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To
The Regional Officer
Jharkhand State Pollution Control Board
HIG Colony, Sardar Patel Nager
Dhanbad 826001

11 / 4 / 2022

Subject: Submission of Annual Report (Bio – medical Waste) for the period from January 2021 to December 2021

Dear Sir,

We are submitting herewith the Annual report in Form - IV (See Rule 13) of Biomedical waste (Management & handling) For your kind reference.

Thanking You

Yours faithfully
For M/s ESL Steels Ltd

NAVNATH
LAXMAN
VHATTE
N L Vhatte
CEO

Digitally signed by
NAVNATH LAXMAN
VHATTE
Date: 2022.04.12 11:06:49
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Navnath
Vhatte*



Form – IV
(See rule 13)
ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl. No.	Particulars		
1	Particulars of the Occupier	:	
	(i) Name of the authorized person (occupier or: operator of facility)	:	Dr. Rinku Jaiswal
	(ii) Name of HCF or CBMWTF	:	M/s. ESL Steels Limited
	(iii) Address for Correspondence	:	Vill. -- Siyaljori City: Bokaro Block: Chandankiyari, District: Bokaro-828303
	(iv) Address of Facility	:	Vill. - Siyaljori City: Bokaro Block: Candandankiyari, District: Bokaro - 828303
	(v) Tel. No, Fax. No	:	8651039175
	(vi) E-mail ID	:	Rinku.Jaiswal@vedanta.co.in
	(vii) URL of Website	:	Electrosteelsteels.com/biomedicalwastereport.aspx
	(viii) GPS coordinates of HCF or CBMWTF	:	Latitude 23.39 longitude 86.18
	(ix) Ownership of HCF or CBMWTF	:	Private
	(x). Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	:	JSPCB/RO/DHN/BMW- 1018406/2016/1, Date 23/12/2016,
	(xi). Status of Consents under Water Act and Air Act	:	valid up to ... 18/06/2017. Renewal applied to JSPCB, and proposal returned due to unavailability of valid CTO
2	Type of Health Care Facility	:	First Aid
	(i) Bedded Hospital	:	NA
	(ii) Non-bedded hospital	:	
	Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	Non-Bedded OHC
	(iii) License number and its date of expiry	:	NA
3	Details of CBMWTF	:	
	(i) Number of health care facilities covered by CBMWTF	:	NA
	(ii) No. of Beds covered by CBMWTF	:	NA
	(iii) Installed treatment and disposal capacity of CBMWTF;	:	NA
	(iv) Quantity of bio medical waste treated or disposed by CBMWTF	:	NA
4		:	Yellow Category: 2.009 kg

	Quantity of waste generated or disposed in Kg per Annum (on monthly average basis)		<i>Red Category:1.782 kg</i> <i>White: 0.095 kg</i> <i>Blue Category:1.160 kg</i> <i>General Solid Waste:00</i>			
5	Details of the Storage, Treatment, Transportation, Processing and Disposal Facility:					
	(i) Details of the on-site storage facility	:	Size: 10 X10 Sq feet			
			Capacity: 10 Kg			
			Provision of on-site storage: (Cold storage or any other provision) : NA			
	(ii) Disposal facilities					
			Type of treatment equipment	No of Units	Capacity Kg/day	Quantity Treated or disposed in kg per annum
			Incinerators			
			Plasma Pyrolysis	-	-	-
			Autoclaves	-	-	-
			Microwave	-	-	-
			Hydroclave	-	-	-
			Shredder	-	-	-
			Needle tip cutter or destroyer	01	0.4	0.095
			Sharps	-	-	-
			Encapsulation or concrete pit	-	-	-
			Deep burial pits	-	-	-
			Chemical disinfection:	-	-	-
			Any other treatment equipment:	-	-	-
	(iii) Quantity of recyclable wastes sold to authorized recyclers after treatment in Kg per annum	:	NA			
			All the biomedical waste are disposed off through CBWTF and no treatment is done inside the premises.			
	(iv) No. of Vehicles used for collection and transportation of biomedical waste	:	One			
			The waste is disposed off through the vehicle of CBWTF only			
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum			Quantity Generated	Where disposed	
			Incineration	-	-	
			Ash	-	-	
			ETP Sludge	-	-	

