

41222

**BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
Original Application No. 200/2014**

IN THE MATTER OF;-

M. C. Mehta

... Applicant

VS

Union of India & Ors.

... Respondent(s)

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Filed Through



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Place – New Delhi
Date – 09-04-2025



**Office of the
Deputy Commissioner-Cum-District Magistrate, Ramgarh**

(Dev. Section)

Tel. : 06553-261555(o)

Email ID : dc-ramgarh@gov.in

Letter No.504...../Dev.

From,

Chandan Kumar, IAS,
Deputy Commissioner
-cum- Chairman, DGC, Ramgarh

To,

The Registrar
Hon'ble National Green Tribunal,
Copernicus Marg, New Delhi,

Ramgarh, Dated.....27/03...../2025.

Subject: Submission of compliance report in light to the directions of Hon'ble National Green Tribunal in OA No. 200/2014 M.C. Mehta vs Union of India & Ors. passed on 13.09.2024.

Ref. : Hon'ble NGT Order No. 200/2014 dated 13.09.2024

Sir,

In compliance with the order dated 13.09.2024 of the Hon'ble National Green Tribunal in OA No. 200/2014 (M.C Mehta vs Union of India & Ors.), the updated compliance report is hereby enclosed for information and necessary action.

Attachment enclosed.

Your's faithfully

Chandan
27/03/25
(Chandan Kumar)

Deputy Commissioner
-cum- Chairman, DGC, Ramgarh.

Reports on gaps mentioned as per order dated 13.09.2024 is as below:

2. District Ramgarh.

As per report shared by Nagar Parishad, Ramgarh

(Annexure I)

Sl No.	Compliance	Compliant
(i)	It has been disclosed that some wards are abutting river Damodar fully or partially but the basis of saying so is not clarified.	* There are total of 32 wards in Nagar Parishad Ramgarh in which wards no 06, 14, 16, 17, 19, 21 and 27 (07 wards) fall aside the Damodar River. * Temporary provisions like drain screening have been arranged to separate solid waste.
(ii)	For treating sewage generation fo 32.38 MLD two STPs of 40 MLD and one STP based on the Pond system have been set up. However, there is no disclosure of the actual utilization of installed facilities and their performance.	*Two STP plants one at Sugiya (Capacity 18 MLD) & 80% work completed) & another at Gobardarha (22MLD capacity & 10% work completed) is being constructed. * One Local STP plant of approx. 350 KLD at Chhatarmandu is in tender stage.

Reports in the mentioned format as per order dated 13.09.2024 is as below:

Ramgarh District (including city and town) information on river Ganga and Tributaries

A. Sewage Management			
As per report shared by Nagar Parishad, Ramgarh (Annexure I) and Cantonment Board, Ramgarh (Annexure II)			
		Nagar Parishad, Ramgarh	Cantonment Board, Ramgarh
i.	Sewage generation	17880 KLD	There is no sewage line in Ramgarh Cantt area.
ii.	Existing Sewage Treatment Capacities	STP is under construction.	There is no STP in Ramgarh Cantonment.
iii.	Quantity of sewage being treated (utilization capacity)	STP is under construction.	NA
iv.	Performance of STPs particularly for FC	STP is under construction.	NA
v.	Reasons for Underutilisation of STPs (Connectivity of Households/ laying of sewer lines)	NA	NA
vi.	Current Gap in sewage treatment	NA	NA
vii.	Time bound plan for bridging the gap and tying up with financial arrangements and not delaying Tendering and identifying executing agencies or having any other issues.	NA	NA
viii.	Where treated sewage is being discharged (to Ganga or tributaries)	Damodar River	NA

ix.	Where untreated sewage is discharged (Drains joining Ganga/Tributaries)	Damodar River joins Hooghly and Hooghly is a tributary of river Ganga.	NA
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B. Drains			
As per report shared by Nagar Parishad, Ramgarh (Annexure I) and Cantonment Board, Ramgarh (Annexure II)			
		Nagar Parishad, Ramgarh	Cantonment Board, Ramgarh
i.	Details of drains carrying sewage-sullage or industrial wastewater joining Ganga/ tributaries and the Quantity	*Damodar meets river Hooghly. *Urban Area Sewage generation is 17880 KLD.	Sahu Nala (3.00 km) Sotiya Nala (4.00 km) Drain near Gandhi Ghat
ii.	Drains joining outside city and town limits but either joining in village or nearby town	NA	Nil
iii.	Inclusion of sewage flowing in drains into total sewage generation figures and their interception and diversion to STPs	NA	There is no STP in Ramgarh Cantonment.
iv.	Preventive steps taken for not encroachment of drains	Anti Encroachment team is regularly monitoring and taking action against encroachers.	Slabs and channels are installed over the drains. Encroachment drives are conducted from time to time.

C. Septage management (Septic tanks/soak pits)			
As per report shared by Nagar Parishad, Ramgarh (Annexure I) and Cantonment Board, Ramgarh (Annexure II)			
		Nagar Parishad, Ramgarh	Cantonment Board, Ramgarh
i.	Status of Septage management with reference to FSTP/STP	NA	Cesspool Tankers are used to clean Septic Tanks.
ii.	Management of Grey Water	Once the STP commissioned properly, we will be in the position to treat grey water.	Soak pits are installed in individual households.
iii.	Utilization of treated Grey water	NA	NA
iv.	Utilization and Disposal of Sludge	NA	NA
v.	Gap in sewage management and time plan	Once the STP commissioned properly, hence there will be no or minimal gap may left.	Preparation of DPR for combined area of Nagar Parishad and Cantonment is under preparation by JUIDCO.

D. Industrial Pollution Control			
No. of industries generating trade effluents, their place of disposal and compliance.			
As per report shared by Regional Officer, Pollution Control Board			(Annexure III)
Sl. No.	No. of Industries generating trade effluents	Places of disposal	Compliance
1	M/s West Bokaro Coal Washery II, Tata Steel Ltd., At - Ghatotand, Ramgarh.	Slurry Settling Pond provided with recirculation system & functioning.	Complying
2	20 MW Captive Power Plant, M/s Tata Steel Ltd., At - Ghatotand, Ramgarh.	Ash settling pond provided with recirculation system & functioning	Complying
3	Tata Steel Ltd. M/s West Bokaro Coalery, At - Ghatotand, Ramgarh.	Mine water kept in mine pit and use in water sprinkling	Complying
4	M/s West Bokaro Coal Washery III, Tata Steel Ltd., At - Ghatotand, Ramgarh.	Slurry Settling Pond provided with recirculation system & functioning.	Complying
5	M/s Kedla Coal Washery, At - Basantpur, Kedla, Ramgarh	Slurry Settling Pond provided with recirculation system & functioning.	Complying
6	M/s Rajrappa Washery, CCL, At + P.O. - Rajrappa Project, Ramgarh	Slurry Settling Pond provided with recirculation system & functioning.	Complying
7	M/s Bhagawati Vintrade Pvt. Ltd., Bongabar, Bharechnagar, Ramgarh.	ETP installed for process effluent & after treatment used in sprinkling.	Complying
8	M/s Kunj Bihari Food Processing Pvt. Ltd., Sukrigarha, Lari, Ramgarh.	ETP installed for process effluent & after treatment used in sprinkling.	Complying
9	M/s H R Food Processing (P) Ltd. Patratu I/A, Patratu, Ramgarh.	ETP installed for process effluent & after treatment used in garding & sprinkling..	Complying
10	M/s Tapin Project, CCL At + P.O. - Tapin, Dist. - Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinkling & after treatment used in domestic purpose.	Complying
11	M/s Parej East OCP, CCL At - Parej, Dist. - Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinkling & after treatment used in domestic purpose.	Complying
12	M/s Jharkhand OCP, CCL At - Jharkhand, Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinkling & after treatment used in domestic purpose.	Complying

13	M/s Topa Colliery, CCL, At + P.O. - Topa, Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinkling & after treatment used in domestic purpose.	Complying
14	M/s Karma Open Cast Project, CCL, At + P.O - Karma, Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinkling & after treatment used in domestic purpose.	Complying
15	M/s Kedla OCP. At + P.O. - Kedla, Ramgargh	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinkling & after treatment used in domestic purpose.	Complying
16	M/s Pali Hills Breweries Pvt. Ltd. At-Industrial Area, Patratu, P.O. - Patratu, Ramgargh	ETP installed for process effluent & treated water is used in gardening.	Complying
17	M/s Bhurkunda OCP, At - Bhurkunda, Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinkling & after treatment used in domestic purpose.	Complying
18	M/s Sayal D OCP, At - Sayal, Ramgarh	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinkling & after treatment used in domestic purpose.	Complying
19	M/s Rajrappa OCP, CCL At Rajrappa, Ramgarh	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinkling & after treatment used in domestic purpose.	Complying
20	M/s Sirka OCP, CCL At - Sirka, P.O. - Argada, Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinkling & after treatment used in domestic purpose.	Complying

As per report shared by General Manager, Distt. Industry Centre, Hazaribagh (Annexure IV)						
Sl. No	Name & Address of Units	Product	Waste Product	Daily generation of Industrial Waste / Tonnes per day)	CTO by JSPCB	Remarks
1	2	3	4	5	6	7
1	M/S Globe Steel & Alloys Pvt.Ltd., Rautam Marar, Ramgarh	MS INGOT	Slag & Solid Waste	0.5	Updated	They using their waste material in their own Plant
2	M/S Alope Steel Industries Pvt.Ltd, Budhakhap, Karma, Mandu, Ramgarh	SPONGE IRON & MS BILLET	Dolochar	150 approx	Updated	They give their wastage to Bricks & Coal Plant
3	M/S Jharkhand Ispat Pvt.Ltd	SPONGE IRON & MS BILLET	Dolochar	150 approx	Updated	They give their wastage to Bricks & Coal Plant
4	M/S Jindal Steel Power Ltd., Patratu, Ramgarh	TMT BAR, MS WAIR, ROD	No. Wastage	Solid Waste-110	Updated	Industry waste does not get into the river or any other water resources
5	M/S Radha Casting Metallic Pvt.Ltd, Rauta	INGOT BILLET	Slag & Solid Waste	4	Updated	They sell it as per the requirement of the local person
6	M/S Maihar Alloys Pvt.Ltd, Rauta, Marar	INGOT BILLET	Slag & Solid Waste	3	Updated	They sell it as per the requirement of the local person
7	M/S Yash Alloys Pvt.Ltd, C.O Ambey Casting Pvt.Ltd, Kusumdih	MS INGOT	Slag & Solid Waste	4	Updated	They use their wastage in their own plant
8	M/S Inland Power Limited, Vill-Tonagatu, P.O.-Saram, Gola, Ramgarh	(i) Power Plant-1X63 MW (ii) Fly Ash Bricks-25200 Nos/day	Fly Ash	800	Updated	They use their waste material in their own Bricks Plant
9	M/S Sri Venkatesh Iron & Alloys (India) Ltd., At-Lapanga, P.O.-Bhadani Nagar, Ramgarh	SPONGE IRON-4x100 tpd	Dolochar	120 Approx	Updated	They use their waste material in their own Plant

