



JSW Cement Limited
Jambadia, P.O.: Saiyedpur via Salboni
Paschim Medinipur, Pin-721147
West Bengal
Phone : 03222 270100
Website : www.jsw.in

Ref. No.: JSWCL/SALBONI/ENV/2023-24/06

Date: 26th May 2023

To
The Inspector General of Forests
Ministry of Environment, Forest and Climate Change
Integrated Regional Office, Kolkata IB – 198
Sector – III, Salt Lake City
Kolkata - 700106

Sub. : Submission of Six Monthly Compliance Report against Stipulated Conditions of EC Letter

Ref. : Environmental Clearance Letter issued by SEIAA, West Bengal vide Letter No. - 2015/EN/T-II-1/002/2017 dated 07.09.2017.

Respected Sir,

With reference to above subject matter, hereby we are submitting the Six Monthly Compliance report for the Period of October-2022 to March-2023 against Stipulated Conditions of EC Letter for our Cement Grinding Unit 3.6 MTPA and 2X18 MW CPP at Vill - Salboni, Dist - Paschim Medinipur, West Bengal.

This is for your kind reference and necessary record keeping purpose.

Thanks and Regards,

For JSW Cement Limited, Salboni

Sajeesh G.
Vice President and Unit Head



Copy to :

1. Chief Environmental Officer and Member Secretary, SEIAA, West Bengal,
2. The Member Secretary, West Bengal Pollution Control Board, Regional Office, West Bengal Pollution Control Board, Haldia.

**ENVIRONMENT CLEARANCE COMPLIANCE STATUS
REPORT OF CEMENT PLANT & POWER PLANT
PERIOD: OCTOBER -2022 TO MARCH-2023.**



**JSW Cement Limited, Salboni
(Village- Salboni, P.O. Saiyedpur, Dist- Paschim Medinipur)
West Bengal -721147.**

HALF YEARLY COMPLIANCE REPORT OF ENVIRONMENT CLEARNACE	
1. NAME OF THE PROJECT:	Cement Grinding Unit 3.6 MTPA and 2 X 18 MW CPP by M/s JSW Cement Ltd. at Village Salboni, Dist. Paschim Medinipur, West Bengal
2. CEARANCE LETTER NO. & DATE:	2015/ENT/T-II-1/002/2017, dated 07.09.2017
3. PERIOD OF COMPLIANCE REPORT:	From October 2022 to March 2023

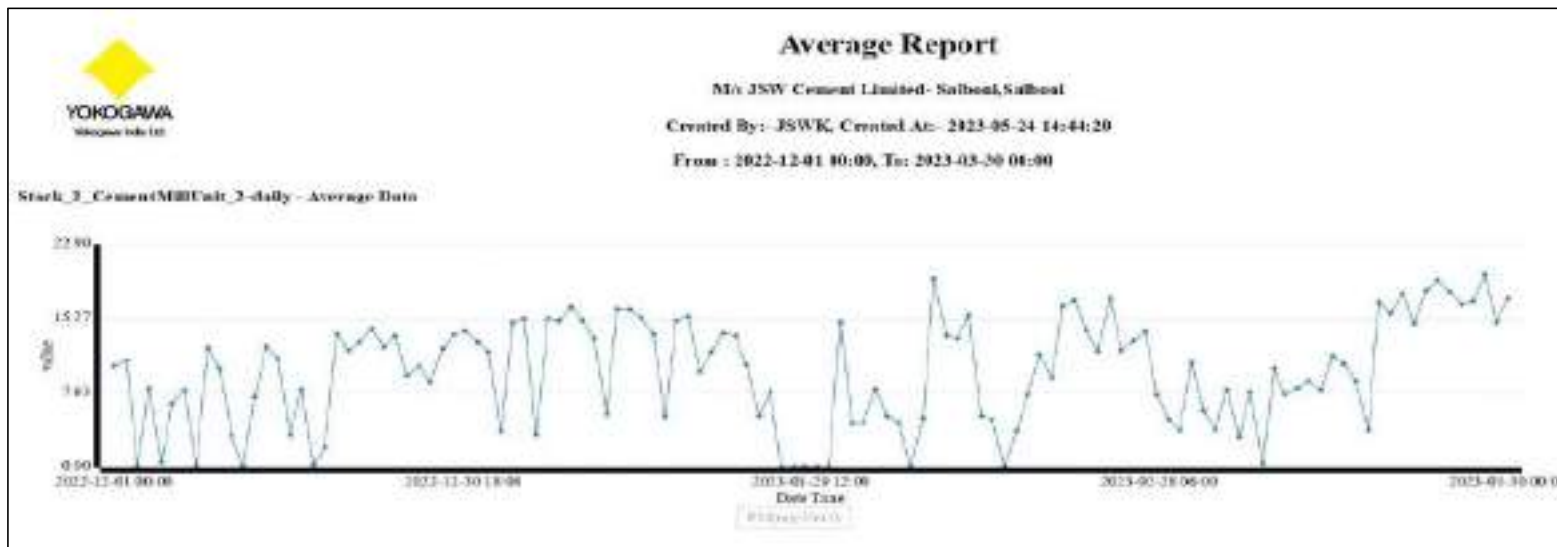
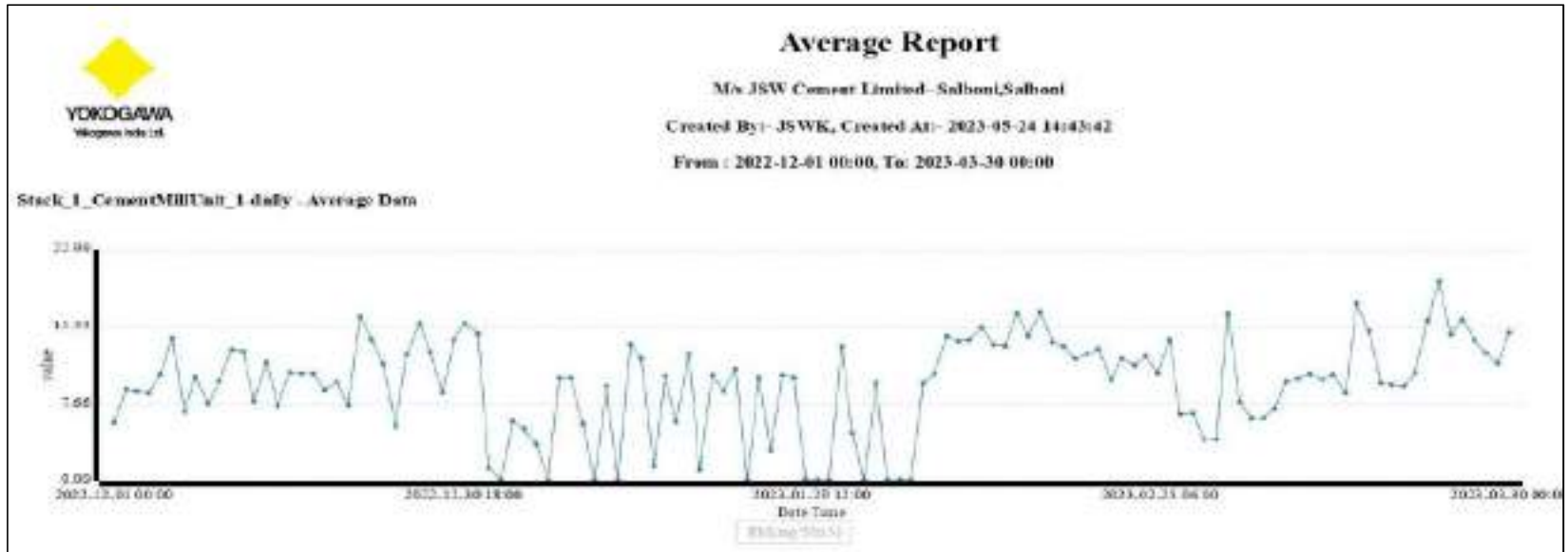
Compliance report of conditions stipulated in the Environment Clearance

