

ANNEXURE 1 COPY OF CTE CTO

Ref.No:- T/92/ REGD. Patna, dated:- 23/3/98
 NOC under sections 25 & 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under section 21 of the Air (Prevention and Control of Pollution) Act, 1981.

Reference application no. 0551 dated 27.1.98 of M/s. Anil Kumar Goanka, Bhola Ram Steels Pvt. Ltd., Chook Patna city for setting up plant to produce 4800 MT/Y rerolled product and 2000 MT/Y process steel at plot-351 (P), 352 (F), 350 (F) and 423 (P) Khata-207, Mauze-5854, Nasriganj, Patna.

2. After Considering:-

- (i) The facts stated in their application & Project report.
- (ii) Bihar State Pollution Control Board's Notification no. 45 dated 8.11.1995.
- (iii) Provisions of related Water & Air Act.
- (iv) Check list dated 25.2.98.
- (v) The related NOC Committee decision of 27.2.98.

3. NOC in favour of the site and the project stated above is hereby accorded subject to the following conditions.

- (i) The unit shall obtain consent to operate under sections 25 & 26 of the Water Act, 1974 and section 21 of the Air Act, 1981, prior to commissioning of the plant from pollution control Board.
- (ii) The effluent (Domestic & Trade) and emission shall conform to the standard prescribed by the Board.
- (iii) The height of exhaust pipe of the L.C. Set shall be as prescribed by the C.P.C. Board and the noise level shall be within the prescribed limit.
- (iv) Minimum height of stack will be 30 meters with port hole on platform as per norms of C.P.C. Board.

.....2/-

Ref.No:- T/92/ -2- Patna, dated:- 23/3/98
 NOC (v) Solid wastes shall be adequately managed.

Pol (vi) A.A.Q. report shall be submitted immediately before commissioning of the plant and there after within two months alongwith the S.M.R.

(vii) Plantation in one meter width shall be done all around the plot within three months.

4. The Bihar State Pollution Control Board reserves the option to revise and add other conditions if necessary for protection of Environmental in general and ~~makkar~~ for Pollution Control in particular.

5. The present NOC should not be construed as an assurance for granting consent to operate the proposed plant and is subject to compliance of all the conditions noted above.

Sa/-
 (M.P. Singh)
 Member-Secretary.

Shyam/-19.3

Memo.No:- T/92/ Patna, dated:- 23/3/98
 Copy forwarded to M/s. Bhola Ram Steel (P) Ltd., 602, Ashiana Plaza 6th Floor, Budh Marg, Patna-1/ Addl. Secretary Forest & Environment Govt. of Bihar/Scientist, B.S.P.C. Board/J.K.P. Singh, Incharge Computer section for information and necessary action.

Chakraborty
 21/3/98
 (M.P. Singh)
 Member-Secretary.
 21/3/98

**BIHAR STATE POLLUTION CONTROL BOARD**Parivesh Bhawan, NSB-2, Patliputra Industrial Area
Patliputra, Patna - 800 010

Ref. No- 4406

Patna, dated- 14/12/18

EMISSION CONSENT ORDER

With reference to the application ID- 1924288, dated 04.12.2018 of M/s Bhola Ram Steels Pvt. Ltd., 301, Avkash Residencies, TNB Road, Opp. Hindi Bhawan, Dist.- Patna- 800001 for consent under sections 21 of the Air (Prevention & Control of Pollution) Act, 1981, he/they is/are granted consent to operate of his Induction Furnace having additional the existing premises **Mauza-Sikandarpur, At- Nasriganj, Danapur, Dist.- Patna- 800012** for the period upto 31.12.2023 subject to the following conditions:- (M. S. Flat, Bar & Rods, Squire - 14150 MT/Year, Electro Forged Gratings - 9200MT/Year & M.S. Ingot - 11650MT/Year)

1. That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22,23 and 31A of the Air (Prevention & Control of Pollution) Act,1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24,25 and 26 of the Act ;
2. That, he/they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; rules 4,5,7,9,10 and 11 of the Hazardous & Other Wastes (Management, Handling & Transboundary Movement) Rules, 2016; rules 4,5,7,8,10,11,12,13,15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act,1991, whichever is applicable;
3. That, he/they shall monitor his/their emission(s) and the ambient air quality from representative point regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;
4. That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e 30.11.2023 or within 30 days from the date of receipt of this order, whichever is applicable.
5. That, the unit shall operate fume extraction system regularly and maintain all pollution control system during operation of the unit.
6. That, the unit shall submit Ambient Air Quality, Stack Monitoring report and Ambient Noise Level report six monthly to the Board and the quality of emission shall be as per prescribed Standard of the Board.
7. That, they shall submit Environmental Statement of every financial year by the month of September every year.
8. That, water spraying shall be done on all pollution generating point inside the unit.
9. That, the unit shall store their solid waste/slag / ash etc separately inside the premises and use/disposed of properly.
10. That, adequate safety measures shall be provided inside the unit.
11. That, the unit shall develop tree plantation all around the campus and shall be kept maintained.
12. That, the unit shall submit compile report of E.C conditions by Six Months basis.
13. The unit shall have a display board near the site stating name of unit/industry with address/name of proprietor with address and ref memo no and date of consent with its validity period granted by the Board.

To,

Sri Ajay Kumar Goyanka
M/s Bhola Ram Steels Pvt. Ltd.
301, Avkash Residencies, TNB Road
Opp. Hindi Bhawan, Dist.- Patna- 800001


(Alok Kumar)
Member Secretary

CTO

**BIHAR STATE POLLUTION CONTROL BOARD**Parivesh Bhawan, NSB-2, Patliputra Industrial Area
Patliputra, Patna - 800 010

Ref. No- 4407

Patna, dated- 14/12/18

DISCHARGE CONSENT ORDER

With reference to the application ID- 1924288, dated 04.12.2018 of M/s Bhola Ram Steels Pvt. Ltd., 301, Avkash Residencies, TNB Road, Opp. Hindi Bhawan, Dist.- Patna- 800001 for consent to operate under sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, he/they is/are granted consent to bring into use his/their new/alterd/existing outlet(s) for discharge of trade effluent and/or domestic sewage operate his/her plant the existing premises **Mauza-Sikandarpur, At- Nasriganj, Danapur, Dist.- Patna- 800012** for the period upto 31.12.2023 subject to the following conditions:- (M. S. Flat, Bar & Rods, Squire - 14150 MT/Year, Electro Forged Gratings - 9200MT/Year & M.S. Ingot - 11650MT/Year)

1. That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24,31 and 33A of the Water (Prevention & Control of Pollution) Act,1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20,21,23,30 and 32 of the Act ;
2. That, he/they shall comply with the the provisions of the Water (Prevention and Control of Pollution) Cess Act, 1977, rule 14 of the Environment (Protection) Rules, 1986; provisions of the Hazardous & Other Wastes (Management & Transboundary Movement) rules, 2016; rules 4,5,7,8,10,11,12,13, 15,17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules,1989; and the provisions of the Public Liability Insurance Act,1991 whichever is applicable;
3. That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;
4. That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 30.11.2023 or within 30 days from the date of receipt of this order, whichever is applicable.
5. That, the cooling process water shall be kept in recirculation system if any discharge shall conform to the Board and accordingly submit analysis report annually conform in the quality as per Board's standard.
6. That, water spraying shall be regularly done inside the plant.
7. That, the unit shall submit Environmental statement of every financial year by the month of September every year and that shall conform to the standard of the Board.
8. The unit shall have a display board near the site stating name of unit/industry with address/name of proprietor with address and ref memo no and date of consent with its validity period granted by the Board.

To,

Sri Ajay Kumar Goyanka
M/s Bhola Ram Steels Pvt. Ltd.
301, Avkash Residencies, TNB Road
Opp. Hindi Bhawan, Dist.- Patna- 800001


(Alok Kumar)
Member Secretary


BIHAR STATE POLLUTION CONTROL BOARD

 Parivesh Bhawan, NSB-2, Patliputra Industrial Area
 Patliputra, Patna - 800 010

Ref. No. -

Patna, dated:-

'CONSENT-TO-ESTABLISH' (NOC)
UNDER SECTIONS 25/26 OF THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT, 1974 AND 21 OF THE AIR (PREVENTION AND CONTROL OF POLLUTION) ACT, 1981

Reference application ID. 2290905, dated: 22.01.2019 of M/s Bhola Ram Steels Pvt. Ltd., Sri Ajay Kumar Goyanka, 301, Avkash Residencies, Dist.- Patna for setting up M.S Ingot/Billet expansion programme at Khata no-196, 207, Khesra no.-350, 351, 352, 423, Mauza- Sikandarpur, At-Nasriganj, Po.- Digha, Danapur, Dist.- Patna- 800013 with Capacity expansion as details given below:-

- (i) M.S. Billet/Ingot – 11650 MT/Yr. to 28880 MT/Yr.
- (ii) M.S Section – 14150 MT/Yr. to 28850 MT/Yr.

Investment- 488.2 Lakhs

AFTER CONSIDERING:

- (i) The facts stated in their application;
- (ii) Bihar State Pollution Control Board's Notification No. 26 dated 08.11.2003;
- (iii) Provisions of the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981.

NOC IN FAVOUR OF THE PROPONENT AT THE SAID SITE IS HEREBY ACCORDED SUBJECT TO THE FOLLOWING CONDITIONS:

- (i) The proponent shall obtain 'Consent-to-Operate' under sections 25 & 26 of the Water Act, 1974 and Section 21 of the Air Act, 1981 prior to commissioning of the plant from this Board;
- (ii) The effluent (domestic or trade) and emission, if any, shall conform to the standard prescribed by the Board;
- (iii) They shall install Diesel Generator set(s) with integral acoustic enclosure as per norms of the Board and submit ANL report just after commissioning the unit.
- (iv) Green Belt shall be developed in an area equal to 33% of plant area and maintained.
- (v) They shall provide port hole and platform in the stack for monitoring of flue gas analysis as per norms and height of the stack connected with fume extraction system shall be 35 Mtrs from the Grand Level with water scrubbing system.

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BIHAR STATE POLLUTION CONTROL BOARD

 Parivesh Bhawan, NSB-2, Patliputra Industrial Area
 Patliputra, Patna - 800 010

- (vii) They shall submit ambient air quality report and stack monitoring reports to the Board just after commissioning of the unit.
- (viii) Solid waste shall be managed properly so that there shall not be any nuisance arising out of the industry.
- (ix) They shall maintain zero discharge. Cooling water shall be kept in closed circuit.
- (x) No Galvanising/Pickling/Electro Plating work shall be done without obtaining prior CTE/CTO from the Board.
- (xi) If any complain received against the unit. The unit shall shift another suitable site.
- (xii) That, the Project Authority must obtain all other statutory clearance/permission from competent authority.
- (xiii) The unit shall comply E.C. conditions.
- (Xiv) The unit shall develop pucca road inside the plant to avoid fugitive emission.
- (Xv) The unit shall develop water sprinkling system for dust separation.
- (Xvi) The unit shall have a display board near the site stating name of unit / Industry with address/name of proprietor with address and ref memo no and date of consent with its validity period granted by the Board.

NOTE:

1. Bihar State Pollution Control Board reserves the option to revise or add other conditions, if necessary, for protection of Environment in general and for Pollution Control in particular;
2. The present NOC should not be construed as an assurance for the grant of 'Consent-to-Operate' the proposed plant but shall be subject to compliance of all the conditions indicated above;
3. The NOC, granted, shall be valid for a period of one year from the date of issue.

Memo No.: 320

 Sd/
 (Alok Kumar)

Member Secretary

Patna, dated:- 02.3.19

Copy forwarded to: M/s Bhola Ram Steels Pvt. Ltd., Sri Ajay Kumar Goyanka, 301, Avkash Residencies, Dist.- Patna /RO, Patna for favour of information and necessary action.