10	M/S Brahmputra Metallics Pvt.Ltd, Gola, Ramgarh	IRON & STEEL INVOLVI NG PROCESSI NG FROM ORE/Integr ated Steel Plant	Fly Ash	230 Approx	Updated	They use their waste material in their own Bricks Plant
11	M/S Maa Chhinmastike Cement &Ispat Pvt.Ltd, Hesla, Barkakana, Ramgarh	sponge iron	Dolochar, Fly Ash	100 Approx 50 Approx	Updated	They use their waste material in their own Bricks Plant
12	M/S Bhagwati Vintrade Pvt.Ltd, Bongabar, Bharechnagar, Ramgarh	Rice Mill	No. Wastage	No. Wastage	Updated	The Discharged effluent, water has been recycled by the unit and used properly by the Industry
13	M/S Shree Nanak Ferro Alloys Pvt.Ltd, Rauta, Marar, Ramgarh	Ferro Alloys	Slag & Solid Waste	22 Approx	Updated	For Land filling & new road highways construction
14	M/S Bihar Foundry & Castings Ltd., Rauta, Marar, Ramgarh	iron ingot	dolochar Salo dust Slag	50-80 Approx 10-15 Approx 10-15 Approx	Updated	Use in local area
15	M/S Ferro Alloys (Unit of BFCL), Marar Industrial ares, Ramgarh	ferro alloys/ silico magnese	Slag	50 Approx	Updated	For Land filling & new road highways construction
16	M/S Dayal Alloy & Steel Castings U/O Dayal Steels Ltd., Chaha, Ramgarh	ms ingot & alloys- 28800mt/pa	Slag		Updated	They use in their own Plant
17	M/S Pankaj Steel, Bharech Nagar, Sandi, Ramgarh	MS ROD	Scrap	1 Approx	Updated	They sell their waste material to induction Plants
18	M/S Kunj Bihari Food Processors(P) Ltd., Sukrigarha, Lari, Dulmi, Ramgarh	RICE MILL	No. Wastage	No. Wastage	Updated	The Discharged effluent, water has been recycled by the unit and used properly by the Industry
19	M/S Ashwin Chemicals, Rauta, Marar, Ramgarh	ALUM MFG.	No. Wastage	No. Wastage	Updated	No. Waste material

20	M/S Kameshwar Alloys & Steels Pvt.Ltd, Gola, Ramgarh	STEEL PLANT	Slag	20 Approx	Updated	They use
21	M/S Mehak Ceramics, Budhakhap, Digwar, Ramgarh	CALCINATION OF REFRACTORY	Bricks	2 Approx (Monthly)	Updated	They reuse in their own Plant
22	M/S Vishal Sponge Pvt.Ltd, Borobing, Ramgarh Cantt., Ramgarh	SPONGE IRON	Dolochar	08-10 Approx	Updated	For Land filling & new road highways construction
23	M/S Ramgarh Casting Pvt.Ltd, Rauta, Marar, Ramgarh	SPONGE IRON	Slag & Solid Waste	20Kg	Updated	For Land filling & new road highways construction
24	M/S Madhura Ingot & Steel Co. Pvt.Ltd, At- Argada Road, Binjhar, P.O.- Marar, Ramgarh	MS INGOT	Dolochar		Updated	For Land filling & new road highways construction
25	M/S Calcutta Carbide Pvt.Ltd, Rauta, Marar, Ramgarh	SILICO MANGANESE & FERRO MANGANESE-8935TPA	Slag		Updated	For Land filling & new road highways construction

As per report shared by Factory Inspector, Ramgarh

(Annexure V)

Please refer the attached report in annexure V.

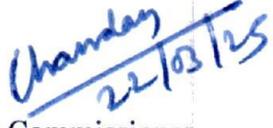
E. District wise data (including city and town) information on river Ganga and Tributaries

As per report shared by Regional Officer, Pollution Control Board (Annexure III)

i.	Water quality status of Ganga and its tributaries in the district and city/ town in terms of its fitness for Bathing water quality that is, FC and FS	Ramgarh town is situated on the bank of River Damodar. Tributaries of River Ganga. Damodar river water sample collected at Up Stream & Down Stream of Ramgarh town. The value of FC & FS found fit for Bathing. Copy of test report is attached.
ii.	Notification of Flood Plain Zones	Notification of flood plain zones is not concerned with the Jharkhand State Pollution Control Board, Ranchi.

F. Issues relating to Environmental Flow	
As per report shared by Regional Officer, Pollution Control Board	(Annexure III)
Decreased water flow in summer season.	
As per report shared by Nagar Parishad, Ramgarh	(Annexure I)
Two STPs capacity of 40 MLD is under construction and one of the 18 MLD capacity of STPs will start functioning w.e.f. Jan 2026.	


Deputy Development Commissioner
-cum-
Convenor, DGC, Ramgarh


Deputy Commissioner
-cum-
Chairman, DGC, Ramgarh

कार्यालय नगर परिषद, रामगढ़।

रामगढ़, झारखण्ड-825101

दूरभाष नं० :- 6553-295014

ई.मेल:-nagarparishadramgarh@gmail.com

वेबसाइट :- <http://udhd.jharkhand.gov.in/ULB/Ramgarh/Ramgarh.aspx>

सामान्य शाखा

पत्रांक संख्या-521/न०प०

दिनांक- 20/03/2025

प्रेषक,

प्रशासक,
नगर परिषद, रामगढ़।

सेवा में,

उप विकास आयुक्त
रामगढ़।

विषय :- माननीय NGT के वाद संख्या-200/2014 (M.C Mehta Vs Union of India Ors.) में पारित आदेश दिनांक- 13.09.2024 के अनुपालन प्रतिवेदन उपलब्ध कराने के संबंध में।

प्रसंग:- विकास शाखा का पत्रांक- 385/वि०, दिनांक- 17.03.2025

महाशय,

उपर्युक्त प्रसंगाधीन पत्र के संबंध में कहना है कि माननीय NGT के वाद संख्या संख्या-200/2014 (M.C Mehta Vs Union of India Ors.) में पारित आदेश दिनांक-13.09.2024 के पारा-11 पर झारखण्ड राज्य अन्तर्गत रामगढ़ जिला, नगर परिषद रामगढ़ से आदेशनुसार अपेक्षित सूचनाएँ बिन्दुवार अनुपालनीय सूचना प्रतिवेदन इस पत्र के साथ संलग्न कर उपलब्ध कराई जा रही है।

अनु०:-यथोक्त।

विश्वासभाजन

fameh
20/03/25

प्रशासक

नगर परिषद, रामगढ़।

Report (प्रतिवेदन)

2. District Ramgarh

<u>Sl.No.</u>	<u>Compliance</u>	<u>Compliant</u>
(i)	It has been disclosed that some wards are abutting river Damodar Fully or partially but the basis of saying so is not clarified.	<ul style="list-style-type: none"> • There are total of 32 wards in Nagar Parishad Ramgarh in which wards no 06, 14, 16, 17, 19, 21 or 27 (07 wards) fall aside the Damodar River. • Temporary provisions like drain screening have been arranged to separate solid waste.
(ii)	For treating sewage generation fo 32.38 MLD two STPs of 40 MLD and one STP based on the Pond system have been set up. However, there is no disclosure of the actual utilization of installed facilities and their performance.	<ul style="list-style-type: none"> • Two STP plants one at Sugiya (Capacity 18 MLD) & 80% work completed) & another at Gobardarha (22MLD capacity & 10% work completed) is being constructed. • One Local STP plant of approx. 350 KLD at chhatarmandu is in tender stage.

Law Assistant

Nagar Parishad Ramgarh

City Manager

Nagar Parishad Ramgarh

Executive Officer

Nagar Parishad Ramgarh

Ramgarh Nagar Parishad.

District Wise (including city and town) information on river Ganga and Tributaries

A. Sewage Management								
(i) Sewage generation	(ii) Existing Sewage Treatment Capacities	(iii) Quantity of Sewage being treated (Utilization Capacity)	(iv) Performance for of STPs particularly for FC	(v) Reasons for Underutilization of STPs (Connectivity of Households / laying of sewer lines)	(vi) Current Gap in sewage treatment	(vii) Time bound plan for bridging the gap and tying up with financial arrangements and not delaying Tendering and identifying executing agencies or having any other issues.	(viii) Where treated sewage is being discharged (to Ganga or tributaries)	(ix) Where untreated sewage is discharged (Drains joining Ganga/ tributaries)
17880 KLD.	NA	NA	NA	NA	NA	NA	Damodar River	Damodar river joins Hooghly & Hooghly is a tributary of riv. Ganga.

District Wise (including city and town) information on river Ganga and Tributaries

A. Drains			
(i) Details of drains carrying sewage	(ii) Drains joining outside city and town limits but either joining in village or nearby town.	(iii) Inclusion of sewage flowing in drains into total sewage generation figures and their interception and diversion of STPs.	(iv) Preventive steps taken for not encroachment of drains.
*Damodar meets river Hooghly. * Urban Area Sewage generation is 17880 KLD.	NA	NA	Anti Encroachment team is regularly monitoring and taking action against encroachers.

Alan
20/03/25

[Signature]
20/03/25

[Signature]
20/03/25

District Wise (including city and town) information on river Ganga and Tributaries

A. Drains			
(i) Details of drains carrying sewage	(ii) Drains joining outside city and town limits but either joining in village or nearby town.	(iii) Inclusion of sewage flowing in drains into total sewage generation figures and their interception and diversion of STPs.	(iv) Preventive steps taken for not encroachment of drains.
*Damodar meets river Hooghly. * Urban Area Sewage generation is 17880 KLD.	NA	NA	Anti Encroachment team is regularly monitoring and taking action against encroachers.

District Wise (including city and town) information on river Ganga and Tributaries

B. Septage Management (Septic tanks/soak pits)				
(i) Status of Septage management with reference to FSTP/STP	(ii) Management of Grey Water	(iii) Utilization of treated Grey water	(iv) Utilization and Disposal of Sludge	(v) Gap in sewage Management and time plan
NA	Once the STP commissioned properly, we will be in the position to treat grey water.	NA	NA	Once the STP commissioned properly, hence there will be no or minimal gap may left.

District Wise (including city and town) information on river Ganga and Tributaries

F. Issues relating to Environment Flow
Two STPs capacity of 40 MLD is under construction and one of the 18 MLD capacity of STPs will start functioning w.e.f. Jan 2026.

[Signature]
20/03/25

[Signature]
20/03/25

[Signature]
20/02/25



भारत सरकार, रक्षा मंत्रालय
छावनी परिषद, रामगढ़

रामगढ़, झारखण्ड - 829122

दूरभाष सं० : 06553 - 222228 | ई मेल : cantt.boardramgarh@gmail.com

वेबसाइट : www.cbramgarh.in

पत्रांक: B/VIII/Gen/2025

दिनांक : 19/3/2025

सेवा में,

उप विकास आयुक्त,
रामगढ़।

विषय:- माननीय NGT के वाद संख्या-200/2014 (M.C Mehta Vs Union of India &Ors) में पारित आदेश दिनांक 13.09.2024 के अनुपालन प्रतिवेदन उपलब्ध कराने के संबंध में।

संदर्भ:- उपायुक्त -सह- जिला दण्डाधिकारी का कार्यालय, रामगढ़ (विकास शाखा) का पत्रांक 385/वि० दिनांक 17.03.2025.

महोदय,

उपरोक्त संदर्भित विषयक आपेक्षित सूचनाएँ बिन्दुवार विहित प्रपत्र में भरकर आपके अवलोकनार्थ भेजी जा रही है।

आवश्यक कार्यार्थ एवं सूचनार्थ समर्पित।

भवदीय,

mj

(अनंत आकाश)

भा०र०सं०से०,

मुख्य अधिशासी अधिकारी
छावनी परिषद, रामगढ़।

संलग्न:- यथोक्त।



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District Wise (including city and town) Information on river Ganga and Tributaries

A. Sewage Management								
(1) Sewage generation	(ii) Existing Sewage Treatment Capacities	(iii) Quantity of sewage being treated (utilization capacity)	(iv) Performance of STPs particularly for FC	(v) Reasons for Underutilisation of STPs (Connectivity of Households/Jayin g of sewer lines)	(vi) Current Gap in sewage treatment	(vii) Time bound plan for bridging the gap and tying up with financial arrangements and delaying not Tendering and identifying executing agencies or having any other issues	(viii) Where treated sewage is being discharged (to Ganga or tributaries)	(ix) When untreated sewage discharged (Drains joining Ganga/Tributaries)
There is no sewage line in Ramgarh Cantt area	There is no STP in Ramgarh Cantonment	NA	NA	NA	NA	NA	NA	NA

District Wise (including city and town) Information on river Ganga and Tributaries

B. Drains			
(i) Details of drains carrying sewage- surlage or industrial waste water joining Ganga/ tributaries and the Quantity	(ii) Drains joining outside city and town limits but either joining in village or nearby town	(iii) Inclusion of sewage flowing in drains into total sewage generation figures and their interception diversion to STPs	(iv) Preventive steps taken for not encroachment of drains
Sahu Nala (3.00 Km.) Sotiya Nala (4.00 Km) Drain near Gandhi Ghat	Nil	There is no STP in Ramgarh Cantonment.	Slabs and channels are installed over the drains. Encroachment drives are conducted from time to time.

