

Supplementary Action Taken Report (Response) in the light of the direction issued by the Hon'ble NGT (PB), New Delhi in O.A. No. 390/2021 dated 12.10.2022 in the matter of Jairam Hansda Vs. State of Jharkhand.

1. The unit has been issued direction for submission of Environmental Compensation under section 33(A) of the Water (Prevention & Control of Pollution) Act, 1974 and under section 31(A) of the Air (Prevention & Control of Pollution) Act, 1981, vide this office Memo No. B-488 dated 10.03.2023.

The copy of the direction issued to unit by the Board vides Memo No. B-488 dated 10.03.2023 is enclosed herewith as **Annexure 1.**

2. In light of the direction issued by the Board the unit has submitted its representation to the Board vide its letter dated 16.03.2023.

The copy of representation submitted by the unit vide its letter dated 16.03.2023 is enclosed herewith as **Annexure 2.**

3. The unit has been issued Final Direction for submission of Environmental Compensation under section 33(A) of the Water (Prevention & Control of Pollution) Act, 1974 and under section 31(A) of the Air (Prevention & Control of Pollution) Act, 1981, vide this office Memo No. B-1264 dated 10.05.2023.

The copy of the direction issued to unit by the Board vides Memo No. B-1264 dated 10.05.2023 is enclosed herewith as **Annexure 3.**

(Yatindra Kumar Das)
Member Secretary
SPCB, Jharkhand



JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI-834004
Phone: - 2400852, 2400851 Fax: - 0661-2400850, Website:-www.jspcb.org

Annexure

222

Ref. Letter No. B-458

Ranchi, Dated:- 10/03/2023

From

Y. K. Das
Member Secretary

To

M/s Shah Sponge & Power Ltd.,
Mauza- Juri/ Barasai, P.S. Juri,
Dist- East Singhbhum

Sub: Direction for submission of Environmental Compensation under section 33(A) of the Water (Prevention & Control of Pollution) Act, 1974 and under section 31(A) of the Air (Prevention & Control of Pollution) Act, 1981- regarding.

Whereas, Hon'ble NGT, Principal Bench, New Delhi in its order dated 24.01.2022 in O.A. No. 390/2021 (Jairam Hansda Vs State of Jharkhand) has given certain directions. The operative part of which is as follows: -

"2. Having regard to the seriousness of the allegations, it appears necessary to ascertain the factual position in the matter through a joint Committee of the CPCB, State PCB, Regional Office of MoEF & CC, Bhubaneswar and the District Magistrate-East Singhbhum, (Jharkhand). The State PCB will be the Nodal agency for coordination and compliance. The joint Committee may meet within four weeks and undertake site visit and look into the grievance and take remedial action in accordance with law after following due process. Factual and action taken report may be furnished within three months by e-mail at judicialngt@gov.in"

Whereas, the committee has visited the site in question and its nearby areas on 18.04.2022 and has submitted the report which was forwarded by the Regional Officer, Regional office, JSPC Board, Jamshedpur vide Ref. No. 328 dated 25.04.2022

During inspection the committee, found the unit to be non-complied on the below mentioned points:

- (1) that, exceedence of SOx and NOx (as per OCEMS display), however PM value was found within the prescribed limit;
- (2) that, leakages from the kiln feeding and discharge to cooler
- (3) that, leakages from the kiln emergency cap
- (4) that, sufficient green belt not developed as per CPCB norms;

Whereas, the competent Authority has ordered to calculate the Environmental Compensation against the unit as per the Report of the CPCB In-house Committee on Methodology for Assessing Environmental Compensation and Action Plan to Utilize the Fund. The calculation of Environmental Compensation is as follows:

CALCULATION OF ENVIRONMENTAL COMPENSATION OF

M/S SHAH SPONGE & POWER LTD., MOUZA - JURIBARASAI, PS - JURIBARASAI, DIST - E. SINGHBHUM.

Rizw- EC (Shah Sponge) - Final(A4) 2- Closure/10

Nature of violation – Non compliance of CTO conditions

Basis to levy the Environmental Compensation – Pollution Index

The environmental compensation is based on the following formula:

$$EC = PI \times N \times R \times S \times LF$$

Where,

- EC- Environmental compensation
- PI- Pollution Index of Industrial Sector
- N – Number of days of violation took place
- R – A factor in rupees for EC
- S- Factor of scale of operation
- LF – Location Factor

Now in this case,

PI is to be taken as 90 as the industry belongs to Red category (Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units) (as per CPCB's guidelines).

N is to be taken as 938 days (from 24/09/2019 to 18/04/2022).

R is to be taken as 250 (as per CPCB's guidelines).

S is to be taken 1.5 as the unit belongs to Large Scale as per Notification No. - S.O. 1702(E) – dated 01/06/2020 of Ministry of Micro, Small and Medium Enterprises (S could be 0.5 for micro or small, 1.0 for medium and 1.5 for large units as per CPCB Guidelines).

LF is to be taken as 1.25 as the population of E. Singhbhum is > 1 million. (District Census Handbook, E. Singhbhum of 2011).

Therefore,

$$\begin{aligned} EC \text{ (Per day)} &= PI \times R \times S \times LF \\ &= 90 \times 250 \times 1.5 \times 1.25 \\ &= ₹ 42,187.50/- \end{aligned}$$

Henceforth, the Environmental Compensation for one day comes out to be ₹ 42,187.50/-. So the total Environmental Compensation for 938 days comes out to be ₹ 3,95,71,875.00/- (i.e. Three Crores Ninety Five Lakhs Seventy One Thousand Eight Hundred and Seventy Five Rupees Only).

Whereas, you have been vide this office letter Ref. B-1828 dated 08.09.2022 and Ref. B-2094 dated 29.09.2022 were directed to deposit the Environmental Compensation of ₹ 3,95,71,875.00/- (i.e. Three Crores Ninety Five Lakhs Seventy One Thousand Eight Hundred and Seventy Five Rupees Only) within 07 days of issuance of this letter.

Whereas, the unit vide its letter dated 14.09.2022 has submitted reply of the 2nd show cause notice for non-submission of Environmental Compensation.

Whereas, the unit was asked show cause vide this office Ref. No. B-2094 dated 29.09.2022 for non-submission of Environmental Compensation.

[Signature]

Whereas, the unit vide its letter dated 30.09.2022 has requested for re-consideration of JSPC order dated 26.05.2022 and show cause dated 08.09.2022.

Whereas, the inspection report was sought from the Regional officer, Regional office-cum-Laboratory, JSPC Board, Jamshedpur vide Board's Ref. No. B-2225 dated 14.10.2022 in the light of reply submitted by the unit.

Whereas, the Regional officer, Regional office -cum- Laboratory, JSPC Board, Jamshedpur vide Ref. No. 721 dated 02.11.2022 has submitted the verification report in the light of the reply submitted by the unit. The details of which is as follows:

Sl. No.	Observation by the committee	Verification report
1.	That, exceedance of Sox	During inspection, Data of SOx, Nox and PM not found transmitted to JSPC Board, Server from 2 x 100 TPD Sponge Iron Plant. It was informed that due to thundering, some technical issues has been occurred. However, from 31.10.2022, data is found being transmitted to JSPCB Board, server. The value of Sox, Nox and PM is found within prescribed limit. Mother Board sensor card of stack attached with power plant has been burnt out due to thundering. Hence, data not being transmitted from the stack attached with the power plant.
2.	That, leakage from the kiln feeding and discharge to cooler.	Leakage from kiln feeding has been in control. Leakage from cooler discharge has also found under control. However, it is necessary to changes the torn out bags immediately when, it is noticed.
3.	That, Leakage from the kiln cap.	Leakage from kiln cap. Of rotary kiln 3 & 4 found. The unit representative informed that due to leakage in Boiler of WHRB the emergency cap has been opened to maintain the pressure in rotary kiln.
4.	That, sufficient green belt not developed.	The unit representative informed that about 500 No. of trees has been planted in last three months. But still there is need of more plantations. Unit representative informed that tree plantation is continued and more plantation will be done near future.

Whereas, in the light of observations made during the verification, directions were issued to unit vide Board's Ref. No. B-2411 dated 22.11.2022 to submit the compliance(s) of the following:

- (1) Data of Sox, Nox and PM not found transmitted to JSPC Board server from 2x 100 TPD sponge Iron Plant.
- (2) Torn out bags has to be removed to prevent leakage from kiln feeding and cooler discharge.
- (3) Leakage from Kiln cap of rotary Kiln 3 & 4 was found;
- (4) More tree plantation is required.

Whereas, inspection report was sought from the Regional officer, Regional office -cum- Laboratory, JSPC Board Jamshedpur vide Ref. No. B-2633 dated 19.12.2022 in the light of reply submitted by the unit.

Whereas, the Regional officer, Regional office -cum- Laboratory, JSPC Board, Jamshedpur vide Ref. No. 1190 dated 29.12.2022 has submitted the verification report. The details of which is as follows:

SN.	Observation	Verification report
1.	Data of Sox, Nox and PM not Found transmitted to JSPC Board Server from 2 x 100 TPD Sponge Iron Plant.	During inspection 2 x 100 TPD rotary kiln and power plant found in operation. Online continuous monitoring system for stack monitoring attached with ESP was also found in operation. Data attached at Annex-I.
2.	Torn out bags has to be removed to prevent leakage from kiln feeding and cooler discharge.	Leakage from kiln feeding has been in control. Leakage from cooler discharge has also controlled. The unit has changed the torn out bags. Purchase copy of bags of bag filter is herewith attached at Annex-II.
3.	Leakage from kiln cap of rotary kiln was found.	Leakage from kiln cap has been controlled. The unit representative informed that cast able of kiln cap got damaged due to opening/closing of the cap to maintain pressure in kiln. They regularly repair the damaged constables.
4.	More tree plantation is required.	The plantation along the boundary wall found. The unit representative informed that by March, 2023 they have planned to do tree plantation in 3.5 Acres and by March, 2024 It will be in another 2.2 Acres of land. Altogether 5500 trees will be planted outside the premises in own land. In last three months they have planted 500 No. of trees. It is necessary to take measures for good survival rate of plants.

Now, therefore, in view of the above and by exercising the powers conferred under section 33 (A) of the Water (Prevention and Control of Pollution) Act, 1974 and under section 31 (A) of the Air (Prevention and Control of Pollution) Act, 1981; it is, hereby, directed to deposit the Environmental Compensation of ₹ 3,95,71,875.00/- (i.e. Three Crores Ninety Five Lakhs Seventy One Thousand Eight Hundred and Seventy Five Rupees Only) within 07 days of issuance of this letter, in case of failure to do so an interest of 12 % per annum will be charged and legal action may be initiated against the unit for non-compliance of the directions issued by the Board.

This issues with approval of the competent authority.

Yours faithfully,

(Y. K. Das)
Member Secretary



Amexure - (2)

To,

Dated: 16/03/2023

Sri Y.K. Das
Member Secretary,
Jharkhand State Pollution Control Board.

- Ref. 1. Directions under Order from the Hon'ble National Green Tribunal in OA No. 390/2021.
2. Letter from your good self, bearing memo no B-488 dated 10.03.2023.

Sub- Request for waiving off Environmental Compensation

Dear Sir,

Please refer to your letter as cited above wherein an Environmental Compensation of Rs. 3,95,71,875.00/- (Rupees Three Crores Ninety-Five Lacs Seventy-One Thousand Eight Hundred and Seventy-Five only) has been levied on our Company.