ENVIRONMENT CLEARANCE NO: 2015/EN/T-II-I/002/2017 Dated: 07.09.2017

Present Status of the Project: Expansion of Cement Plant from 2.4 to 3.6 and 1*18 MW CPP have completed. The manufacture process involves only grinding of cement clinker with fly ash/slag and gypsum. Clinker is being procured from outside.

Specific Conditions:

SI. No.	CONDITIONS	COMPLIANCE
i.	The gaseous emissions from various units should conform to the load/mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.	The gaseous/particulate emission from various units conform to the load/mass standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board. Bag filters installed with the equipment are designed to meet the prescribed standards and the maintenance of the same is done on the regular basis. Monthly Stack Emission Monitoring is carried out by NABL Accredited Laboratory to monitor the PM and gaseous values, and the OCEMS is also installed in every stack to get the real time data and the real time data are also transferred to the CPCB Server. OCEMS report is given below.



Graphical representation of OCEMS for Cement Mill

ii.	<p>Cement grinding shall be carried out in closed cement mill. Provision of dust extraction and pollution control systems along with minimum stack height of 50 M from G.L. should be made for control of emission. Highly efficient Cyclone Separators, Pulse Jet Bag Filters & ID fans should be provided for Raw Material Handling Section, Ball Mill, Silo, Packing Section. Stack emission shall be monitored at regular intervals and records maintained. The stack emission should not exceed 30 mg/Nm³. For CPP boiler ESP of adequate design and capacity and along with minimum stack height of 30 m from G.L. should be provided. The stack emission should not exceed 30 mg/nm³.</p>	<p>Cement/ slag grinding is done in closed circuit Roller Press mills. High efficiency Bag Houses installed to control the dust emission. Every Stack's height is greater than the 50 m height from G.L. High efficiency Bag Houses has been provided with Roller Press mills (Photograph - I). Pulse Jet Bag Filters installed at material transfer points in Raw Material, Grinding, packing sections to keep emission level below the prescribe/standard level.</p> <p>High Efficiency ESP has been installed after the boiler to control the emission from the Captive power plant (Photograph - II).</p> <p>Stack emission are being monitored regularly by us & also by a NABL Accredited laboratory on a monthly basis. Reports for the same is enclosed as Annexure-I.</p> <p>OCEMS also installed in the Cement Mill, Ball Mill and CPP stack to monitor the real time data of pollutants and same data are transferred to the CPCB server.</p>



High Efficiency Bag Houses attached to grinding circuit(Photograph - I)



High Efficiency ESP installed after the boiler(Photograph - II)

iii.	<p>Regular monitoring of the ambient air quality shall be carried out in and around the plant and records maintained. The ambient air quality standards as per GSR 826 € dated 16.11.2009 to be maintained. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, PM2.5, SO2 and NO2-are anticipated in consultation with the SPCB. Data on AAQ and Stack Emission shall be regularly submitted to the SEIAA and the SPCB once in six months.</p>	<p>The Ambient Air Quality monitoring is carried out in and around the plant on regular basis and records of the same are maintained. Good housekeeping and regular water sprinkling is done on regular basis to maintain the ambient air quality below the limits prescribed in the GSR 826(E) published on dated November 16, 2009.</p> <p>Total six numbers of ambient air quality monitoring stations are established in the plant based on the major wind direction.</p> <p>Reports of AAQ and Stack Emission are submitted to the SEIAA and the SPCB in a timely manner.</p> <p>Ambient air quality and stack monitoring is also carried out the by the third party on the monthly basis. Reports of the AAQ monitoring by NABL Accredited laboratory enclosed as Annexure-II.</p>
iv.	<p>The unit shall install CAAQMS for the project.</p>	<p>CAAQMS is installed in the plant premises to monitor the real time data of the ambient air quality (Photograph - III)</p>



Continuous Ambient Air Monitoring Station (Photograph - III)

v.	Finished cement should be collected in silo and packaging should be done through pneumatically controlled system. Suction system should be installed at packaging section to minimize fugitive emission.	Cement is collected in silo and packaging is done through pneumatically controlled system. Suction systems are installed at packing plant to control the fugitive emission. Photographs of the Silos and packers are given below (Photograph IV & V).
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Closed Storage Silos with APCD(Photograph - IV)



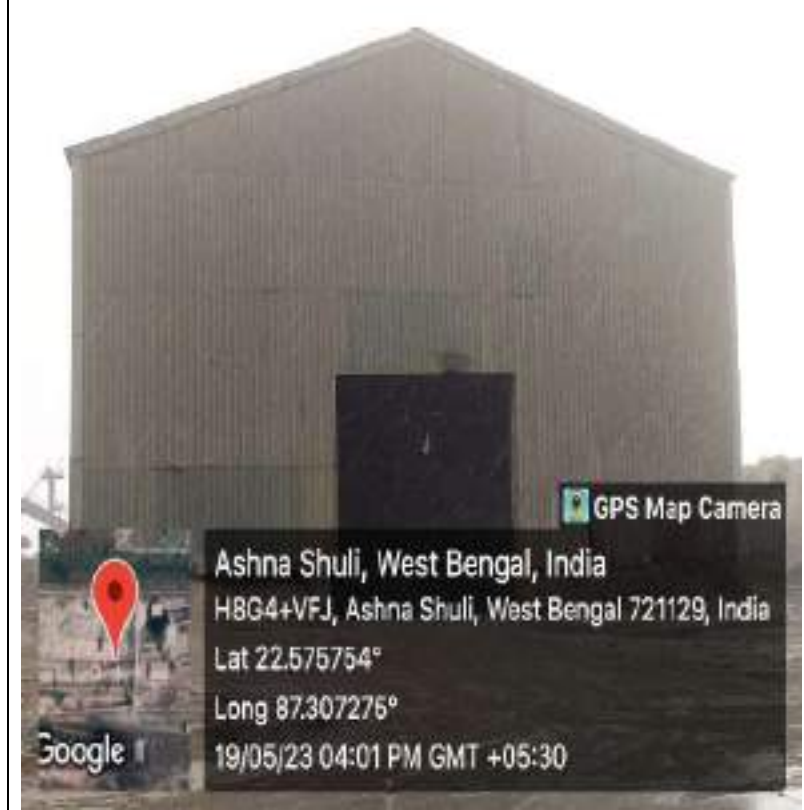
Photograph of automatic Roto-Packer with proper suction system (Photograph - V)

vi. All vibrating screens, storage bins will be adequately covered. Covered storage yards shall be provided for raw materials. Closed unloading of raw materials and closed conveyor belt for transportation with bag filter at transfer points should be provided. Suction head should be provided at all transfer points.