District Wise (including city and town) Information on river Ganga and Tributaries

C. Septage management (Septic tanks/soak pits)				
(i) Status of Septage management with reference to FSTP/STP	(ii) Management of Grey Water	(iii) Utilization of treated Grey water	(iv) Utilization and Disposal of Sludge	(v) Gap in sewage management and time plan
Cesspool Tankers are used to clean Septic Tanks	Soakpits are installed in individual households	NA	NA	Preparation of DPR for combined area of Nagar Parshad & Cantonment is under preparation by JUJDCO.



झारखण्ड राज्य प्रदूषण नियंत्रण पर्षद,
क्षेत्रीय कार्यालय-सह-प्रयोगशाला, पी0टी0सी0 चौक, मटवारी रोड, हजारीबाग।

पत्रांक.....585

दिनांक.....19.03.2025

प्रेषक,

जितेन्द्र प्रसाद सिंह,
क्षेत्रीय पदाधिकारी।

सेवा मे.

उप विकास आयुक्त,
उपायुक्त-सह-जिला दण्डाधिकारी कार्यालय,
रामगढ़।

विषय : माननीय NGT के वाद संख्या 200/2014 (M.C. Mehta Vs Union of India & Ors)
में पारित आदेश दिनांक 13.09.2024 के अनुपालन प्रतिवेदन उपलब्ध कराने के सम्बंध
में।

प्रसंग : भवदीय पत्रांक 385/वि०, दिनांक 17.03.2025.

महाशय,

उपर्युक्त विषयक माँगी गई बिंदु 'E' एवं 'F' पर वांछित सूचना संलग्न कर आवश्यक
कार्रवायी हेतु भेजी जा रही है।

विश्वासभाजन
JP 885
19.03.2025
(जितेन्द्र प्रसाद सिंह)
क्षेत्रीय पदाधिकारी
३

E. Districtwise (Including city and town) information on River Ganga and Tributaries	
Water quality status of Ganga and its tributaries in the District and City / Town in terms of its fitness for bathing water quality that is FC & FS	Notification of flood plain zones.
Ramgarh town is situated on the bank of River Damodar. Tributaries of River Ganga. Damodar river water sample collected at Up Stream & Down Stream of Ramgarh town. The value of FC & FS found fit for Bathing. Copy of test report is attached.	Notification of flood plain zones is not concerned with the Jharkhand State Pollution Control Board, Ranchi.

District wise (Including city and town) information on river Ganga and tributaries.

F. issues relating to Environmental Flow
Decreased water flow in summer season

N

JP884
19-03-2025

District wise (Including city and town) information on river Ganga and tributaries.

D. Industrial Pollution Control			
Sl. No.	No. of Industries generating trade effluents	Places of disposal	Compliance
1	M/s West Bokaro Coal Washery II, Tata Steel Ltd., At - Ghatotand, Ramgarh.	Slurry Settling Pond provided with recirculation system & functioning.	Complying
2	20 MW Captive Power Plant, M/s Tata Steel Ltd., At - Ghatotand, Ramgarh.	Ash settling pond provided with recirculation system & functioning	Complying
3	Tata Steel Ltd. M/s West Bokaro Coalery, At - Ghatotand, Ramgarh.	Mine water kept in mine pit and use in water sprinkling	Complying
4	M/s West Bokaro Coal Washery III, Tata Steel Ltd., At - Ghatotand, Ramgarh.	Slurry Settling Pond provided with recirculation system & functioning.	Complying
5	M/s Kedla Coal Washery, At - Basantpur, Kedla, Ramgarh	Slurry Settling Pond provided with recirculation system & functioning.	Complying
6	M/s Rajrappa Washery, CCL, At + P.O. - Rajrappa Project, Ramgarh	Slurry Settling Pond provided with recirculation system & functioning.	Complying
7	M/s Bhagawati Vintrade Pvt. Ltd., Bongabar, Bharechnagar, Ramgarh.	ETP installed for process effluent & after treatment used in sprinkling.	Complying
8	M/s Kunj Bihari Food Processing Pvt. Ltd., Sukrigarha, Lari, Ramgarh.	ETP installed for process effluent & after treatment used in sprinkling.	Complying
9	M/s H R Food Processing (P) Ltd. Patratu I/A, Patratu, Ramgarh.	ETP installed for process effluent & after treatment used in garding & sprinkling..	Complying
10	M/s Tapin Project, CCL At + P.O. - Tapin, Dist. - Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinling & after treatment used indomestic purpose.	Complying
11	M/s Parej East OCP, CCL At - Parej, Dist. - Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinling & after treatment used indomestic purpose.	Complying
12	M/s Jharkhand OCP, CCL At - Jharkhand, Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinling & after treatment used indomestic purpose.	Complying

13	M/s Topa Colliery, CCL, At + P.O. - Topa, Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinling & after treatment used indomestic purpose.	Complying	
14	M/s Karma Open Cast Project, CCL, At + P.O - Karma, Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinling & after treatment used indomestic purpose.	Complying	
15	M/s Kedla OCP. At + P.O. - Kedla, Ramgargh	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinling & after treatment used indomestic purpose.	Complying	
16	M/s Pali Hills Breweries Pvt. Ltd. At-Industrial Area, Patratu, P.O. - Patratu, Ramgargh	ETP installed for process effluent & treated water is used in gardening.	Complying	
17	M/s Bhurkunda OCP, At - Bhurkunda, Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinling & after treatment used indomestic purpose.	Complying	
18	M/s Sayal D OCP, At - Sayal, Ramgarh	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinling & after treatment used indomestic purpose.	Complying	
19	M/s Rajrappa OCP, CCL At Rajrappa, Ramgarh	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinling & after treatment used indomestic purpose.	Complying	
20	M/s Sirka OCP, CCL At - Sirka, P.O. - Argada, Ramgarh.	ETP installed for workshop effluent & in operation. Treated effluent is reused. Mine water is used in sprinling & after treatment used indomestic purpose.	Complying	

N

JP885
19.03.2025



Jharkhand State Pollution Control Board, Regional Office, Hazaribag.
Physico chemical characteristics of river Damodar at different points.
For the month of January, 2025

Sl.No.	Ref. No.	Name of Sampling Points.	Date & time Sampling	Temp. Air/Water °C	pH	D.O.	BOD Mg/l.	COD Mg/l	T.S. Mg/l.	TSS Mg/l.	TDS Mg/l
1.	666	U/s Bhairi River At- Rajrappa, Ramgarh	24.01.2025 at 11.20 AM	22/18.0	7.6	7.8	1.2	52	430	62	368
2.	667	D/s Damodar River, At- Rajrappa, Ramgarh	24.01.2025 at 11.50 AM	22/18.5	7.5	7.6	1.3	56	452	71	381
3.	668	Damodar River near Ramgarh Road Bridge, Dist- Ramgarh.	24.01.2025 at 03.30 PM	21/18.0	7.6	7.6	1.2	60	502	77	425
4.	669	Nalkari Tributary, At- Patratu, Ramgarh.	24.01.2025 at 04.40 AM	21/16.0	7.5	7.8	1.3	48	430	64	366
5.	670	Brakar River at Tilaiya Dam, PO-Jhumri Tilaiya, Koderma	25.01.2025 at 11.30 AM	22/18.0	7.3	7.8	1.2	32	314	38	276
6.	671	Tilaiya Dam near Intake Well of DVC., Jhumri Tilaiya, Koderma	25.01.2025 at 12.20 AM	22/18.5	7.3	7.6	1.2	36	320	34	286
7.	672	Konar River at Konar Dam, Bishnugarh, Hazaribag.	25.01.2025 at 02.10 AM	22/16.5	7.4	7.8	1.1	40	314	38	276
8.	673	Konar Dam near Intake well of DVC, Bishnugarh, Hazaribag.	25.01.2025 at 02.40 AM	20/16.5	7.3	7.8	1.1	36	310	40	270
9.	674	Meetha Jheel, At-Hazaribag Dist-Hazaribag	25.01.2025 at 04.10 AM	18/16.0	7.5	7.6	1.3	48	390	62	328

Standard Limits

6.5 to 8.5 4.0 min. 3.0

1500

(Signature)
 13/02/2025

(C.K. Yadav)
 A S.O., Hazaribag

(Signature)
 13.02.2025
 Regional Officer
 Hazaribag

(Signature)
 Board Analyst 13/02/2025
 Ranchi



ENVIROCHECK

Certified by : ISO/IEC 17025:2017 (NABL) & Recognised by JSPCB
 ISO 9001:2015 & ISO 45001 : 2018 Certified Laboratory
 Lab : MIG, R-3 Housing Colony, Dhanbad, Pin - 826001, State - Jharkhand [9830067044 / [9304513737



TEST REPORT

Name of the Unit	: Jharkhand State Pollution Control Board	Type of Unit	: Damodar River		
Address	: JSPCB, Regional Office, Hazaribagh, Jharkhand	Sampling Date	: 29.01.2025		
		Period of Analysis	: 02.02.2025		
		Date of Issue	: 15.02.2025		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: River Water
Location	: Up Stream - Over Bridge Road Near Ramgarh Thana	Sample ID No.	: ENV/131/W/M(i)	Report No.	: ENV/131/W/M(i)/24-25

S.no	Parameter	Unit	Test Protocol	Result
1.	Fecal Coliform	mg/L	9222D, APHA 23 rd edition	26 MPN/100 mL
2.	Fecal Streptococci	mg/L	IS 1622 : 1981	8 MPN/100 mL

Reviewed by :

(Saswata Burman Roy, Dy. Quality Manager)

****End of Report****

Authorised Signatory :

(Bapan Das, Dy. Technical Manager)





Form No. - TSJ/EMDLAB/F/090
Effective Date: 10-01-2022



ULR NO. :TC83632500002607F

TEST REPORT

Report No : TSJ/EMDLAB/WWWQMTR/2025/2607
Date of Report : 27-02-2025
Customer Name : Tata Steel West Bokaro Division (Environment Dept.)
Discipline of Monitoring & Testing : 1.1.28, Water
Sub Discipline : Ground Water/ Surface Water
Sample Description : Surface Water
Sampling Location : Damodar River Up Stream (Over Bridge Road Ramgarh Thana)
Sample Collection Date : 29-01-2025
Sample Collected By : JSPCB Joint Sampling
Sampling Procedure : Grab Sample
Sample Registration Date : 21-02-2025
Sample Receipt Condition : Plastic Bottle, 1 Litre
Sample Analysis Start Date : 21-02-2025
Sample Analysis End Date : 26-02-2025
Subcontract Test : N/A
Registration Number : TSJ/EMDLAB/WWWQM/24-25/11-0654
Report Issued by : J. Nagarjuna Reddy, Sr. Mgr. Env. Monitoring & Analysis
Environmental Conditions Maintained : Y as per IS:196-1966