 (Alok Kumar)
 Member Secretary

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BIHAR STATE POLLUTION CONTROL BOARD
PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,
PATLIPUTRA, Patna – 800 010

Ref. No. - 1098

Patna, dated- 22.06.23

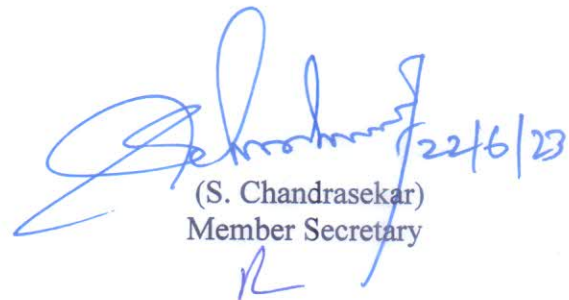
EMISSION CONSENT ORDER

With reference to the on-line application no.- 7440171 dated 23.03.2023 and all document affidavit of M/s **Bhola Ram Steels Pvt. Ltd., 301, Avkash Residencies, TNB Road, Opp. Hindi Bhawan, Dist.-Patna-800001**; for consent under sections 21 of the Air (Prevention & Control of Pollution) Act, 1981, he/they is/are granted consent to operate his/their plant for (Capacity: **M. S. Flat, Bar & Rods, Squire-28850 MT/yr, Electro Forged Gratings-9200 MT/yr & M.S. Ingot-28880 MT/yr.**), **Mauza-Sikandarpur, At-Nasriganj, Danapur, Dist.-Patna-800012**; for the period of **five years** from the date of issue; with the following conditions:-

1. That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 22, 23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and further shall extend co-operation to the Board in performing its functions entrusted under sections 24, 25 and 26 of the Act ;
2. That, he /they shall comply with the requirements of Rule 14 of the Environment (Protection) Rules, 1986; Rules 4, 5, 7, 9, 10 and 11 of the Hazardous And Other Wastes (Management and Transboundary Movement) Rules, 2016; Rules 4, 5, 7, 8, 10, 11, 12, 13, 15, 17 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991 (whichever is applicable);
3. That, he/they shall monitor his/their emission(s) and the ambient air quality from representative point regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;
4. That, he/they shall submit application for consent before 30 days before the date of expiration of the consent or within 30 days from the date of receipt of this order, whichever is applicable;
5. That, the arrangement for rainwater harvesting shall be made available in the unit's Premises;
6. That, water spraying shall be done on all pollution generating point inside the unit;
7. That, the unit shall store their solid waste/slag / ash etc separately inside the premises and use/disposed of properly;
8. That, adequate safety measures shall be provided inside the unit;
9. The unit shall construct Pucca/Paved Internal Road for transport to minimize fugitive emission.
10. That, the unit shall operate their fume extractor regularly and maintain all pollution control system during operation of the unit.
11. That, the unit shall submit Ambient Air Quality, Stack Monitoring report and Ambient Noise Level report six monthly to the Board and the quality of emission shall be as per prescribed Standard of the Board
12. That, tree plantation in vacant space of the campus shall be done to develop as green belt and to control ecology of area surrounding the unit;

13. That, the environmental statement for each financial year ending 31st Sept. in Form-V as is amended to be submitted by the proponent to the Board as prescribed in the Environment (Protection) Rules, 1986;
14. That, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;
15. That, notwithstanding any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under; and
16. That, this CTO is granted on the basis of undertaking up-loaded by the applicant and it is subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the CTO granted, shall be revoked and legal action shall be initiated.

To
Sri Ajay Kumar Goyanka,
M/s Bhola Ram Steels Pvt. Ltd.,
301, Avkash Residencies, TNB Road,
Opp. Hindi Bhawan, Dist.-Patna-800001


(S. Chandrasekar)
Member Secretary

**BIHAR STATE POLLUTION CONTROL BOARD**

PARIVESH BHAWAN, PLOT NO. NS-B/2, PALIPUTRA INDUSTRIAL AREA,
PATLIPUTRA, Patna - 800 010

Ref. No.- 1099.

Patna, dated- 22/6/23

DISCHARGE CONSENT ORDER

With reference to the on-line application no.- 7440171 dated 23.03.2023 and all document affidavit of **M/s Bhola Ram Steels Pvt. Ltd., 301, Avkash Residencies, TNB Road, Opp. Hindi Bhawan, Dist.-Patna-800001**; for consent under sections 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, he/they is/are granted consent to bring into use his/their new/alterd/existing outlet(s) for discharge of trade effluent and/or domestic sewage from (Capacity: **M. S. Flat, Bar & Rods, Squire-28850 MT/yr, Electro Forged Gratings-9200 MT/yr & M.S. Ingot-28880 MT/yr.**), **Mauza-Sikandarpur, At-Nasriganj, Danapur, Dist.-Patna-800012**; for the period of **five years** from the date of issue with the following conditions:-

- 1 That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and further shall extend co-operation to the Board in performing its functions entrusted under sections 20, 21, 23, 30 and 32 of the Act;
- 2 That, he /they shall comply with the requirements of Rule 14 of the Environment (Protection) Rules, 1986; Rules 4, 5, 7, 9, 10 and 11 of the Hazardous And Other Wastes (Management and Transboundary Movement) Rules, 2016, Rules 4, 5, 7, 8, 10, 11, 12, 13, 15 and 18 of the Manufacture, Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;
- 3 That, he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;
- 4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent or within 30 days from the date of receipt of this order, whichever is applicable.
- 5 That, the cooling process water shall be kept in recirculation system. Discharge, if any, shall conform to the standard prescribed by the Board and accordingly submit analysis report annually;
- 6 That, they shall obtain prior permission from CGWA for installation of bore well and abstraction of groundwater;
- 7 That, water spraying shall be regularly done inside the plant;
- 8 That, the environmental statement for each financial year ending 31st Sept. in Form-V as is amended to be submitted by the proponent to the Board as prescribed in the Environment (Protection) Rules, 1986;
- 9 That, in compliance of direction of the Hon'ble Supreme Court and vide Board's HQ ref no.- 2638, dated 09.07.2019, they shall make provisions for display of data outside main factory gate about quantity and quality of water discharge and air emission along with solid waste generated within the factory premises;
- 10 That, notwithstanding any thing stated above, the applicant unit shall abide by all the provisions of the environmental laws including policies and guidelines made there under; and
- 11 That, this CTO is granted on basis of undertaking up-loaded by the applicant and it is subject to the condition that in the event of any information/documents submitted by the proponent are found false or misleading at any stage, the CTO granted, shall be revoked and legal action shall be initiated.

To

Sri Ajay Kumar Goyanka,
M/s Bhola Ram Steels Pvt. Ltd.,
301, Avkash Residencies, TNB Road,
Opp. Hindi Bhawan, Dist.-Patna-800001

(S. Chandrasekar)
Member Secretary

ANNEXURE 2 COPY OF LAND DOCUMENT



IS:2062



CML - 5419971

Bhola Ram Steels Pvt. Ltd.

Works : Nasriganj, Danapur, Patna - 800 012, Ph.: 09308999073-74

Corporate Office : 404, N.P. Centre, New Dak Bunglow Road, Patna - 800 001

Ph. : 0612-2216307, Telefax : 0612-2216012

E-mail : enquiry@bholarasteels.com, Website : www.bholarasteels.com



LAND DEED DETAILS

SL.NO.	DEED NO.	DATE	THANA NO.	TAUZI NO.	KHATA NO.	KHESRA NO.	AREA
1	6209	26.09.2008	17	5854	174	414	3 KATHA
2	1198	21.02.2008	17	5854	137	416	1038.50 sqr,ft
3	5945	11.09.2008	17	5854	174	414,415	1 Katha
4	1552	06.03.2008	17	5854	174	416	7.246 Decimal
5	814	06.02.2008	17	5854	137	416	1038.50 sqr,ft
6	360	18.01.2008	17	5854	137	416	9.33 Decimal
7	7872	26.12.2007	17	5854	137	416	1038. 50 Sqr.ft
8	7847	26.12.2007	17	5854	174	414, 415	17 Katha
9	7871	26.12.2007	17	5854	134, 167	424, 425	15 Katha 10 Dhur
10	7887	27.12.2007	17	5854	133, 137	416,430,431	1 Acre 21.5 Dec.
11	1154	12.11.1997	17	5854	155,161,175	422,428,429	12 Katha 15 Dhur, 6 Katha 9 Dhur 16 Dhurki
12	1144	12.11.1997	17	5854	175	429	4 Katha 6 Dhur 8 Dhurki
13	1143	11.11.1997	17	5854	175	529	4 KATHA 6 Dhur 8 Dhurki
14	5381	03.12.1997	17	5854	161	428	1 Katha 10 Dhur
15	2434	29.12.1997	17	5854	161	428	16 Dhur
16	5371	03.12.1997	17	5854	161	428	1 Katha
17	1971	03.12.1997	17	5855	161	428,429	1 Katha 6 Dhur 13 Dhurki
18	2433	03.12.1997	17	5854	161	428	1 Katha 4 Dhur
19	5643	03.12.1997	17	5855	161,175	428,429	1 Katha 12 Dhur 1 Dhurki
20	1642	03.12.1997	17	5854	161	428	1 Katha 12.5 Dhur
21	1570	03.12.1997	17	5855	161,175	428,429	1 Katha 10 Dhur
22		30.04.1997	17	5855	161,175	428,429	14 Dhur
23		07.11.1997	17		196.207	350.351	1 Bigha 7 Katha 16 Dhurki
24		07.11.1997	17		207	351,352,423	1 Bigha 5 Katha 2 Dhur 8 Dhurki
25	9417	10.08.2016	17		129,137,207	418,419,421, 423	20 Katha 11 Dhurki

ANNEXURE 3 COPY OF FACTORY LICENSE


Government of Bihar
Factory Inspection Department
(Labour Resource Department)

L I C E N C E
Under Rules 4 to 10 of the Bihar Factories Rules, 1950 and Section 6(l)(d) of the Factories Act, 1948

Registration no. 67589-1-TN (System Reference No- FCTYREN/2019/00197) Fees Rs: 79800

Additional Payment: _____
Total Payment: 79800

Granted Licence for the calendar year: 2028 .

Name of the Factory: BHOLA RAM STEELS PVT.LTD
Address and Location: NASRIGANJ, DANAPUR, BIHAR, PATNA
Name(s) of Occupier(s): ADAR KUMAR GOYANKAR
Maximum number of workers to be employed: 250

Total installed capacity (not exceeding)

(a) In Horse Power [other than (b)]:	5000
(b) In case of Electricity Generating Station KWS:	300
(c) In case of Electricity Transforming Station KWS:	0
(d) In case of Electricity Transmitting Station KWS:	0

Dated: 31/12/2019


Office of Factory Inspector of Circle (Factory Inspector- Patna Circle - I)

Note: This Licence is Valid: Till 31st december 2028 .

