78.7					
24.06.2019	0.0	0.0	73.0					
27.06.2019	0.0	0.0	77.0					

Index	Category
401-500	SEVERE
301-400	VERY-POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

Date	SUB INDEX								AQI	Category
	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb		
03.06.2019	0.00	0.00	78.00						78.00	SATISFACTORY
06.06.2019	0.00	0.00	63.00						63.00	SATISFACTORY
10.06.2019	0.00	0.00	80.33						80.33	SATISFACTORY
13.06.2019	0.00	0.00	73.33						73.33	SATISFACTORY
20.06.2019	0.00	0.00	78.66						78.66	SATISFACTORY
24.06.2019	0.00	0.00	73.00						73.00	SATISFACTORY
27.06.2019	0.00	0.00	77.00						77.00	SATISFACTORY
00-01-1900	0.00	0.00	0.00						0.00	SATISFACTORY
00-01-1900	0.00	0.00	0.00						0.00	SATISFACTORY

Air Quality Index

STATION NAME, CODE & TYPE

Housing Board Complex, Kadir
Nagar, Raipur 368 01R

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
03.05.2019	24.7	12.7	55.0					
07.05.2019	24.2	12.8	72.3					
10.05.2019	28.2	14.8	75.0					
14.05.2019	22.2	12.0	68.3					
17.05.2019			71.7					
21.05.2019			69.3					
24.05.2019			60.7					
28.05.2019			67.7					
31.05.2019			53.5					

Index	Category
401-500	SEVERE
301-400	VERY POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

SUB INDEX

Date	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb	AQI	Category
03.05.2019	30.83	15.81	55.00						55.00	SATISFACTORY
07.05.2019	30.20	16.04	72.33						72.33	SATISFACTORY
10.05.2019	35.20	18.54	75.00						75.00	SATISFACTORY
14.05.2019	27.70	15.00	68.33						68.33	SATISFACTORY
17.05.2019	0.00	0.00	71.66						71.66	SATISFACTORY
21.05.2019	0.00	0.00	69.33						69.33	SATISFACTORY
24.05.2019	0.00	0.00	60.66						60.66	SATISFACTORY
28.05.2019	0.00	0.00	67.66						67.66	SATISFACTORY
31.05.2019	0.00	0.00	53.50						53.50	SATISFACTORY

Air Quality Index

STATION NAME, CODE & TYPE

Wool Worth (I) Ltd, Sarona, Raipur,
Cibhattisgarh, 223 & "I"

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
01.04.2019	33.8	15.3	78.7					
04.04.2019	36.5	17.8	87.7					
08.04.2019	31.5	14.3	77.3					
11.04.2019	28.5	13.2	72.7					
15.04.2019	35.2	16.7	83.7					
18.04.2019	29.8	13.7	75.3					
22.04.2019	33.7	15.2	81.0					
25.04.2019	31.0	14.5	78.3					
29.04.2019	30.2	13.5	76.7					

Index	Category
401-500	SEVERE
301-400	VERY POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

Date	SUB INDEX								AQI	Category
	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb		
01.04.2019	42.39	19.16	78.66						78.66	SATISFACTORY
04.04.2019	45.63	22.29	87.66						87.66	SATISFACTORY
08.04.2019	39.38	17.91	77.33						77.33	SATISFACTORY
11.04.2019	35.63	16.45	72.66						72.66	SATISFACTORY
15.04.2019	43.95	20.81	83.66						83.66	SATISFACTORY
18.04.2019	37.29	17.08	75.33						75.33	SATISFACTORY
22.04.2019	42.08	18.95	81.00						81.00	SATISFACTORY
25.04.2019	38.75	18.13	78.33						78.33	SATISFACTORY
29.04.2019	37.70	16.88	76.66						76.66	SATISFACTORY

Air Quality Index

Housing Board Complex, Kahir
Nagar, Raipur 368 "R"

STATION NAME, CODE & TYPE

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m ³	NH3	Pb
01.03.2019	31.5	15.8	83.0					
05.03.2019	32.2	16.7	84.0					
08.03.2019	23.0	13.8	61.0					
12.03.2019	22.7	12.7	60.0					
15.03.2019	30.2	15.0	80.0					
19.03.2019	24.5	13.5	72.0					
22.03.2019	20.0	12.2	65.3					
26.03.2019	26.8	14.3	78.3					
29.03.2019	26.3	14.2	78.0					

Index	Category
401-500	SEVERE
301-400	VERY POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

Date	SUB INDEX								AQI	Category
	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb		
01.03.2019	39.38	19.79	83.00						83.00	SATISFACTORY
05.03.2019	40.20	20.83	84.00						84.00	SATISFACTORY
08.03.2019	28.75	17.19	61.00						61.00	SATISFACTORY
12.03.2019	28.33	15.83	60.00						60.00	SATISFACTORY
15.03.2019	37.70	18.75	80.00						80.00	SATISFACTORY
19.03.2019	30.63	16.88	72.00						72.00	SATISFACTORY
22.03.2019	25.00	15.20	65.33						65.33	SATISFACTORY
26.03.2019	33.54	17.91	78.33						78.33	SATISFACTORY
29.03.2019	32.91	17.70	78.00						78.00	SATISFACTORY

Air Quality Index

Wool Worth (I) Ltd, Sateora, Raipur,
Chhattisgarh, 223 & "P"

STATION NAME, CODE & TYPE

ENTER the datewise concentration of pollutants

Date	NO2	SO2	PM10	PM2.5	O3 (8hrs)	CO (8 hrs) mg/m3	NH3	Pb
3.01.2019	39.8	23.3	96.00					
7.01.2019	33.3	18.5	82.7					
10.01.2019	41.8	25.2	98.0					
14.01.2019	33.7	19.8	91.3					
17.01.2019	36.8	20.0	91.7					
21.01.2019	34.0	18.0	90.0					
24.01.2019	28.2	16.3	81.0					
28.01.2019	40.2	23.2	95.7					
31.01.2019	38.7	20.7	94.3					

Index	Category
401-500	SEVERE
301-400	VERY POOR
201-300	POOR
101-200	MODERATE
51-100	SATISFACTORY
0-50	GOOD

HERE IS YOUR STATION'S AIR QUALITY INDEX(AQI)

Date	SUB INDEX								AQI	Category
	NO2	SO2	PM10	PM2.5	O3	CO	NH3	Pb		
3.01.2019	49.79	29.16	96.00						96.00	SATISFACTORY
7.01.2019	41.66	23.3	82.66						82.66	SATISFACTORY
10.01.2019	52.04	31.45	98.00						98.00	SATISFACTORY
14.01.2019	42.08	24.79	91.33						91.33	SATISFACTORY
17.01.2019	46.01	25.00	91.66						91.66	SATISFACTORY
21.01.2019	42.50	22.50	90.00						90.00	SATISFACTORY
24.01.2019	35.20	20.41	81.00						81.00	SATISFACTORY
28.01.2019	49.95	28.98	95.66						95.66	SATISFACTORY
31.01.2019	48.33	25.33	94.33						94.33	SATISFACTORY