S.No.	Parameters	Method of Analysis#	Units	Result
1	Ammonical Nitrogen (NH3-N)	APHA 24th Edition,2023; 4500 NH3 B, C	mg/L	<1.0
2	Barium	APHA 24th Edition,2023; 3120 B	mg/L	0.05
3	Boron (B)	APHA 24th Edition,2023; 3120 B	mg/L	0.08
4	Cadmium (Cd)	APHA 24th Edition,2023; 3120 B:	mg/L	0.01
5	Calcium (Ca)	APHA 24th Edition, 2023; 3500 Ca B	mg/L	39.52
6	Chloride (Cl-)	APHA 24th Edition,2023; 4500 Cl- B	mg/L	34.09
7	Copper (Cu)	APHA 24th Edition,2023; 3120 B:	mg/L	<0.01
8	Fluoride (F)	APHA 24th Edition,2023; 4500 F- D	mg/L	0.39
9	Iron (Fe) (ICP-OES)	APHA 24th Edition,2023; 3120 B	mg/L	0.07
10	Lead (Pb)	APHA 24th Edition,2023; 3120 B	mg/L	0.02
11	Manganese (Mn)	APHA 24th Edition,2023; 3120 B	mg/L	0.03
12	Nickel (Ni)	APHA 24th Edition,2023; 3120 B	mg/L	<0.01
13	Nitrate (NO3-)	APHA 24th Edition,2023; 4500 NO3-B	mg/L	NT
14	Oil and Grease (O&G)	APHA 24th Edition, 2023; 5520 B	mg/L	NT
15	pH	APHA 24th Edition, 2023; 4500-H+ B	-	8.47@ 23.2
16	Phenolic compounds	APHA 24th Edition,2023; 5530 B, D	mg/L	<0.10
17	Selenium (Se)	APHA 24th Edition,2023; 3120 B: 201	mg/L	<0.01
18	Sulphate (SO4-2)	APHA 24th Edition,2023; 4500 SO4-2 D	mg/L	163
19	Sulphide as S	APHA 24th Edition,2023; 4500 S2- F	mg/L	<0.1
20	Total Alkalinity as CaCO3	APHA 24th Edition,2023; 2320 B	mg/L	116

TATA STEEL LIMITED

JAMSHEDPUR WORKS

ENVIRONMENT MANAGEMENT DEPARTMENT LABORATORY

2ND FLOOR, FMD BUILDING, JAMSHEDPUR, EAST SINGHBHUM, JHARKHAND, INDIA



Form No. - TSJ/EMDLAB/F/090
Effective Date: 10-01-2022



ULR NO. : TC83632500002607F

S.No.	Parameters	Method of Analysis#	Units	Result
21	Total Chromium (Cr)	APHA 24th Edition,2023; 3120 B	mg/L	<0.01
22	Total Dissolved Solids (TDS)	APHA 24th Edition,2023; 2540 C	mg/L	300
23	Total Hardness (TH)	APHA 24th Edition,2023; 2340 C	mg/L	273
24	Turbidity	APHA 24th Edition,2023; 2130 B	NTU	3.3
25	Zinc (Zn)	APHA 24th Edition,2023; 3120 B	mg/L	<0.01
26	Biochemical Oxygen Demand	IS 3025 (Part 44)	mg/L	18
27	Chemical Oxygen Demand	APHA 24 th Edition, 2023; 5220 D	mg/L	16
28	Hexavalent Chromium (as Cr (VI))	APHA 24 th Edition, 2023; 3500 Cr B	mg/L	<0.05
29	Electrical Conductivity	APHA 24th Edition 2510 B: 2023	µS/cm	548
30	Cyanide (as CN ⁻)	APHA 24 th Edition, 2023; 4500-CN ⁻ C, F	mg/L	<0.1

Opinion and interpretation: Nil

Note: NT: Not Traceable

*Norms applicable as per IS 2296-surface water quality standard.

Standard Methods for The Examination of Water and Wastewater, 24th Edition, 2023, American Public Health association, American Water Works Association, Water Environment Federation.

¥ Indian Standard for Atmospheric Conditions for testing.

. ULR - Unique Laboratory Report (ULR) No

. **Disclaimer: The test results relate only to the items tested.**

-: End of the report: -

Authorized Signatory
Designation: Sr. Manager
Name: Janga Nagarjuna Reddy

TATA STEEL LIMITED

JAMSHEDPUR WORKS

ENVIRONMENT MANAGEMENT DEPARTMENT LABORATORY

2ND FLOOR, FMD BUILDING, JAMSHEDPUR, EAST SINGHBHUM, JHARKHAND, INDIA



ENVIROCHECK

Certified by : ISO/IEC 17025:2017 (NABL) & Recognised by JSPCB
 ISO 9001:2015 & ISO 45001 : 2018 Certified Laboratory
 Lab : MIG, R-3 Housing Colony, Dhanbad, Pin - 826001, State - Jharkhand [9830067044 / [9304513737



TEST REPORT

Name of the Unit	: Jharkhand State Pollution Control Board	Type of Unit	: Damodar River		
Address	: JSPCB, Regional Office, Hazaribagh, Jharkhand	Sampling Date	: 29.01.2025		
		Period of Analysis	: 02.02.2025		
		Date of Issue	: 15.02.2025		
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No	Type of Sample	: River Water
Location	: Down Stream – NH Over Bridge Kaitha	Sample ID No.	: ENV/132/W/M(i)	Report No.	: ENV/132/W/M(i)/24-25

S.no	Parameter	Unit	Test Protocol	Result
1.	Fecal Coliform	mg/L	9222D, APHA 23 rd edition	33 MPN/100 mL
2.	Fecal Streptococci	mg/L	IS 1622 : 1981	11 MPN/100 mL

Reviewed by :

(Saswata Burman Roy, Dy. Quality Manager)

****End of Report****

Authorised Signatory :

(Bapan Das, Dy. Technical Manager)





Form No. - TSJ/EMDLAB/F/090
Effective Date: 10-01-2022



ULR NO. :TC83632500002606F

TEST REPORT

Report No : TSJ/EMDLAB/WWWQMTR/2025/2606
Date of Report : 27-02-2025
Customer Name : Tata Steel West Bokaro Division (Environment Dept.)
Discipline of Monitoring & Testing : 1.1.28. Water
Sub Discipline : Ground Water/ Surface Water
Sample Description : Surface Water
Sampling Location : Damodar River Down Stream (NH Over Bridge Kaitha)
Sample Collection Date : 29-01-2025
Sample Collected By : JSPCB Joint Sampling
Sampling Procedure : Grab Sample
Sample Registration Date : 21-02-2025
Sample Receipt Condition : Plastic Bottle, 1 Litre
Sample Analysis Start Date : 21-02-2025
Sample Analysis End Date : 26-02-2025
Subcontract Test : N/A
Registration Number : TSJ/EMDLAB/WWWQM/24-25/11-0655
Report Issued by : J. Nagarjuna Reddy, Sr. Mgr. Env. Monitoring & Analysis
Environmental Conditions Maintained : ¥ as per IS:196-1966

S.No.	Parameters	Method of Analysis#	Units	Result
1	Ammonical Nitrogen (NH ₃ -N)	APHA 24th Edition,2023; 4500 NH ₃ B, C	mg/L	<1.0
2	Barium	APHA 24th Edition,2023; 3120 B	mg/L	0.05
3	Boron (B)	APHA 24th Edition,2023; 3120 B	mg/L	0.04
4	Cadmium (Cd)	APHA 24th Edition,2023; 3120 B	mg/L	0.01
5	Calcium (Ca)	APHA 24th Edition, 2023; 3500 Ca B	mg/L	40.08
6	Chloride (Cl-)	APHA 24th Edition,2023; 4500 Cl- B	mg/L	34.69
7	Copper (Cu)	APHA 24th Edition,2023; 3120 B:	mg/L	<0.01
8	Fluoride (F)	APHA 24th Edition,2023; 4500 F- D	mg/L	0.32
9	Iron (Fe) (ICP-OES)	APHA 24th Edition,2023; 3120 B	mg/L	0.05
10	Lead (Pb)	APHA 24th Edition,2023; 3120 B	mg/L	0.02
11	Manganese (Mn)	APHA 24th Edition,2023; 3120 B	mg/L	0.03
12	Nickel (Ni)	APHA 24th Edition,2023; 3120 B	mg/L	0.02
13	Nitrate (NO ₃ -)	APHA 24th Edition,2023; 4500 NO ₃ -B	mg/L	NT
14	Oil and Grease (O&G)	APHA 24th Edition, 2023; 5520 B	mg/L	NT
15	pH	APHA 24th Edition, 2023; 4500-H+ B	-	8.4@23.3
16	Phenolic compounds	APHA 24th Edition,2023; 5530 B, D	mg/L	<0.10
17	Selenium (Se)	APHA 24th Edition,2023; 3120 B: 201	mg/L	<0.01
18	Sulphate (SO ₄ -2)	APHA 24th Edition,2023; 4500 SO ₄ -2 D	mg/L	128
19	Sulphide as S	APHA 24th Edition,2023; 4500 S ₂ - F	mg/L	<0.10
20	Total Alkalinity as CaCO ₃	APHA 24th Edition,2023; 2320 B	mg/L	132

TATA STEEL LIMITED

JAMSHEDPUR WORKS

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2ND FLOOR, FMD BUILDING, JAMSHEDPUR, EAST SINGHBHUM, JHARKHAND, INDIA



Form No. - TSJ/EMDLAB/F/090
Effective Date: 10-01-2022



ULR NO. : TC83632500002606F

S.No.	Parameters	Method of Analysis#	Units	Result
21	Total Chromium (Cr)	APHA 24th Edition,2023; 3120 B	mg/L	<0.01
22	Total Dissolved Solids (TDS)	APHA 24th Edition,2023; 2540 C	mg/L	264
23	Total Hardness (TH)	APHA 24th Edition,2023; 2340 C	mg/L	249
24	Turbidity	APHA 24th Edition,2023; 2130 B	NTU	5.9
25	Zinc (Zn)	APHA 24th Edition,2023; 3120 B	mg/L	0.02
26	Biochemical Oxygen Demand	IS 3025 (Part 44)	mg/L	8
27	Chemical Oxygen Demand	APHA 24 th Edition, 2023; 5220 D	mg/L	26
28	Hexavalent Chromium (as Cr (VI))	APHA 24 th Edition, 2023; 3500 Cr B	mg/L	<0.05
29	Electrical Conductivity	APHA 24th Edition 2510 B: 2023	µS/cm	616
30	Cyanide (as CN ⁻)	APHA 24 th Edition, 2023; 4500-CN- C, F	mg/L	<0,1

Opinion and interpretation: Nil

Note: NT: Not Traceable

* Norms applicable as per IS 2296-surface water quality standard.

Standard Methods for The Examination of Water and Wastewater, 24th Edition, 2023, American Public Health association, American Water Works Association, Water Environment Federation.

¥ Indian Standard for Atmospheric Conditions for testing.