	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of	Biogenetic Laboratory (P) Limited LG 23 , Urmila Tower Bank More Dhanbad
	(vii) List of members HCF not handed over bio-medical waste.	NA
6	Do you have bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period	NA
7	Details trainings conducted on BMW	
	(i) Number of trainings conducted on BMW Management	4
	(ii) Number of personnel trained	10
	(iii) Number of personnel trained at the time of induction	10
	(iv) Number of personnel not undergone any training so far	NA
	(v) Whether standard manual for training is available?	Yes
8	Details of the accident occurred during the year	-
	(i) Number of Accidents occurred	NO accident occurred during handling of Biomedical waste the facility .
	(ii) Number of persons affected	NA
	(iii) Remedial Action taken (Please attach details if any)	NA
	(iv) Any Fatality occurred, details	NA
9	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?	No incinerator is installed at site . The Biomedical waste is disposed off through CBETF.
	Details of Continuous online emission monitoring systems installed	04 Nos Continuous Ambient Air Monitoring station CAAQMS) are installed.
10	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?	NA
11	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?	NA
12	Any other relevant information	NA

Certified that the above report is for the period from January 2021 to December 2021

Name and Signature of the Head of the Institution

Dr. Rinku Jaiswal
11/04/2022
Dr. Rinku Jaiswal
HCF, M/s. ESL Steel Limited

Date: 11.04.2022

Dec. 2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Dec-21	200	200	25	4
02-Dec-21	100	200	35	6
03-Dec-21	200	150	30	4
04-Dec-21	250	100	40	4
05-Dec-21	200	250	25	3
06-Dec-21	150	150	30	5
07-Dec-21	250	100	x	x
08-Dec-21	200	150	25	x
09-Dec-21	200	150	x	4
10-Dec-21	150	150	35	5
11-Dec-21	250	150	x	x
12-Dec-21	100	150	30	4
13-Dec-21	100	100	25	6
14-Dec-21	200	150	35	5
15-Dec-21	100	150	x	x
16-Dec-21	100	150	40	8
17-Dec-21	100	200	15	3
18-Dec-21	150	150	35	6
19-Dec-21	200	150	x	x
20-Dec-21	50	100	25	5
21-Dec-21	100	200	35	6
22-Dec-21	100	100	15	3
23-Dec-21	100	200	25	4
24-Dec-21	100	100	25	6
25-Dec-21	200	250	25	4
26-Dec-21	150	150	30	4
27-Dec-21	150	150	35	5
28-Dec-21	100	200	15	4
29-Dec-21	50	100	35	4
30-Dec-21	50	100	100	5
31-Dec-21	300	100	350	10
Total	4650	4700	1140	127
Monthly average	150	152	37	4

By 02/01/2022

Nov. 2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Nov-21	100	200	35	6
02-Nov-21	200	150	30	4
03-Nov-21	250	200	40	4
04-Nov-21	200	250	25	3
05-Nov-21	150	150	30	5
06-Nov-21	250	100	x	x
07-Nov-21	200	250	25	x
08-Nov-21	200	150	x	4
09-Nov-21	150	150	35	5
10-Nov-21	250	150	x	x
11-Nov-21	100	150	30	4
12-Nov-21	100	100	25	6
13-Nov-21	200	150	35	5
14-Nov-21	100	150	x	x
15-Nov-21	100	150	40	8
16-Nov-21	100	200	15	3
17-Nov-21	150	150	35	6
18-Nov-21	200	150	x	x
19-Nov-21	50	100	25	5
20-Nov-21	100	200	35	6
21-Nov-21	100	100	15	3
22-Nov-21	100	200	25	4
23-Nov-21	100	100	25	6
24-Nov-21	200	250	25	4
25-Nov-21	150	150	30	4
26-Nov-21	150	150	35	5
27-Nov-21	100	200	15	4
28-Nov-21	50	100	x	x
29-Nov-21	100	250	45	7
30-Nov-21	200	450	30	5
Total	4400	5200	705	116
Monthly average	147	173	24	4