All vibrating screens, storage bins, and the raw material storage facilities are kept under proper covered storage system. All conveyor belts used for raw material transportation are also covered, and at all raw material transfer points, suction hoods are provided which are further attached with the bag filters. **Photographs of the covered storage bins, RM yard & closed conveyor belt, and transfer points are given below(Photograph - VI & X) .**



Covered Storage Bins (Photograph - VI)



Covered RM Yard for Gypsum (Photograph - VII)



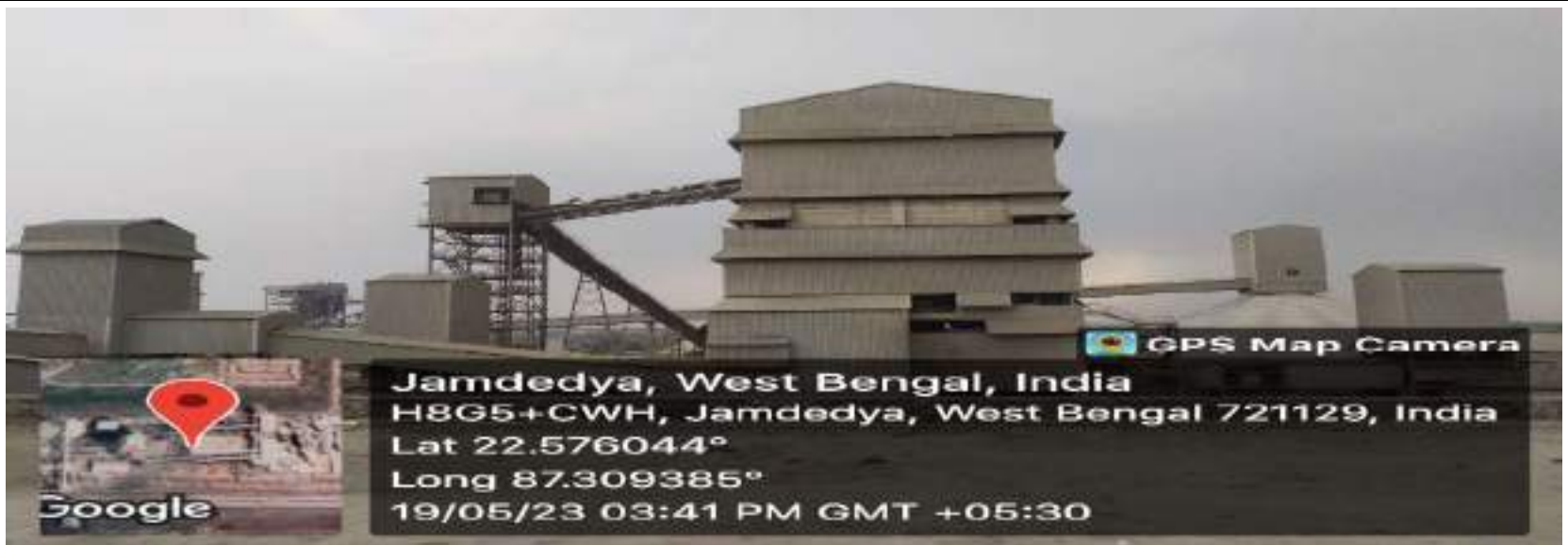
Paschim Medinipur, West Bengal, India
Unnamed Road, West Bengal 721129, India
Lat 22.576885°
Long 87.313572°
19/05/23 04:36 PM GMT +05:30

Covered RM Yard for Coal (Photograph - VIII)



Jamdedy, West Bengal, India
H8G5+CXJ, Jamdedy, West Bengal 721129, India
Lat 22.576179°
Long 87.309765°
19/05/23 03:19 PM GMT +05:30

Covered belt conveyors (Photograph - IX)



Jamdedy, West Bengal, India
H8G5+CWH, Jamdedy, West Bengal 721129, India
Lat 22.576044°
Long 87.309385°
19/05/23 03:41 PM GMT +05:30

Covered transfer points connected with APCD (Photograph - X)

vii. Adequate dust suppression and extraction system should be provided in material storage areas, material unloading and transfer points for controlling fugitive emission. Fugitive dust emissions from ball mill and storage area shall be collected in bag filters and recycled back to the bag loading areas and other high dust potential areas.

Dust suppression and extraction systems in material storage, loading and unloading and also at the transfer points have been provided for controlling fugitive emissions. Dust collected in bag filters is automatically recycled into the system through closed unloading system **(Photograph of Wagon Tippler & loaders - XI & XII).**

Analysis report of fugitive emissions from NABL accredited lab are enclosed as Annexure-III.



Covered Wagon Tippler Area (Photograph-XI)



Covered Wagon Loading Area (Photograph-XII)

viii.	Water required for proposed expansion shall be met from ground water supply as proposed. Groundwater shall be abstracted as per permission of the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.	Permission for Groundwater abstraction from 6 nos. of bore wells has been obtained from SWID. Withdrawal permissions from SWID are enclosed as Annexure-IV.
ix.	Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.	Cement Grinding Unit- The plant is based on dry grinding process technology and as such there no discharge of process effluent. Two STPs of 200 KLD & 60 KLD STP have been installed to treat the domestic waste water generated from the offices and canteen Areas and the treated water is used for greenbelt/Plantation. Zero liquid discharge condition is maintained in the plant. Neutralization pit is used to treat the RO reject water in Captive Power Plant, and the treated water is used for dust suppression. Photographs(XIII & XIV)of STPs are given below.



STP 200 KLD(Photograph - XIII)



STP 60 KLD(Photograph - XIV)

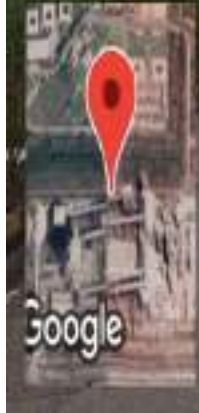
x.	Clinker manufacturing/heating is not permitted under this Environment Clearance. Clinker and Fly Ash shall be stored in the closed silos and Gypsum in covered shed.	Clinker is not manufactured at our plant. Purchased Clinker is stored in closed RCC silo whereas the Fly Ash, as and when received/ generated in CPP, is stored in a steel silo. Gypsum is stored under covered shed. Photographs(XV, XVI & XVII) of the same are given below.
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Closed Clinker storage RCC silo with APCD (Photograph - XV)



GPS Map Camera

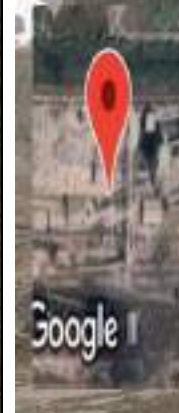


Jamdedya, West Bengal, India
H8G5+CXJ, Jamdedya, West Bengal 721129, India
Lat 22.576828°
Long 87.309472°
19/05/23 04:41 PM GMT +05:30