. ULR - Unique Laboratory Report (ULR) No

. **Disclaimer: The test results relate only to the items tested.**

-: End of the report: -

Authorized Signatory
Designation: Sr. Manager
Name: Janga Nagarjuna Reddy

TATA STEEL LIMITED

JAMSHEDPUR WORKS

ENVIRONMENT MANAGEMENT DEPARTMENT LABORATORY

2ND FLOOR, FMD BUILDING, JAMSHEDPUR, EAST SINGHBHUM, JHARKHAND, INDIA

कार्यालय, महाप्रबन्धक, जिला उद्योग केन्द्र, हजारीबाग।
(Email- dichazaribagh@gmail.com)

पत्रांक 183 /हजारीबाग, दिनांक 20/03/2025

प्रेषक,

शम्भु शरण बैठा
महाप्रबन्धक,
जिला उद्योग केन्द्र, हजारीबाग।

सेवा में,

उप विकास आयुक्त,
रामगढ़।

विषय:- माननीय NGT के वाद संख्या-200/2014 (M.C. Mehta Vs Union of Indis & Ors.) में पारित आदेश दिनांक 13.09.2024 के अनुपालन प्रतिवेदन उपलब्ध कराने के संबंध में।

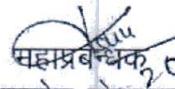
प्रसंग :- उपायुक्त-सह-जिला दण्डाधिकारी का कार्यालय, (विकास शाखा), रामगढ़ का पत्रांक 385/वि0, दिनांक 17.03.2025

महाशय,

उपर्युक्त विषयक प्रसांगिक पत्र के आलोक में रामगढ़ जिला का Waste Management/ Effluent से संबंधित प्रतिवेदन पत्र के साथ संलग्न कर आवश्यक कार्यार्थ भेजी जा रही है।

अनु0:-यथोक्त।

विश्वासभाजन


महाप्रबन्धक, 20.03.25
जिला उद्योग केन्द्र, हजारीबाग।
26.3.25

Report on Waste Management/Effluent of Industrial Units of Ramgarh

Sl. No.	Name & Address of Units	Product	Waste Product	Daily generation of Industrial Waste/Tonnes per day)	CTO by JSPCB	Remarks
1	2	3	4	5	6	7
1	M/S Globe Steel & Alloys Pvt.Ltd., Rautam Marar, Ramgarh	MS INGOT	Slag & Solid Waste	0.5	Updated	They using their waste material in their own Plant
2	M/S Aloke Steel Industries Pvt.Ltd, Budhakhap, Karma, Mandu, Ramgarh	SPONGE IRON & MS BILLET	Dolochar	150 approx	Updated	They give their wastage to Bricks & Coal Plant
3	M/S Jharkhand Ispat Pvt.Ltd	SPONGE IRON & MS BILLET	Dolochar	150 approx	Updated	They give their wastage to Bricks & Coal Plant
4	M/S Jindal Steel Power Ltd., Patratu, Ramgarh	TMT BAR, MS WAIR, ROD	No. Wastage	Solid Waste-110	Updated	Industry waste does not get into the river or any other water resources
5	M/S Radha Casting Metallic Pvt.Ltd, Rauta, Marar, Ramgarh	INGOT BILLET	Slag & Solid Waste	4	Updated	They sell it as per the requirement of the local person
6	M/S Maihar Alloys Pvt.Ltd, Rauta, Marar, Ramgarh	INGOT BILLET	Slag & Solid Waste	3	Updated	They sell it as per the requirement of the local person
7	M/S Yash Alloys Pvt.Ltd, C.O Ambey Casting Pvt.Ltd, Kusumdh, Gola, Ramgarh	MS INGOT	Slag & Solid Waste	4	Updated	They use their wastage in their own plant
8	M/S Inland Power Limited, VIII-Tonagatu, P.O.-Saram, Gola, Ramgarh	(i) Power Plant-1X63 MW (ii) Fly Ash Bricks-25200 Nos/day	Fly Ash	800	Updated	They use their waste material in their own Bricks Plant
9	M/S Sri Venkatesh Iron & Alloys (India) Ltd., At-Lapanga, P.O.-Bhadani Nagar, Ramgarh	SPONGE IRON-4x100 tpd	Dolochar	120 Approx	Updated	They use their waste material in their own Plant
10	M/S Brahmputra Metallics Pvt.Ltd, Gola, Ramgarh	IRON & STEEL INVOLVING PROCESSING FROM ORE/Integrated Steel Plant	Fly Ash	230 Approx	Updated	They use their waste material in their own Bricks Plant
11	M/S Maa Chhinmastike Cement & Ispat Pvt.Ltd, Hesla, Barkakana, Ramgarh	sponge iron	Dolochar, Fly Ash	100 Approx 50 Approx	Updated	They use their waste material in their own Bricks Plant
12	M/S Bhagwati Vintrade Pvt.Ltd, Bongabar, Bharechnagar, Ramgarh	Rice Mill	No. Wastage	No. Wastage	Updated	The Discharged effluent, water has been recycled by the unit and used properly by the industry
13	M/S Shree Nanak Ferro Alloys Pvt.Ltd, Rauta, Marar, Ramgarh	Ferro Alloys	Slag & Solid Waste	22 Approx	Updated	For Land filling & new road highways construction
14	M/S Bihar Foundry & Castings Ltd., Rauta, Marar, Ramgarh	iron ingot	dolochar Salo dust Slag	50-80 Approx 10-15 Approx 10-15 Approx	Updated	Use in local area

16	M/S Ferro Alloys (Unit of BFCL), Marar Industrial ares, Ramgarh	ferro alloys/ silico magnese	Slag	50 Approx	Updated	For Land filling & new road highways construction They use in their own Plant
17	M/S Dayal Alloy & Steel Castings U/O Daval Steels Ltd., Chaha, Ramgarh	MS ingot & alloys-28800mt/pa	Slag		Updated	They sell their waste material to induction Plants
18	M/S Pankaj Steel, Bharech Nagar, Sandi, Ramgarh	MS ROD	Scrap	1 Approx	Updated	The Discharged effluent, water has been recycled by the unit and used properly by the Industry
19	M/S Kunj Bihari Food Processors(P) Ltd., Sukrigarha, Lari, Dulmi, Ramgarh	RICE MILL	No. Wastage	No. Wastage	Updated	
20	M/S Ashwin Chemicals, Rauta, Marar, Ramgarh	ALUM MFG.	No. Wastage	No. Wastage	Updated	No. Waste material
21	M/S Kameshwar Alloys & Steels Pvt.Ltd, Gola, Ramgarh	STEEL PLANT	Slag	20 Approx	Updated	They use
22	M/S Mehak Ceramics, Budhakhap, Dajwar, Ramgarh	CALCINATION OF REFACTORY	Bricks	2 Approx (Monthly)	Updated	They reuse in their own Plant
23	M/S Vishal Sponge Pvt.Ltd, Borobing, Ramgarh Cantt., Ramgarh	SPONGE IRON	Dolochar	08-10 Approx	Updated	For Land filling & new road highways construction
24	M/S Ramgarh Casting Pvt.Ltd, Rauta, Marar, Ramgarh	SPONGE IRON	Slag & Solid Waste	20KG	Updated	For Land filling & new road highways construction
25	M/S Madhura Ingot & Steel Co. Pvt.Ltd, At- Argada Road, Binjhar, P.O.-Marar, Ramgarh	MS INGOT	Dolochar		Updated	For Land filling & new road highways construction
25	M/S Calcutta Carbide Pvt.Ltd, Rauta, Marar, Ramgarh	SILICO MANGANESE & FERRO MANGANESE-8935TPA	Slag		Updated	For Land filling & new road highways construction

General Manager
 16/01/07
 20.3.25
 District Industries Centre, Hazaribagh

कार्यालय, कारखाना निरीक्षक, हजारीबाग अंचल - 1, हजारीबाग I

पत्रांक: 37

प्रेषक,

शिवानन्द लागुरी
कारखाना निरीक्षक,
हजारीबाग अंचल- 1, हजारीबाग I

सेवा में,

DDC Cum CEO
District Board, Ramgarh.

कैम्प बोकारी, दिनांक: 19.03.2025

विशय: माननीय NGT के वाद संख्या-200/2014 (M.C Mehta Vs Union of India & Ors.) में पारित आदेश दिनांक 13.09.2024 के अनुपालन प्रतिवेदन उपलब्ध कराने के संबंध में।

प्रसंग: आपके कार्यालय पत्रांक 385 दिनांक 17.03.2025

महाशय,

उपरोक्त विषय के संबंध में माँगी गई वांछित विवरणी निम्नलिखित कारखानों से प्राप्त कर इस पत्र के साथ संलग्न कर प्रेषित की जा रही है :

1. M/s Inland Power Limited
2. M/S SAIL Refractory Unit Ranchi Road
3. M/S SOLAR INDUSTRIES INDIA LTD.
4. M/S IDL EXPLOSIVE LIMITED, RAJRAPPA PROJECT, RAMGARH
5. M/S ALOKE STEELS INDUSTRIES PVT. LTD
6. M/s Maa Chhinnmastika Cement & Ispat pvt Ltd (MCCIPL)
7. M/S PATRATU VIDYUT UTPADAN LIMITED (A SUBSIDIARY OF NTPC JOINT VENTURE WITH JBVNL)/ M/S PATRATU SUPER THERMAL POWER PROJECT-PHASE 1 (3X800 MW)/03
8. M/S Bihar Foundry & Castings ltd Unit HA Sponge and Power
9. M/s Jharkhand Ispat Pvt. Ltd. (JIPL)
10. M/S BRAHMAPUTRA METALLICS LIMITED, VILLAGE - KAMTA, GOLA, RAMGARH
11. M/s Radha Casting and Metalik Private Limited
12. M/s. UltraTech Cement Limited (Patratu Cement Works)
13. M/S Pawan Solvents & Chemicals, Kanjagi, Argada, Ramgarh

बाकि दस कारखानों को स्मार्ट पत्र प्रेषित है I प्रतिवेदन प्राप्त होते ही महाशय को प्रेषित की जायेगी I
अनुलग्नक: राशोक्त

भवदीय,

(शिवानन्द लागुरी)
कारखाना निरीक्षक

हजारीबाग अंचल- 1, हजारीबाग

ज्ञाप संख्या : 37

कैम्प बोकारी, दिनांक: 19/03/2025

प्रतिलिपि: उपायुक्त, रामगढ़ को सादर सूचनार्थ एवं आवश्यक कार्यार्थ प्रेषित I

(शिवानन्द लागुरी)
कारखाना निरीक्षक

हजारीबाग अंचल- 1, हजारीबाग

**NGT REPORT FROM OFFICE OF THE INSPECTOR OF FACTORIES,
HAZARIBAG CIRCLE- 1, HAZARIBAG.**

(i) M/s Inland Power Limited:

1. Updated factory profile (details of manufacturing process, raw material used, end product and by product.)- It is situated in Gola block, Ramgarh district is generating 63 MW of power since 2014.
2. Distance of Factory from any stream/ River or water body- Senergrah Nala is about- 524 meters
3. List of Hazardous chemical/ material used, intermediate or finished products, by-product handled and stored in your factory with storage capacity-
Sulphuric Acid- store in tank with 15 ton capacity
HCL- store in jar,
Caustic Soda- store in bag
Hypo- store in jar
The finished product is Electricity which is supplied to JBVNL.
4. List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

1. No.	Sl. Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1	Fly Ash	solid	271243	MT/YEAR
2	Effluent water	liquid	450 (NEUTRALIZATION AND REUSE)	KLD
3	Transformer Oil	liquid	FILTRATION AND REUSE	
4	Used Industrial Oil	Semi-liquid	0.65	KL/YEAR

5. What effective arrangements is made in your factory for the treatment of Waste and effluents.
 - i) There is no need of incineration of solid waste.
 - ii) Process/Effluent water is treated (chemically) by neutralizing process for use in road sprinkling and gardening process. iii) Electrostatic precipitators has been installed and attached to boiler for control of dust emission from the boiler. All the effective measure has been taken during handling of the waste i.e. transportation of fly ash covered by tarpaulin, water sprinkling during handling of waste etc. As mentioned in our EC the cooling tower, boiler blow down water and DM reject water are collected in neutralizing pit and the neutralized water is used in road sprinkling for dust suppression, green belt development, ash conditioning and brick manufacturing. All the workers are come from nearby villages so no much quantity of domestic effluent generated for installation of STP, the little quantity of domestic effluent is collected in soak pit.
6. For TPP/CPP- One number of boilers installed with capacity of 250 TPH, quantity of coal used per day is 1500 TPD, and ash generated is about 885 TPD which is stored in silos and sent to in- house brick manufacturing plant, cement industries, other bricks manufacturing plant, construction of road etc for its disposal.