6902/01/2022

Oct. 2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Oct-21	200	200	30	2
02-Oct-21	100	300	35	3
03-Oct-21	250	150	25	4
04-Oct-21	50	200	20	7
05-Oct-21	100	150	30	7
06-Oct-21	150	300	25	8
07-Oct-21	250	300	x	x
08-Oct-21	100	150	35	7
09-Oct-21	200	250	20	9
10-Oct-21	150	250	30	5
11-Oct-21	150	250	35	x
12-Oct-21	100	250	25	5
13-Oct-21	100	100	30	7
14-Oct-21	x	350	20	x
15-Oct-21	200	150	45	10
16-Oct-21	x	250	20	x
17-Oct-21	200	200	x	x
18-Oct-21	150	250	30	5
19-Oct-21	200	250	x	x
20-Oct-21	50	100	30	5
21-Oct-21	x	100	x	x
22-Oct-21	200	200	35	8
23-Oct-21	50	100	x	x
24-Oct-21	150	200	30	5
25-Oct-21	100	200	35	x
26-Oct-21	150	150	30	11
27-Oct-21	150	150	x	x
28-Oct-21	100	200	50	10
29-Oct-21	100	100	x	5
30-Oct-21	100	200	25	5
31-Oct-21	100	200	35	x
Total	3900	6200	725	128
Monthly average	126	200	23	4

by 02/04/2022

Sept. 2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Sep-21	420	280	150	50
02-Sep-21	100	100	60	3
03-Sep-21	200	100	60	4
04-Sep-21	100	100	60	X
05-Sep-21	200	160	70	X
06-Sep-21	150	200	80	X
07-Sep-21	300	150	100	100
08-Sep-21	100	50	60	100
09-Sep-21	100	50	40	50
10-Sep-21	420	280	380	X
11-Sep-21	100	100	100	70
12-Sep-21	150	100	100	30
13-Sep-21	200	150	100	X
14-Sep-21	100	100	150	X
15-Sep-21	150	80	60	X
16-Sep-21	100	70	40	X
17-Sep-21	120	40	100	40
18-Sep-21	80	60	50	60
19-Sep-21	160	100	80	20
20-Sep-21	140	100	70	30
21-Sep-21	100	100	50	25
22-Sep-21	150	50	50	25
23-Sep-21	150	100	50	X
24-Sep-21	100	100	50	30
25-Sep-21	100	50	50	20
26-Sep-21	200	150	100	X
27-Sep-21	100	100	100	X
28-Sep-21	100	50	50	30
29-Sep-21	100	50	50	20
30-Sep-21	200	150	100	50
Total	4690	3270	2560	757
Monthly average	156	109	85	25

by 10/1/2022

Aug. 2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Aug-21	100	200	35	6
02-Aug-21	200	150	30	4
03-Aug-21	250	200	40	4
04-Aug-21	200	250	25	3
05-Aug-21	150	150	30	5
06-Aug-21	250	100	x	x
07-Aug-21	200	250	25	x
08-Aug-21	200	150	x	4
09-Aug-21	150	150	35	5
10-Aug-21	250	150	x	x
11-Aug-21	100	150	30	4
12-Aug-21	100	100	25	6
13-Aug-21	200	150	35	5
14-Aug-21	100	150	x	x
15-Aug-21	100	150	40	8
16-Aug-21	250	300	25	4
17-Aug-21	100	200	35	6
18-Aug-21	200	150	30	4
19-Aug-21	250	200	40	4
20-Aug-21	200	250	25	3
21-Aug-21	150	150	30	5
22-Aug-21	250	100	x	x
23-Aug-21	200	250	25	x
24-Aug-21	200	150	x	4
25-Aug-21	150	150	35	5
26-Aug-21	250	150	x	x
27-Aug-21	100	150	30	4
28-Aug-21	100	100	25	6
29-Aug-21	200	150	35	5
30-Aug-21	100	150	100	3
31-Aug-21	150	100	75	4
Total	5400	5150	860	111
Monthly average	174	166	28	4

Aug 21/04/2022

July .2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Jul-21	100	100	100	50
02-Jul-21	100	100	60	30
03-Jul-21	150	100	40	20
04-Jul-21	40	250	30	5
05-Jul-21	60	200	20	2
06-Jul-21	100	200	300	100
07-Jul-21	150	250	250	50
08-Jul-21	100	200	20	4
09-Jul-21	250	250	15	3
10-Jul-21	150	300	30	x
11-Jul-21	100	200	30	5
12-Jul-21	60	250	30	4
13-Jul-21	40	200	20	3
14-Jul-21	100	150	30	6
15-Jul-21	100	250	35	4
16-Jul-21	150	250	20	3
17-Jul-21	200	200	10	2
18-Jul-21	100	200	20	2
19-Jul-21	150	150	10	3
20-Jul-21	100	100	20	4
21-Jul-21	100	200	15	4
22-Jul-21	100	100	10	3
23-Jul-21	50	250	20	2
24-Jul-21	150	200	30	5
25-Jul-21	100	200	35	x
26-Jul-21	150	150	30	11
27-Jul-21	150	150	x	x
28-Jul-21	100	200	50	10
29-Jul-21	100	100	x	5
30-Jul-21	100	200	25	5
31-Jul-21	100	200	35	x
Total	3500	5850	1340	345
Monthly average	113	189	43	11