Closed Fly Ash steel silo with APCD (Photograph - XVI)



GPS Map Camera



Ashna Shuli, West Bengal, India
H8G4+VFJ, Ashna Shuli, West Bengal 721129, India
Lat 22.575754°
Long 87.307275°
19/05/23 04:01 PM GMT +05:30

Closed Gypsum storage/Yard (Photograph - XVII)

	<p>xi. All the bag filter dust, raw material dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers/reprocessors only. Hazardous waste generated to be disposed of as per provisions of Hazardous Wastes (Management and Transboundary Movement) Rules, 2016.</p>	<p>Dust generated from air pollution control devices/bag filters, raw material dust reused in the cement manufacturing process. Fly Ash generated from CPP is used in the cement manufacturing process.</p> <p>Spent oil is sold to the authorized vendors. Waste batteries are sold to the authorized vendors. Hazardous waste generated is disposed as per the guidelines of Hazardous Wastes (Management and Transboundary Movement) Rules, 2016.</p> <p>The photographs-XVIII of Hazardous Waste storage area is given below.</p>
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Hazardous waste storage facility inside the plant (Photograph - XVIII)

xii.	Adequate provisions should be made for harvesting rainwater. The harvested water should be used for plantation, firefighting, washing and cleaning etc. Recharging of Groundwater is not permitted.	Rainwater harvesting pit, as proposed, shall be constructed to collect the rainwater. In addition, rainwater will also be harvested from roof top, storm drains etc. The harvested rainwater will be utilized to the maximum extent to conserve fresh water.
xiii.	Greenbelt shall be developed within the plant premises. At least 33% of the area should be kept for greenbelt development. At least 12500 (as stated in previous environmental clearance vide no. 89/EN/T-II-I/037/2015 dated 14.1.2016) to be planted and maintained in the greenbelt area of 44 acres. There should not be any removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.	<p>More than 33% of total plant area has been developed into Greenbelt area.</p> <p>No vegetative cover was destroyed/ removed during the establishment and operation phases.</p> <p>44 Acres of Land inside the plant premises has been developed as Greenbelt with recommended species (Photographs attached below). As per condition given for plantation in Environment Clearance vide no. 89/EN/T-II-I/037/2015 dated 14.01.2016, we have planted 42825 nos. of plants against target given of 12500 (Photographs XIX, XX & XXI).</p>



Plan Layout of Green belt & plantation (Photograph - XIX)



Green Belt/Plantation (Photograph - XX)



Green Belt/Plantation (Photograph - XXI)

<p>xiv.</p>	<p>The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night-time).</p>	<p>Ambient noise levels are maintained well within the prescribed limits (75 dBA (daytime) and 70 dBA (night-time) by maintaining the overall workplace noise level within the permissible limits by adopting various noise control measures such as acoustic hoods, silencers, enclosures etc. on the noise generating equipment.</p> <p>The ambient noise levels conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (night-time).</p> <p>Noise monitoring is done by the NABL Accredited laboratory on regular basis, Report of the noise monitoring are enclosed as Annexure-V.</p>
<p>xv.</p>	<p>Asphalting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 such as haul road, loading and unloading pints, transfer points and other vulnerable areas. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.</p>	<p>All internal roads are bituminous/ concrete roads. Mechanized road sweeping machine and water spray on the roads is carried out on regular basis by the movable water tanker and fixed water sprinkling system to control the fugitive emission. Good housekeeping is maintained within the premises.</p> <p>Photographs (XXII & XIII) of the road sweeping machine & water sprinkled road is given below.</p> <p>Regular water sprinkling is carried out at haul road, loading and unloading points, transfer points and at other vulnerable areas to control the air pollution.</p> <p>Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board.</p> <p>Air quality monitoring is done on regularly basis by an NABL Accredited laboratory. Report of the air quality analysis is enclosed as Annexure- II.</p>



Road Sweeping Machine (Photograph - XXII)

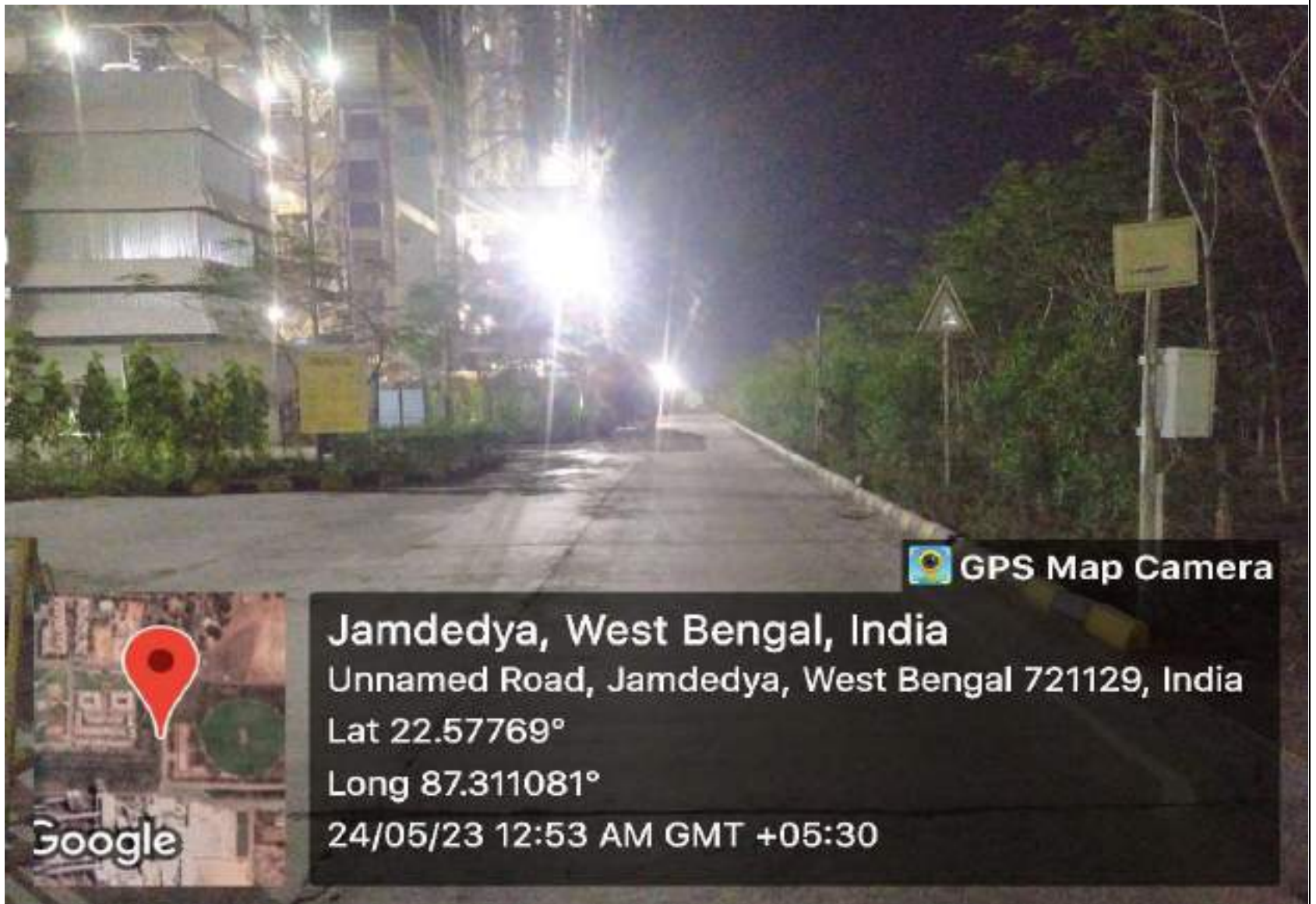


Plant inside Concrete road(Photograph - XXIII)