In response to the same it is to submit:

1. That on consideration of the allegations made by Mr. Jairam Hansda against our Company with regard to causing of pollution, the Hon'ble National Green Tribunal (NGT), in its order dated 24.01.2022 had directed to form a Joint Committee (hereinafter referred to as "the committee") to inspect the site of our Company. Accordingly in compliance of the aforesaid directions, the following nominated members of the committee visited our site on 18.04.2022:
- Sri Nandkishore Lal, ADM (L&O, East Singhbhum, Jamshedpur).
 - Dr. T. H. Mahato, Scientist D, MoEF&CC, Ranchi.
 - Sri Jitendra Prasad Singh, Regional Officer, Jharkhand State Pollution Control Board (JSPCB), Jamshedpur.
 - Sri Sandeep Roy, Scientist D, CPCB, RD, Kolkata.

Sri Rizvi
Sd/-
06.04.23



SHAH SPONGE & POWER LTD.



2. That the committee in its Inspection Report has stated that enquiry was made with the Applicant Mr. Jairam Hansda regarding the alleged issues/allegations raised by him in his letter to the Hon'ble Tribunal against our Company. However, the Applicant failed to provide any substantial evidence to vindicate his allegations. The Applicant also failed to show any area affected due to the activities of our Company, nor the Applicant was able to furnish the medical history/treatment record of any affected persons due to pollution from Plant in the nearby areas as allegedly stated in his Application to the Hon'ble Tribunal. The exact verbatim of the inspection report is reproduced in this regard as follows:

*"During visit, the committee members also interacted with the applicant/Petitioner Mr. Jairam Hansda. The applicant mentioned in the Letter/ Application that area upto 3-5 km radius around the Plant Premises is affected by Water/ Air Pollution due to Plant operation. Accordingly, Mr J Hansda was requested to show the affected area, water body etc and Medical history/ treatment of affected persons due to pollution from Plant operation. The Applicant requested Committee Members for site visit around the Plant premises. Accordingly, the Members including Plant Officials visited nearby Water Bodies (2 Nos.) located at SAMARSAHI Village (South side of the Plant). During visit, as observed local populace were using Pond water for bathing, washing etc. The committee members also interacted with Local/ Villagers (Smt Savita Manna, Mr KhokonBhumij, Mr UmapadaPramanik, Mr Santosh Madina, Mr RamapadaPramanik, Mr Raja Pramanik) and as they informed, they are not suffering from any disease (like TB, Asthma etc) as alleged by the Applicant. Significant amount of black dust was observed on leaves of trees upto 200 mtr, then less amount of black dust deposition on leaves was observed at further distance of 200 mtr, in wind direction. **The Applicant could not describe about the Fishery business affected due to pollution from the Plant operation which he mentioned in the Application. Further Mr Jairam Hansda could not show the Affected Place/***



Affected people due to pollution from Plant operation as claimed in his application to Honourable NGT.”

The copy of the inspection report is hereby attached as **Annexure-1**.

3. That admittedly, despite the above observations, the said inspection report pointed out some non-compliance by our Company which is reproduced herein below:
 - a. Exceedance of SOx& NOx (as per OCEMS Display), **however PM value was found within the prescribed limit.**
 - b. Leakages from Kiln feeding and discharge to cooler.
 - c. Leakages from Kiln Emergency cap.
 - d. Sufficient green belt not developed as per CPCB norms.
4. That our Company has subsequently filed a letter dated 30.09.2022 for reconsideration of the order dated 26.05.2022 by JSPCB with regard to environmental compensation submitting that we have taken actions to correct the insufficiencies/discrepancies as pointed out by the Joint Committee. The copy of the said letter is hereby attached as **Annexure-2**.
5. That the JSPCB, directed the Regional officer for the inspection of the plant of our Company and for issuing a verification report for the compliance of the discrepancies. The Regional officer visited our plant on 29.10.2022 and prepared a verification report dated 02.11.2022, which was forwarded to your good self. That on the basis of the verification report our Company was asked to again comply with the remaining deficiencies.
6. That our Company in utmost respect of the law, diligently acted to remove the remaining deficiencies in the plant and submitted an implementation report dated 29.11.2022 to your good self. The copy of the said implementation report is hereby attached as **Annexure-3**.



7. That thereafter, upon receiving the representation from our Company, the regional officer inspected our unit again on 27.12.2022 and made the following observations in their verification report dated 29.12.202

Sl.	Observation	Compliance
1.	Data of SOx, NOx and PM not found transmitted to JSPCB server from 2x100 TPD sponge iron plant	During the inspection 2x100 TPD rotary kiln and power plant found in operation. Online continuous monitoring system for stack monitoring attached with ESP was also found in operation.
2.	Torn out bags has to be removed to prevent leakages from kiln feeding and cooler discharge	Leakage from kiln feeding has been control. Leakage from the cooler discharge has also controlled. The unit has changed the torn out bags.
3.	Leakage from Kiln cap of rotary Kiln was found	Leakage from kiln cap has been controlled. The unit representative informed that the castable of kiln cap got damaged due to opening/closing of the cap to maintain pressure in kiln. They regularly repairing the damaged castables.
4.	More tree plantation required	The plantation along the boundary wall found. The unit representative informed that by March, 2023 they have planned to do tree plantation in 3.5 Acres and by March, 2024 It will be in another 2.2 Acres of land. Altogether 5500 trees will be planted outside the premises in own land. In last three months they have planted 500 No. of trees. It is necessary to take measures for good survival rate of plants.



8. That thereafter receiving the verification report dated 29.12.2022, the JSPCB has furthermore, submitted an Action Taken Report which has been signed by your good self, which comprised of the subsequent actions taken place after passing of the order dated 12.10.2022 in the present Application. We appreciate the fact that considering the verification report dated 29.12.2022, submitted by the regional officer your good self has recorded in the Para 8 of the said Action Taken Report that

*“the abovementioned Inspection Report submitted by the Regional Officer, JSPC Board, Jamshedpur shows that the recommendation of the Committee constituted by the Hon’ble NGT has been complied. **In light of the above the Hon’ble Tribunal may be pleased to dispose of the matter.**”*

Therefore in light of the aforesaid submissions it is our humble request to kindly waive off the environmental compensation levied on our Company which has arisen due to the **false allegations** made against our Company and has already been recommended for disposal by your good self to the Hon’ble NGT.

For **Shah Sponge & Power Limited**

Authorized Signatory

✓ Copy to- Chairman, Jharkhand State Pollution Control Board



September 30, 2022

To,

The Member Secretary,
Jharkhand State Pollution Control Board,
T A Division Building,
Dhurwa, Ranchi, Jharkhand.

Subject: Request for reconsideration of JSPCB Order, dated 26.05.2022 and Show cause dated 08.09.2022.

Reference: Your Office Order vide Ref. Letter No. B-1024, dt. 26.05.2022 and Show cause letter B-1828, dated 08.09.2022 & letter no- B-2094, Dated- 29/09/2022.

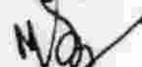
Sir,

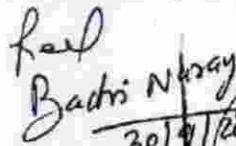
With reference to the above we want to submit the following:

Sl.	Observation by the Committee	Response/Submission
(1)	That, exceedance of SOx and NOx (as per OCEMS display), however PM value was found within the prescribed limit.	The OCEMS system is working properly and data is being transferred to JSPCB & CPCB continuously. The SOx and NOx emissions were within the limit and are maintained at present also. It can be verified, any time. Annexure -1
(2)	That, leakages from the kiln feeding and discharge to cooler.	The leakages from kiln feeding has been controlled with replacement of the worn out iron parts and addition water spraying in the hopper. The cooler discharge section bag filter suction has been improved to control the leakages/fugitive emissions.
(3)	That, leakages from the kiln Cap.	A minimal kiln cap vent takes place to maintain the optimal pressure in the kiln, with respect to flow of flue gases to WHRB. It is not a regular/continuous process and takes place only as emergency as per automatic PLC controller of pressure in the kiln. It is always passed through the WHRB. The venting is loss to power generation hence avoided most of the time.
(4)	That, sufficient greenbelt not developed as per CPCB norms.	Till date, we have already made greenbelt plantation of 6000 trees on an area of 6.5 Acres and we propose to plant balance 5500 trees over 5.7 Acres within two years. Plan for 1 st year (by March, 2023) 3000 trees, area 3.5 Acres, For second year (by March 2024) 2500 trees, over area 2.2 Acres.

The above observations are not a regular practice and are generally maintained as per CTO. In view of the above we request you to kindly re-consider your order and show cause withdrawal.

Thanking You


(Authorized Signatory)


30/9/2022



SHAH SPONGE & POWER LTD.

Registered Office : 7 Grant Lane Ganpati Chambers, Room No. 310, Cabin No. 5, Kolkata W.B. 700012, CIN : U27100WB2005PLC134108
Admn. Office - Holding No- 18, 2nd Floor, Padmalaya Building, Ram Mandir, Group Area, Bistupur, Jamshedpur-831001, (Jharkhand)
Works : Village - Juri, Near Hata, East Singhbhum, Jharkhand -831002, GSTIN - 20AAKCS0068H12M
Phone : 0657-2321512, Fax : 0657-2321518, E-mail : shahsponge@gmail.com, Website : www.shahsponge.com

SPCB Regional Office ^

Industry
Representatives ^
• ARUN SINHA

Shah Sponge And Power Ltd(08JH143) Iron and Steel
JURI,HATA,JAMSHEDPUR, Jamshedpur Jharkhand PIN - 831002
Station: 4



/industry-station-shutdown?id=230

Online Alerts

(Last 30 days)

No Alerts

SMS Communicated

1
(Last 7 Days)

Submit Response (/add-online-alert-respon

Stack_1_Sponge_Iron2x100TPD

NOX	29.4 mg/Nm ³	Diagnostic Status	Sep 29, 2022 12:39:56 PM Time	
SO2	26.4 mg/Nm ³	Diagnostic Status	Sep 29, 2022 12:39:56 PM Time	
PM	11.3 mg/Nm ³	Diagnostic Status	Sep 29, 2022 12:39:56 PM Time	50 mg/Nm ³ Prescribed Standard

Stack_2_FigIron_120_Captive_Power_Plant_08MW

SO2	41.7 mg/Nm ³	Diagnostic Status	Sep 29, 2022 12:39:59 PM Time	
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SPCB Regional Office

Industry Representatives

• ARUN SINHA

Shah Sponge And Power Ltd(08JH143) Iron and Steel
JURI,HATA,JAMSHEDPUR, Jamshedpur Jharkhand PIN - 831002
Station: 4



(Industry-station-shutdown?id=230)

Online Alerts

(Last 30 days)

No Alerts

SMS Communicated

1

(Last 7 Days)

Submit Response (/add-online-alert-respon

		Diagnostic Status	Time		
SO2	26.4 mg/Nm ³	Diagnostic Status	Sep 29, 2022 12:39:56 PM Time	50 mg/Nm ³ Prescribed Standard	
PM	11.3 mg/Nm ³	Diagnostic Status	Sep 29, 2022 12:39:56 PM Time	50 mg/Nm ³ Prescribed Standard	
Stack_2_PigIron_120_Captive_Power_Plant_08MW					
SO2	41.7 mg/Nm ³	Diagnostic Status	Sep 29, 2022 12:39:59 PM Time	50 mg/Nm ³ Prescribed Standard	
PM	42.1 mg/Nm ³	Diagnostic Status	Sep 29, 2022 12:39:59 PM Time	50 mg/Nm ³ Prescribed Standard	

Industry: M/s Shah Sponge and Power Ltd
 Industry Cc 08JH143
 Industry Ca Iron & Steel
 Industry Ty Emission
 Address: Jamshedp

	Stack_1_Sç	Stack_1_Sç	Stack_1_Sponge_Iron2x100TPD(SO2)
range	0-1000	0-2000	0-2000
min	20.593	21.326	28.765
max	43.806	33.363	42.564
avg	34.229	27.715	35.652