Sensitivity: Confidential (C2)

8/21/2021

June .2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Jun-21	200	100	60	3
02-Jun-21	100	100	60	2
03-Jun-21	200	160	70	2
04-Jun-21	150	200	80	5
05-Jun-21	100	50	60	10
06-Jun-21	100	50	40	5
07-Jun-21	100	100	100	7
08-Jun-21	150	100	100	3
09-Jun-21	200	150	100	2
10-Jun-21	100	100	150	3
11-Jun-21	150	80	60	5
12-Jun-21	100	70	40	2
13-Jun-21	120	40	100	4
14-Jun-21	80	60	50	6
15-Jun-21	160	100	80	2
16-Jun-21	140	100	70	3
17-Jun-21	100	100	50	2
18-Jun-21	150	50	50	3
19-Jun-21	150	100	50	X
20-Jun-21	100	50	50	20
21-Jun-21	200	150	100	4
22-Jun-21	100	100	100	3
23-Jun-21	100	50	50	7
24-Jun-21	100	50	50	4
25-Jun-21	200	150	100	5
26-Jun-21	200	100	200	5
27-Jun-21	200	200	300	4
28-Jun-21	200	100	100	3
29-Jun-21	100	100	25	6
30-Jun-21	200	150	35	5
Total	4250	3010	2480	135
Monthly average	142	100	83	5

by 07/04/2021

May .2021

	YELLOW (gim)	RED (gim)	BLUE (gim)	WHITE (gim)
01-May-21	300	200	300	10
02-May-21	200	200	100	5
03-May-21	200	100	200	3
04-May-21	150	100	200	3
05-May-21	150	100	200	2
06-May-21	150	100	200	x
07-May-21	150	100	200	x
08-May-21	200	100	150	5
09-May-21	200	100	150	3
10-May-21	200	100	150	x
11-May-21	200	200	50	x
12-May-21	300	50	50	4
13-May-21	100	50	150	3
14-May-21	150	100	100	x
15-May-21	100	100	100	5
16-May-21	50	100	100	3
17-May-21	100	50	100	4
18-May-21	100	50	100	x
19-May-21	150	150	100	6
20-May-21	250	100	200	x
21-May-21	250	100	200	x
22-May-21	250	150	200	x
23-May-21	250	150	200	200
24-May-21	150	125	150	75
25-May-21	200	150	100	50
26-May-21	300	200	200	x
27-May-21	200	200	100	7
28-May-21	150	250	275	3
29-May-21	150	150	125	2
30-May-21	200	160	150	7
31-May-21	150	120	200	4
Total	5650	3905	4800	1
Monthly average	182	126		13

Sensitivity: Confidential (C2)

4/22/04/2002

April .2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Apr-21	200	40	100	4
02-Apr-21	300	150	200	5
03-Apr-21	200	150	200	5
04-Apr-21	100	150	50	4
05-Apr-21	200	50	100	6
06-Apr-21	200	50	100	3
07-Apr-21	100	400	100	7
08-Apr-21	200	100	50	3
09-Apr-21	200	200	50	6
10-Apr-21	100	100	100	7
11-Apr-21	300	200	50	5
12-Apr-21	100	60	80	3
13-Apr-21	100	40	70	2
14-Apr-21	250	300	400	5
15-Apr-21	200	150	200	6
16-Apr-21	410	250	450	3
17-Apr-21	400	260	460	2
18-Apr-21	200	150	150	10
19-Apr-21	200	100	150	5
20-Apr-21	150	200	150	6
21-Apr-21	150	200	150	4
22-Apr-21	300	200	200	10
23-Apr-21	200	100	200	10
24-Apr-21	200	200	100	5
25-Apr-21	250	200	150	8
26-Apr-21	100	150	100	5
27-Apr-21	100	150	100	5
28-Apr-21	500	300	400	6
29-Apr-21	300	300	400	4
30-Apr-21	200	150	120	16
Total	6410	5050	5130	170
Monthly average	214	168	171	6