Sanjay Dwivedi

ANNEXURE 4 COPY OF CGWA NOC

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

Project Name:	Bhola Ram Steels Pvt.Ltd.		
Project Address:	Dadi Maa Biscut Factory More, Nasriganj,danapur,patna-12		
Town:	Dinapur Nizamat (nagar Parishad)	Block:	Dinapur
District:	Patna	State:	Bihar
Pin Code:			
Communication Address:	Dadi Maa Biscut Factory More, Nasri Ganj,danapur,patna-12, Dinapur, Patna, Bihar - 800012		
Address of CGWB Regional Office :	Central Ground Water Board Mid Eastern Region, 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road Dak Banglow, Patna, Bihar - 800011		

1. NOC No.:		CGWA/NOC/IND/ORIG/2021/10955											
2. Application No.:		21-4/412/BR/IND/2019				3. Category: (GWRE 2017)		Safe					
4. Project Status:		Existing Project				5. NOC Type:		New					
6. Valid from:		08/01/2021				7. Valid up to:		07/01/2024					
8. Ground Water Abstraction Permitted:													
Fresh Water			Saline Water			Dewatering		Total					
m ³ /day		m ³ /year	m ³ /day		m ³ /year	m ³ /day		m ³ /year					
50.00		13200.00											
9. Details of ground water abstraction /Dewatering structures													
Total Existing No.:2						Total Proposed No.:0							
Abstraction Structure*		DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
		0	0	2	0	0	0	0	0	0	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps													
10. Ground Water Abstraction/Restoration Charges nsd (Rs.):						39600.00							
11. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.						No. of Piezometers							
DWLR - Digital Water Level Recorder						1	Manual		DWLR		DWLR With Telemetry		
						1	1		0		0		

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

ANNEXURE 5 COPY OF TOR



F. No. - SIA/3(a)/2436/2023

**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY,
BIHAR**

2nd Floor, Beltron Bhawn
Shastri Nagar

Patna - 800 023

E-mail:- seiaabihar@gmail.com

seiaa.ms.br@gmail.com

Dated:- 07/07/2023

To,

**Shri Ajay Kumar Goyanka,
Director,
M/s Bhola Ram Steels Private Limited,
301, Avkash Residencies, TNB Road,
Opposite Hindi Bhawan,
Patna, Bihar,
Pin code:- 800 001,
E-mail:- enquiry@bholaramsteels.com.**

Sub:

**Proposed Metallurgical Project at Mauza:- Sikandarpur,
Village:- Nasriganj, Tehsil:- Danapur, District:- Patna,
State:- Bihar; Area:- 6.405 Acres, by M/s Bhola Ram Steels
Private Limited [Total capacity after expansion Induction
Furnace with CCM continuous casting machine –28880
MT/Year MS Ingot / Billet, Rolling Mill – 28850 MT/Year
MS section Bar, Flat, Rod Square, Slag Crusher – 3900
TPA)] – Terms of Reference regarding.**

Ref:

1. Online Application – SIA/BR/IND1/430592/2023.
2. Scrutiny fee submission dated 06-06-2023.

3. SEAC meeting held on 10-06-2023.
4. SEIAA meeting held on 01-07-2023.

Sir,

This has reference to the online proposal submitted in the State Level Environment Impact Assessment Authority to prescribe the Terms of Reference (ToR) for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, the proponent had submitted online information in the prescribed format (Form - I) along with a Pre-feasibility Report. The details of the proposal as described in the application are as follows:

- | | |
|---|---|
| 1. <u>Online Proposal No.</u> | SIA/BR/IND1/430592/2023 |
| 2. <u>File No.:</u> | SIA/3(a)/2436/2023 |
| 3. <u>Name of the Proposal</u> | Proposed Metallurgical Project at
Mauza:- Sikandarpur, Village:-
Nasriganj, Tehsil:- Danapur,
District:- Patna, State:- Bihar;
by M/s Bhola Ram Steels Private
Limited |
| 4. <u>Category of the Proposal:</u> | Metallurgical Industries
(Ferrous & Non-Ferrous) Project.
3(a) |
| 5. <u>Project/Activity applied for</u> | Metallurgical Industries
(Ferrous & Non-Ferrous) Project |

In this regard, under the provisions of the EIA Notification, 2006 as amended, the ToR for the purpose of preparing Environment Impact Assessment report and Environment Management Plan for obtaining prior Environmental Clearance is prescribed as follows:-

A. STANDARD TERMS OF REFERENCE (TOR)

1. **Executive Summary.**

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2. Introduction.

- i. Details of the EIA Consultant including NABET accreditation.
- ii. Information about the project proponent.
- iii. Importance and benefits of the project.

3. Project Description.

- i. Cost of project and time of completion.
- ii. Products with capacities for the proposed project.
- iii. Details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- iv. List of raw materials required and their source along with mode of transportation.
- v. Other chemicals and materials required with quantities and storage capacities.
- vi. Details of Emission, effluents, solid waste, hazardous waste generation and their management.
- vii. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contractual).
- viii. Process description along with major equipments and machineries, process flow sheet (quantative) from raw material to products to be provided.
- ix. Hazard identification and details of proposed safety systems.
- x. Submit a copy of application submitted to competent authority / agency with regard to supply of PNG gas pipe line.
- xi. Expansion/modernization proposals:
 - a) Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MoEF&CC/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the

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existing Environmental Clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing existing operation of the project from SPCB shall be attached with the EIA-EMP report.

- b) In case the existing project has not obtained Environmental Clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification, 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4. Site Details.

- i. Location of the project site with description of surround covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether alternative sites were considered.
- ii. A toposheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places).
- iii. Details w.r.t. option analysis for selection of site.
- iv. Co-ordinates (lat-long) of all four corners of the site.
- v. Google map-Earth downloaded of the project site.
- vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.



- viii. Landuse break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area).
- ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area.
- x. Geological features and Geo-hydrological status of the study area shall be included.
- xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects).
- xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- xiii. R&R details in respect of land in line with state Government policy.

5. Environmental Status

- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.

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- iv. Surface water quality of nearby River (100meter upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. A detailed report shall be submitted using suitable model used to predict increase in air pollutants due to increased traffic load due to proposed project.
- xi. Detailed description of flora and fauna (terrestrial, avifauna and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xii. Socio-economic status of the study area.

6. Impact and Environment Management Plan.

- i. Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body.

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- iii. Ground water classification as per the Central Ground Water Authority and NOC from CGWB.
- iv. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- v. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- vi. Details of stack emission and action plan for control of emissions to meet standards.
- vii. Measures for fugitive emission control.
- viii. Details of hazardous waste generation and their storage, utilization and management. Copies of MoU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- ix. Proper utilization of fly ash, shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- x. An action plan for the three tier plantation to develop a green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- xi. Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.

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- xii. Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- xiii. Action plan for post-project environmental monitoring shall be submitted.
- xiv. Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with District Disaster Management Plan.

7. Occupational health

- i. Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
- ii. Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above mentioned parameters as per age, sex, duration of exposure and department wise.
- iii. Details of existing Occupational & Safety Hazards. What are the exposure levels of hazards and whether they are within Permissible Exposure level (PEL). If these are not within PEL, what measures the company has adopted to keep them within PEL so that health of the workers can be preserved,
- iv. Annual report of health status of workers with special reference to Occupational Health and Safety.

8. Corporate Environment Policy

- i. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- ii. The Project Proponent shall prepare report with the provisions contained in Ministry of Environment, Forest & Climate Change OM Vide F. No. 22-65/2017-

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IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibilities.

- iii. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA.
 - iv. What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - v. Does the company have system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report.
9. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
- 10. Enterprise Social Commitment (ESC)**
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
11. Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

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SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR METALLURGICAL INDUSTRIES (FERROUS & NON-FERROUS)

1. Complete process flow diagram describing each unit, its processes and operations, along with material and energy inputs & outputs (material and energy balance).
2. Details on blast furnace/ open hearth furnace/ basic oxygen furnace/ladle refining, casting and rolling plants etc.
3. Details on installation/activation of capacity meters with recording with proper calibration system.
4. Details on toxic metals including mercury, arsenic and fluoride emissions.
5. Details on stack height requirement for integrated steel.
6. Details on ash disposal and management -Non-ferrous metal.
7. Complete process flow diagram describing production of lead/zinc/copper/ aluminum, etc.
8. Raw materials substitution or elimination.
9. Details on smelting, thermal refining, melting, slag fuming, and Waelz kiln operation.
10. Details on Holding and de-gassing of molten metal from primary and secondary aluminum, materials pre-treatment, and from melting and smelting of secondary aluminum.
11. Details on solvent recycling.
12. Details on precious metals recovery.
13. Details on composition, generation and utilization of waste/fuel gases from coke oven plant and their utilization.
14. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
15. Trace metals Mercury, arsenic and fluoride emissions in the raw material.

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16. Trace metals in waste material especially slag.
17. Plan for trace metal recovery.
18. Trace metals in water.
19. A tabular chart with index for point wise compliance of above ToR.

Additional Condition

1. The baseline data must be collected after the monsoon season 2023.


(Sudhir Kumar)
Member-Secretary
SEIAA, Bihar





F. No. - SIA/3(a)/2436/2023

**STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY,
BIHAR**

2nd Floor, Beltron Bhawn
Shastri Nagar
Patna - 800 023
E-mail:- seiaabihar@gmail.com
seiaa.ms.br@gmail.com

Dated:- 12/01/2024

To,

**Shri Ajay Kumar Goyanka,
Director,
M/s Bhola Ram Steels Private Limited,
301, Avkash Residencies, TNB Road,
Opposite Hindi Bhawan,
Patna, Bihar,
Pin code:- 800 001,
E-mail:- enquiry@bholaramsteels.com.**

Sub:

**Proposed Metallurgical Project at Mauza:- Sikandarpur,
Village:- Nasriganj, Tehsil:- Danapur, District:- Patna,
State:- Bihar; Area:- 6.405 Acres, by M/s Bhola Ram Steels
Private Limited [Total production of MS Billet / Ingot 28880
MT/year and MS section (Bar, Flat, Rod Square) 28850 MT
Per Year] – 9200 MT/year] – Amendment in Terms of
Reference regarding.**

Ref:

1. Online Application – SIA/BR/IND/306157/2023.
2. Scrutiny fee submission dated 06-06-2023.
3. SEAC meeting held on 23-11-2023.
4. SEIAA meeting held on 07-12-2023 and 08-12-2023.

Sir,

This has reference to the online proposal submitted in the State Level Environment Impact Assessment Authority to prescribe the Terms of Reference (ToR) for

undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, the proponent had submitted online information in the prescribed format (Form - I) along with a Pre-feasibility Report. The details of the proposal as described in the application are as follows:

- | | |
|---|-----------------------------------|
| 1. <u>Online Proposal No.</u> | SIA/BR/IND/306157/2023 |
| 2. <u>File No.:</u> | SIA/3(a)/2436/2023 |
| | Proposed Metallurgical Project at |
| | Mauza:- Sikandarpur, Village:- |
| 3. <u>Name of the Proposal</u> | Nasriganj, Tehsil:- Danapur, |
| | District:- Patna, State:- Bihar; |
| | by M/s Bhola Ram Steels Private |
| | Limited |
| 4. <u>Category of the Proposal:</u> | Metallurgical Industries |
| | (Ferrous & Non-Ferrous) Project. |
| | 3(a) |
| 5. <u>Project/Activity applied for</u> | Metallurgical Industries |
| | (Ferrous & Non-Ferrous) Project |

In this regard, under the provisions of the EIA Notification, 2006 as amended, the ToR for the purpose of preparing Environment Impact Assessment report and Environment Management Plan for obtaining prior Environmental Clearance is prescribed as follows:-

1. Project Proponent may utilize the data collected earlier and exempted for public hearing.
2. The rest ToR conditions shall remain unchanged in the issued ToR dated 07.07.2023.

Sd/-
(Sudhir Kumar)
Member-Secretary
SEIAA, Bihar

Copy, through email, for information and necessary action to :-

1. Member Secretary, Bihar State Pollution Control Board, Patna.
2. Guard File.

12/11/2024
(Sudhir Kumar)
Member-Secretary
SEIAA, Bihar

ANNEXURE 5 ENVIRONMENTAL MONITORING REPORT

TEST REPORT

TEST REPORT NO : ETS/1003-1/03/2023

DATE OF REPORT : 10-06-2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA,
STATE- BIHAR.