SL	datetime	Stack_1_Sç	Stack_1_Sç	Stack_1_Sponge_Iron2x100TPD(SO2)
1	9/28/2022	43.611	28.923	36.015
2	9/28/2022	36.667	25.312	34.459
3	9/28/2022	35.42	27.924	38.027
4	9/28/2022	25.934	29.783	37.124
5	9/28/2022	36.349	26.532	32.635
6	9/28/2022	39.247	28.635	34.931
7	9/28/2022	38.003	29.299	35.979
8	9/28/2022	33.877	32.739	33.749
9	9/28/2022	36.845	26.765	34.82
10	9/28/2022	37.563	24.146	35.061
11	9/28/2022	35.756	28.678	37.608
12	9/28/2022	34.119	28.373	37.263
13	9/28/2022	28.955	30.245	35.206
14	9/28/2022	33.543	26.579	31.769
15	9/28/2022	26.736	26.005	37.091
16	9/28/2022	40.959	27.276	40.369
17	9/28/2022	39.099	24.188	36.773
18	9/28/2022	34.47	28.638	37.222
19	9/28/2022	33.269	23.325	32.292
20	9/28/2022	33.732	30.985	36.241
21	9/28/2022	37.657	27.324	39.165
22	9/28/2022	33.618	27.003	36.496
23	9/28/2022	27.119	25.98	34.221
24	9/28/2022	31.653	27.964	35.691
25	9/28/2022	37.335	28.363	34.195
26	9/28/2022	35.031	28.209	35.025
27	9/28/2022	35.786	28.703	37.985
28	9/28/2022	37.521	29.985	33.262
29	9/28/2022	33.25	23.599	36.127
30	9/28/2022	30.443	22.826	36.065
31	9/28/2022	30.936	27.035	35.041
32	9/28/2022	34.195	25.596	34.577
33	9/28/2022	33.073	28.503	34.498
34	9/28/2022	30.371	27.031	36.157

35 9/28/2022	33.515	28.979	38.627
36 9/28/2022	38.152	26.881	37.411
37 9/28/2022	34.696	28.719	35.977
38 9/28/2022	30.53	26.877	35.09
39 9/28/2022	40.559	29.993	32.558
40 9/28/2022	26.416	28.295	38.733
41 9/28/2022	29.407	26.36	36.443
42 9/28/2022	38.875	24.571	32.885
43 9/28/2022	30.032	29.579	35.199
44 9/28/2022	35.573	27.365	35.919
45 9/28/2022	29.684	27.609	34.555
46 9/28/2022	35.447	31.382	37.113
47 9/28/2022	30.917	27.202	33.765
48 9/28/2022	31.628	26.823	33.139
49 9/28/2022	39.895	26.543	38.789
50 9/28/2022	29.981	25.322	31.633
51 9/28/2022	34.597	28.165	42.564
52 9/28/2022	40.221	32.157	35.927
53 9/28/2022	32.33	22.995	32.146
54 9/28/2022	33.357	27.458	39.317
55 9/28/2022	33.669	31.28	41.135
56 9/28/2022	38.741	27.349	38.037
57 9/28/2022	31.267	31.532	38.453
58 9/28/2022	32.975	25.791	34.818
59 9/28/2022	NA	NA	NA
60 9/28/2022	NA	NA	NA
61 9/28/2022	NA	NA	NA
62 9/28/2022	NA	NA	NA
63 9/28/2022	NA	NA	NA
64 9/28/2022	20.593	26.71	35.49
65 9/28/2022	37.946	22.651	33.427
66 9/28/2022	38.297	28.217	34.523
67 9/28/2022	33.457	23.601	32.131
68 9/28/2022	30.401	31.501	33.605
69 9/28/2022	32.571	28.603	37.99
70 9/28/2022	35.409	26.858	38.439
71 9/28/2022	35.266	29.954	36.3
72 9/28/2022	32.068	29.265	30.911
73 9/28/2022	30	28.519	36.627
74 9/28/2022	33.493	25.683	36.136
75 9/28/2022	36.792	33.116	36.605
76 9/28/2022	33.5	28.585	34.899
77 9/28/2022	37.017	28.141	36.879
78 9/28/2022	40.823	28.401	36.906
79 9/28/2022	40.314	23.859	31.51
80 9/28/2022	29.117	26.337	39.112
81 9/28/2022	33.844	27.593	36.897

and

82 9/28/2022	31.037	27.907	37.103
83 9/28/2022	35.065	30.781	39.285
84 9/28/2022	33.131	24.45	35.269
85 9/28/2022	29.997	25.671	33.377
86 9/28/2022	32.297	29.095	37.407
87 9/28/2022	35.269	25.695	33.319
88 9/28/2022	33.745	26.021	38.31
89 9/28/2022	36.449	30.755	37.007
90 9/28/2022	27.741	28.119	35.612
91 9/28/2022	42.48	27.306	33.793
92 9/28/2022	32.989	25.115	36.466
93 9/28/2022	27.185	29.241	36.221
94 9/28/2022	33.634	26.203	34.219
95 9/28/2022	33.979	32.937	36.148
96 9/29/2022	30.771	29.307	37.688
97 9/29/2022	27.426	31.762	34.697
98 9/29/2022	32.609	26.68	37.944
99 9/29/2022	34.553	25.389	34.56
100 9/29/2022	30.131	26.475	34.571
101 9/29/2022	35.625	30.612	32.661
102 9/29/2022	41.571	30.213	35.531
103 9/29/2022	34.737	26.818	32.463
104 9/29/2022	31.761	30.18	36.654
105 9/29/2022	39.525	29.202	36.86
106 9/29/2022	33.575	29.586	33.183
107 9/29/2022	34.797	28.431	34.26
108 9/29/2022	32.853	26.539	36.658
109 9/29/2022	35.582	27.253	33.683
110 9/29/2022	38.543	27.376	33.483
111 9/29/2022	37.695	26.38	37.308
112 9/29/2022	30.243	23.455	35.299
113 9/29/2022	34.592	30.291	38.609
114 9/29/2022	32.769	28.985	35.847
115 9/29/2022	36.542	27.219	38.295
116 9/29/2022	35.704	27.053	37.226
117 9/29/2022	35.133	28.442	34.415
118 9/29/2022	38.064	25.232	39.432
119 9/29/2022	33.669	29.161	34.573
120 9/29/2022	34.668	31.04	34.825
121 9/29/2022	32.891	25.761	38.901
122 9/29/2022	31.835	33.363	36.918
123 9/29/2022	38.488	32.222	36.105
124 9/29/2022	35.412	27.045	36.541
125 9/29/2022	32.275	23.957	31.216
126 9/29/2022	39.978	24.815	35.394
127 9/29/2022	40.049	27.837	35.185
128 9/29/2022	38.643	27.125	37.171

129 9/29/2022	33.677	27.392	38.535
130 9/29/2022	31.819	29.449	37.034
131 9/29/2022	31.124	28.785	37.525
132 9/29/2022	33.13	29.863	35.055
133 9/29/2022	26.483	25.685	33.02
134 9/29/2022	33.307	21.326	32.897
135 9/29/2022	38.4	22.337	32.989
136 9/29/2022	32.361	25.14	32.287
137 9/29/2022	33.696	32.074	33.487
138 9/29/2022	37.519	27.759	34.136
139 9/29/2022	33.451	28.215	37.239
140 9/29/2022	29.588	26.418	32.998
141 9/29/2022	43.806	29.47	35.844
142 9/29/2022	33.709	29.715	33.937
143 9/29/2022	38.804	25.058	28.765
144 9/29/2022	33.701	29.976	36.449
145 9/29/2022 NA	NA	NA	NA

Industry: M/s Shah Sponge and Power ltd
 Industry Cc 08JH143
 Industry Ca Iron & Steel
 Industry Ty Emission
 Address: Jamshedp

range	Stack_2_Pi Stack_2_PigIron_120_Captive_Power_Plant_08MW(SO2)	
	0-1000	0-1000
min	19.7	21.933
max	33.467	34.573
avg	28.783	30.051

SL	datetime	Stack_2_Pi	Stack_2_PigIron_120_Captive_Power_Plant_08MW(SO2)
1	9/28/2022	26.953	28.427
2	9/28/2022	30.68	31.507
3	9/28/2022	30.987	31.933
4	9/28/2022	24.327	25.82
5	9/28/2022	32.787	33.5
6	9/28/2022	27.773	29.18
7	9/28/2022	27.9	29.26
8	9/28/2022	28	29.556
9	9/28/2022	NA	NA
10	9/28/2022	NA	NA
11	9/28/2022	NA	NA
12	9/28/2022	NA	NA
13	9/28/2022	NA	NA
14	9/28/2022	NA	NA
15	9/28/2022	NA	NA
16	9/28/2022	NA	NA
17	9/28/2022	NA	NA
18	9/28/2022	NA	NA
19	9/28/2022	NA	NA
20	9/28/2022	NA	NA
21	9/28/2022	NA	NA
22	9/28/2022	NA	NA
23	9/28/2022	NA	NA
24	9/28/2022	NA	NA
25	9/28/2022	NA	NA
26	9/28/2022	NA	NA
27	9/28/2022	NA	NA
28	9/28/2022	NA	NA
29	9/28/2022	NA	NA
30	9/28/2022	NA	NA
31	9/28/2022	NA	NA
32	9/28/2022	NA	NA
33	9/28/2022	NA	NA
34	9/28/2022	NA	NA

Shah
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 Regarding -
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35 9/28/2022 NA	NA	
36 9/28/2022 NA	NA	
37 9/28/2022 NA	NA	
38 9/28/2022 NA	NA	
39 9/28/2022 NA	NA	
40 9/28/2022 NA	NA	
41 9/28/2022 NA	NA	
42 9/28/2022	20.64	23.02
43 9/28/2022	32.6	33.367
44 9/28/2022	27.853	29.287
45 9/28/2022	29.06	29.973
46 9/28/2022	27.207	28.673
47 9/28/2022	30.447	31.193
48 9/28/2022	30.54	31.893
49 9/28/2022	24.213	25.64
50 9/28/2022	31.847	33.007
51 9/28/2022	27.66	29.253
52 9/28/2022	28.373	29.667
53 9/28/2022	28.927	30.213
54 9/28/2022	29.313	30.427
55 9/28/2022	31.62	33.1
56 9/28/2022	24.587	26.22
57 9/28/2022	33.233	34.04
58 9/28/2022	29.079	30.221
59 9/28/2022 NA	NA	
60 9/28/2022 NA	NA	
61 9/28/2022 NA	NA	
62 9/28/2022 NA	NA	
63 9/28/2022 NA	NA	
64 9/28/2022	19.7	21.933
65 9/28/2022	25.175	26.75
66 9/28/2022 NA	NA	
67 9/28/2022	29.746	30.9
68 9/28/2022	28.307	29.473
69 9/28/2022	27.487	28.793
70 9/28/2022	30.027	31.02
71 9/28/2022	30.487	31.573
72 9/28/2022	23.32	25.527
73 9/28/2022	33.433	34.153
74 9/28/2022	27.967	29.38
75 9/28/2022	28.107	29.347
76 9/28/2022	28.807	30.52
77 9/28/2022	29.347	30.453
78 9/28/2022	31.513	32.613
79 9/28/2022	24.413	26.133
80 9/28/2022	33.353	33.927
81 9/28/2022	28.507	29.633