ky 09/04/2022

March .2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Mar-21	200	200	400	5
02-Mar-21	300	200	200	4
03-Mar-21	200	200	450	3
04-Mar-21	250	300	150	3
05-Mar-21	250	100	150	5
06-Mar-21	200	200	200	3
07-Mar-21	200	100	100	4
08-Mar-21	300	200	200	2
09-Mar-21	200	200	100	2
10-Mar-21	150	250	275	3
11-Mar-21	150	150	125	2
12-Mar-21	200	160	150	5
13-Mar-21	150	120	200	2
14-Mar-21	150	120	150	2
15-Mar-21	200	150	200	3
16-Mar-21	200	150	100	4
17-Mar-21	275	150	200	3
18-Mar-21	225	150	200	2
19-Mar-21	200	100	150	3
20-Mar-21	300	160	200	7
21-Mar-21	200	140	200	4
22-Mar-21	100	150	150	5
23-Mar-21	100	40	90	2
24-Mar-21	100	60	60	3
25-Mar-21	100	100	150	2
26-Mar-21	200	200	100	5
27-Mar-21	200	100	50	2
28-Mar-21	150	50	50	3
29-Mar-21	150	100	50	2
30-Mar-21	200	60	100	6
31-Mar-21	250	100	100	5
Total	6050	4460	5000	106
Monthly average	195	144	161	3

Handwritten: 6/09/04/2022

Feb. 2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Feb-21	300	160	220	5
02-Feb-21	250	250	200	3
03-Feb-21	250	150	100	2
04-Feb-21	300	150	250	4
05-Feb-21	200	150	150	3
06-Feb-21	300	150	250	5
07-Feb-21	200	150	150	5
08-Feb-21	200	200	150	6
09-Feb-21	200	100	250	2
10-Feb-21	200	x	400	4
11-Feb-21	300	x	x	3
12-Feb-21	200	100	100	2
13-Feb-21	200	50	100	5
14-Feb-21	100	100	150	5
15-Feb-21	300	100	100	3
16-Feb-21	200	100	200	6
17-Feb-21	300	200	200	3
18-Feb-21	400	200	300	3
19-Feb-21	200	100	200	4
20-Feb-21	250	200	350	5
21-Feb-21	250	200	250	5
22-Feb-21	300	200	200	8
23-Feb-21	200	100	200	5
24-Feb-21	200	200	300	4
25-Feb-21	200	100	100	5
26-Feb-21	400	200	300	6
27-Feb-21	200	100	200	3
28-Feb-21	250	200	350	x
Total	6850	3910	5720	114
Monthly average	236	135	197	4

6/09/04/2002

30-Jan-21	150	120	200	4
31-Jan-21	150	120	150	x
Total	5400	3725	4750	394
Monthly average	174	120	153	13

W/09/01/2022

Jan. 2021

	YELLOW (gm)	RED (gm)	BLUE (gm)	WHITE (gm)
01-Jan-21	100	100	200	5
02-Jan-21	200	100	200	3
03-Jan-21	150	100	200	3
04-Jan-21	150	100	200	2
05-Jan-21	150	100	200	x
06-Jan-21	150	100	200	x
07-Jan-21	200	100	150	5
08-Jan-21	200	100	150	3
09-Jan-21	200	100	150	x
10-Jan-21	200	200	50	x
11-Jan-21	300	50	50	4
12-Jan-21	100	50	150	3
13-Jan-21	150	100	100	x
14-Jan-21	100	100	100	5
15-Jan-21	50	100	100	3
16-Jan-21	100	50	100	4
17-Jan-21	100	50	100	x
18-Jan-21	150	150	100	6
19-Jan-21	250	100	200	x
20-Jan-21	250	100	200	x
21-Jan-21	250	150	200	x
22-Jan-21	250	150	200	200
23-Jan-21	150	125	150	75
24-Jan-21	200	150	100	50
25-Jan-21	300	200	200	x
26-Jan-21	200	200	100	7
27-Jan-21	150	250	275	3
28-Jan-21	150	150	125	2
29-Jan-21	200	160	150	7

6/09/09/2002