Analysis Start Date : 05-03-2023
Analysis End Date : 30-05-2023
Sampling Done By : ETS STAFF
Sampling Location : AAQ-1 NEAR PROJECT SITE
Sampling Method : AS PER CPCB GUIDELINES
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS:5182(Pt-23)	Grav.Method	IS:5182(Pt-2)	IS:5182(Pt-6)	IS:5182(Pt-10)
Sl.N.	Monitoring Date	Sample ID	Test Results				
1	01.03.2023	ETS/SL-001	115.7	85.8	12.6	30.3	1.12
2	04.03.2023	ETS/SL-008	135.1	97.6	16.1	32.3	1.64
3	08.03.2023	ETS/SL-015	140.7	95.8	13.4	27.4	1.83
4	11.03.2023	ETS/SL-022	141.8	102.6	12.0	28.5	1.26
5	15.03.2023	ETS/SL-029	145.5	89.5	16.9	32.4	2.47
6	18.03.2023	ETS/SL-036	151.5	78.3	14.8	31.5	2.01
7	22.03.2023	ETS/SL-043	160.6	112.5	12.4	28.7	1.87
8	25.03.2023	ETS/SL-050	154.2	107.7	17.3	32.2	1.50
9	01.04.2023	ETS/SL-057	147.0	113.9	15.6	32.0	1.46
10	04.04.2023	ETS/SL-064	161.3	84.4	14.6	31.4	0.94
11	08.04.2023	ETS/SL-071	171.8	98.1	15.9	29.3	2.06
12	11.04.2023	ETS/SL-078	164.9	88.2	13.1	29.9	1.55
13	15.04.2023	ETS/SL-085	173.7	94.5	14.1	29.1	2.39
14	18.04.2023	ETS/SL-092	149.0	89.5	15.0	31.7	1.12
15	22.04.2023	ETS/SL-099	150.1	79.4	16.5	28.6	1.83
16	25.04.2023	ETS/SL-106	162.3	83.0	17.6	29.2	2.12
17	01.05.2023	ETS/SL-113	175.4	75.2	12.2	28.1	1.41
18	04.05.2023	ETS/SL-120	171.1	75.8	13.3	31.1	2.20
19	08.05.2023	ETS/SL-127	166.8	76.2	13.4	29.6	1.83
20	11.05.2023	ETS/SL-134	155.5	77.4	10.5	31.2	2.53
21	15.05.2023	ETS/SL-141	161.7	76.5	11.9	33.5	1.83
22	18.05.2023	ETS/SL-148	144.5	77.2	14.6	34.9	2.25
23	22.05.2023	ETS/SL-155	141.8	75.3	13.5	28.2	1.97
24	25.05.2023	ETS/SL-162	147.2	83.7	16.7	28.4	3.14
Minimum			115.7	75.2	10.5	27.4	0.94
Maximum			175.4	113.9	17.6	34.9	3.14
Average			153.7	88.2	14.3	30.4	1.85
98 Percentile			174.6	113.2	17.5	34.2	2.86

****End of Test Report****

FOR ENVIRO-TECH SERVICES

Page 1 of 1

For Enviro-Tech Services

Note: CHECKED BY

AUTHORIZED SIGNATORY
Lab In-charge

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
2. The results indicated only refer to the tested samples and listed applicable parameters.
3. No complaint will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

TEST REPORT

TEST REPORT NO : ETS/1003-2/03/2023

DATE OF REPORT : 10-06-2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Analysis Start Date : 07-03-2023
Analysis End Date : 30-05-2023
Sampling Done By : ETS STAFF
Sampling Location : AAQ-2 MITHILA COLONY
Sampling Method : AS PER CPCB GUIDELINES
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO ₂)	Nitrogen Dioxide(NO ₂)	Carbon Monoxide(CO)
Unit			µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS:5182(Pt-23)	Grav.Method	IS:5182(Pt-2)	IS:5182(Pt-6)	IS:5182(Pt-10)
S.I.N.	Monitoring Date	Sample ID	Test Results				
1	03.03.2023	ETS/SL-002	151.1	88.0	11.8	32.7	3.90
2	06.03.2023	ETS/SL-009	158.1	92.1	15.1	28.1	3.27
3	10.03.2023	ETS/SL-016	153.9	100.1	12.6	23.8	3.12
4	13.03.2023	ETS/SL-023	155.3	87.4	11.3	24.9	3.27
5	17.03.2023	ETS/SL-030	148.8	87.9	16.0	28.2	1.05
6	20.03.2023	ETS/SL-037	147.0	88.5	14.0	27.5	1.24
7	24.03.2023	ETS/SL-044	148.2	89.9	11.6	25.0	1.56
8	27.03.2023	ETS/SL-051	107.7	88.8	16.3	28.0	2.02
9	03.04.2023	ETS/SL-058	152.6	89.6	14.7	27.8	2.80
10	06.04.2023	ETS/SL-065	153.6	87.4	13.7	27.4	3.27
11	10.04.2023	ETS/SL-072	186.2	87.6	15.0	25.6	3.90
12	13.04.2023	ETS/SL-079	191.0	107.1	12.3	26.1	4.36
13	17.04.2023	ETS/SL-086	177.3	115.4	13.3	25.3	3.27
14	20.04.2023	ETS/SL-093	168.4	105.6	14.3	27.6	1.41
15	24.04.2023	ETS/SL-100	162.6	95.6	15.5	25.0	2.02
16	27.04.2023	ETS/SL-107	186.6	100.2	16.6	25.4	2.80
17	03.05.2023	ETS/SL-114	193.0	116.8	11.5	24.5	1.56
18	06.05.2023	ETS/SL-121	158.4	113.2	12.5	27.1	3.58
19	10.05.2023	ETS/SL-128	174.4	101.0	15.5	25.8	2.34
20	13.05.2023	ETS/SL-135	171.2	105.6	12.0	27.2	1.87
21	17.05.2023	ETS/SL-142	152.1	97.9	11.2	29.3	3.27
22	20.05.2023	ETS/SL-149	191.7	90.7	13.7	30.4	2.80
23	24.05.2023	ETS/SL-156	177.1	108.6	12.8	24.6	3.90
24	27.05.2023	ETS/SL-163	152.5	104.6	15.8	24.8	4.21
Minimum			107.7	87.4	11.2	23.8	1.05
Maximum			193.0	116.8	16.6	32.7	4.36
Average			163.3	97.9	13.7	26.8	2.78
98 Percentile			192.4	116.1	16.5	31.6	4.29

****End of Test Report****

For Enviro-Tech Services

FOR ENVIRO-TECH SERVICES

Noted: CHECKED BY

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Pushkar Mittal
AUTHORIZED SIGNATORY
Lab in-charge

TEST REPORT

TEST REPORT NO : ETS/1003-3/03/2023

DATE OF REPORT : 10-06-2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Analysis Start Date : 05-03-2023
Analysis End Date : 30-05-2023
Sampling Done By : ETS STAFF
Sampling Location : AAQ-3 TAKIYAPAR DANAPUR
Sampling Method : AS PER CPCB GUIDELINES
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS:5182(Pt-23)	Grav.Method	IS:5182(Pt-2)	IS:5182(Pt-6)	IS:5182(Pt-10)
S.I.N.	Monitoring Date	Sample ID	Test Results				
1	01.03.2023	ETS/SL-003	142.1	84.3	11.5	25.6	5.70
2	04.03.2023	ETS/SL-010	128.6	96.0	14.7	27.3	1.57
3	08.03.2023	ETS/SL-017	144.7	94.2	12.3	23.2	2.70
4	11.03.2023	ETS/SL-024	146.0	100.8	11.0	24.1	2.02
5	15.03.2023	ETS/SL-031	140.0	88.0	15.5	27.4	2.04
6	18.03.2023	ETS/SL-038	138.3	76.9	13.5	26.6	3.15
7	22.03.2023	ETS/SL-045	139.3	110.6	11.3	24.3	2.64
8	25.03.2023	ETS/SL-052	143.0	105.9	15.8	27.2	3.90
9	01.04.2023	ETS/SL-059	143.5	112.0	14.3	27.0	3.07
10	04.04.2023	ETS/SL-066	144.5	83.0	13.4	26.6	4.27
11	08.04.2023	ETS/SL-073	158.5	96.4	14.7	24.8	1.80
12	11.04.2023	ETS/SL-080	168.9	86.7	12.0	25.3	2.25
13	15.04.2023	ETS/SL-087	162.1	92.9	12.9	24.6	3.60
14	18.04.2023	ETS/SL-094	170.7	88.1	13.8	26.8	1.80
15	22.04.2023	ETS/SL-101	146.5	78.0	15.0	24.2	2.92
16	25.04.2023	ETS/SL-108	147.5	81.6	16.2	24.6	4.05
17	01.05.2023	ETS/SL-115	177.5	73.9	11.2	23.8	2.25
18	04.05.2023	ETS/SL-122	172.4	74.5	12.1	26.3	2.47
19	08.05.2023	ETS/SL-129	181.8	74.9	12.3	25.1	2.70
20	11.05.2023	ETS/SL-136	163.9	76.2	9.7	26.4	3.82
21	15.05.2023	ETS/SL-143	152.9	75.2	10.8	28.4	2.70
22	18.05.2023	ETS/SL-150	148.0	75.9	13.4	29.5	3.82
23	22.05.2023	ETS/SL-157	159.8	74.0	12.6	23.8	2.92
24	25.05.2023	ETS/SL-164	158.9	74.2	15.3	24.0	2.55
Minimum			128.6	73.9	9.7	23.2	1.57
Maximum			181.8	112.0	16.2	29.5	5.70
Average			153.3	86.4	13.1	25.7	2.95
98 Percentile			179.8	111.3	16.0	29.0	5.04

****End of Test Report****



ENVIRO-TECH SERVICES

An Analytical Laboratory

(A GOVERNMENT APPROVED LAB)



ISO 45001

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO : ETS/1003-4/03/2023

DATE OF REPORT : 10-06-2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Analysis Start Date : 07-03-2023
Analysis End Date : 30-05-2023
Sampling Done By : ETS STAFF
Sampling Location : AAQ-4 RUKANPURA
Sampling Method : AS PER CPCB GUIDELINES
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS:5182(Pt-23)	Grav.Method	IS:5182(Pt-2)	IS:5182(Pt-6)	IS:5182(Pt-10)
Sl.N.	Monitoring Date	Sample ID	Test Results				
1	03.03.2023	ETS/SL-004	130.1	67.5	12.3	31.5	1.40
2	06.03.2023	ETS/SL-011	128.8	70.7	15.8	33.6	1.25
3	10.03.2023	ETS/SL-018	134.9	76.8	13.2	28.4	1.12
4	13.03.2023	ETS/SL-025	131.2	67.1	11.9	29.6	2.31
5	17.03.2023	ETS/SL-032	132.4	67.5	16.7	33.7	1.65
6	20.03.2023	ETS/SL-039	126.9	68.0	14.7	32.7	2.64
7	24.03.2023	ETS/SL-046	125.4	69.0	12.3	29.7	3.30
8	27.03.2023	ETS/SL-053	126.4	68.2	17.1	33.5	4.29
9	03.04.2023	ETS/SL-060	129.6	68.8	15.4	33.2	3.96
10	06.04.2023	ETS/SL-067	130.1	67.2	14.5	32.6	2.97
11	10.04.2023	ETS/SL-074	131.0	67.3	15.8	30.4	0.99
12	13.04.2023	ETS/SL-081	158.8	82.2	12.8	31.1	1.65
13	17.04.2023	ETS/SL-088	162.9	88.5	13.9	30.1	2.64
14	20.04.2023	ETS/SL-095	151.3	81.1	15.0	32.9	3.96
15	24.04.2023	ETS/SL-102	143.6	73.4	16.1	29.7	3.63
16	27.04.2023	ETS/SL-109	138.7	76.9	17.4	30.2	2.97
17	03.05.2023	ETS/SL-116	159.1	89.6	12.1	29.3	3.30
18	06.05.2023	ETS/SL-123	164.6	88.4	13.0	32.3	3.63
19	10.05.2023	ETS/SL-130	135.1	77.6	13.2	30.8	3.30
20	13.05.2023	ETS/SL-137	148.7	81.1	19.0	32.4	1.32
21	17.05.2023	ETS/SL-144	146.0	75.2	11.7	34.8	2.64
22	20.05.2023	ETS/SL-151	129.7	69.6	14.5	36.2	3.63
23	24.05.2023	ETS/SL-158	163.5	83.4	13.4	29.4	3.96
24	27.05.2023	ETS/SL-165	151.1	80.3	16.5	38.8	3.30
Minimum			125.4	67.1	11.7	28.4	0.99
Maximum			164.6	89.6	19.0	38.8	4.29
Average			140.8	75.2	14.5	32.0	2.74
98 Percentile			164.1	89.1	18.3	37.6	4.14

****End of Test Report****

Page 1 of 1

FOR ENVIRO-TECH SERVICES

Note: CHECKED BY

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3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