<p>xvi. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to Pollution under Control (PUC) norms. Proper housekeeping shall be maintained within the premises.</p>	<p>Proper lighting and pathway inside the factory premises are provided for safe vehicular movement. All internal roads are concrete & bituminous road.</p> <p>Separate pathways are provided for entry and exit of vehicles. Only PUC certified vehicles are allowed inside the plant. Good housekeeping is maintained within the premises.</p> <p>Photographs(XXIV & XXV)related to the separate pathways & lighting on the roads are given below.</p>
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Separate path way for incoming & outgoing vehicle (Photograph - XXIV)



Proper lighting facilities for proper illumination (Photograph - XXV)

xvii	<p>Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as the Factories Act.</p>	<p>Health and safety of workers is ensured in line with OHSAS standard. Required PPEs and sanitation facilities are provided to workers at site.</p> <p>Occupational Health Surveillance is done on regular basis and records are maintained as per requirements of the Factories Act.</p> <p>In the last financial year periodic health check-up was carried out for 100% JSW staff & associates workers (Photographs - XXVI & XXVII)</p>									
	<table border="1"> <thead> <tr> <th data-bbox="279 565 438 630">Sl. No.</th> <th data-bbox="438 565 1142 630">Type of Employee</th> </tr> </thead> <tbody> <tr> <td data-bbox="279 630 438 667">1</td> <td data-bbox="438 630 1142 667">JSW Staffs</td> </tr> <tr> <td data-bbox="279 667 438 704">2</td> <td data-bbox="438 667 1142 704">Associate Employees</td> </tr> </tbody> </table>	Sl. No.	Type of Employee	1	JSW Staffs	2	Associate Employees	<table border="1"> <thead> <tr> <th data-bbox="1163 565 1946 630">Percentage of staff/ Associates undergone periodic health check-up.</th> </tr> </thead> <tbody> <tr> <td data-bbox="1163 630 1946 667">100%</td> </tr> <tr> <td data-bbox="1163 667 1946 704">100%</td> </tr> </tbody> </table>	Percentage of staff/ Associates undergone periodic health check-up.	100%	100%
Sl. No.	Type of Employee										
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2	Associate Employees										
Percentage of staff/ Associates undergone periodic health check-up.											
100%											
100%											
	 <p data-bbox="331 1295 1087 1333">Health Check-up of JSW Employee (Photographs - XXVI)</p>	 <p data-bbox="1205 1295 1892 1333">Health Check-up of Associates (Photograph - XXVI)</p>									

xviii . Adequate measures to be adopted to ensure industrial safety. Proper fire detection and protection systems to be provided to control fire and explosion hazards.

Adequate measures have been taken to ensure industrial safety. Proper Fire detection and protection devices are installed at appropriate locations. Fire fighting vehicle is also available round the clock within the premises.

Photographs(XXVIII-XXXIV) of the same given below.



Regular Safety training of Employees/Workers (Photograph-XXVIII)



Regular Tool Box Meeting (Photograph-XXIX)



Fire Fighting System (Photograph-XXX)



Fire Alarm (Photograph-XXXI)



Smoke Detection Sensor (Photograph-XXXII)



Fire Fighting System (Photograph-XXXIII)



Fire Fighting Vehicle (Photograph-XXXIV)

xix.	All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) guidelines for Cement Plants shall be followed and complied.	All the applicable recommendations of CREP guidelines for cement plant are being followed and complied.
xx.	The implementation and monitoring of Environment Management Plan should be carried out, as proposed.	Environment Management Plan has been implemented before commissioning of proposed expansion as proposed in the EIA Report and the monitoring of the same is carried out at regular interval.
xxi.	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on local need and action plan with financial and physical break-up shall be prepared and submitted. Implementation of such program shall be ensured accordingly in a time bound manner.	At the starting of the proposed project total Rs. 10.00 Crore earmarked for Enterprise Social Commitment (ESC). And the total budget spent Year wise and item wise towards the Enterprise Social Commitment based on local needs.

		Budget spent on the activities in the reporting period enclosed as Annexure-VI.
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General Conditions

S. No.	CONDITIONS:	COMPLIANCE
i.	The environment clearance accorded shall be valid for a period of 7 years for the proposed project.	Noted
ii.	Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by the project proponent from the competent authorities.	Complied.
iii.	The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply, sanitation programme for local school and health care etc.	<p>The unit is complying to all the environmental safeguards envisaged in the EIA, EMP, Environment Clearance, Consents issued by the board.</p> <p>We undertake socio-economic development activities in the surrounding villages, Photographs of the Activities done in the reporting period are given below. Photographs for socio - economic activities are given below:</p>

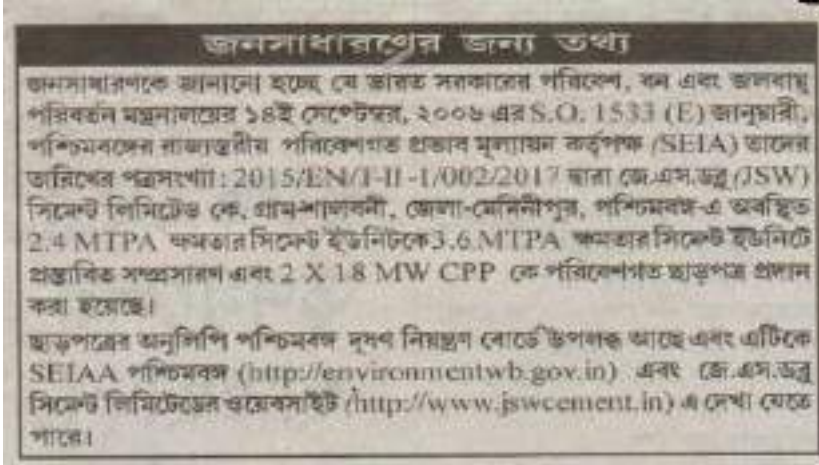
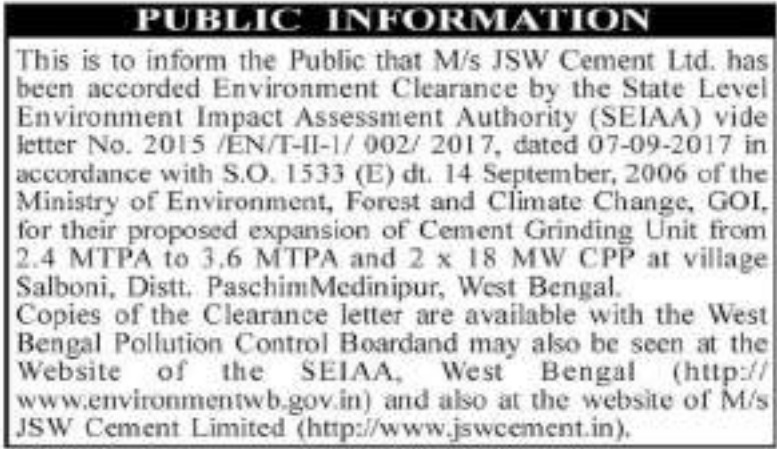




iv	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other party.	Noted and agreed.
v.	Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.	Complied. Now the plant is operational.
vi.	The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will	Total Rs. 46.41 crore have spent towards implementation of Environment Management Plan.

	provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.	Implementation schedule for all the conditions stipulated in this EC is submitted to SEIAA, West Bengal. The fund allocated for EMP will not be diverted for any other purpose.
vii.	No further expansion or modifications in the plant should be carried out without prior approval of the state level Environment Impact Assessment Authority, West Bengal. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.	Noted and Agreed.
viii .	The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents/ data by the project proponent during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of documents should also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal.	Full co-operation shall be extended to the officials of the SPCB during their inspection. Six monthly compliance reports & the status of the implementation of the stipulated environmental safeguards are regularly submitted to State Environment Impact Assessment Authority, Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board & State Pollution Control Board and also posted on the website of the Company. Copies of six monthly compliance report, monitored data and statistical interpretation of the monitored data will be submitted to SEIAA.
ix.	The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted and agreed.
x.	The project proponent should inform public that the project has been accorded environment clearance by the SEIAA, West	The information was advertised through publication in The Telegraph Calcutta (English) and Anand Bazar Patrika (Bangla) dated 15 th

<p>Bengal and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the SEIAA, West Bengal (http://environmentwb.gov.in). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.</p>	<p>September 2017. Photograph for the same is given below. (Photograph-XXXV).</p>
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<p align="center">News Paper Advertisement (Photograph -XXXV).</p>	

<p>xi. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective zonal office of the WBPCB. The criteria pollutant levels namely: SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>Status of EC compliance as well as monitored data is being uploaded on the website and are also submitted to the WBPCB (https://www.jswcement.in/sustainability). Monitoring of critical sectoral parameters of the project are being done and data being displayed near the main gate of the company Photograph for the same is given below (Photograph -XXXVI).</p>
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Display Board on Main Gate for Stack & Ambient real time data (Photograph -XXXVI)

<p>xii.</p>	<p>The project authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/ project implementation.</p>	<p>Date of financial closure of the project: 15.12.2017 Date of final approval of the project: 15.12.2017 Date of land development/ project implementation: 01-03-2018</p>
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xiii.	The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air ((Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, The Environment Impact Assessment Notification 2006 and their amendments.	Noted and agreed.
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For JSW Cement Ltd. Salboni (W.B.)



Sajeesh G.
Vice President & Plant Head

Annexure-1

TEST REPORT**Name & Address of the Customer :**

'JSW CEMENT LTD.'
Jambadia & Others,
Salboni (Division),
Medinipur Sada (Sub Division)
Bik - Salboni, Salboni- 721147

Report No.: WB/ED-0127

Date: : 24.04.2023

Sample No. : MSKGL/ED/2022-23/03/01285


Sample Description: Stack

Date & Time of Sampling : 20.03.2023
at 16.31 PM


Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A . General information about stack :			
1.	Stack connected to	: Cement Mill-2	
2.	Emission due to	: Processing Activity	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ----	
B . Physical characteristics of stack :			
1.	Height of the stack from ground level	: 55.0 m	
2.	Diameter of the stack at sampling point	: 3.5 m	
3.	Height of the Sampling Point from Ground level	: 40.0 m	
4.	Area of Stack	: 9.625 m ²	
C. Analysis/Characteristic of stack:			
1.	Fuel used	:---	2. Fuel Consumption : ---
D . Result of sampling & analysis of gaseous emission			
		Result	Method
1.	Temperature of emission (°C)	53	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	9.21	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	280149	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	1.8	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	26.8	EPA Part-5
E . Pollution control device			
Details of pollution control devices attached with the stack : Bag Filter			
F. Remarks : Nil			

Report Prepared By 

for Mitra S.K. Private Limited



 Authorised Signatory

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TEST REPORT


Name & Address of the Customer :
 'JSW CEMENT LTD.'
 Jambadia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-0126
Date: : 24.04.2023
Sample No. : MSKGL/ED/2022-23/03/01284
Sample Description: Stack
Date & Time of Sampling : 20.03.2023
 at 13.38 PM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A . <u>General information about stack :</u>		
1.	Stack connected to	: Cement Mill-1
2.	Emission due to	: Processing Activity
3.	Material of construction of Stack	: MS
4.	Shape of Stack	: Circular
5.	Whether stack is provided with permanent platform & ladder	: Yes
6.	DG capacity	: ---
B . <u>Physical characteristics of stack :</u>		
1.	Height of the stack from ground level	: 55.0 m
2.	Diameter of the stack at sampling point	: 3.5 m
3.	Height of the Sampling Point from Ground level	: 40.0 m
4.	Area of Stack	: 9.625 m ²
C. <u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: ---
2.	Fuel Consumption	: ---
D . <u>Result of sampling & analysis of gaseous emission</u>		
	Result	Method
1.	Temperature of emission (°C)	57
2.	Barometric pressure (mm of Hg)	754
3.	Velocity of gas (m/sec.)	9.70
4.	Quantity of Gas Flow (Nm ³ /hr)	291644
5.	Concentration of Carbon Monoxide (% v/v)	<0.2
6.	Concentration of Carbon Dioxide (%)	1.8
7.	Concentration of Particulate Matters (mg/Nm ³)	29.1
E . <u>Pollution control device</u>		
Details of pollution control devices attached with the stack : Bag Filter		
F. <u>Remarks</u> : Nil		

Report Prepared By 

for Mitra S. K. Private Limited


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TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'
 Jambedia & Others,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni, Salboni- 721147

Report No.: WB/ED-0125

Date: 24.04.2023

Sample No.: MSKGL/ED/2022-23/03/01283

Sample Description: Stack

Date & Time of Sampling : 20.03.2023
at 11.40 AM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A. General information about stack :			
1.	Stack connected to	: Ball Mill	
2.	Emission due to	: Process Activity	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	Capacity	: Full Load- 120 TPH/Running - 90 TPH	
B. Physical characteristics of stack :			
1.	Height of the stack from ground level	: 56.0 m	
2.	Diameter of the stack at sampling point	: 1.4 m	
3.	Height of the Sampling Point from Ground level	: 42.0 m	
4.	Area of Stack	: 1.54 m ²	
C. Analysis/Characteristic of stack:			
1.	Fuel used	: ---	
2.	Fuel Consumption	: ---	
D. Result of sampling & analysis of gaseous emission			
		Result	Method
1.	Temperature of emission (°C)	52	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	5.76	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	28007	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (% v/v)	1.6	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	21.6	EPA Part-5
E. Pollution control device			
Details of pollution control devices attached with the stack : Bag Filter			
F. Remarks : Nil			