82 9/28/2022	26.48	27.98
83 9/28/2022	29.673	30.673
84 9/28/2022	28.747	29.953
85 9/28/2022	30.333	31.427
86 9/28/2022	23.86	26.067
87 9/28/2022	32.027	32.867
88 9/28/2022	30.067	31.227
89 9/28/2022	26.5	27.82
90 9/28/2022	30.953	32.247
91 9/28/2022	28.087	29.607
92 9/28/2022	30.82	32.047
93 9/28/2022	25.4	26.967
94 9/28/2022	32.04	32.76
95 9/28/2022	30.107	31.1
96 9/29/2022	25.113	26.62
97 9/29/2022	31.487	32.2
98 9/29/2022	27.907	29.34
99 9/29/2022	29.373	30.673
100 9/29/2022	25.087	27.187
101 9/29/2022	30.72	31.56
102 9/29/2022	31.287	32.46
103 9/29/2022	25.4	26.733
104 9/29/2022	32.513	33.587
105 9/29/2022	27.627	29.353
106 9/29/2022	29.6	30.813
107 9/29/2022	26.893	28.48
108 9/29/2022	30.627	31.433
109 9/29/2022	31.02	31.853
110 9/29/2022	24.333	25.927
111 9/29/2022	32.767	33.467
112 9/29/2022	27.8	29.173
113 9/29/2022	27.813	29.28
114 9/29/2022	26.94	28.867
115 9/29/2022	29.2	30.42
116 9/29/2022	31.927	32.9
117 9/29/2022	25.757	26.929
118 9/29/2022	33.467	34.573
119 9/29/2022	29.777	31.115
120 9/29/2022	27.207	28.573
121 9/29/2022	29.227	30.46
122 9/29/2022	29.16	30.227
123 9/29/2022	31.16	32.133
124 9/29/2022	24.593	25.973
125 9/29/2022	32.953	33.74
126 9/29/2022	28.34	29.433
127 9/29/2022	25.98	27.113
128 9/29/2022	29.033	31.853

129	9/29/2022	27.98	29.467
130	9/29/2022	32.907	33.75
131	9/29/2022	25.373	27.32
132	9/29/2022	32.287	32.9
133	9/29/2022	30.133	31.327
134	9/29/2022	25.42	26.933
135	9/29/2022	31.487	32.127
136	9/29/2022	28.127	29.44
137	9/29/2022	30.053	31.273
138	9/29/2022	25.767	27.08
139	9/29/2022	31.68	32.5
140	9/29/2022	31.558	32.792
141	9/29/2022	26.029	27.443
142	9/29/2022	32.379	32.893
143	9/29/2022	27.107	29.007
144	9/29/2022	30.493	31.427
145	9/29/2022	NA	NA



To,
The Member Secretary,
JSPCB
T.A. Building, HEC.
RANCHI(JHARKHAND)

date-29/11/2022.

Subj: [unclear]

Ref.: -Your letter no.B-2411 dated 22/11/2022.

Dear Sir,

With reference to the above we want to submit the following Compliance:

Sl.	Observation	Compliance
1.	Found transmitted to JSPCB Board Server from 2x100 TPD sponge Iron Plant.	JSPCB Server. ANNEXURE-1.
2.	Torn out bags has to be removed to prevent leakage from kiln feeding and cooler discharge.	The leakage from kiln feeding has been controlled with replacement of the torn-out parts and additional water spraying in the hopper. The cooler discharge section bag filter suction has been improved to control the leakage. ANNEXURE-2.
3.	Leakage from kiln cap of rotary kiln was found.	A minimal kiln cap vent takes place during emergency to maintain the optimal pressure in the kiln, with respect to flow of flue gases to WHRB in order to avoid high pressure. The venting is a loss to power generation hence is seriously monitored all the time. ANNEXURE-3
4.	More tree plantation is required	Till date we have already planted 5000 trees on an area of 6.5 acres and we propose to plant balance 5500 trees over 5.7 acres within two years. Plan for 1 st year (by March,2023) 3000 trees in area of 3.5 acres, For second year (by March 2024) 2500 trees over 2.2 acres. ANNEXURE-4

This is for your kind perusal and necessary consideration

Thanking You,
Yours Faithfully,
Shah Sponge & Power Ltd.

Authorised Signatory.

Received
OK
REGISTRATION COM.
RANCHI

SHAH SPONGE & POWER LTD.

Head Office: 7 Canal Lane, Ganga Ghosh, Dumka, Jharkhand
Admin. Office: Plotting No. 16, 2nd Floor, Padmalaya Building, Rani Mandir Shop Area, Bistupur, Jamshepur-831001 (Jharkhand)
Works: Village - Jurl, Near Hata, East Singhbhum, Jharkhand -831002, GSTIN - 20AAKCS0068H1ZM
Phone: 0657-2321512, Fax: 0657-2321518, E-mail: shahsponge@gmail.com, Website: www.shahsponge.com

88	M/s Shah Sponge	nd Power Ltd	PigIron_120		DMGA2019087	PM	26.28	mg/Nm3	11-2022 11:46	2022-11-28	44:59Z
89	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	34.22	mg/Nm3	11-2022 11:45	2022-11-28	22:11:25
90	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	SO2	44.75	mg/Nm3	11-2022 11:33	2022-11-28	22:11:10
91	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	20.15	mg/Nm3	11-2022 11:31	2022-11-28	19:53Z
92	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	NOX	19.91	mg/Nm3	11-2022 11:30	2022-11-28	22:11:10
93	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	26.25	mg/Nm3	11-2022 11:30	2022-11-28	22:11:10
94	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	SO2	47.31	mg/Nm3	11-2022 11:18	2022-11-28	22:10:55
95	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	22.94	mg/Nm3	11-2022 11:16	2022-11-28	4:53Z
96	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	SO2	10.83	mg/Nm3	11-2022 11:15	2022-11-28	22:10:55
97	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	NOX	19.94	mg/Nm3	11-2022 11:15	2022-11-28	22:10:55
98	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	23.63	mg/Nm3	11-2022 11:15	2022-11-28	22:10:55
99	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	SO2	59.93	mg/Nm3	11-2022 11:07	2022-11-28	22:10:40
100	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	SO2	41.56	mg/Nm3	11-2022 11:05	2022-11-28	22:10:40
101	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	NOX	15.4	mg/Nm3	11-2022 11:05	2022-11-28	22:10:40
102	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	26.54	mg/Nm3	11-2022 11:04	2022-11-28	22:10:40
103	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	SO2	44.7	mg/Nm3	11-2022 10:53	2022-11-28	22:10:25
104	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	PM	28.49	mg/Nm3	11-2022 10:52	2022-11-28	22:10:25
105	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	NOX	14.96	mg/Nm3	11-2022 10:51	2022-11-28	22:10:25
106	M/s Shah Sponge	nd Power Ltd	PigIron_120		DMGA2019087	PM	11.7	mg/Nm3	11-2022 10:46	2022-11-28	44:58Z
107	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	31.41	mg/Nm3	11-2022 10:46	2022-11-28	44:53Z
108	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	SO2	42.31	mg/Nm3	11-2022 10:37	2022-11-28	022 10:10
109	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	SO2	27.54	mg/Nm3	11-2022 10:36	2022-11-28	022 10:10
110	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	NOX	14.24	mg/Nm3	11-2022 10:35	2022-11-28	022 10:10
111	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	23.36	mg/Nm3	11-2022 10:30	2022-11-28	29:53Z
112	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	SO2	51.84	mg/Nm3	11-2022 10:17	2022-11-28	022 09:55
113	M/s Shah Sponge	nd Power Ltd	PigIron_120		DMGA2019087	PM	45.11	mg/Nm3	11-2022 10:16	2022-11-28	14:59Z
114	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	NOX	11.32	mg/Nm3	11-2022 10:15	2022-11-28	022 09:55
115	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	37.54	mg/Nm3	11-2022 10:15	2022-11-28	022 09:55
116	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	SO2	38.42	mg/Nm3	11-2022 10:07	2022-11-28	022 09:40
117	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	PM	6.56	mg/Nm3	11-2022 10:05	2022-11-28	022 09:40
118	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	SO2	65.95	mg/Nm3	11-2022 10:05	2022-11-28	022 09:40
119	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	NOX	19.97	mg/Nm3	11-2022 10:04	2022-11-28	022 09:40
120	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	20.4	mg/Nm3	11-2022 10:04	2022-11-28	022 09:40
121	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	PM	32.17	mg/Nm3	11-2022 09:50	2022-11-28	022 09:25
122	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	SO2	46.83	mg/Nm3	11-2022 09:50	2022-11-28	022 09:25
123	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	NOX	16.62	mg/Nm3	11-2022 09:49	2022-11-28	022 09:25
124	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	36.05	mg/Nm3	11-2022 09:46	2022-11-28	9:44:54Z
125	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	SO2	60.86	mg/Nm3	11-2022 09:36	2022-11-28	022 09:10
126	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	NOX	17.7	mg/Nm3	11-2022 09:35	2022-11-28	022 09:10
127	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	22.25	mg/Nm3	11-2022 09:31	2022-11-28	19:29:53Z
128	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	SO2	61.85	mg/Nm3	11-2022 09:20	2022-11-28	022 08:55
129	M/s Shah Sponge	nd Power Ltd	PigIron_120	aptive Power Plant_08MV	DMGA2019087	PM	43.51	mg/Nm3	11-2022 09:20	2022-11-28	022 08:55
130	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	SO2	41.77	mg/Nm3	11-2022 09:19	2022-11-28	022 08:55
131	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	NOX	15.51	mg/Nm3	11-2022 09:19	2022-11-28	022 08:55
132	M/s Shah Sponge	nd Power Ltd	Sponge_Iror	100TPD	DMGA2019098	PM	37.08	mg/Nm3	11-2022 09:19	2022-11-28	022 08:55