(ii) M/S SAIL Refractory Unit Ranchi Road

1. SRU, Ranchi Road is situated in Ramgarh, 50 km from Ranchi and 90 km from Bokaro. The installed capacity of the unit is 7,500 ton. Equipped with high duty presses, the unit produces superior quality magnesia carbon bricks. Manufacturing of MCB bricks is done through crushing of raw materials, mixing, pressing and curing at 250 °C. Curing is done through electrical heaters which substantially reduces emissions as no fossil fuels are being burned.

2. Distance of Factory from any stream/ River or water body- 4 KM
3. List of Hazardous chemical/ material used, intermediate or finished products, by - product handled and stored in your factory with storage capacity-
Major raw materials include Sea Water Magnesia (MgO 97%), Dead Burned Magnesia (DBM) (Mgo-97%), Fused Magnesia (MgO - 97%), Dead Burned Magnesia Mgo-87%), Graphite (Carbon -94%), Pitch Powder, Sodium Di-chromate, Sodium Hexa meta phosphate, Aluminium Powder, Resin.
4. End Product is Magnesia Carbon Bricks & Ramming Masses.
5. List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

1. No.	Sl.	Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1		HDPE Bags	solid	10	MT/ YEAR
2		Effluent water	N.A		
3		Transformer Oil	N.A		
4		Used Industrial Oil	N.A		

6. What effective arrangements is made in your factory for the treatment of Waste and effluents.
 - i) There is no need of incineration of solid waste. HDPE Bags are sold as scrap
 - ii) Cyclone separator is being used to catch solid particles from the crushing section
 - iii) Whether ETPs/STPs installed or not. If installed whether it is working or not.
Not installed as no such waste is generated.
7. For TPP/ CPP- Not Applicable
8. Place of dumping industrial waste and distance of such place from any stream/river
Not applicable.
9. Coal washeries
Not applicable.

(iii) M/S SOLAR INDUSTRIES INDIA LTD.

1. Updated factory profile (details of manufacturing process, raw material used, end product and by product.)- IT IS A PART OF SOLAR GROUP OF COMPANIES WHICH IS MANUFACTURING NON -EXPLOSIVES BULK EMULSION AND SITUATED IN AT-MANUA, HESLA, RAMGARH
2. Distance of Factory from any stream/ River or water body- *Not mentioned*
3. List of Hazardous chemical/ material used, intermediate or finished products, by - product handled and stored in your factory with storage capacity-
Ammonium Nitrate, Calcium Nitrate, Sulfuric Acid, Sodium Nitrate, Diesel Oil and heating of Furnace Oil
4. End Product is Bulk Emulsion Matrix
5. List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

1. No.	Sl.	Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1		Effluent water	Liquid	500	lit/ day
2		COAL ASH	Solid	1.5	MT/Day
3		Transformer Oil	N.A		
4		Used Industrial Oil	N.A		

6. What effective arrangements is made in your factory for the treatment of Waste and effluents.
 - i) Coal Ash is disposed in Dumping Area
 - ii) Whether ETPs/STPs installed or not. If installed whether it is working or not-
ETP Installed and in working condition. Capacity is 2 KL/hrs
7. For TPP/ CPP- Not Applicable
8. Place of dumping industrial waste and distance of such place from any stream/river

Not mentioned

9. Coal washeries
Not applicable.

(iv) M/S IDL EXPLOSIVE LIMITED, RAJRAPPA PROJECT, RAMGARH

1. Updated factory profile (details of manufacturing process, raw material used, end product and by product.)- Distance of Factory from any stream/ River or water body- 12 km
2. List of Hazardous chemical/ material used, intermediate or finished products, by - product handled and stored in your factory with storage capacity-
The following raw materials are used to manufacture Emulsion Matrix.

>Ammonium Nitrate (AN)

>Sodium Nitrate (SN)

>Different types of Wax

>Diesel Oil and Furnace Oil (FO)

3. >Sorbitan Mono-Oleate (SMO)

End Product is Bulk Emulsion Matrix

4. List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

1. No.	Sl.	Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1		Effluent water	N.A		
2		COAL ASH	N.A		
3		Transformer Oil	N.A		
4		Used Industrial Oil	N.A		

5. What effective arrangements is made in your factory for the treatment of Waste and effluents.
ETP not Installed as not applicable
6. For TPP/CPP- Not Applicable
7. Place of dumping industrial waste and distance of such place from any stream/river
Not applicable
8. Coal washeries
Not applicable.

(v) M/S ALOKE STEELS INDUSTRIES PVT. LTD

1. Updated factory profile (details of manufacturing process, raw material used, end product and by product.)- It is situated in Bhudakhap, Karma, Ramgarh district is manufacturing Sponge Iron 120000 MT per year.
2. Distance of Factory from any stream/ River or water body- Damodar River distance 1.5 Km
3. List of Hazardous chemical/ material used, intermediate or finished products, by - product handled and stored in your factory with storage capacity-
Iron Ore/ Iron ore Pellets, Coal and Dolomite
The finished product is Sponge Iron and by Product is Dolochar (Coal Char)
4. List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

1. No.	Sl.	Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1		Fly Ash	NA		
2		Effluent water	NA		
3		Transformer Oil	NA		
4		Used Industrial Oil	liquid	1142	LIT/YEAR

5. What effective arrangements is made in your factory for the treatment of Waste and effluents.
-M/s Alope Steels Industries Pvt Ltd have four (4) numbers of Electrostatic Precipitators for each kiln, ten (10) numbers of Bag filters for transfer points of Raw Material & Finish Product and Eighty (80) numbers of water sprinklers for minimization of dust emissions.
-Used industrial oils are kept in drums at specific storage location and are used captively for lubrication of different chain drives, conveyor system and rotary kiln.
6. For TPP/CPP- NOT APPLICABLE
7. Whether ETPs/STPs installed or not. If installed whether it is working or not. Specify Quantity of Effluents generated per day and treated per day. Explain use or Re-use of treated water in your factory premises. If not reused whether it was discharged out side of Factory Premises or not. Please submit report with photograph & proof.
- For domestic waste, Unit has provided septic tank with soak pit. It is a zero liquid discharge (ZLD) unit, web camera & flow meter are installed as per Central Pollution Control Board. New Delhi guideline. Hence installation of ETPs/STPs not applicable.
8. Place of dumping industrial waste and distance of such place from any stream/ river.
-Industrial waste (Dolochar) are being dumped within plant premises and sold. Damodar River distance is about 1.5 km from the dumping site of ASIPL.
9. Coal washeries- NOT APPLICABLE

(vi) M/s Maa Chhinnmastika Cement & Ispat pvt Ltd (MCCIPL)

1. It is a manufacturing unit of Sponge Iron, M.S. Billet, TMT bar, Waste Heat Recovery Boiler (WHRB) and AFBC power, the annual capacity of the unit is 90000 MT Sponge Iron, 72000 MT M.S. Billets, 67500 TPA TMT bar, 6 MW WHRB & 9 MW AFBC power plant.
2. Distance of Factory from any stream/ River or water body- Damodar River distance 2 Km
3. List of Hazardous chemical/ material used, intermediate or finished products, by - product handled and stored in your factory with storage capacity-
Raw materials: - 1) For Sponge Iron - Iron Ore/Iron Ore pellets, Coal and Dolomite. 2) For M.S. Billets - sponge iron. (Captive generation) 3) For TMT bar - M S Billets (Captive generation) 4) For CPP - Coal char and waste heat (Captive generation)
End Product: - Sponge Iron, M S Billets & TMT bar.
By product: - Dolochar (Coal Char), Slag and Fly Ash.
4. List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

Sl. No.	Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1	Used Industrial Oil	liquid	241	Lit/year
2	Fly Ash	solid	150	MT/DAY

5. What effective arrangements is made in your factory for the treatment of Waste and effluents.
-M/s Maa Chhinnmastika Cement & Ispat Pvt Ltd have four (3) numbers of Electrostatic Precipitators for each kiln, nine (9) numbers of Bag filters for transfer points of raw materials & finish product and Thirty (30) numbers of water sprinklers for minimization of dust emissions.
-Used industrial oils are kept in drums at specific storage location and are used captively for lubrication of different chain drives, conveyor system and rotary kiln.
6. For TPP/CPP-
MCCIPL having 6 MW WHRB & 9 MW AFBC captive power production units. Waste Heat Recovery Boiler (WHRB) for power generation with help of DRI waste heat. Hence there is no any generation of fly ash. The fly ash is generated in AFBC boiler unit, Detail of WHRB :- No. of boiler installed - 3 Capacity of boiler - 10 TPH Detail at AEBC power generation;- No. of boiler installed - 1 Capacity of boiler - 50 TPH Quantity of coal- 180 MT per day Quantity of Coal Char - 180 MT per day Fly ash generation - 150 MT per day Fly ash is used in the brick plant installed besides the unit.
10. Whether ETPs/STPs installed or not. If installed whether it is working or not. Specify Quantity of Effluents generated per day and treated per day. Explain use or Re-use of treated water in your

factory premises. If not reused whether it was discharged out side of Factory Premises or not. Please submit report with photograph & proof.

- For domestic waste, Unit has provided septic tank with soak pit. It is a zero liquid discharge (ZLD) unit, web camera & flow meter are installed as per Central Pollution Control Board, New Delhi guideline. Hence installation of ETPs/STPs not applicable.

11. Place of dumping industrial waste and distance of such place from any stream/ river.
-Industrial waste (Dolo char) & Fly Ash are being dumped within plant premises and sold. Damodar River distance is about 2 km from the dumping site of MCCIPL.

12. Coal washeries- NOT APPLICABLE

(vii) M/S PATRATU VIDYUT UTPADAN LIMITED (A SUBSIDIARY OF NTPC JOINT VENTURE WITH JBVNL)/ M/S PATRATU SUPER THERMAL POWER PROJECT-PHASE 1 (3X800 MW)/03

- Updated factory profile (details of manufacturing process, raw material used, end product and by product.)- The Patratu Super Thermal Power Project (Phase-I, 3X800 MW) is GENERATING ELECTRICITY FROM COAL
- Details of Process: Coal is combusted in a boiler to generate superheated steam which is used in turbine to generate Electricity. Exhaust steam from the turbine is cooled in an air-cooled condenser and reused in the boiler. Total power generation capacity of the plant is 2400 MW. As per design data, approximate value of coal consumption and ash generation per unit per day is 12,200 MT and 4,400 MT respectively.
 - Distance of Factory from any stream/ River or water body- The plant is located in between 0.1 km to 1.350 km from river
 - List of Hazardous chemical/ material used, intermediate or finished products, by - product handled and stored in your factory with storage capacity-
Hydrochloric acid, Caustic soda lye, Liq. Ammonia, Sulphuric acid, Sodium chlorite, Sodium hypochlorite with maximum storage of 200 MT, 50MT, 10,000 L, 20 MT, 20 MT, 10 MT respectively will be used
- List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

Sl. No.	Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.)	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1	Coal ash (based on design parameters)	Solid	4400	MT/DAY
2	Effluent water(based on design parameters)	NA	8800	KLD
3	Transformer Oil	NA		
4	Used Industrial Oil	NA		