Report Prepared By 

for Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'
 Jambadia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-0128

Date: : 24.04.2023

Sample No. : MSKGL/ED/2022-23/03/01286

Sample Description: Stack

Date & Time of Sampling : 22.03.2023
 at 13.05 PM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A . General information about stack :			
1.	Stack connected to	: Coal Mill	
2.	Emission due to	: Process Activity	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ---	
B . Physical characteristics of stack :			
1.	Height of the stack from ground level	: 42.0 m	
2.	Diameter of the stack at sampling point	: 0.09 m	
3.	Height of the Sampling Point from Ground level	: 35.0 m	
4.	Area of Stack	: 0.6364 m ²	
C. Analysis/Characteristic of stack:			
1.	Fuel used	: Coal	
2.	Fuel Consumption	: ---	
D . Result of sampling & analysis of gaseous emission			
		Result	
		Method	
1.	Temperature of emission (°C)	59	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	11.14	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	21873	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	1.8	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	27.2	EPA Part-5
E . Pollution control device			
Details of pollution control devices attached with the stack : Bag Filter			
F. Remarks : Nil			

 Report Prepared By 

for Mitra S. K. Private Limited



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TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'
Jambedia & Others ,
Salboni (Division),
Medinipur Sada (Sub Division)
Blk - Salboni , Salboni- 721147

Report No.: WB/ED-4622

Date: : 25.03.2023

Sample No. : MSKGL/ED/2022-23/02/01470

Sample Description: Stack

Date & Time of Sampling : 24.02.2023
at 12.16 PM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Cement Mill-2	
2 .	Emission due to	: Processing Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ----	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 55.0 m	
2.	Diameter of the stack at sampling point	: 3.5 m	
3.	Height of the Sampling Point from Ground level	: 40.0 m	
4.	Area of Stack	: 9.625 m ²	
C .	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: ---	
		2. Fuel Consumption	: ---
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	363	EPA Part 2
2.	Barometric pressure (mm of Hg)	756	EPA Part 2
3.	Velocity of gas (m/sec.)	6.14	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	167417	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	1.0	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	23.3	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

 Report Prepared By: 

 for Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-4623

Date: : 25.03.2023

Sample No. : MSKGL/ED/2022-23/02/01471

Sample Description: Stack

Date & Time of Sampling : 24.02.2023
 at 05.23 PM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Cement Mill-1	
2 .	Emission due to	: Processing Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ----	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 55.0 m	
2.	Diameter of the stack at sampling point	: 3.5 m	
3.	Height of the Sampling Point from Ground level	: 40.0 m	
4.	Area of Stack	: 9.625 m ²	
C .	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: ---	
		2. Fuel Consumption :	---
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	366	EPA Part 2
2.	Barometric pressure (mm of Hg)	756	EPA Part 2
3.	Velocity of gas (m/sec.)	6.28	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	172063	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	1.2	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	27.6	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

Report Prepared By: 

for Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
‘JSW CEMENT LTD.’

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-4624

Date: : 25.03.2023

Sample No. : MSKGL/ED/2022-23/02/01472

Sample Description: Stack

Date & Time of Sampling : 25.02.2023
 at 12.10 PM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Ball Mill	
2 .	Emission due to	: Process Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	Capacity	: Full Load- 120 TPH/Running - 90 TPH	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 56.0 m	
2.	Diameter of the stack at sampling point	: 1.4 m	
3.	Height of the Sampling Point from Ground level	: 42.0 m	
4.	Area of Stack	: 1.54 m ²	
C.	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: ---	
		2. Fuel Consumption	: ----
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	321	EPA Part 2
2.	Barometric pressure (mm of Hg)	755	EPA Part 2
3.	Velocity of gas (m/sec.)	6.38	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	31625	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (% v/v)	1.0	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	14.1	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

Report Prepared By: 

for Mitra S. K. Private Limited
 Authorized Signatory 

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TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'
 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-2625

Date: : 25.03.2023

Sample No. : MSKGL/ED/2022-23/02/01473

Sample Description: Stack

Date & Time of Sampling : 25.02.2023
 at 03.31 PM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Coal Mill	
2 .	Emission due to	: Process Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ----	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 42.0 m	
2.	Diameter of the stack at sampling point	: 0.09 m	
3.	Height of the Sampling Point from Ground level	: 35.0 m	
4.	Area of Stack	: 0.6364 m ²	
C .	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: Coal	2. Fuel Consumption : ---
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	332	EPA Part 2
2.	Barometric pressure (mm of Hg)	755	EPA Part 2
3.	Velocity of gas (m/sec.)	11.05	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	21700	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	1.6	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	24.5	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

 Report Prepared By: 

for Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-3902

Date: : 31.01.2023

Sample No. : MSKGL/ED/2022-23/01/00676

Sample Description: Stack

Date & Time of Sampling : 13.01.2023
 at 10.28 AM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Cement Mill-2	
2.	Emission due to	: Processing Activity	
3.	Material of construction of Stack	: MS	
4.	Shape of Stack	: Circular	
5.	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ----	
B .	<u>Physical characteristics of stack :</u>		
1.	Height of the stack from ground level	: 55.0 m	
2.	Diameter of the stack at sampling point	: 3.5 m	
3.	Height of the Sampling Point from Ground level	: 40.0 m	
4.	Area of Stack	: 9.625 m ²	
C .	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: ---	
		2. Fuel Consumption	: ---
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	69	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	11.05	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	319327	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	1.2	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	22.5	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F .	Remarks : Nil		

Report Prepared By: 

for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :
‘JSW CEMENT LTD.’

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-3901

Date: : 31.01.2023

Sample No. : MSKGL/ED/2022-23/01/00675

Sample Description: Stack

Date & Time of Sampling : 12.01.2023
 at 12.02 PM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Cement Mill-1	
2 .	Emission due to	: Processing Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ----	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 55.0 m	
2.	Diameter of the stack at sampling point	: 3.5 m	
3.	Height of the Sampling Point from Ground level	: 40.0 m	
4.	Area of Stack	: 9.625 m ²	
C .	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: ---	
		2. Fuel Consumption :	---
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	56	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	10.13	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	304883	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	1.4	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	6.1	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

Report Prepared By: 

for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-3900

Date: : 31.01.2023

Sample No. : MSKGL/ED/2022-23/01/00674

Sample Description: Stack

Date & Time of Sampling : 12.01.2023
 at 10.30 AM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Ball Mill	
2 .	Emission due to	: Process Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	Capacity	: Full Load- 120 TPH/Running - 90 TPH	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 56.0 m	
2.	Diameter of the stack at sampling point	: 1.4 m	
3.	Height of the Sampling Point from Ground level	: 42.0 m	
4.	Area of Stack	: 1.54 m ²	
C.	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: ---	2. Fuel Consumption : ----
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	53	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	6.82	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	33201	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (% v/v)	1.2	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	6.9	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

Report Prepared By: 

for Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'
 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-3903

Date: : 31.01.2023

Sample No. : MSKGL/ED/2022-23/01/00677

Sample Description: Stack

Date & Time of Sampling : 13.01.2023
 at 15.44 PM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Coal Mill	
2 .	Emission due to	: Process Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ----	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 42.0 m	
2.	Diameter of the stack at sampling point	: 0.09 m	
3.	Height of the Sampling Point from Ground level	: 35.0 m	
4.	Area of Stack	: 0.6364 m ²	
C .	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: Coal	2. Fuel Consumption : ---
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	71	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	12.13	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	22744	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	6.4	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	12.7	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