Sl. No.	Company Name	Plant Name	Unit Name	Parameter	Unit	Value	Date	Time	Remarks	
133	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	NOX	18.96	mp/Nm3	28-11-2022 09:00	28-11-2022
134	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	26.65	mp/Nm3	28-11-2022 09:00	28-11-2022
135	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	SO2	65.43	mp/Nm3	28-11-2022 08:45	28-11-2022
136	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	NOX	19	mp/Nm3	28-11-2022 08:45	28-11-2022
137	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	29.62	mg/Nm3	28-11-2022 08:45	28-11-2022
138	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	PM	10.31	mg/Nm3	28-11-2022 08:31	28-11-2022
139	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	SO2	70.07	mg/Nm3	28-11-2022 08:30	28-11-2022
140	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	NOX	18.91	mg/Nm3	28-11-2022 08:30	28-11-2022
141	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	31.04	mg/Nm3	28-11-2022 08:30	28-11-2022
142	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	SO2	56.46	mg/Nm3	28-11-2022 08:17	28-11-2022
143	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	PM	38.99	mg/Nm3	28-11-2022 08:16	2022-11-28T08:14:58
144	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	37.05	mg/Nm3	28-11-2022 08:16	2022-11-28T08:14:53
145	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	SO2	31.41	mg/Nm3	28-11-2022 08:15	28-11-2022
146	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	NOX	17.44	mg/Nm3	28-11-2022 08:15	28-11-2022
147	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	30.09	mg/Nm3	28-11-2022 08:15	28-11-2022
148	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	SO2	42.39	mg/Nm3	28-11-2022 08:03	28-11-2022
149	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	NOX	17.13	mg/Nm3	28-11-2022 08:00	28-11-2022
150	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	32.85	mg/Nm3	28-11-2022 08:00	28-11-2022
151	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	PM	22.38	mg/Nm3	28-11-2022 07:46	28-11-2022
152	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	23.65	mg/Nm3	28-11-2022 07:46	2022-11-28T07:44:53
153	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	SO2	23.63	mg/Nm3	28-11-2022 07:45	28-11-2022
154	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	NOX	19.55	mg/Nm3	28-11-2022 07:45	28-11-2022
155	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	37.44	mg/Nm3	28-11-2022 07:45	28-11-2022
156	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	SO2	33.5	mg/Nm3	28-11-2022 07:33	28-11-2022
157	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	PM	28.28	mg/Nm3	28-11-2022 07:32	28-11-2022
158	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	SO2	20.06	mg/Nm3	28-11-2022 07:31	28-11-2022
159	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	PM	20.54	mg/Nm3	28-11-2022 07:31	2022-11-28T07:29:58
160	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	29	mg/Nm3	28-11-2022 07:31	2022-11-28T07:29:53
161	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	NOX	19.86	mg/Nm3	28-11-2022 07:30	28-11-2022
162	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	35.75	mg/Nm3	28-11-2022 07:30	28-11-2022
163	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	SO2	58.21	mg/Nm3	28-11-2022 07:17	28-11-2022
164	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	PM	40.66	mg/Nm3	28-11-2022 07:16	28-11-2022
165	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	NOX	14.48	mg/Nm3	28-11-2022 07:15	28-11-2022
166	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	20.85	mg/Nm3	28-11-2022 07:15	28-11-2022
167	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	SO2	49.71	mg/Nm3	28-11-2022 07:01	28-11-2022
168	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	PM	47.44	mg/Nm3	28-11-2022 07:01	2022-11-28T06:59:58
169	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	29.73	mg/Nm3	28-11-2022 07:01	2022-11-28T06:59:53
170	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	PM	4.4	mg/Nm3	28-11-2022 07:01	28-11-2022
171	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	SO2	31.62	mg/Nm3	28-11-2022 07:00	28-11-2022
172	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	NOX	10.12	mg/Nm3	28-11-2022 07:00	28-11-2022
173	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	34.53	mg/Nm3	28-11-2022 07:00	28-11-2022
174	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	SO2	38.11	mg/Nm3	28-11-2022 06:48	28-11-2022
175	M/s Shah Sponge	Ind Power Ltd	PigIron_120	aptive Power Plant_08MW	MGA2019087	PM	37.51	mg/Nm3	28-11-2022 06:47	28-11-2022
176	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	NOX	14.68	mg/Nm3	28-11-2022 06:46	28-11-2022
177	M/s Shah Sponge	Ind Power Ltd	Sponge_Iron	100TPD	MGA2019098	PM	32.48	mg/Nm3	28-11-2022 06:45	28-11-2022

Sl	Company	Plant	Parameter	Unit	Value	Date	Time	Result			
178	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	MW	OMGA2019087	SO2	55.33 mg/Nm3	28-11-2022 06:32	28-1	2022 06:10
179	M/s Sha	ong and Power Ltd	Pigr	120		OMGA2019087	PM	37.81 mg/Nm3	28-11-2022 06:31	2022-11-28T	29-58Z
180	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	MW	OMGA2019087	PM	4.26 mg/Nm3	28-11-2022 06:31	28-11	2022 06:10
181	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	23.66 mg/Nm3	28-11-2022 06:30	2022-11-28T	19-53Z
182	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	SO2	29 mg/Nm3	28-11-2022 06:30	28-11	22 06:10
183	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	NOX	11.09 mg/Nm3	28-11-2022 06:30	28-11	22 06:10
184	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	26.22 mg/Nm3	28-11-2022 06:30	28-11	22 06:10
185	M/s Sha	ong and Power Ltd	Pigr	120		OMGA2019087	PM	11.88 mg/Nm3	28-11-2022 06:16	2022-11-28T	14-58Z
186	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	SO2	41.03 mg/Nm3	28-11-2022 06:15	28-11	22 05:55
187	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	NOX	12.98 mg/Nm3	28-11-2022 06:15	28-11	22 05:55
188	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	35.13 mg/Nm3	28-11-2022 06:15	28-11	22 05:55
189	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	3MW	OMGA2019087	SO2	59.09 mg/Nm3	28-11-2022 06:02	28-11	2022 05:40
190	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	3MW	OMGA2019087	PM	22.12 mg/Nm3	28-11-2022 06:01	28-11	2022 05:40
191	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	SO2	49.23 mg/Nm3	28-11-2022 06:00	28-11	2022 05:40
192	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	NOX	19.46 mg/Nm3	28-11-2022 06:00	28-11	2022 05:40
193	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	36.13 mg/Nm3	28-11-2022 06:00	28-11	2022 05:40
194	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	36.8 mg/Nm3	28-11-2022 05:46	2022-11-28	14-53Z
195	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	NOX	14.11 mg/Nm3	28-11-2022 05:45	28-11	2022 05:25
196	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	22.51 mg/Nm3	28-11-2022 05:45	28-11	2022 05:25
197	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	3MW	OMGA2019087	SO2	43.88 mg/Nm3	28-11-2022 05:33	28-11	2022 05:10
198	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	3MW	OMGA2019087	PM	6.71 mg/Nm3	28-11-2022 05:32	28-11	2022 05:10
199	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	SO2	57.22 mg/Nm3	28-11-2022 05:31	28-11	2022 05:10
200	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	NOX	18 mg/Nm3	28-11-2022 05:30	28-11	2022 05:10
201	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	37.1 mg/Nm3	28-11-2022 05:30	28-11	2022 05:10
202	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	3MW	OMGA2019087	SO2	49.55 mg/Nm3	28-11-2022 05:17	28-11	2022 04:55
203	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	SO2	40.01 mg/Nm3	28-11-2022 05:15	28-11	2022 04:55
204	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	NOX	16.99 mg/Nm3	28-11-2022 05:15	28-11	2022 04:55
205	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	22.31 mg/Nm3	28-11-2022 05:15	28-11	2022 04:55
206	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	3MW	OMGA2019087	SO2	61.42 mg/Nm3	28-11-2022 05:03	28-11	2022 04:40
207	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	3MW	OMGA2019087	PM	14.33 mg/Nm3	28-11-2022 05:02	28-11	2022 04:40
208	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	SO2	33.05 mg/Nm3	28-11-2022 05:01	28-11	2022 04:40
209	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	NOX	15.79 mg/Nm3	28-11-2022 05:00	28-11	2022 04:40
210	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	25.59 mg/Nm3	28-11-2022 05:00	28-11	2022 04:40
211	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	3MW	OMGA2019087	SO2	42.1 mg/Nm3	28-11-2022 04:48	28-11	2022 04:25
212	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	SO2	38.14 mg/Nm3	28-11-2022 04:46	28-11	2022 04:25
213	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	32.8 mg/Nm3	28-11-2022 04:46	2022-11-	104:44:53Z
214	M/s Sha	ong and Power Ltd	Pigr	120		OMGA2019087	PM	25.92 mg/Nm3	28-11-2022 04:46	2022-11-	104:44:59Z
215	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	NOX	19.46 mg/Nm3	28-11-2022 04:45	28-11	2022 04:25
216	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	34.01 mg/Nm3	28-11-2022 04:45	28-11	2022 04:25
217	M/s Sha	ong and Power Ltd	Pigr	120&Captive_Power_Plant	3MW	OMGA2019087	SO2	50.07 mg/Nm3	28-11-2022 04:32	28-11	2022 04:10
218	M/s Sha	ong and Power Ltd	Pigr	120		OMGA2019087	PM	17.83 mg/Nm3	28-11-2022 04:31	2022-11-	104:30:00Z
219	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	SO2	48.05 mg/Nm3	28-11-2022 04:31	28-11	2022 04:10
220	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	32.55 mg/Nm3	28-11-2022 04:30	2022-11-	104:29:54Z
221	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	NOX	11.29 mg/Nm3	28-11-2022 04:30	28-11	2022 04:10
222	M/s Sha	ong and Power Ltd	Spor	Iron2x100TPD		OMGA2019098	PM	20.5 mg/Nm3	28-11-2022 04:30	28-11	2022 04:10