- What effective arrangements is made in your factory for the treatment of Waste and effluents.
-Each unit will have individual Electrostatic precipitator to control particulate matter emission as per MoEF&CC guidelines. Effluent water will be treated in effluent treatment plant as per CPCB guidelines.
-Coal ash generated will be used as much as possible as per MoEF&CC guidelines. Remaining unused ash will be stored in an ash mound. The treated water from the ETP will be used in dust suppression in coal & ash handling service water system, auxiliary cooling tower makeup etc.
For TPP/CPP- No. of boiler: 03.
Capacity of boiler: 2560 ton/hr. EACH
Coal consumption (design value): 12,200 MT/Unit/Day
Ash generation per day (design value at 85% PLF): 4400 MT/Unit/Day
Unused ash will be stored in an ash mound to be constructed within the area earmarked for the plant.
- Whether ETPs/STPs installed or not. If installed whether it is working or not. Specify Quantity of Effluents generated per day and treated per day. Explain use or Re-use of treated water in your factory premises. If not reused whether it was discharged out side of Factory Premises or not. Please submit report with photograph & proof.
- Under construction

12. Place of dumping industrial waste and distance of such place from any stream/ river.
-A distance of more than 500 meter from the river will be maintained as per MoEF&CC guidelines.
13. Coal washeries- NOT APPLICABLE

viii) M/S Bihar Foundry & Castings Ltd Unit HA Sponge and Power

1. Updated factory profile (details of manufacturing process, raw material used, end product and by product.)- Bihar Foundry & Castings Ltd Unit HA Sponge and Power

Sponge Iron- 100X3 TPD, Captive Power 5 MW, M S Billet-48,000 MT/Annum

Sponge Iron Manufacturing:

Details of Process: In the process of manufacturing Sponge Iron, Coal is used as a source of Heat and as a reductant. During the process of making Sponge Iron, it generates Solid Waste in the form of Char, which is sold Inland Power Plant, where it is used as a fuel and also sold in market. Fraction of Coal (called Coal Fines) after sizing and screening is being injected pneumatically into the Kiln, as a process requirement. A small quantity of Dolomite is being used as a De-sulphurizing Agent. It is a coal based rotary kiln process. To produce Sponge Iron, the main raw materials are Iron Ore, Coal, Dolomite are fed to kiln, in fixed proportion. In this process Iron Ore of size 5x20mm along with coal of size 3x20mm and Dolomite are fed to the rotary kiln. The kiln rotates at a desired, speed and this retains the iron ore for certain time duration in the kiln. At the feed end of kiln pre-heating of Iron Ore, Coal and Dolomite takes place. Through out the kiln length coal burns and the Iron Ore is reduced in the desired temperature. Then Iron Ore starts reacting with carbon monoxide (derived from carbon in coal). The carbon monoxide reduces the Iron Ore into iron in solid waste state. The reaction takes place as shown below:

2. Distance of Factory from any stream/ River or water body-

Damodar River-1.4 South

Raura Nala-2.5 East

Meramgarh - 4.7 East

Unnamed stream - 0.7 West

Ramgarh village pond -3.6 South

Seota village pond -1.5

2. List of Hazardous chemical/ material used, intermediate or finished products, by - product handled and stored in your factory with storage capacity-

- Coal Imported, Indian Coal, Dolomite, Pellets, Sponge Iron, MS Scrap/pigs, Ferro Manganese, Manganese ore, Pearl Coke, Electrode Paste, Quartz

Dolomite, Silico Manganese, Manganese Ore, Pearl Coke, Carbon Paste Dolomite, FeMn Slag

The finished product is Sponge Iron and by Product is Sponge Iron, M S Billets

3. List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

1. No.	Sl.	Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1		Coal ash (based on design parameters)	NA		
2		Effluent water(based on design parameters)	NA		
3		Transformer Oil	NA		
4		Used Industrial Oil	liquid	0.40	KL/ YEAR

4. What effective arrangements is made in your factory for the treatment of Waste and effluents.

-No waste water is discharged outside the plant premises. Water is used only for cooling of kiln. There is no use of water in manufacturing process. Entire process water is recycled and reused thus maintaining zero liquid discharge. The Solid waste has now been shifted/ dumped in the dissipated area. However, small quantities if left are kept at designated areas, which lifted by user agency immediately.

DRI Unit -

Char is being sold to nearby AFBC based power plant in the cluster. Silo Dust Used for filling low laying area of Ramgarh Cantonment). Permission letter No. 132 dated 29.01.2019 of Ramgarh municipality is attached herewith for your kind perusal as

SMS Unit --

Slag- Slag is used for filling low laying area and road construction.

DRI Unit

Electrostatic Precipitators (ESPs): 03 nos. of ESP is installed in all three DRI Kilns, efficiently controlling dust emissions from the chimney. A 5MW Waste Heat Recovery Boiler (WHRB) is also installed to further reduce gaseous emissions.

Bag Filters: Installed at vulnerable points in the DRI plant to control fugitive dust emissions. The details of bag filters are mentioned below:-

S.no Bag Filter Installation area of DRI Plant

1. Coal & Iron Ore -01,
2. Screening Area(RMH) , Crusher House, Product House, Intermediate Bins-02
3. Cooler discharge -01
4. Coal Injection Point -03

Total 07 installed

SMS Unit

Fume Extraction System: Installed in the induction furnace of the SMS unit, along with an ID fan and wet scrubber. Cleaned gases are passed through a stack of adequate height to meet emission standards.

5. For TPP/ CPP- They have Waste Heat Recovery Boiler (WHRB) where %MW electricity is generated. There is no use of coal for generating electricity as the boiler of WHRB is run by the fume of DRI Kiln. So there is no generation of ash from WHRB.

6. Whether ETPs/STPs installed or not. If installed whether it is working or not. Specify Quantity of Effluents generated per day and treated per day. Explain use or Re-use of treated water in your factory premises. If not reused whether it was discharged out side of Factory Premises or not. Please submit report with photograph & proof.

This factory is ZLD. No effluent is discharged outside factory premises. Water is used only for cooling Kiln. Water is used in sprinkling purpose for suppression of fugitive, 69 nos. fixed water sprinklers are installed near loading/unloading points of raw material stockpiles and transportation roads.

No waste water is discharged outside the plant premises. Entire process water is recycled and reused thus maintaining zero liquid discharge. Some of the blow down water is also used for sprinkling of water in roads.

They have installed 60 Nos. of fixed water sprinklers & 100 Nos. of Fog nozzles.

7. Place of dumping industrial waste and distance of such place from any stream/ river.

Silo dust used for filling low laying area of Ramgarh Cantonment). Permission letter No. 132 dated 29.01.2019 of Ramgarh municipality is attached herewith for your kind perusal as **Annexure - 1**.

Slag is used for filling low laying area and road construction near our plant area.

8. Coal washeries- NOT APPLICABLE

(ix) M/s Jharkhand Ispat Pvt. Ltd. (JIPL)

1. Updated factory profile (details of manufacturing process, raw material used, end product and by product.)- JIPL is a manufacturing unit of Sponge Iron, M.S. Billet and Waste Heat Recovery Boiler (WHRB) power, the annual capacity of the unit is 120000 MT Sponge Iron, 108000 MT M.S. Billets and 6 MW WHRB power.

Manufacturing Process:- The Sponge Iron unit is processing the iron ore/iron ore pellets, coal and dolomite in the Rotary Kiln. Process. involves the heating of all three raw materials in a Rotary Kiln on the required temperature, cooling and separation through Magnetic Separator. Sponge Iron separated by its magnetic property and stored in production bin.

Sponge iron productions are used in the Steel Melting Shop and M.S. Billets are produced with the help of Induction Furnace and Continuous Casting Machine. DRI Waste heat is used for the production WHRB power.

2. Distance for Factory from any Damodar River distance is about 1 Km. stream/River or Water body.

3. List of Hazardous chemical/ material used, intermediate or finished products, by - product handled and stored in your factory with storage capacity-

Raw materials: -

1) For Sponge Iron - Iron Ore/Iron Ore Pellets, Coal and Dolomite.

2) For M.S.Billets - sponge iron.--

3) For WHRB power DRI waste heat.(Captive generation-

End Product: Sponge Iron, MS Billets and Captive power.

By product: - Dolochar (Coal Char) and Slag.

4. List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

1. No.	Sl.	Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1		Coal ash (based on design parameters)	NA		
2		Effluent water(based on design parameters)	NA		
3		Transformer Oil	NA		
4		Used Industrial Oil	liquid	468	lit/ YEAR

What effective arrangements is made in your factory for the treatment of Waste and effluents.- M/s Jharkhand Ispat Pvt Ltd have four (4) numbers of Electrostatic Precipitators for each kiln, eight (8) numbers of Bag filters for transfer points of raw material & finish product, one (1) number of venturi scrubber for Induction furnace and Fifty (50) numbers of water sprinklers for minimization of dust emissions. Used industrial oils are kept in drums at specific storage location and are used captively for lubrication of different chain drives, conveyor system and rotary kiln. For domestic waste, Unit has provided septic tank with soak pit.

5. For TPP/PPP- They have Waste Heat Recovery Boiler (WHRB) where %MW electricity is generated. There is no use of coal for generating electricity as the boiler of WHRB is run by the fume of DRI Kiln. So there is no generation of ash from WHRB.

6. Whether ETPs/STPs installed or not. If installed whether it is working or not. Specify Quantity of Effluents generated per day and treated per day. Explain use or Re-use of treated water in your factory premises. If not reused whether it was discharged out side of Factory Premises or not. Please submit report with photograph & proof.

-It is a zero liquid discharge (ZLD) unit, web camera & flow meter are installed as per Central Pollution Control Board, New Delhi guideline.Hence installation of ETPs/STPs not applicable.

7. Place of dumping industrial waste and distance of such place from any stream/ river.
-Unit has installed Waste Heat Recovery Boiler (WHRB) for power generation with help of DRI waste heat. Hence there is no any generation of fly ash.

Details are given below:- No of boiler installed - 4 Capacity of boiler -10 TPH

-Industrial waste (Dolochar) are being dumped within plant premises and sold. Damodar River distance is about 1 km from the dumping site of JIPL. Not applicable.

8. Coal washeries- NOT APPLICABLE

(x) M/S BRAHMAPUTRA METALLICS LIMITED,VILLAGE – KAMTA, GOLA, RAMGARH

1. Updated factory profile (details of manufacturing process, raw material used, end product and by product.)- BML is a manufacturing unit of Sponge Iron, M.S. Billet and Waste Heat Recovery Boiler (WHRB) power, the annual capacity of the unit is 120000 MT Sponge Iron, 108000 MT M.S. Billets and 6 MW WHRB power.

Manufacturing Process:- The Sponge Iron unit is processing the iron ore/iron ore pellets, coal and dolomite in the Rotary Kiln. Process. involves the heating of all three raw materials in a Rotary Kiln on the required temperature, cooling and separation through Magnetic Separator. Sponge Iron separated by its magnetic property and stored in production bin.

Sponge iron productions are used in the Steel Melting Shop and M.S. Billets are produced with the help of Induction Furnace and Continuous Casting Machine. DRI Waste heat is used for the production WHRB power.

2. Distance for Factory from any Damodar River distance is about 1 Km. stream/River or Water body.
3. List of Hazardous chemical/ material used, intermediate or finished products, by - product handled and stored in your factory with storage capacity-

(a) List of hazardous chemicals and MSDS.

- I) Sulphuric Acid (60kg/Day)
 II) Hydrochloric Acid (150kg/monthly)
 III) Sodium Hypo Chloride (40kg/day)
 IV) Caustic flux (80kg/monthly)
 V) Ferric Alum (20kg/day)
 VI) Cooling Tower Chemicals

6. List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

Sl. No.	Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1	Fly Ash	Solid	51700	MT/YEAR
2	Bed Ash	Solid	12000	MT/YEAR
3	CT Blow down Water +DM Plant Reject water & Boiler Blow down Water	LIQUID	19250	KL/YEAR
4	D-Dust	SOLID	1200	MT/ YEAR
5	Slag Non-Mag	SOLID	24000	MT/ YEAR

7. What effective arrangements is made in your factory for the treatment of Waste and effluents.

- Fly ash & Bed ash: Making fly ash bricks. Also selling to market. Some quantities going for NHAI road constructions.