For Enviro-Tech Services

AUTHORIZED SIGNATORY

Lab In-charge



ENVIRO-TECH SERVICES

An Analytical Laboratory

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ISO 45001

TEST REPORT

TEST REPORT NO : ETS/1003-5/03/2023

DATE OF REPORT : 10-06-2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Analysis Start Date : 05-03-2023
Analysis End Date : 30-05-2023
Sampling Done By : ETS STAFF
Sampling Location : AAQ-5 NASRIGANJ
Sampling Method : AS PER CPCB GUIDELINES
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS:5182(Pt-23)	Grav.Method	IS:5182(Pt-2)	IS:5182(Pt-6)	IS:5182(Pt-10)
Sl.N.	Monitoring Date	Sample ID	Test Results				
1	01.03.2023	ETS/SL-005	143.1	74.3	13.1	33.4	1.07
2	04.03.2023	ETS/SL-012	141.8	77.8	16.7	33.8	2.59
3	08.03.2023	ETS/SL-019	148.4	84.5	14.0	28.7	2.46
4	11.03.2023	ETS/SL-026	144.4	73.8	12.6	29.8	2.55
5	15.03.2023	ETS/SL-033	145.7	74.2	17.6	34.0	0.79
6	18.03.2023	ETS/SL-040	139.6	74.8	15.6	33.0	0.99
7	22.03.2023	ETS/SL-047	137.9	75.9	13.1	29.9	1.23
8	25.03.2023	ETS/SL-054	112.7	75.0	18.1	33.7	1.60
9	01.04.2023	ETS/SL-061	120.6	75.6	16.3	33.5	2.22
10	04.04.2023	ETS/SL-068	143.2	73.9	15.4	32.9	2.59
11	08.04.2023	ETS/SL-075	144.1	74.0	16.7	30.7	1.32
12	11.04.2023	ETS/SL-082	174.6	90.4	13.6	31.3	2.45
13	15.04.2023	ETS/SL-089	178.2	97.4	14.8	30.4	2.56
14	18.04.2023	ETS/SL-096	166.4	89.2	16.0	33.1	1.11
15	22.04.2023	ETS/SL-103	157.9	80.8	17.2	29.9	1.60
16	25.04.2023	ETS/SL-110	152.6	84.6	18.5	30.5	2.22
17	01.05.2023	ETS/SL-117	175.1	98.6	12.8	29.5	1.23
18	04.05.2023	ETS/SL-124	170.4	97.2	13.8	32.5	1.95
19	08.05.2023	ETS/SL-131	148.7	85.3	14.0	31.0	1.85
20	11.05.2023	ETS/SL-138	163.6	89.2	17.5	32.6	1.48
21	15.05.2023	ETS/SL-145	160.6	82.7	12.5	35.2	2.46
22	18.05.2023	ETS/SL-152	142.7	76.6	15.4	36.5	2.22
23	22.05.2023	ETS/SL-159	171.6	91.8	14.2	29.6	1.32
24	25.05.2023	ETS/SL-166	166.2	88.3	17.5	34.1	2.45
Minimum			112.7	73.8	12.5	28.7	0.79
Maximum			178.2	98.6	18.5	36.5	2.59
Average			152.1	82.7	15.3	32.1	1.85
98 Percentile			176.8	98.0	18.3	35.9	2.59

****End of Test Report****

For Enviro-Tech Services

AUTHORIZED SIGNATORY

Lab In-charge

FOR ENVIRO-TECH SERVICES

NOTED BY

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO : ETS/1003-6/03/2023

DATE OF REPORT : 10-06-2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Analysis Start Date : 07-03-2023
Analysis End Date : 30-05-2023
Sampling Done By : ETS STAFF
Sampling Location : AAQ-6 HANUMAN NAGAR, DANAPUR
Sampling Method : AS PER CPCB GUIDELINES
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS:5182(Pt-23)	Grav.Method	IS:5182(Pt-2)	IS:5182(Pt-6)	IS:5182(Pt-10)
Sl.N.	Monitoring Date	Sample ID	Test Results				
1	03.03.2023	ETS/SL-006	173.6	84.7	10.3	28.8	1.35
2	06.03.2023	ETS/SL-013	172.6	88.6	13.0	30.7	0.72
3	10.03.2023	ETS/SL-020	154.3	80.3	10.9	26.1	2.09
4	13.03.2023	ETS/SL-027	154.8	80.8	9.8	27.2	1.35
5	17.03.2023	ETS/SL-034	157.1	81.3	13.8	30.8	1.20
6	20.03.2023	ETS/SL-041	158.5	82.7	12.1	30.0	2.41
7	24.03.2023	ETS/SL-048	152.0	81.7	10.1	27.2	2.08
8	27.03.2023	ETS/SL-055	130.6	82.3	14.2	30.6	1.55
9	03.04.2023	ETS/SL-062	151.3	80.4	12.6	30.4	2.28
10	06.04.2023	ETS/SL-069	155.3	80.5	11.9	29.9	2.33
11	10.04.2023	ETS/SL-076	155.9	91.6	13.0	27.9	2.58
12	13.04.2023	ETS/SL-083	156.8	104.3	10.5	28.5	1.80
13	17.04.2023	ETS/SL-090	172.1	102.3	11.5	27.7	0.93
14	20.04.2023	ETS/SL-097	183.4	109.5	12.4	30.2	1.20
15	24.04.2023	ETS/SL-104	176.0	95.5	13.3	27.2	1.94
16	27.04.2023	ETS/SL-111	185.4	83.5	14.3	27.8	0.93
17	03.05.2023	ETS/SL-118	159.0	120.0	9.9	26.8	1.50
18	06.05.2023	ETS/SL-125	160.2	115.0	10.7	29.6	1.94
19	10.05.2023	ETS/SL-132	192.7	121.5	10.9	28.3	2.09
20	13.05.2023	ETS/SL-139	187.2	90.1	10.3	29.8	3.78
21	17.05.2023	ETS/SL-146	215.1	104.7	9.6	31.9	2.09
22	20.05.2023	ETS/SL-153	178.0	94.1	11.9	33.3	2.26
23	24.05.2023	ETS/SL-160	166.0	100.9	11.0	26.9	2.24
24	27.05.2023	ETS/SL-167	160.7	95.6	13.7	30.7	1.23
Minimum			130.6	80.3	9.6	26.1	0.72
Maximum			215.1	121.5	14.3	33.3	3.78
Average			167.0	93.8	11.7	29.1	1.83
98 Percentile			204.8	120.8	14.2	32.7	3.23

****End of Test Report****

For Enviro-Tech Services

Page 1 of 1

FOR ENVIRO-TECH SERVICES

Note: CHECKED BY

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6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

AUTHORIZED SIGNATORY

TEST REPORT

TEST REPORT NO : ETS/1003-7/03/2023

DATE OF REPORT : 10-06-2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Analysis Start Date : 05-03-2023

Analysis End Date : 30-05-2023

Sampling Done By : ETS STAFF

Sampling Location : AAQ-7 PATLIPUTRA COLONY

Sampling Method : AS PER CPCB GUIDELINES

Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)

Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS:5182(Pt-23)	Grav.Method	IS:5182(Pt-2)	IS:5182(Pt-6)	IS:5182(Pt-10)
Sl.N.	Monitoring Date	Sample ID	Test Results				
1	01.03.2023	ETS/SL-007	174.9	91.7	10.4	31.5	0.86
2	04.03.2023	ETS/SL-014	158.7	95.9	13.2	25.4	0.96
3	08.03.2023	ETS/SL-021	178.2	104.3	11.1	28.4	0.87
4	11.03.2023	ETS/SL-028	179.7	91.3	13.1	29.7	0.98
5	15.03.2023	ETS/SL-035	172.3	91.6	14.0	33.7	0.85
6	18.03.2023	ETS/SL-042	170.2	92.3	12.2	32.8	1.12
7	22.03.2023	ETS/SL-049	171.5	93.7	10.2	29.8	1.32
8	25.03.2023	ETS/SL-056	176.0	92.5	14.3	33.5	1.24
9	01.04.2023	ETS/SL-063	176.7	93.3	12.9	33.2	1.03
10	04.04.2023	ETS/SL-070	177.8	91.6	12.1	32.6	1.35
11	08.04.2023	ETS/SL-077	215.6	91.3	13.1	30.5	1.44
12	11.04.2023	ETS/SL-084	221.1	111.6	15.1	31.2	1.50
13	15.04.2023	ETS/SL-091	205.2	120.2	11.7	30.1	1.02
14	18.04.2023	ETS/SL-098	194.9	110.0	12.5	33.0	0.98
15	22.04.2023	ETS/SL-105	188.3	99.6	13.6	29.8	1.19
16	25.04.2023	ETS/SL-112	116.4	76.3	14.6	30.3	2.64
17	01.05.2023	ETS/SL-119	223.5	121.7	10.1	29.2	1.76
18	04.05.2023	ETS/SL-126	183.3	117.9	11.0	32.3	3.11
19	08.05.2023	ETS/SL-133	201.9	105.2	11.1	30.9	2.67
20	11.05.2023	ETS/SL-140	198.2	110.1	10.5	32.4	1.30
21	15.05.2023	ETS/SL-147	225.7	141.6	10.0	34.9	2.43
22	18.05.2023	ETS/SL-154	134.1	68.2	12.1	36.3	1.08
23	22.05.2023	ETS/SL-161	205.1	113.1	11.3	37.2	3.00
24	25.05.2023	ETS/SL-168	176.6	109.0	13.9	29.6	1.96
Minimum			116.4	68.2	10.0	25.4	0.85
Maximum			225.7	141.6	15.1	37.2	3.11
Average			184.4	101.4	12.2	31.6	1.53
98 Percentile			224.7	132.4	14.9	36.8	3.06

****End of Test Report****

For Enviro-Tech Services

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AUTHORIZED SIGNATORY
Lab in-charge

FOR ENVIRO-TECH SERVICES

NOTED & CHECKED BY

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TEST REPORT

TEST REPORT NO : ETS/1003-8/03/2023

DATE OF REPORT : 10-06-2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Analysis Start Date : 07-03-2023
Analysis End Date : 30-05-2023
Sampling Done By : ETS STAFF
Sampling Location : AAQ-8 LEKHA NAGAR, DANAPUR
Sampling Method : AS PER CPCB GUIDELINES
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO ₂)	Nitrogen Dioxide(NO ₂)	Carbon Monoxide(CO)
Unit			µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS:5182(Pt-23)	Grav.Method	IS:5182(Pt-2)	IS:5182(Pt-6)	IS:5182(Pt-10)
Sl.N.	Monitoring Date	Sample ID	Test Results				
1	03.03.2023	ETS/SL-008	202.1	106.0	11.5	38.9	1.80
2	06.03.2023	ETS/SL-015	183.4	110.9	14.7	31.3	2.62
3	10.03.2023	ETS/SL-022	205.9	120.5	12.3	35.1	2.92
4	13.03.2023	ETS/SL-030	207.7	105.5	14.5	36.7	2.02
5	17.03.2023	ETS/SL-036	199.1	105.9	15.6	41.6	3.96
6	20.03.2023	ETS/SL-043	196.7	106.6	13.6	40.5	3.22
7	24.03.2023	ETS/SL-050	198.2	108.3	11.3	36.8	3.00
8	27.03.2023	ETS/SL-057	203.3	106.9	15.9	41.3	2.40
9	03.04.2023	ETS/SL-064	204.2	107.8	14.3	41.0	2.34
10	06.04.2023	ETS/SL-071	205.5	105.9	13.4	40.3	1.50
11	10.04.2023	ETS/SL-078	249.1	105.5	14.6	37.7	3.30
12	13.04.2023	ETS/SL-085	255.5	129.0	16.8	38.5	2.47
13	17.04.2023	ETS/SL-092	237.1	138.9	13.0	37.2	3.82
14	20.04.2023	ETS/SL-099	225.3	127.1	13.9	40.7	1.80
15	24.04.2023	ETS/SL-106	217.6	115.1	15.1	36.8	2.92
16	27.04.2023	ETS/SL-113	249.6	120.6	16.2	37.4	3.40
17	03.05.2023	ETS/SL-120	258.2	140.6	11.2	36.1	2.25
18	06.05.2023	ETS/SL-127	211.8	136.2	12.2	39.9	3.52
19	10.05.2023	ETS/SL-134	233.3	121.6	12.3	38.1	2.92
20	13.05.2023	ETS/SL-141	229.0	127.2	11.7	40.0	4.05
21	17.05.2023	ETS/SL-148	260.8	163.6	11.1	43.1	2.92
22	20.05.2023	ETS/SL-155	256.5	168.3	13.4	44.8	3.60
23	24.05.2023	ETS/SL-162	237.0	130.7	12.5	45.9	3.15
24	27.05.2023	ETS/SL-167	108.4	75.8	15.4	36.5	5.02
Minimum			108.4	75.8	11.1	31.3	1.50
Maximum			260.8	168.3	16.8	45.9	5.02
Average			218.1	120.2	13.6	39.0	2.96
98 Percentile			259.6	166.1	16.5	45.4	4.58

****End of Test Report****

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TEST REPORT

TEST REPORT NO : ETS/1003-9/05/2023

DATE OF REPORT : 10-06-2023

NOISE MONITORING REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA,
STATE- BIHAR.