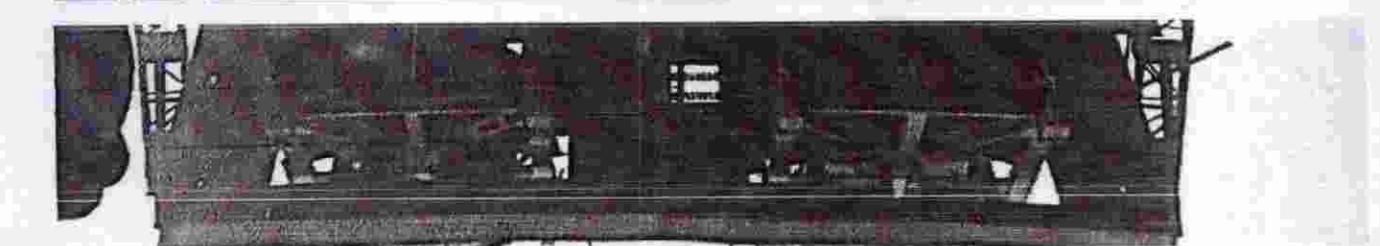
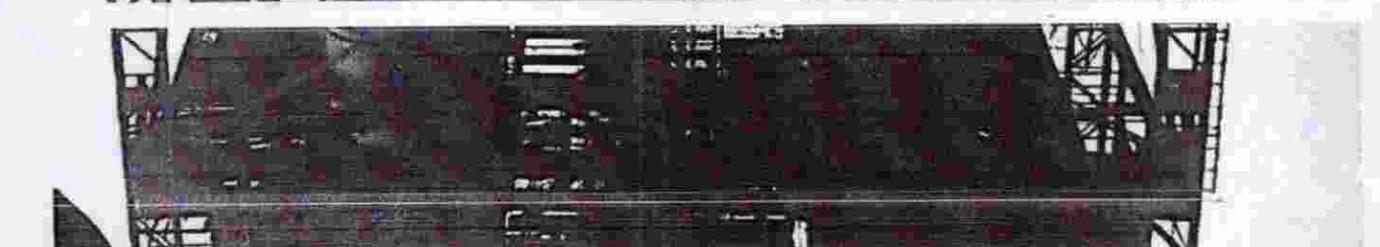
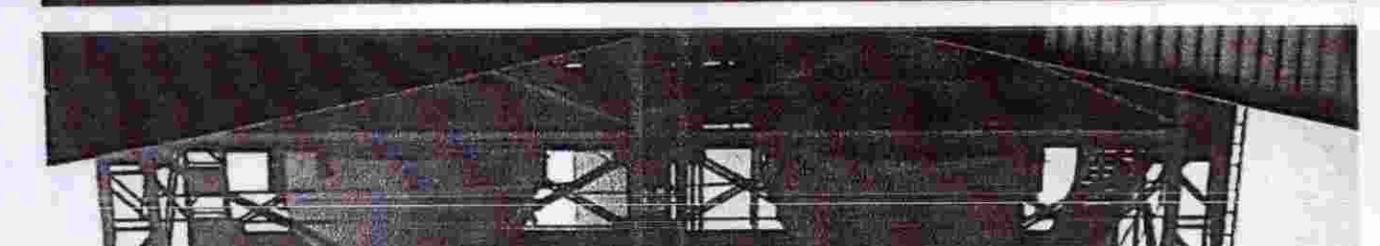
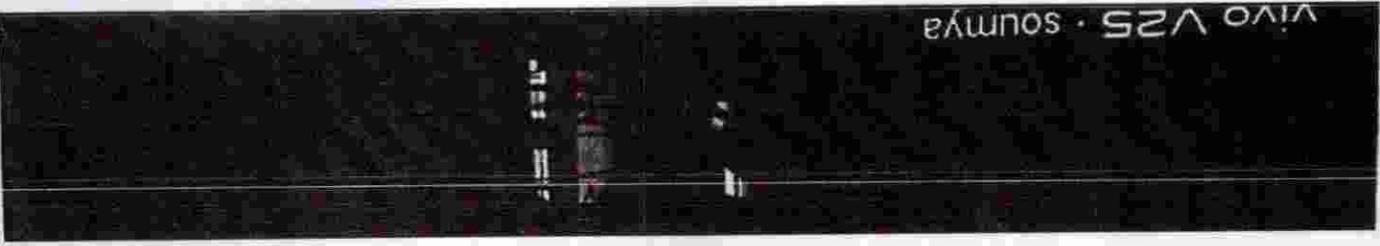
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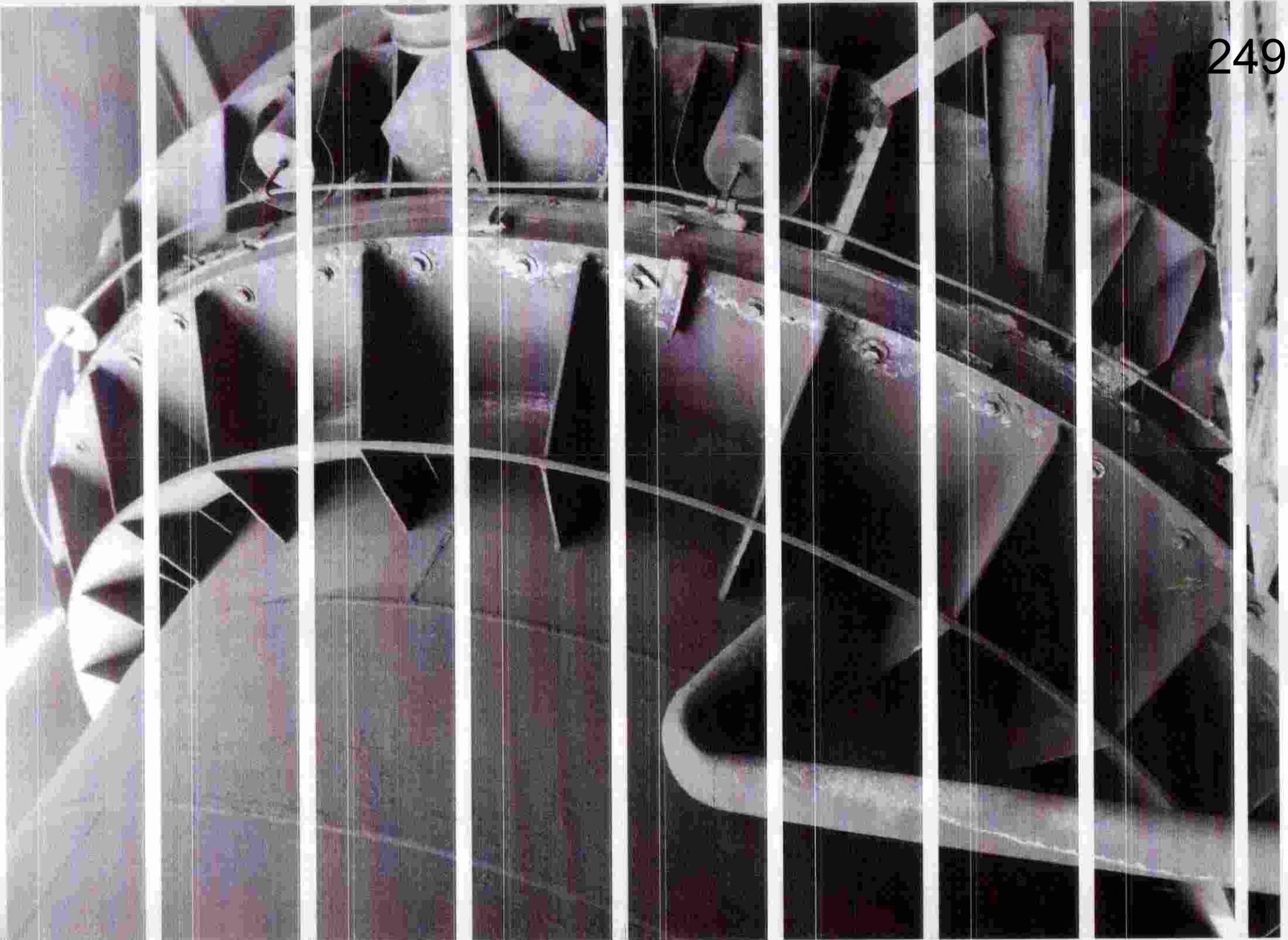
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223	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	SO2	30.2	mg/Nm3	28-1	022 04:17	28-11-2022	55
224	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	PM	45.34	mg/Nm3	28-1	022 04:16	2022-11-28T04:14:53Z	55
225	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	35.58	mg/Nm3	28-1	022 04:16	2022-11-28T04:14:53Z	55
226	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	NOX	12.95	mg/Nm3	28-1	022 04:15	28-11-2022 03:59:58Z	55
227	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	24.34	mg/Nm3	28-11	022 04:15	28-11-2022 03:59:58Z	55
228	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	SO2	38.41	mg/Nm3	28-11	022 04:03	28-11-2022 03:59:58Z	55
229	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	PM	12.46	mg/Nm3	28-11	022 04:02	28-11-2022 03:59:58Z	55
230	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	SO2	51.38	mg/Nm3	28-11	022 04:02	28-11-2022 03:59:58Z	55
231	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	PM	36.7	mg/Nm3	28-11	022 04:01	2022-11-28T03:59:59Z	55
232	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	36.45	mg/Nm3	28-11	022 04:00	28-11-2022 03:59:58Z	55
233	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	SO2	43.71	mg/Nm3	28-11	022 03:48	28-11-2022 03:59:58Z	55
234	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	PM	14.45	mg/Nm3	28-11	022 03:47	28-11-2022 03:59:58Z	55
235	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	32.55	mg/Nm3	28-11	022 03:46	2022-11-28T03:44:53Z	55
236	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	NOX	12.09	mg/Nm3	28-11	022 03:45	28-11-2022 03:59:58Z	55
237	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	28.05	mg/Nm3	28-11	022 03:45	28-11-2022 03:59:58Z	55
238	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	NOX	16.84	mg/Nm3	28-11	022 03:30	28-11-2022 03:59:58Z	55
239	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	22.82	mg/Nm3	28-11	022 03:30	28-11-2022 03:59:58Z	55
240	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	SO2	52.16	mg/Nm3	28-11-2	022 03:18	28-11-2022 02:59:58Z	55
241	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	PM	41.55	mg/Nm3	28-11-2	022 03:16	2022-11-28T03:14:59Z	55
242	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	32.16	mg/Nm3	28-11-2	022 03:15	2022-11-28T03:14:53Z	55
243	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	NOX	13.98	mg/Nm3	28-11-2	022 03:15	28-11-2022 02:59:58Z	55
244	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	26.52	mg/Nm3	28-11-2	022 03:15	28-11-2022 02:59:58Z	55
245	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	SO2	45.14	mg/Nm3	28-11-2	022 03:03	28-11-2022 02:59:58Z	55
246	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	PM	21.71	mg/Nm3	28-11-2	022 03:02	28-11-2022 02:59:58Z	55
247	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	35.98	mg/Nm3	28-11-2	022 03:01	2022-11-28T02:59:53Z	55
248	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	NOX	15.49	mg/Nm3	28-11-2	022 03:00	28-11-2022 02:59:58Z	55
249	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	26.4	mg/Nm3	28-11-2	022 03:00	28-11-2022 02:59:58Z	55
250	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	SO2	29.42	mg/Nm3	28-11-2	022 02:48	28-11-2022 02:59:58Z	55
251	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	NOX	14.42	mg/Nm3	28-11-2	022 02:45	28-11-2022 02:59:58Z	55
252	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	31.08	mg/Nm3	28-11-2	022 02:45	28-11-2022 02:59:58Z	55
253	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	SO2	56.33	mg/Nm3	28-11-2	022 02:34	28-11-2022 02:59:58Z	55
254	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	23.63	mg/Nm3	28-11-2	022 02:31	2022-11-28T02:29:53Z	55
255	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	21.69	mg/Nm3	28-11-2	022 02:30	28-11-2022 02:59:58Z	55
256	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	SO2	35.51	mg/Nm3	28-11-2	022 02:18	28-11-2022 01:59:58Z	55
257	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	PM	45.79	mg/Nm3	28-11-2	022 02:18	28-11-2022 01:59:58Z	55
258	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	38.31	mg/Nm3	28-11-2	022 02:16	2022-11-28T02:14:53Z	55
259	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	31.02	mg/Nm3	28-11-2	022 02:15	28-11-2022 01:59:58Z	55
260	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	SO2	48.96	mg/Nm3	28-11-2	022 02:04	28-11-2022 01:40:53Z	55
261	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	PM	32.21	mg/Nm3	28-11-2	022 02:03	28-11-2022 01:40:53Z	55
262	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	SO2	50.94	mg/Nm3	28-11-2	022 02:02	28-11-2022 01:40:53Z	55
263	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	28.88	mg/Nm3	28-11-2	022 02:01	2022-11-28T01:59:53Z	55
264	M/s Shah Spor and Power ltd	Pigiron 12	Captive_Power_Plant_08MW	OMGA2019087	PM	17.16	mg/Nm3	28-11-2	022 02:01	2022-11-28T01:59:58Z	55
265	M/s Shah Spor and Power ltd	Sponge_Iron	x100TPD	OMGA2019098	PM	37.72	mg/Nm3	28-11-2	022 02:00	28-11-2022 01:40:53Z	55

266	's Shah Sponge and P	er ltd	Sponge_Iron	.00TPD									
267	's Shah Sponge and P	er ltd	Sponge_Iron	.00TPD	OMGA2019098	P	22.4	ng/Nm3	28-11-2022 0	5	28-11-2022 01		
					OMGA2019098	P	32.1	ng/Nm3	28-11-2022 0	0	28-11-2022 01		
268	's Shah Sponge and P	er ltd	PigIron_120	iptive_Power_Plant_0	IW	OMGA2019087	S	48.2	ng/Nm3	28-11-2022 0	7	28-11-2022 00	
269	's Shah Sponge and P	er ltd	PigIron_120			OMGA2019087	P	38.2	ng/Nm3	28-11-2022 0	6	2022-11-28T01:14:59	
270	's Shah Sponge and P	er ltd	Sponge_Iron	.00TPD		OMGA2019098	N	16.4	ng/Nm3	28-11-2022 0	5	28-11-2022 00	
271	's Shah Sponge and P	er ltd	Sponge_Iron	.00TPD		OMGA2019098	P	28.7	ng/Nm3	28-11-2022 0	5	28-11-2022 00	
272	's Shah Sponge and P	er ltd	PigIron_120	iptive_Power_Plant_0	IW	OMGA2019087	S	61.0	ng/Nm3	28-11-2022 0	3	28-11-2022 00	
273	's Shah Sponge and P	er ltd	PigIron_120	iptive_Power_Plant_0	IW	OMGA2019087	P	20.8	ng/Nm3	28-11-2022 0	3	28-11-2022 00	
274	's Shah Sponge and P	er ltd	Sponge_Iron	.00TPD		OMGA2019098	N	19.	ng/Nm3	28-11-2022 0	1	28-11-2022 00	
275	's Shah Sponge and P	er ltd	Sponge_Iron	.00TPD		OMGA2019098	P	37.0	ng/Nm3	28-11-2022 0	0	28-11-2022 00	
276	's Shah Sponge and P	er ltd	PigIron_120	iptive_Power_Plant_0	IW	OMGA2019087	S	41.1	ng/Nm3	28-11-2022 0	9	28-11-2022 00	
277	's Shah Sponge and P	er ltd	PigIron_120	iptive_Power_Plant_0	IW	OMGA2019087	F	36.8	ng/Nm3	28-11-2022 0	8	28-11-2022 00	
278	's Shah Sponge and P	er ltd	Sponge_Iron	.00TPD		OMGA2019098	S	11.0	ng/Nm3	28-11-2022 0	7	28-11-2022 00	
279	's Shah Sponge and P	er ltd	PigIron_120			OMGA2019087	F	6.7	ng/Nm3	28-11-2022 0	6	2022-11-28T00:44:5	
280	's Shah Sponge and P	er ltd	Sponge_Iron	.00TPD		OMGA2019098	F	21.8	ng/Nm3	28-11-2022 0	5	28-11-2022 00	
281	's Shah Sponge and P	er ltd	PigIron_120	iptive_Power_Plant_0	IW	OMGA2019087	S	48.2	mg/Nm3	28-11-2022 0	4	28-11-2022 00	

VIVO V25 · soumya

Nov 25, 2022, 16:22





M/s. Ever Green Horticultural {NURSERY}

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FARM-FULDUNGRI, NEAR KOUSHLYA LODGE, P.O.: Ghatsila, Dist.-East Singhbhum-832303 Leading Growers & Suppliers of all Sorts of Foresty Fruits, Shurbs, Ornamental, Flowers Seeds & Plants

L.No.-D.A.O.-01/2008

GST No.-20AKJPP9346B1ZB

Bill No. 29

Date: 17/04/2022

Receipt/Bayer's Name-
Shah Spange & Powers Ltd.