-Waste Water: They have ETP plant for treatment of all types of waste water.

- ESP : They have ESP for waste gas purification in both DRI & Power Plant.

5. For TPP/CPP- Boiler installed & electricity is generated.

Numbers of Boiler installed-02 (Two)

Description- AFBC WHRB

Capacity- (50TPH) (39 TPH)

ESP- 4 FIELD 4 FIELD

Coal Consumption: (MT/Day) 340

Fly Ash Generation: (MT/Day) 140 40

Bed Ash Generation: (MT/Day) 35

6. Whether ETPs/STPs installed or not. If installed whether it is working or not. Specify Quantity of Effluents generated per day and treated per day. Explain use or Re-use of treated water in your factory premises. If not reused whether it was discharged out side of Factory Premises or not. Please submit report with photograph & proof.

ETP CAPACITY 5m³/hr

ETP plant is used for treatment of waste water of DM Plant, cooling Tower blow down water and Boiler continuous blow down water (CBD). Treated water is reused in cooling Tower makeup & Reject water of ETP is used for sprinkling purpose.

7. Place of dumping industrial waste and distance of such place from any stream/ river.

- Making fly ash bricks. Also selling to market. Some quantities going for NHAI road constructions.

8. Coal washeries- NOT APPLICABLE

9.

xi) M/s Radha Casting and Metalik Private Limited

Factory Profile :M/s Radha Casting and Metalik Private Limited is situated at Vill Paiki, P.O Marar, Dist Ramgarh [Jharkhand] and engaged in manufacturing NAS Ingots/Billet with capacity 15000 TPA and PIG IRON 15000 TPA.

1. CTO valid upto 31.12.2024

[A copy is attached as Annexure – I]

2. Auth. Of Hazardous Waste is valid upto

31.03.2027[A copy is attached as

Annexure - II]

Manufacturing Process:

1. Manufacturing Process of NAS Ingots/Billets:An appropriate proportion of sponge iron, Pig Iron and steel scrap is weighed and charged in Induction Furnace till the desired quality of molten NAS Ingots/ Billets. With the help of Ingot mould or CCM, after cooling we get NAS Ingots/ Billets.

2. Manufacturing Process Pig Iron: The manufacturing process of pig iron involves preparation of major raw Materials such as iron ore, coke and limestone. These raw materials are charged into a Blast Furnace in layers. The Furnace is heated to extreme temperatures, causing the coke to react with the iron ore, reducing it to molten iron while limestone helps form slag. The molten iron absorbs carbon and forms PIG IRON which is tapped from the bottom of the furnace along with slag. After tapping pig iron is cooled and solidified often in moulds.

Name of Raw Material Used , End Product and Bye - Product

S/No.	Name of Raw Materials used	Name of End Products	Bye-Product
01	Sponge Iron-15000 TPA Pig Iron- 2250 TPA Iron Scrap -750 TPA	NAS Ingot/Billets- 15000TPA	NO
02	Pig Iron- 15000 TPA Iron Ore -24000 TPA Granulated Slag- 3500TPA Coke -11250TPA, Lime Stone- 1875 TPA		

- Distance of Factory from any stream/river or Water body -Around 100 meter from Damodar River.
- List of Hazardous Chemical/ material used immediate or finished products, by-product handled and stored in your factory with storage capacity.-Burnt Oil – 60 ltr per annum
- List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

1. No.	Sl. Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1	Induction Furnace Slag	solid	1400	MT/ANNUM
2	Effluent water (based on design parameters)	NA		
3	Transformer Oil	NA		
4	Burnt Oil	liquid	60	cum/ day

5. What effective arrangements is made in your factory for the treatment of Waste and effluents.

- We are maintaining zero liquid discharge in our factory premises. We have installed pollution control device with wet scrubber in the Induction Furnace. We have installed dust catcher, cyclone separator and bag filter in the blast furnace. Additionally, we have a mobile water tanker as well as 50 fixed type water sprinklers in the factory premises.

6. Place of dumping industrial waste and distance of such place from any stream/ river.

- Extracting iron from Induction Furnace Slag is used to repairing the road and filling low land area within the factory premises.
- Our unit operates as a grinding unit based on dry process, and is operating on Zero Liquid Discharge, hence no industrial effluent is generated. Burnt Oil is kept in Drum under the shed which is used in lubricating the chain drives.
- ETP/STP is not applicable to our unit.

7. For TPP/PPP- NOT APPLICABLE
8. Coal washeries- NOT APPLICABLE

xii) M/s. UltraTech Cement Limited (Patratu Cement Works)

1. Updated factory profile (details of manufacturing process, raw material used, end product and by product.)- M/s. UltraTech Cement Limited (Patratu Cement Works) operates a Standalone Cement Grinding Unit located at Industrial Area, Patratu, Ramgarh, Jharkhand - 829119. Earlier the unit was established by M/s. Burnpur Cement Limited. On dt. 29th November, 2023 it was acquired by M/s. UltraTech Cement Limited, and is now known as M/s. UltraTech Cement Limited (Unit Patratu Cement Works).

Details of Grinding Process : It is a clinker grinding unit based on dry process. The only water used is in equipment cooling, horticulture and water sprinkling on roads for control of fugitive emissions. The primary machinery utilized is a ball mill, where clinker is ground along with additives and raw materials to produce cement.

2. Distance of Factory from any stream/ River or water body-

Distance of **Factory** from any stream/ **River** Our **factory is situated** at an aerial distance of **0.84 km** or water body. from the seasonal Nalkari Nala.

3. List of Hazardous chemical/ material used, intermediate or finished products, by - product handled and stored in your factory with storage capacity-

In our clinker grinding **process**, we do not use or generate any hazardous chemicals or materials. However, very little quantity of used or spent **oil** from machinery and equipment due to the **lubrication oil** and grease used in the mill main drive is generated, which is stored in steel drums under covered shed, and sent to the authorized recycler within stipulated time as per Hazardous Waste Management Rules, **2016** of CPCB. No hazardous materials used in our clinker grinding process.

This unit is a clinker grinding unit based on dry process; no solid and liquid waste is generated in the manufacturing process of cement apart from bag filter dust which is being recycled back into the process. Moreover, a little quantity of used and spent oil generated which is being sold to JSPCB authorized recycler as per Hazardous Waste Management Rules **2016** by CPCB.

Raw material:

- a. Clinker rail (Transported through Rail)
- b. Fly Ash (By product/ waste from other industries)
- c. Slag (By product/ waste from other industries)
- d. Gypsum

The unit produces various types of cement, including PPC (Portland Pozzolana Cement), PCC (Portland Composite Cement), PSC (Portland Slag Cement) and OPC (Ordinary Portland Cement).

By Product:

The grinding process does not yield any by-products, however, it uses some by-products of other industries as raw material

4. List of Waste and effluents (gas, liquid and solid) generated during manufacturing process in below mentioned table.

Sl. No.	Types of waste (Fly Ash, Pond Ash, Effluent water, Used Transformer Oil, Used Industrial Oil etc.	State of waste (Solid, Liquid gas)	Qty. of waste	Units(MT/day, Cum/Day, KL/year)
1	Coal ash (based on design parameters)	NA		

2	Effluent water(based on design parameters)	NA		
3	Transformer Oil	NA		
4	Used Spent Oil	liquid	8	T/ YEAR

5. What effective arrangements is made in your factory for the treatment of Waste and effluents.
 - In our factory at UTCL (PACW), the only waste generated is used and spent oil, which is periodically disposed of to JSPCB authorized recycler. We do not incinerate any solid waste in the unit Chemical and Biological Treatment of Liquid Waste: No industrial effluent is generated from the Clinker grinding process as the unit is based on dry process and is operating on Zero Liquid Discharge. Moreover, the generated domestic waste water is being discharged through septic tank to soak pit and there is no liquid waste discharged outside the plant premises and ZLD condition is being maintained. iii) Provision for scrubbers, cyclone separator, electrostatic precipitators etc. We have installed bag filters at various location including ball mills, loading, unloading, packaging, and all transfer points for control of fugitive emissions as per CPCB Guidelines. These bag filters effectively collect cement dust, which is being recycled back into the grinding process.
6. Place of dumping industrial waste and distance of such place from any stream/ river.
 -Our unit operates as a grinding unit based on dry process, and is operating on Zero Liquid Discharge, hence no industrial effluent is generated from the process. Moreover, the generated domestic waste water is Liquid Discharge (ZLD), discharged through septic tank to soak pit, ensuring Zero
7. For TPP/PPP- NOT APPLICABLE
8. Coal washeries- NOT APPLICABLE

xiii) M/S Pawan Solvents & Chemicals, Kanjagi, Argada, Ramgarh.

We are manufacturing Hard coke by burning Coking coal in closed ovens.

The volatile matters of coal is burnt out and the process is self heated.

The heated coke mass is taken out and water quenching is done.

Raw material- Coking Coal

Finish product- Hard Coke

By Product- NIL

2. Apporx. 10 Kms

3. NIL

4. Gases - As per Pollution Department norms

Solid waste- NIL

Liquid waste- NIL

5. Not Applicable

6. Not Applicable

7. Not Applicable

8. Not Applicable

9. Not Applicable

10. Water required - 6KL/D

The Finished Product as well as its dust is sold. Water is recycled and used.

We are not dumping any solid waste or effluents outside our plant.

Regards

19/02/2015
Inspector of Factories,
Hazaribag Circle-1, Hazaribag

NOTE:

NGT Report from below mentioned Factories are still awaited (Reminder has been Sent):

1. M/S VANANCHAL CONCAST PRIVATE LIMITED vananchalconcastpvtltd@gmail.com
bishnubanka.bb@gmail.com
PLOT NO. 165, 166, 170 AND 180, KHATA NO. 1/2, THANA NO. 24, GOLA BOKARO ROAD,
GOLA, RAMGARH
2. M/S RAJRAPPA WASHERY PROJECT generalmanagerrjp@gmail.com
rwppcooffice@gmail.com
BHUCHUNGDIH VILLEGE, RAMGARH PROJECT,
RAJRAPPA, Ramgarh
3. M/S DAYAL FERRO ALLOYS UNIT OF DAYAL STEELS LIMITED dayalsteel@gmail.com
VILLAGE : CHAHA JAMIRA VIA CHITARPUR, RAMGARH
4. M/S DAYAL ALLOY & STEEL CASTINGS UNIT OF DAYAL STEELS LIMITED
dayalsteel@gmail.com
VILLAGE : CHAHA JAMIRA VIA CHITARPUR, RAMGARH
5. M/S KEDLA WASHERY (CCL) gmopmhazaribagh@gmail.com
6. M/S SHRIRAM POWER & STEEL PVT. LTD. shrirampower.in@gmail.com
ARA SARUBERA ROAD, NAYA MORE, NEAR NATIONAL HIGHWAY,
KUJU, RAMGARH
7. M/S YASH ALLOYS PRIVATE LIMITED yash.alloys@gmail.com
AT-KUSUMDIH, GOLA, RAMGARH
8. M/S STEEL AUTHORITY OF INDIA LIMITED SAIL REFRACTORY UNIT IFICO
rktiwari@sail.in
STEEL AUTHORITY OF INDIA LIMITED, SAIL REFRACTORY UNIT IFICO, MARAR,
Ramgarh, Ramgarh Cantt, Jharkhand,
9. M/S SHIVAY IRON AND STEEL PRIVATE LIMITED shivay.steel9800@gmail.com
PLOT NO.2316, KHATA NO.157, RAJRAPPA ROAD, RAJRAPPA ROAD, Ramgarh
, Chitarpur, Jharkhand
10. M/S RAMGARH CASTING ramgarhcasting@gmail.com
RAUTA, Ramgarh, Mandu, Jharkhand