Date of Monitoring : 15-05-2023

Monitoring Start Date : 15-05-2023

Monitoring End Date : 16-05-2023

Monitoring Done By : ETS STAFF

Monitoring Duration : 24.0 HOURS

Place Of Monitoring : NQ-1 NEAR PROJECT SITE

Category Of Area : INDUSTRIAL AREA

Sampling Method : ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1.	Noise Level Day Time	Leq :dB (A)	66.5	75	IS: 9989
2.	Noise Level Night Time	Leq :dB (A)	52.3	70	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

****End of Test Report****



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[Signature]
Pushkar Mittal
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TEST REPORT

TEST REPORT NO : ETS/1003-10/05/2023

DATE OF REPORT : 10-06-2023

NOISE MONITORING REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Monitoring : 15-05-2023

Monitoring Start Date : 15-05-2023

Monitoring End Date : 16-05-2023

Monitoring Done By : ETS STAFF

Monitoring Duration : 24.0 HOURS

Place Of Monitoring : NQ-2 MITHILA COLONY

Category Of Area : RESIDENTIAL AREA

Sampling Method : ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1.	Noise Level Day Time	Leq :dB (A)	50.5	55	IS: 9989
2.	Noise Level Night Time	Leq :dB (A)	42.3	45	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.
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****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-11/05/2023

DATE OF REPORT : 10-06-2023

NOISE MONITORING REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Monitoring : 18-05-2023

Monitoring Start Date : 18-05-2023

Monitoring End Date : 19-05-2023

Monitoring Done By : ETS STAFF

Monitoring Duration : 24.0 HOURS

Place Of Monitoring : NQ-3 TAKIYAPAR, DANAPUR

Category Of Area : RESIDENTIAL AREA

Sampling Method : ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1.	Noise Level Day Time	Leq :dB (A)	52.6	55	IS: 9989
2.	Noise Level Night Time	Leq :dB (A)	38.1	45	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.

Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-12/05/2023

DATE OF REPORT : 10-06-2023

NOISE MONITORING REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Monitoring : 18-05-2023

Monitoring Start Date : 18-05-2023

Monitoring End Date : 19-05-2023

Monitoring Done By : ETS STAFF

Monitoring Duration : 24.0 HOURS

Place Of Monitoring : NQ-4 RUKANPURA

Category Of Area : RESIDENTIAL AREA

Sampling Method : ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1.	Noise Level Day Time	Leq :dB (A)	48.3	55	IS: 9989
2.	Noise Level Night Time	Leq :dB (A)	35.7	45	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-13/05/2023

DATE OF REPORT : 10-06-2023

NOISE MONITORING REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Monitoring : 20-05-2023

Monitoring Start Date : 20-05-2023

Monitoring End Date : 21-05-2023

Monitoring Done By : ETS STAFF

Monitoring Duration : 24.0 HOURS

Place Of Monitoring : NQ-5 NASRIGANJ

Category Of Area : RESIDENTIAL AREA

Sampling Method : ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1.	Noise Level Day Time	Leq :dB (A)	46.5	55	IS: 9989
2.	Noise Level Night Time	Leq :dB (A)	37.7	45	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.

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****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-14/05/2023

DATE OF REPORT : 10-06-2023

NOISE MONITORING REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Monitoring : 24-05-2023

Monitoring Start Date : 24-05-2023

Monitoring End Date : 25-05-2023

Monitoring Done By : ETS STAFF

Monitoring Duration : 24.0 HOURS

Place Of Monitoring : NQ-6 HANUMAN NAGAR, DANAPUR

Category Of Area : RESIDENTIAL AREA

Sampling Method : ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1.	Noise Level Day Time	Leq :dB (A)	52.4	55	IS: 9989
2.	Noise Level Night Time	Leq :dB (A)	36.5	45	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.

Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-15/05/2023

DATE OF REPORT : 10-06-2023

NOISE MONITORING REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Monitoring : 25-05-2023

Monitoring Start Date : 25-05-2023

Monitoring End Date : 26-05-2023

Monitoring Done By : ETS STAFF

Monitoring Duration : 24.0 HOURS

Place Of Monitoring : NQ-7 PATLIPUTRA COLONY

Category Of Area : RESIDENTIAL AREA

Sampling Method : ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1.	Noise Level Day Time	Leq :dB (A)	47.6	55	IS: 9989
2.	Noise Level Night Time	Leq :dB (A)	34.1	45	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.

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****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-16/05/2023

DATE OF REPORT : 10-06-2023

NOISE MONITORING REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Monitoring : 25-05-2023

Monitoring Start Date : 25-05-2023

Monitoring End Date : 26-05-2023

Monitoring Done By : ETS STAFF

Monitoring Duration : 24.0 HOURS

Place Of Monitoring : NQ-8 LEKHA NAGAR, DANAPUR

Category Of Area : RESIDENTIAL AREA

Sampling Method : ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1.	Noise Level Day Time	Leq :dB (A)	51.8	55	IS: 9989
2.	Noise Level Night Time	Leq :dB (A)	40.1	45	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.
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****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-17/05/2023

DATE OF REPORT : 10-06-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 20-05-2023

Analysis Start Date : 23-05-2023

Analysis End Date : 25-05-2023

Sample ID No : ETS/SL-1003-17

Sampling Done By : ETS STAFF

Sampling & Testing Method : ETS/LAB/SOIL-01

Sampling Location : SQ-1 PROJECT SITE

Sampling Quantity : 2 kg.

Packing Condition : SEALED

Packed In : ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
1.	Texture	---	Sandy Clay Loam	IS:2720 (Pt-4)
2.	Sand	%	55.5	IS:2720 (Pt-4)
3.	Silt	%	34.4	IS:2720 (Pt-4)
4.	Clay	%	10.1	IS:2720 (Pt-4)
5.	pH (1:2 Suspension)	--	7.55	IS:2720 (Pt-26)
6.	Cation Exchange Capacity(CEC)	meq/100	36.6	IS:2720 (Pt-24)
7.	Electrical Conductivity (1:2)	µmho/cm	350.0	IS:14767
8.	Water Holding Capacity(WHC)	%	43.1	IS 2720 (Part-2)
9.	Sodium (Na)	mg/kg	149.9	APHA-3055B
10.	Calcium (Ca)	mg/kg	1142.5	IS 2720 (Part-23)
11.	Magnesium (Mg)	mg/kg	582.4	ETS/STP/SOIL-08
12.	Bulk Density	g/cm ³	1.36	IS 2386 (Part-4)
13.	Total Nitrogen (N)	mg/kg	175.3	APHA, Pt 4500:(N)
14.	Phosphorus (PO ₄)	mg/kg	62.2	ETS/STP/SOIL-19
15.	Potassium (K)	mg/kg	274.3	APHA-3055B
16.	Organic Matter	%	1.08	IS : 2720 (P-22)
17.	Organic Carbon	%	2.14	BS 1377 -3)
18.	Sulphate as (SO ₄)	mg/kg	2.37	IS:3025(P-24)
19.	Porosity	%	27.3	IS 13030

****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-18/05/2023

DATE OF REPORT : 10-06-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 20-05-2023

Analysis Start Date : 23-05-2023

Analysis End Date : 25-05-2023

Sample ID No : ETS/SL-1003-18

Sampling Done By : ETS STAFF

Sampling& Testing Method : ETS/LAB/SOIL-01

Sampling Location : SQ-2 HANUMAN NAGAR, DANAPUR

Sampling Quantity : 2 kg.

Packing Condition : SEALED

Packed In : ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
1.	Texture	...	Sandy Clay Loam	IS:2720 (Pt-4)
2.	Sand	%	62.3	IS:2720 (Pt-4)
3.	Silt	%	18.3	IS:2720 (Pt-4)
4.	Clay	%	19.4	IS:2720 (Pt-4)
5.	pH (1:2 Suspension)	..	8.18	IS:2720 (Pt-26)
6.	Cation Exchange Capacity(CEC)	meq/100	30.5	IS:2720 (Pt-24)
7.	Electrical Conductivity (1:2)	µmho/cm	330.9	IS:14767
8.	Water Holding Capacity(WHC)	%	40.8	IS 2720 (Part-2)
9.	Sodium (Na)	mg/kg	157.9	APHA-3055B
10.	Calcium (Ca)	mg/kg	1033.4	IS 2720 (Part-23)
11.	Magnesium (Mg)	mg/kg	538.0	ETS/STP/SOIL-08
12.	Bulk Density	g/cm ³	1.66	IS 2386 (Part-4)
13.	Total Nitrogen (N)	mg/kg	183.0	APHA,Pt 4500:(N)
14.	Phosphorus (PO ₄)	mg/kg	55.2	ETS/STP/SOIL-19
15.	Potassium (K)	mg/kg	295.3	APHA-3055B
16.	Organic Matter	%	1.17	IS : 2720 (P-22)
17.	Organic Carbon	%	2.70	BS 1377 -3)
18.	Sulphate as (SO ₄)	mg/kg	1.63	IS:3025(P-24)
19.	Porosity	%	25.3	IS 13030

****End of Test Report****

For Enviro-Tech Services

Page 1 of 1



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Note:-

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ENVIRO-TECH SERVICES

An Analytical Laboratory



ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

TEST REPORT NO : ETS/1003-19/05/2023

DATE OF REPORT : 10-06-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 20-05-2023

Analysis Start Date : 23-05-2023

Analysis End Date : 25-05-2023

Sample ID No : ETS/SL-1003-19

Sampling Done By : ETS STAFF

Sampling & Testing Method : ETS/LAB/SOIL-01

Sampling Location : SQ-3 PATLIPUTRA COLONY

Sampling Quantity : 2 kg.

Packing Condition : SEALED

Packed In : ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
1.	Texture	...	Sandy Clay Loam	IS:2720 (Pt-4)
2.	Sand	%	50.1	IS:2720 (Pt-4)
3.	Silt	%	26.1	IS:2720 (Pt-4)
4.	Clay	%	23.8	IS:2720 (Pt-4)
5.	pH (1:2 Suspension)	..	7.21	IS:2720 (Pt-26)
6.	Cation Exchange Capacity(CEC)	meq/100	35.0	IS:2720 (Pt-24)
7.	Electrical Conductivity (1:2)	µmho/cm	350.8	IS:14767
8.	Water Holding Capacity(WHC)	%	34.5	IS 2720 (Part-2)
9.	Sodium (Na)	mg/kg	131.9	APHA-3055B
10.	Calcium (Ca)	mg/kg	1061.8	IS 2720 (Part-23)
11.	Magnesium (Mg)	mg/kg	481.4	ETS/STP/SOIL-08
12.	Bulk Density	g/cm ³	1.48	IS 2386 (Part-4)
13.	Total Nitrogen (N)	mg/kg	165.2	APHA, Pt 4500:(N)
14.	Phosphorus (PO ₄)	mg/kg	51.6	ETS/STP/SOIL-19
15.	Potassium (K)	mg/kg	259.1	APHA-3055B
16.	Organic Matter	%	1.04	IS : 2720 (P-22)
17.	Organic Carbon	%	2.18	BS 1377 -3)
18.	Sulphate as (SO ₄)	mg/kg	1.74	IS:3025(P-24)
19.	Porosity	%	18.6	IS 13030

****End of Test Report****

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TEST REPORT

TEST REPORT NO : ETS/1003-20/05/2023

DATE OF REPORT : 10-06-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 20-05-2023

Analysis Start Date : 23-05-2023

Analysis End Date : 25-05-2023

Sample ID No : ETS/SL-1003-20

Sampling Done By : ETS STAFF

Sampling & Testing Method : ETS/LAB/SOIL-01

Sampling Location : SQ-4 RUKANPURA

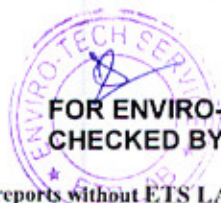
Sampling Quantity : 2.0 kg.