Consigner's Name-

Hata

MUFESS-

Sl.No.	Description	Quantity	Rate	Rs.	Amount	p
02.	Sisam	200 Pcs	25.00	5,000/-	00	
03.	Karanj	200 Pcs	22.00	4,400/-	00	
	Munakani	200 Pcs	15.00	3,000/-	00	
05.	Green Simbal	200 Pcs	30.00	6,000/-	00	
GRAND TOTAL				Rs. 22,000/-	00	

only

Note: 06. Live trees and other plants bulbs, roots, and the like cut flowers and ornamental foliage GST exempted.

Signature
17/04/2022

For, M./s EVERGREEN HORTICULTURAL NURSERY

M/s. Ever Green Horticultural {NURSERY}

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FARM-FULDUNGRI, NEAR KOUSHELYA LODGE, P.O.: Ghatsila, Dist. - East Singhbhum-832303 Leading Growers & Suppliers of all
Sorts of Foresty Fruits, Shurbs, Ornamental, Flowers Seeds & Plants

L.No.-D.A.O.-01/2008

GST No.-20AKJPP9346D1CD

Bill No. 36

Date: 22/05/2022

Receipt/Buyer's Name-
Shah Sange & Power Ltd.
Address-

Consigner's Name-
Address-

Mata

Sl.No.	Description	Quantity	Rate	Amount	
				Rs.	p
01.	Poltu	200ks	18.00	3,600/-	00
02.	Sisam	200ks	25.00	5,000/-	00
03.	Karanj	200ks	22.00	2,200/-	00
04.	Mahaneem	200ks	15.00	3,000/-	00
05.	Green Simbal	200ks	30.00	6,000/-	00
		900ks.			
GRAND TOTAL				Rs. 19,800/-	00

Rupees.....Nineteen Thousand Eight
.....Hundred.....Only.....

Note: 06. Livetrees and other plants bulbs, roots, and the like

Signature
22/05/22

Inspection Report

In the matter Original Application No 390/21/PB, Hon'ble National Green Tribunal vide order dated 24/01/2022, issued direction based upon the Grievance raised by Sri Jairam Hansda against M/s Shah Sponge Iron & Power Ltd, Juri, East Singhbhum. The Hon'ble NGT issued following direction:

"Having regard to the seriousness of the allegations, it appears necessary to ascertain the factual position in the matter through a joint Committee of the CPCB, State PCB, Regional Office of MoEF& CC, Bhubaneswar and the District Magistrate-East Singhbnum, (Jharkhand). The State PCB will be the Nodal agency for coordination and compliance. The joint Committee may meet within four weeks and 2 undertake site visit and look into the grievance and take remedial action in accordance with law after following due process".

Accordingly, following Officials Inspected the site on 18th April 2022:

- Sri Nandkishore Lal, ADM (L& O), East Singhbhum, Jamshedpur
- Dr T H Mahato, Scientist D, MoEF&CC, Ranchi
- Sri Jitendra Prasad Singh, Regional Officer, JSPCB, Jamshedpur
- Sri Sandeep Roy, Scientist D, CPCB, RD, Kolkata

Following Officials from M/s Shah Sponge & Iron Ltd were present during inspection:

- Sri Anup Sinha, Director
- Sri S P Mishra, GM-Tech

Sri Jairam Hansda, Applicant/ Petitioner of the said matter was also present during the inspection.

About the Plant:

M/s Shah Sponge Iron & Power Ltd is in operation at Village Jurl, East Singhbhum, Jharkhand. Following manufacturing/ production facilities are available with the plant:

- DRI (Sponge Iron) Unit: 100 TPD x 4
- Captive Power Plant: 8 MW (4 MW WHRB & 4 MW AFBC Boiler)
- Fly ash Bricks: 1.4 Lac Brick/ day
- Induction furnace: 12 TPD x 4

ESP has been installed with DRI and CPP as APCD. The Stack height is reported to be 65 m with dia of 2.5 m. Bag filters have been installed at strategic location of material conveying area.

The Consent to Operate (CTO) is valid till 30/06/2024 and Hazardous waste authorization is valid till 11/08/2025.

Observation:

- I. The plant was found operational during visit. The total area of the plant is reported to be 35 Acres.
- II. Online Continuous Emission Monitoring system (OCEMS) has been installed in two Stacks and emission data has been transferred to JSPCB & CPCB Servers. The OCEMS is installed by M/s Vasthi Instruments Pvt Ltd.
- III. The OCEMS calibration is carried out by M/s Vasthi Instruments Pvt Ltd. and Calibration is valid till 27/08/2022.
- IV. During inspection the OCEMS analysed value for SO_x & NO_x were observed (intermittently) as 90 mg/Nm³ & 91 mg/Nm³ respectively which were exceeding the CTO prescribed norms of 80 mg/Nm³.
- V. During inspection, leakages from Kiln (raw material feeding end) and DRI Discharge to Cooler were observed thus causing fugitive emission in the premises.

- VI. The intermittent leakages from DRI emergency cap was also observed causing fugitive emission.
- VII. Transport road inside the premises was mainly paved by pavers block. Dust accumulation was observed on the premises and causing fugitive emission due to plying of vehicles.
- VIII. During visit water sprinkling observed on the road between Plant and Highway. The said road length is 800 m (approx). As informed, water is sprinkled 3-4 times in a day however it may not be sufficient to control generation of fugitive emission on the approach road.
- IX. Dust (black) layer has been observed on the Leaves inside the plant premises. This reflects the frequent fugitive emission from Plant operations.
- X. Water sprinklers have been mounted on road side inside the plant premises, however during visit the sprinkler were not in operation.
- XI. The char generated from DRI unit is used in the AFBC Boiler for power generation. As informed, char generation is 350 TPD (approx) and its utilisation is 100%.
- XII. Fly ash generated from CPP (AFBC Boiler) is used for low lying area filling and Brick manufacturing. Daily ash generation is 280 T (approx). The plant is having their own Brick Manufacturing unit inside the premises.
- XIII. Daily water consumption for industrial and domestic utilities is reported to be 305 KL. CGWA has granted permission to draw water upto 905 KLD. As informed, any type of industrial water is not discharged outside of the Plant. Kiln cooling water is continuously recycled in the process.
- XIV. Plantation has been observed inside the premises. From 2017 to 2022 they reportedly planted 5565 nos. trees of various varieties like Sagwan, Gulmohar, Bargad, Jamun, Shisham etc. The plantation has been reportedly done over 6 acres of area. However, green belt as per CPCB norms has not been developed.

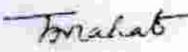
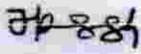
- XV. The project reported carrying out activities like Health Check up camp, to provide Ambulance, Drinking water distribution, Organising Cricket/ Football match etc. as activity under Corporate Social Responsibility. However, they were unable to provide respective documents like log book of Ambulance movement, Health check-up records/ photographs etc.

During visit, the committee members also interacted with the Applicant/ Petitioner Mr Jairam Hansda. The applicant mentioned in the Letter/ Application that area upto 3-5 Km radius around the Plant Premises is affected by Water/ Air Pollution due to Plant operation. Accordingly, Mr J Hansda was requested to show the affected area, water body etc and Medical history/ treatment of affected persons due to pollution from Plant operation. The Applicant requested Committee Members for site visit around the Plant premises. Accordingly, the Members including Plant Officials visited nearby Water Bodies (2 Nos.) located at SAMARSAHI Village (South side of the Plant). During visit, as observed local populace were using Pond water for bathing, washing etc. The committee members also interacted with Local/ Villagers (Smt Savita Manna, Mr Khokon Bhumi, Mr Umapada Pramanik, Mr Santosh Madina, Mr Ramapada Pramanik, Mr Raja Pramanik) and as they informed, they are not suffering from any disease (like TB, Asthma etc) as alleged by the Applicant. Significant amount of black dust was observed on leaves of trees upto 200 mtr, then less amount of black dust deposition on leaves was observed at further distance of 200 mtr, in wind direction. The Applicant could not describe about the Fishery business affected due to pollution from the Plant operation which he mentioned in the Application. Further Mr Jairam Hansda could not show the Affected Place/ Affected people due to pollution from Plant operation as claimed in his application to Honourable NGT.

However, during inspection, on following aspects, Plant was found Non-complied:

- Exceedance of SO_x & NO_x (as per OCEMS Display), however PM value was found within the prescribed limit.
- Leakages from Kiln feeding and discharge to cooler.
- Leakages from Kiln Emergency cap.
- Sufficient green belt not developed as per CPCB norms.

It is, therefore, proposed that M/s Shah Sponge & Power Ltd may be directed to submit time bound action plan for compliance of the above and submit a Bank Guarantee of Rs 25 Lac (Twenty five lac only) with concerned Dept.

			
(Dr T H Mahato) Scientist D	(Sandeep Roy) Scientist D	(J P Singh) Regional Officer	(Nand Kishore Lal) ADM- L&O



Dust layer on tree leaves (inside the Plant)

Water pond at SAMARSAHI Village

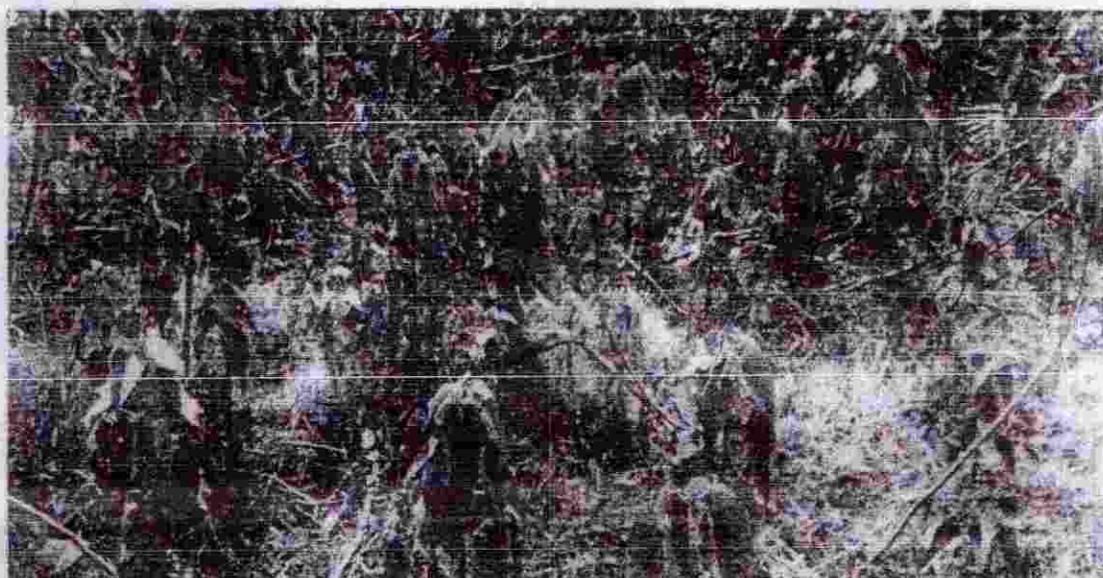


Dust spillage in Plant area





Water body at SAMARSAHI Village



Status of Leaves (1 km from Plant area), No black dust found



OCEMS Reading for DRI (@1310hrs dt 18/01/2022)



JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI-834004
Phone: - 2400852, 2400851 Fax :- 0661-2400850, Website:-www.jspcb.org

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Annexure - III

Ref. Letter No. _____

Ranchi, Dated:- _____

LAST REMINDER

From

Y. K. Das
Member Secretary

To

M/s Shah Sponge & Power Ltd.,
Mauza- Juri/ Barasai, P.S. Juri,
Dist- East Singhbhum

Sub: Final Direction for submission of Environmental Compensation under section 33(A) of the Water (Prevention & Control of Pollution) Act, 1974 and under section 31(A) of the Air (Prevention & Control of Pollution) Act, 1981- regarding.

Ref: Board's Letter No. B-488 dated 10.03.2023

Whereas, Hon'ble NGT, Principal Bench, New Delhi in its order dated 24.01.2022 in O.A. No. 390/2021 (Jairam Hansda Vs State of Jharkhand) has given certain directions. The operative part of which is as follows: -

"2. Having regard to the seriousness of the allegations, it appears necessary to ascertain the factual position in the matter through a joint Committee of the CPCB, State PCB, Regional Office of MoEF & CC, Bhubaneswar and the District Magistrate-East Singhbhum, (Jharkhand). The State PCB will be the Nodal agency for coordination and compliance. The joint Committee may meet within four weeks and undertake site visit and look into the grievance and take remedial action in accordance with law after following due process. Factual and action taken report may be furnished within three months by e-mail at judicialngt@gov.in"

Whereas, the committee has visited the site in question and its nearby areas on 18.04.2022 and has submitted the report which was forwarded by the Regional Officer, Regional office, JSPC Board, Jamshedpur vide Ref. No. 328 dated 25.04.2022

During inspection the committee, found the unit to be non-complied on the below mentioned points:

- (1) that, exceedence of SOx and NOx (as per OCEMS display), however PM value was found within the prescribed limit;
- (2) that, leakages from the kiln feeding and discharge to cooler
- (3) that, leakages from the kiln emergency cap
- (4) that, sufficient green belt not developed as per CPCB norms;

Whereas, the competent Authority has ordered to calculate the Environmental Compensation against the unit as per the Report of the CPCB In-house Committee on Methodology for Assessing Environmental Compensation and Action Plan to Utilize the Fund. The calculation of Environmental Compensation is as follows:

ok
Rizvi- EC (Shah Sponge) - Final(A4) 2- Closure/16

CALCULATION OF ENVIRONMENTAL COMPENSATION OF

M/S SHAH SPONGE & POWER LTD., MOUZA - JURI/BARASAI, PS - JURI, DIST - E. SINGHBHUM.

Nature of violation - Non compliance of CTO conditions

Basis to levy the Environmental Compensation - Pollution Index

The environmental compensation is based on the following formula:

$$EC = PI \times N \times R \times S \times LF$$

Where,

EC- Environmental compensation

PI- Pollution Index of Industrial Sector

N - Number of days of violation took place

R - A factor in rupees for EC

S- Factor of scale of operation

LF - Location Factor

Now in this case,

PI is to be taken as 90 as the industry belongs to Red category (Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units) (as per CPCB's guidelines).

N is to be taken as 938 days (from 24/09/2019 to 18/04/2022).

R is to be taken as 250 (as per CPCB's guidelines).

S is to be taken 1.5 as the unit belongs to Large Scale as per Notification No. - S.O. 1702(E) - dated 01/06/2020 of Ministry of Micro, Small and Medium Enterprises (S could be 0.5 for micro or small, 1.0 for medium and 1.5 for large units as per CPCB Guidelines).

LF is to be taken as 1.25 as the population of E. Singhbhum is > 1 million. (District Census Handbook, E. Singhbhum of 2011).

Therefore,

$$\begin{aligned} EC \text{ (Per day)} &= PI \times R \times S \times LF \\ &= 90 \times 250 \times 1.5 \times 1.25 \\ &= ₹ 42,187.50/- \end{aligned}$$

Henceforth, the Environmental Compensation for one day comes out to be ₹ 42,187.50/-. So the total Environmental Compensation for 938 days comes out to be ₹ 3,95,71,875.00/- (i.e. Three Crores Ninety Five Lakhs Seventy One Thousand Eight Hundred and Seventy Five Rupees Only).

Whereas, you have been vide this office letter Ref. B-1828 dated 08.09.2022 and Ref. B-2094 dated 29.09.2022 were directed to deposit the Environmental Compensation of ₹ 3,95,71,875.00/- (i.e. Three Crores Ninety Five Lakhs Seventy One Thousand Eight Hundred and Seventy Five Rupees Only) within 07 days of issuance of this letter.

Whereas, the unit vide its letter dated 14.09.2022 has submitted reply of the 2nd show cause notice for non-submission of Environmental Compensation.

Whereas, the unit was asked show cause vide this office Ref. No. B-2094 dated 29.09.2022 for non submission of Environmental Compensation.

Whereas, the unit vide its letter dated 30.09.2022 has requested for re-consideration of JSPCB order dated 26.05.2022 and show cause dated 08.09.2022.

Whereas, the inspection report was sought from the Regional officer, Regional office-cum-Laboratory, JSPC Board, Jamshedpur vide Board's Ref. No. B-2225 dated 14.10.2022 in the light of reply submitted by the unit.

Whereas, the Regional officer, Regional office-cum-Laboratory, JSPC Board, Jamshedpur vide Ref. No. 721 dated 02.11.2022 has submitted the verification report in the light of the reply submitted by the unit. The details of which is as follows:

Sl. No.	Observation by the committee	Verification report
1.	That, exceedance of Sox	During inspection, Data of SOx, Nox and PM not found transmitted to JSPC Board, Server from 2 x 100 TPD Sponge Iron Plant. It was informed that due to thundering, some technical issues has been occurred. However, from 31.10.2022, data is found being transmitted to JSPCB Board, server. The value of Sox, Nox and PM is found within prescribed limit. Mother Board sensor card of stack attached with power plant has been burnt out due to thundering. Hence, data not being transmitted from the stack attached with the power plant.
2.	That, leakage from the kiln feeding and discharge to cooler.	Leakage from kiln feeding has been in control. Leakage from cooler discharge has also found under control. However, it is necessary to changes the torn out bags immediately when, it is noticed.
3.	That, Leakage from the kiln cap.	Leakage from kiln cap. Of rotary kiln 3 & 4 found. The unit representative informed that due to leakage in Boiler of WHRB the emergency cap has been opened to maintain the pressure in rotary kiln.
4.	That, sufficient green belt not developed.	The unit representative informed that about 500 No. of trees has been planted in last three months. But still there is need of more plantations. Unit representative informed that tree plantation is continued and more plantation will be done near future.

Whereas, in the light of observations made during the verification, directions were issued to unit vide Board's Ref. No. B-2411 dated 22.11.2022 to submit the compliance(s) of the following:

- (1) Data of Sox, Nox and PM not found transmitted to JSPC Board server from 2x 100 TPD sponge Iron Plant.
- (2) Torn out bags has to be removed to prevent leakage from kiln feeding and cooler discharge.

(3) Leakage from Kiln cap of rotary Kiln 3 & 4 was found;

(4) More tree plantation is required.

Whereas, inspection report was sought from the Regional officer, Regional office -cum- Laboratory, JSPC Board Jamshedpur vide Ref. No. B-2633 dated 19.12.2022 in the light of reply submitted by the unit.

Whereas, the Regional officer, Regional office -cum- Laboratory, JSPC Board, Jamshedpur vide Ref. No. 1190 dated 29.12.2022 has submitted the verification report. The details of which is as follows:

SN.	Observation	Verification report
1.	Data of Sox, Nox and PM not Found transmitted to JSPC Board Server from 2 x 100 TPD Sponge Iron Plant.	During inspection 2 x 100 TPD rotary kiln and power plant found in operation. Online continuous monitoring system for stack monitoring attached with ESP was also found in operation. Data attached at Annex-I.
2.	Torn out bags has to be removed to prevent leakage from kiln feeding and cooler discharge.	Leakage from kiln feeding has been in control. Leakage from cooler discharge has also controlled. The unit has changed the torn out bags. Purchase copy of bags of bag filter is herewith attached at Annex-II.
3.	Leakage from kiln cap of rotary kiln was found.	Leakage from kiln cap has been controlled. The unit representative informed that cast able of kiln cap got damaged due to opening/closing of the cap to maintain pressure in kiln. They regularly repair the damaged constables.
4.	More tree plantation is required.	The plantation along the boundary wall found. The unit representative informed that by March, 2023 they have planned to do tree plantation in 3.5 Acres and by March, 2024 It will be in another 2.2 Acres of land. Altogether 5500 trees will be planted outside the premises in own land. In last three months they have planted 500 No. of trees. It is necessary to take measures for good survival rate of plants.

Whereas, Board vide letter No. B-488 dated 10.03.2023 issued direction for submission of Environmental Compensation;

Whereas, the unit vide its letter dated 16.03.2023 has requested for waiving off Environmental Compensation(EC).

Whereas, after reviewing the request, it was decided that EC has been imposed for violation, which is not feasible to waive the EC.

Now, therefore, in view of the above and by exercising the powers conferred under section 33 (A) of the Water (Prevention and Control of Pollution) Act, 1974 and under section 31 (A) of the Air

(Prevention and Control of Pollution) Act, 1981. It is, hereby, directed bu giving final chance to deposit the Environmental Compensation of ₹ 3,95,71,875.00/- (i.e. Three Crores Ninety Five Lakhs Seventy One Thousand Eight Hundred and Seventy Five Rupees Only) within [] of issuance of this letter, in case of failure to do so an interest of 12 % per annum will be charged and legal action may be initiated against the unit for non-compliance of the directions issued by the Board.

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This issues with approval of the competent authority.

Yours faithfully,

Sd/-
(Y. K. Das)
Member Secretary

Memo No.....

Ranchi, dated

Copy to: the Secretary, Jharkhand State Electricity Board, Ranchi/ the General Manager, Jharkhand Vidyut Nigam Limited, East Singhbhum / the Chief Inspector of Factories, Ranchi for information and necessary action please.

Sd/-
(Y. K. Das)
Member Secretary

Memo No.....

Ranchi, dated

Copy to: the Deputy Commissioner, East Singhbhum / the DFO, East Singhbhum / the GM, DIC, East Singhbhum. It is requested to ensure the compliance of the directions issued by the Board.

Sd/-
(Y. K. Das)
Member Secretary

Memo No. B-1264..

Ranchi, dated 10/05/2023

Copy to: The Regional Officer, Regional Office-cum-Laboratory, JSPC Board, Jamshedpur for information & necessary action. It is hereby directed to deliver the letter to the unit from your level and report to this office immediately.

Sd/-
(Y. K. Das)
Member Secretary