Packing Condition : SEALED

Packed In : ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
1.	Texture	...	Sandy Clay Loam	IS:2720 (Pt-4)
2.	Sand	%	58.3	IS:2720 (Pt-4)
3.	Silt	%	30.0	IS:2720 (Pt-4)
4.	Clay	%	11.7	IS:2720 (Pt-4)
5.	pH (1:2 Suspension)	..	7.75	IS:2720 (Pt-26)
6.	Cation Exchange Capacity(CEC)	meq/100	33.9	IS:2720 (Pt-24)
7.	Electrical Conductivity (1:2)	µmho/cm	411.4	IS:14767
8.	Water Holding Capacity(WHC)	%	43.5	IS 2720 (Part-2)
9.	Sodium (Na)	mg/kg	169.1	APHA-3055B
10.	Calcium (Ca)	mg/kg	1052.5	IS 2720 (Part-23)
11.	Magnesium (Mg)	mg/kg	562.9	ETS/STP/SOIL-08
12.	Bulk Density	g/cm ³	1.29	IS 2386 (Part-4)
13.	Total Nitrogen (N)	mg/kg	122.6	APHA, Pt 4500:(N)
14.	Phosphorus (PO ₄)	mg/kg	60.8	ETS/STP/SOIL-19
15.	Potassium (K)	mg/kg	290.0	APHA-3055B
16.	Organic Matter	%	1.11	IS : 2720 (P-22)
17.	Organic Carbon	%	1.92	BS 1377 -3)
18.	Sulphate as (SO ₄)	mg/kg	1.56	IS:3025(P-24)
19.	Porosity	%	24.3	IS 13030

****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-21/05/2023

DATE OF REPORT : 10-06-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 20-05-2023

Analysis Start Date : 23-05-2023

Analysis End Date : 25-05-2023

Sample ID No : ETS/SL-1003-21

Sampling Done By : ETS STAFF

Sampling & Testing Method : ETS/LAB/SOIL-01

Sampling Location : SQ-5 NASRIGANJ

Sampling Quantity : 2.0 kg.

Packing Condition : SEALED

Packed In : ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
1.	Texture	---	Sandy Clay Loam	IS:2720 (Pt-4)
2.	Sand	%	52.6	IS:2720 (Pt-4)
3.	Silt	%	27.2	IS:2720 (Pt-4)
4.	Clay	%	20.2	IS:2720 (Pt-4)
5.	pH (1:2 Suspension)	..	7.09	IS:2720 (Pt-26)
6.	Cation Exchange Capacity(CEC)	meq/100	21.7	IS:2720 (Pt-24)
7.	Electrical Conductivity (1:2)	µmho/cm	320.6	IS:14767
8.	Water Holding Capacity(WHC)	%	36.6	IS 2720 (Part-2)
9.	Sodium (Na)	mg/kg	138.5	APHA-3055B
10.	Calcium (Ca)	mg/kg	1049.1	IS 2720 (Part-23)
11.	Magnesium (Mg)	mg/kg	526.5	ETS/STP/SOIL-08
12.	Bulk Density	g/cm ³	2.12	IS 2386 (Part-4)
13.	Total Nitrogen (N)	mg/kg	246.6	APHA, Pt 4500:(N)
14.	Phosphorus (PO ₄)	mg/kg	72.7	ETS/STP/SOIL-19
15.	Potassium (K)	mg/kg	305.3	APHA-3055B
16.	Organic Matter	%	1.11	IS : 2720 (P-22)
17.	Organic Carbon	%	1.75	BS 1377 -3)
18.	Sulphate as (SO ₄)	mg/kg	1.05	IS:3025(P-24)
19.	Porosity	%	14.3	IS 13030

****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-22/05/2023

DATE OF REPORT : 10-06-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 20-05-2023

Analysis Start Date : 23-05-2023

Analysis End Date : 25-05-2023

Sample ID No : ETS/SL-1003-22

Sampling Done By : ETS STAFF

Sampling & Testing Method : ETS/LAB/SOIL-01

Sampling Location : SQ-6 BAJITPUR, DIGHA

Sampling Quantity : 2.0 kg.

Packing Condition : SEALED

Packed In : ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
1.	Texture	...	Sandy Clay Loam	IS:2720 (Pt-4)
2.	Sand	%	63.5	IS:2720 (Pt-4)
3.	Silt	%	22.2	IS:2720 (Pt-4)
4.	Clay	%	14.3	IS:2720 (Pt-4)
5.	pH (1:2 Suspension)	..	8.08	IS:2720 (Pt-26)
6.	Cation Exchange Capacity(CEC)	meq/100	34.7	IS:2720 (Pt-24)
7.	Electrical Conductivity (1:2)	µmho/cm	370.0	IS:14767
8.	Water Holding Capacity(WHC)	%	35.9	IS 2720 (Part-2)
9.	Sodium (Na)	mg/kg	153.3	APHA-3055B
10.	Calcium (Ca)	mg/kg	1187.2	IS 2720 (Part-23)
11.	Magnesium (Mg)	mg/kg	527.0	ETS/STP/SOIL-08
12.	Bulk Density	g/cm ³	1.75	IS 2386 (Part-4)
13.	Total Nitrogen (PO ₄)	mg/kg	215.3	APHA, Pt 4500:(N)
14.	Phosphorus (P)	mg/kg	75.9	ETS/STP/SOIL-19
15.	Potassium (K)	mg/kg	366.3	APHA-3055B
16.	Organic Matter	%	1.04	IS : 2720 (P-22)
17.	Organic Carbon	%	3.46	BS 1377 -3)
18.	Sulphate as (SO ₄)	mg/kg	2.09	IS:3025(P-24)
19.	Porosity	%	14.6	IS 13030

****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-23/05/2023

DATE OF REPORT : 10-06-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 20-05-2023

Analysis Start Date : 23-05-2023

Analysis End Date : 25-05-2023

Sample ID No : ETS/SL-1003-23

Sampling Done By : ETS STAFF

Sampling & Testing Method : ETS/LAB/SOIL-01

Sampling Location : SQ-7 BSPHCL ENERGY PARK, PATEL NAGAR

Sampling Quantity : 2.0 kg.

Packing Condition : SEALED

Packed In : ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
20.	Texture	...	Sandy Clay Loam	IS:2720 (Pt-4)
21.	Sand	%	55.1	IS:2720 (Pt-4)
22.	Silt	%	24.1	IS:2720 (Pt-4)
23.	Clay	%	20.8	IS:2720 (Pt-4)
24.	pH (1:2 Suspension)	..	7.95	IS:2720 (Pt-26)
25.	Cation Exchange Capacity(CEC)	meq/100	28.8	IS:2720 (Pt-24)
26.	Electrical Conductivity (1:2)	µmho/cm	332.7	IS:14767
27.	Water Holding Capacity(WHC)	%	48.2	IS 2720 (Part-2)
28.	Sodium (Na)	mg/kg	182.9	APHA-3055B
29.	Calcium (Ca)	mg/kg	1155.1	IS 2720 (Part-23)
30.	Magnesium (Mg)	mg/kg	442.4	ETS/STP/SOIL-08
31.	Bulk Density	g/cm ³	1.38	IS 2386 (Part-4)
32.	Total Nitrogen (N)	mg/kg	188.0	APHA, Pt 4500:(N)
33.	Phosphorus (PO ₄)	mg/kg	65.2	ETS/STP/SOIL-19
34.	Potassium (K)	mg/kg	350.7	APHA-3055B
35.	Organic Matter	%	0.96	IS : 2720 (P-22)
36.	Organic Carbon	%	1.78	BS 1377 -3)
37.	Sulphate as (SO ₄)	mg/kg	1.61	IS:3025(P-24)
38.	Porosity	%	15.5	IS 13030

****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-24/05/2023

DATE OF REPORT : 10-06-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 20-05-2023

Analysis Start Date : 23-05-2023

Analysis End Date : 25-05-2023

Sample ID No : ETS/SL-1003-24

Sampling Done By : ETS STAFF

Sampling & Testing Method : ETS/LAB/SOIL-01

Sampling Location : SQ-8 LEKHA NAGAR, DANAPUR

Sampling Quantity : 2.0 kg.

Packing Condition : SEALED

Packed In : ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
20.	Texture	...	Sandy Clay Loam	IS:2720 (Pt-4)
21.	Sand	%	64.3	IS:2720 (Pt-4)
22.	Silt	%	24.5	IS:2720 (Pt-4)
23.	Clay	%	11.2	IS:2720 (Pt-4)
24.	pH (1:2 Suspension)	..	7.73	IS:2720 (Pt-26)
25.	Cation Exchange Capacity(CEC)	meq/100	33.5	IS:2720 (Pt-24)
26.	Electrical Conductivity (1:2)	µmho/cm	365.8	IS:14767
27.	Water Holding Capacity(WHC)	%	40.9	IS 2720 (Part-2)
28.	Sodium (Na)	mg/kg	162.8	APHA-3055B
29.	Calcium (Ca)	mg/kg	1100.3	IS 2720 (Part-23)
30.	Magnesium (Mg)	mg/kg	578.9	ETS/STP/SOIL-08
31.	Bulk Density	g/cm ³	1.88	IS 2386 (Part-4)
32.	Total Nitrogen (PO ₄)	mg/kg	243.4	APHA, Pt 4500:(N)
33.	Phosphorus (P)	mg/kg	68.1	ETS/STP/SOIL-19
34.	Potassium (K)	mg/kg	276.9	APHA-3055B
35.	Organic Matter	%	1.18	IS : 2720 (P-22)
36.	Organic Carbon	%	0.95	BS 1377 -3)
37.	Sulphate as (SO ₄)	mg/kg	2.08	IS:3025(P-24)
38.	Porosity	%	21.6	IS 13030

****End of Test Report****



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TEST REPORT

TEST REPORT NO : ETS/1003-25/05/2023

DATE OF REPORT : 10.06.2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 15.05.2023
Analysis Start Date : 17.05.2023
Analysis End Date : 20.05.2023
Sampling Done By : ETS STAFF
Sampling Description : SURFACE WATER
Sampling Location : SW-1 FAKKAR MAHTO GHAT ON GANGA RIVER
Sampling Method : ETS/STP/WATER-01
Sampling Quantity : 2.0 +0.5 Lt.
Packing Condition : SEALED
Packed In : P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Test Method
1.	Colour	Hazen	<5.0	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	IS:3025 (Pt-5)
3.	pH	---	7.56	IS:3025 (Pt-11)
4.	Turbidity	NTU	10.2	IS:3025 (Pt-10)
5.	Total Dissolve Solid (TDS)	mg/L	326.4	IS:3025 (Pt-16)
6.	Total Alkalinity (CaCO ₃)	mg/L	150.9	IS:3025 (Pt-23)
7.	Total Hardness(CaCO ₃)	mg/L	174.4	IS:3025 (Pt-21)
8.	Chloride (Cl)	mg/L	48.7	IS:3025 (Pt-32)
9.	Calcium (Ca)	mg/L	67.0	IS:3025 (Pt-40)
10.	Mineral Oil	mg/L	<0.01	IS:3025 (Pt-39)
11.	Sulphate (SO ₄)	mg/L	38.8	IS:3025 (Pt-24)
12.	Nitrate (NO ₃)	mg/L	1.80	IS:3025 (Pt-34)
13.	Fluoride (F)	mg/L	0.12	IS:3025 (Pt-60)
14.	Iron (Fe)	mg/L	0.23	IS:3025 (Pt-53)
15.	Aluminium (Al)	mg/L	<0.01	APHA-3500 (B)
16.	Selenium (Se)	mg/L	<0.01	APHA-3113 (B)
17.	Cyanide (Cn)	mg/L	<0.02	APHA-4500 (C)
18.	Copper(Cu)	mg/L	<0.05	APHA-3111(B)
19.	Magnesium (Mg)	mg/L	27.6	IS:3025 (Pt-45)
20.	Manganese(Mn)	mg/L	<0.1	APHA-3111(B)
21.	Zinc(Zn)	mg/L	0.75	APHA-3111 (B)
22.	Cadmium(Cd)	mg/L	<0.001	APHA-3111 (B)
23.	Lead(Pb)	mg/L	<0.01	APHA-3111 (B)
24.	Boron	Mg/L	<0.05	IS:3026(Pt-57)
25.	Mercury(Hg)	mg/L	<0.001	APHA-3112 (B)
26.	Molybdenum(mo)	mg/L	<0.05	IS:3025(Pt-2)
27.	Nickel (Ni)	mg/L	<0.01	APHA-3111 (B)
28.	Arsenic(As)	mg/L	<0.01	APHA-3500 (B)
29.	Chromium (Cr+6)	mg/L	<0.01	APHA-3500 Cr-B
30.	Conductivity (25 °C)	µs/Cm	512.8	APHA-2510
31.	Chemical Oxygen Demand (COD)	mg/L	18.1	APHA-5220 (B)
32.	Biological Oxygen Demand (BOD at 27°C for 3 day)	mg/L	3.10	APHA-4500 (D)
33.	Dissolve Oxygen (DO)	mg/L	5.95	APHA-5210
34.	E. Coli	MPN/100ml	1020	IS:1622-1981
35.	Total Coliform	MPN/100ml	1480	IS:1622-1981

Note:-

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Lab in-charge



TEST REPORT

TEST REPORT NO : ETS/1003-26/11/2023

DATE OF REPORT : 20.06.2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 15.05.2023
Analysis Start Date : 17.05.2023
Analysis End Date : 20.05.2023
Sampling Done By : ETS STAFF
Sampling Description : SURFACE WATER
Sampling Location : SW-2 RAM NAGAR COLONY
Sampling Method : ETS/STP/WATER-01
Sampling Quantity : 2.0 +0.5 Lt.
Packing Condition : SEALED
Packed In : P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Test Method
1.	Colour	Hazen	<5.0	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	IS:3025 (Pt-5)
3.	pH	---	8.17	IS:3025 (Pt-11)
4.	Turbidity	NTU	12.1	IS:3025 (Pt-10)
5.	Total Dissolve Solid (TDS)	mg/L	521.6	IS:3025 (Pt-16)
6.	Total Alkalinity (CaCO ₃)	mg/L	174.7	IS:3025 (Pt-23)
7.	Total Hardness(CaCO ₃)	mg/L	253.4	IS:3025 (Pt-21)
8.	Chloride (Cl)	mg/L	127.1	IS:3025 (Pt-32)
9.	Calcium (Ca)	mg/L	82.5	IS:3025 (Pt-40)
10.	Mineral Oil	mg/L	<0.01	IS:3025 (Pt-39)
11.	Sulphate (SO ₄)	mg/L	64.9	IS:3025 (Pt-24)
12.	Nitrate (NO ₃)	mg/L	4.55	IS:3025 (Pt-34)
13.	Fluoride (F)	mg/L	0.64	IS:3025 (Pt-60)
14.	Iron (Fe)	mg/L	0.19	IS:3025 (Pt-53)
15.	Aluminium (Al)	mg/L	<0.01	APHA-3500 (B)
16.	Selenium (Se)	mg/L	<0.01	APHA-3113 (B)
17.	Cyanide (Cn)	mg/L	<0.02	APHA-4500 (C)
18.	Copper(Cu)	mg/L	<0.05	APHA-3111(B)
19.	Magnesium (Mg)	mg/L	21.0	IS:3025 (Pt-45)
20.	Manganese(Mn)	mg/L	<0.1	APHA-3111(B)
21.	Zinc(Zn)	mg/L	0.53	APHA-3111 (B)
22.	Cadmium(Cd)	mg/L	<0.001	APHA-3111 (B)
23.	Lead(Pb)	mg/L	<0.01	APHA-3111 (B)
24.	Boron	Mg/L	<0.05	IS:3026(Pt-57)
25.	Mercury(Hg)	mg/L	<0.001	APHA-3112 (B)
26.	Molybdenum(mo)	mg/L	<0.05	IS:3025(Pt-2)
27.	Nickel (Ni)	mg/L	<0.01	APHA-3111 (B)
28.	Arsenic(As)	mg/L	<0.01	APHA-3500 (B)
29.	Chromium (Cr+6)	mg/L	<0.01	APHA-3500 Cr-B
30.	Conductivity (25 °C)	µs/Cm	756.2	APHA-2510
31.	Chemical Oxygen Demand (COD)	mg/L	23.6	APHA-5220 (B)
32.	Biological Oxygen Demand (BOD at 27°C for 3 day)	mg/L	3.18	APHA-4500 (D)
33.	Dissolve Oxygen (DO)	mg/L	4.71	APHA-5210
34.	E. Coli	MPN/100ml	260	IS:1622-1981
35.	Total Coliform	MPN/100ml	540	IS:1622-1981

Note:-

- Test reports issued by ETS-LAB are not issued by our laboratory.
- The results indicated only refer to the tested samples and listed applicable parameters.
- No complaint will be entertained if received after 7 days of issue of test report.
- Our liability is limited to invoice value only.
- The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
- This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

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For Enviro-Tech Services

 AUTHORIZED SIGNATORY
 Lab In-charge

****End of Test Report****

TEST REPORT

TEST REPORT NO : ETS/1003-27/05/2023

DATE OF REPORT : 10.06.2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 20.05.2023
Analysis Start Date : 22.05.2023
Analysis End Date : 25.05.2023
Sampling Done By : ETS STAFF
Sampling Description : SURFACE WATER
Sampling Location : SW-3 PRIYADARSHI NAGAR, KALIKET NAGAR
Sampling Method : ETS/STP/WATER-01
Sampling Quantity : 2.0 +0.5 Lt.
Packing Condition : SEALED
Packed In : P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Test Method
1.	Colour	Hazen	<5.0	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	IS:3025 (Pt-5)
3.	pH	---	7.37	IS:3025 (Pt-11)
4.	Turbidity	NTU	9.6	IS:3025 (Pt-10)
5.	Total Dissolve Solid (TDS)	mg/L	437.7	IS:3025 (Pt-16)
6.	Total Alkalinity (CaCO ₃)	mg/L	193.4	IS:3025 (Pt-23)
7.	Total Hardness(CaCO ₃)	mg/L	236.8	IS:3025 (Pt-21)
8.	Chloride (Cl)	mg/L	90.3	IS:3025 (Pt-32)
9.	Calcium (Ca)	mg/L	43.6	IS:3025 (Pt-40)
10.	Mineral Oil	mg/L	<0.01	IS:3025 (Pt-39)
11.	Sulphate (SO ₄)	mg/L	29.5	IS:3025 (Pt-24)
12.	Nitrate (NO ₃)	mg/L	1.21	IS:3025 (Pt-34)
13.	Fluoride (F)	mg/L	0.36	IS:3025 (Pt-60)
14.	Iron (Fe)	mg/L	0.13	IS:3025 (Pt-53)
15.	Aluminium (Al)	mg/L	<0.01	APHA-3500 (B)
16.	Selenium (Se)	mg/L	<0.01	APHA-3113 (B)
17.	Cyanide (Cn)	mg/L	<0.02	APHA-4500 (C)
18.	Copper(Cu)	mg/L	<0.05	APHA-3111(B)
19.	Magnesium (Mg)	mg/L	14.4	IS:3025 (Pt-45)
20.	Manganese(Mn)	mg/L	<0.1	APHA-3111(B)
21.	Zinc(Zn)	mg/L	0.49	APHA-3111 (B)
22.	Cadmium(Cd)	mg/L	<0.001	APHA-3111 (B)
23.	Lead(Pb)	mg/L	<0.01	APHA-3111 (B)
24.	Boron	Mg/L	<0.05	IS:3026(Pt-57)
25.	Mercury(Hg)	mg/L	<0.001	APHA-3112 (B)
26.	Molybdenum(mo)	mg/L	<0.05	IS:3025(Pt-2)
27.	Nickel (Ni)	mg/L	<0.01	APHA-3111 (B)
28.	Arsenic(As)	mg/L	<0.01	APHA-3500 (B)
29.	Chromium (Cr+6)	mg/L	<0.01	APHA-3500 Cr-B
30.	Conductivity (25 °C)	µs/Cm	661.8	APHA-2510
31.	Chemical Oxygen Demand (COD)	mg/L	16.4	APHA-5220 (B)
32.	Biological Oxygen Demand (BOD at 27°C for 3 day)	mg/L	4.34	APHA-4500 (D)
33.	Dissolve Oxygen (DO)	mg/L	5.40	APHA-5210
34.	E. Coli	MPN/100ml	240	IS:1622-1981
35.	Total Coliform	MPN/100ml	470	IS:1622-1981

Note:-

1. Test reports without ETS LAB HOODGRAM are not issued by our laboratory.

2. The results mentioned only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

TEST REPORT

TEST REPORT NO : ETS/1003-28/05/2023

DATE OF REPORT : 10.06.2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S BHOLA RAM STEELS PRIVATE LIMITED
AT VILLAGE- NASRIGANJ, TEHSIL-DANAPUR, DISTRICT- PATNA, STATE- BIHAR.

Date of Sampling : 15.05.2023
Analysis Start Date : 17.05.2023
Analysis End Date : 20.05.2023
Sampling Done By : ETS STAFF
Sampling Description : SURFACE WATER
Sampling Location : SW-4 BSPHCL ENERGY PARK, PATEL NAGAR
Sampling Method : ETS/STP/WATER-01
Sampling Quantity : 2.0 +0.5 Lt.
Packing Condition : SEALED
Packed In : P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Test Method
1.	Colour	Hazen	<5.0	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	IS:3025 (Pt-5)
3.	pH	---	8.05	IS:3025 (Pt-11)
4.	Turbidity	NTU	18.0	IS:3025 (Pt-10)
5.	Total Dissolve Solid (TDS)	mg/L	610.4	IS:3025 (Pt-16)
6.	Total Alkalinity (CaCO ₃)	mg/L	218.8	IS:3025 (Pt-23)
7.	Total Hardness(CaCO ₃)	mg/L	256.2	IS:3025 (Pt-21)
8.	Chloride (Cl)	mg/L	135.5	IS:3025 (Pt-32)
9.	Calcium (Ca)	mg/L	104.0	IS:3025 (Pt-40)
10.	Mineral Oil	mg/L	<0.01	IS:3025 (Pt-39)
11.	Sulphate (SO ₄)	mg/L	69.0	IS:3025 (Pt-24)
12.	Nitrate (NO ₃)	mg/L	2.66	IS:3025 (Pt-34)
13.	Fluoride (F)	mg/L	0.36	IS:3025 (Pt-60)
14.	Iron (Fe)	mg/L	0.52	IS:3025 (Pt-53)
15.	Aluminium (Al)	mg/L	<0.01	APHA-3500 (B)
16.	Selenium (Se)	mg/L	<0.01	APHA-3113 (B)
17.	Cyanide (Cn)	mg/L	<0.02	APHA-4500 (C)
18.	Copper(Cu)	mg/L	<0.05	APHA-3111(B)
19.	Magnesium (Mg)	mg/L	18.4	IS:3025 (Pt-45)
20.	Manganese(Mn)	mg/L	<0.1	APHA-3111(B)
21.	Zinc(Zn)	mg/L	0.53	APHA-3111 (B)
22.	Cadmium(Cd)	mg/L	<0.001	APHA-3111 (B)
23.	Lead(Pb)	mg/L	<0.01	APHA-3111 (B)
24.	Boron	Mg/L	<0.05	IS:3026(Pt-57)
25.	Mercury(Hg)	mg/L	<0.001	APHA-3112 (B)
26.	Molybdenum(mo)	mg/L	<0.05	IS:3025(Pt-2)
27.	Nickel (Ni)	mg/L	<0.01	APHA-3111 (B)
28.	Arsenic(As)	mg/L	<0.01	APHA-3500 (B)
29.	Chromium (Cr+6)	mg/L	<0.01	APHA-3500 Cr-B
30.	Conductivity (25 °C)	µs/Cm	846.9	APHA-2510
31.	Chemical Oxygen Demand (COD)	mg/L	20.5	APHA-5220 (B)
32.	Biological Oxygen Demand (BOD at 27°C for 3 day)	mg/L	2.80	APHA-4500 (D)
33.	Dissolve Oxygen (DO)	mg/L	3.94	APHA-5210
34.	E. Coli	MPN/100ml	550	IS:1622-1981
35.	Total Coliform	MPN/100ml	810	IS:1622-1981

Note:-

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For End of Test Report

AUTHORIZED SIGNATORY
Lab In-charge