 Report Prepared By: 

 for Mitra S. K. Private Limited
 Authorized Signatory 

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-3521

Date: : 31.12.2022

Sample No. : MSKGL/ED/2022-23/12/01152

Sample Description: Stack

Date & Time of Sampling : 15.12.2022
 at 12.55 PM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Cement Mill-2	
2 .	Emission due to	: Processing Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ----	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 55.0 m	
2.	Diameter of the stack at sampling point	: 3.5 m	
3.	Height of the Sampling Point from Ground level	: 40.0 m	
4.	Area of Stack	: 9.625 m ²	
C .	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	:---	2. Fuel Consumption : ---
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	59	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	1.78	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	317555	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	1.2	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	20.9	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

Report Prepared By: 

for Mitra S. K. Private Limited

Authorized Signatory 

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-3520

Date: : 31.12.2022

Sample No. : MSKGL/ED/2022-23/12/01151

Sample Description: Stack

Date & Time of Sampling : 15.12.2022
 at 11.00 AM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Cement Mill-1	
2 .	Emission due to	: Processing Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ----	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 55.0 m	
2.	Diameter of the stack at sampling point	: 3.5 m	
3.	Height of the Sampling Point from Ground level	: 40.0 m	
4.	Area of Stack	: 9.625 m ²	
C .	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: ---	
		2. Fuel Consumption : ---	
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	54	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	9.82	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	294026	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	1.2	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	17	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

Report Prepared By: 

for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'
Jambedia & Others ,
Salboni (Division),
Medinipur Sada (Sub Division)
Blk - Salboni , Salboni- 721147

Report No.: WB/ED-3523

Date: 31.12.2022

Sample No. : MSKGL/ED/2022-23/12/01154

Sample Description: Stack

Date & Time of Sampling : 16.12.2022
at 11.05 AM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Ball Mill	
2 .	Emission due to	: Process Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	Capacity	: Full Load- 120 TPH/Running - 90 TPH	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 56.0 m	
2.	Diameter of the stack at sampling point	: 1.4 m	
3.	Height of the Sampling Point from Ground level	: 42.0 m	
4.	Area of Stack	: 1.54 m ²	
C.	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: ---	
		2. Fuel Consumption	: ----
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	55	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	5.98	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	28853	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (% v/v)	1.2	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	11.1	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

 Report Prepared By: 

 for Mitra S. K. Private Limited

 Authorized Signatory

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TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'
 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No.: WB/ED-3522

Date: : 31.12.2022

Sample No. : MSKGL/ED/2022-23/12/01153

Sample Description: Stack

Date & Time of Sampling : 15.12.2022
 at 15.53 PM

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

A .	<u>General information about stack :</u>		
1.	Stack connected to	: Coal Mill	
2 .	Emission due to	: Process Activity	
3 .	Material of construction of Stack	: MS	
4 .	Shape of Stack	: Circular	
5 .	Whether stack is provided with permanent platform & ladder	: Yes	
6.	DG capacity	: ----	
B .	<u>Physical characteristics of stack :</u>		
1 .	Height of the stack from ground level	: 42.0 m	
2.	Diameter of the stack at sampling point	: 0.09 m	
3.	Height of the Sampling Point from Ground level	: 35.0 m	
4.	Area of Stack	: 0.6364 m ²	
C .	<u>Analysis/Characteristic of stack:</u>		
1.	Fuel used	: Coal	
		2. Fuel Consumption : ---	
D .	<u>Result of sampling & analysis of gaseous emission</u>	<u>Result</u>	<u>Method</u>
1.	Temperature of emission (oC)	53	EPA Part 2
2.	Barometric pressure (mm of Hg)	754	EPA Part 2
3.	Velocity of gas (m/sec.)	12.08	EPA Part 2
4.	Quantity of Gas Flow (Nm ³ /hr)	24253	EPA Part 2
5.	Concentration of Carbon Monoxide (% v/v)	<0.2	IS 13270:1992,Ref:2009
6.	Concentration of Carbon Dioxide (%)	6.8	IS 13270:1992,Ref:2009
7.	Concentration of Particulate Matters (mg/Nm ³)	16	EPA Part-5
E .	<u>Pollution control device</u>		
	Details of pollution control devices attached with the stack : Bag Filter		
F.	Remarks : Nil		

 Report Prepared By: 

 for Mitra S.K. Private Limited
 Authorized Signatory 

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TEST REPORT

Annexure-II

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
Salboni (Division),
Medinipur Sada (Sub Division)
Blk - Salboni , Salboni- 721147

Report No. :WB/ED-0114**Date:** :17.04.2023**Sample No. :**MSKGL/ED/2022-23/03/01271**Sample Description :** Ambient Air**Reference No.& Date:** JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022**ANALYSIS RESULT**

Location	:	Near Labour Colony			
Date of sampling	:	17.03.2023 to 18.03.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	81.4	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	45.7	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.6	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	30.0	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.40	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-0115

Date: :17.04.2023

Sample No. :MSKGL/ED/2022-23/03/01272

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Godapiasal Village			
Date of sampling	:	17.03.2023 to 18.03.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	70.8	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	41.3	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.2	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	24.2	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.24	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited
 Authorised Signatory 

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-0116

Date: :17.04.2023

Sample No. :MSKGL/ED/2022-23/03/01273

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Railway Siding			
Date of sampling	:	18.03.2023 to 19.03.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	87.8	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	46.5	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	7.3	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	36.7	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.49	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-0117

Date: :17.04.2023

Sample No. :MSKGL/ED/2022-23/03/01274

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Project Office			
Date of sampling	:	18.03.2023 to 19.03.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	75.6	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	33.3	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.8	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	32.5	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.22	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-0118

Date: :17.04.2023

Sample No. :MSKGL/ED/2022-23/03/01275

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near BHK Staff Colony			
Date of sampling	:	19.03.2023 to 20.03.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	80.8	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	41.5	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.6	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	34.1	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.28	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :
‘JSW CEMENT LTD.’

 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-0119

Date: :17.04.2023

Sample No. :MSKGL/ED/2022-23/03/01276

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near CPP Area			
Date of sampling	:	19.03.2023 to 20.03.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	90.7	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	52.9	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	8.6	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	48.2	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.52	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By:



for Mitra S. K. Private Limited

Authorised Signatory

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TEST REPORT

Name & Address of the Customer :
‘JSW CEMENT LTD.’

 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-4616

Date: :25.03.2023

Sample No. :MSKGL/ED/2022-23/02/01458

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Railway Siding			
Date of sampling	:	23.02.2023 to 24.02.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	57.4	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	34.1	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	9.7	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	23.3	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.4	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

 Report Prepared By: 

 for Mitra S. K. Private Limited
 Authorized Signatory: 

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-4617

Date: :25.03.2023

Sample No. :MSKGL/ED/2022-23/02/01459

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Labour Colony			
Date of sampling	:	23.02.2023 to 24.02.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	54.35	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	27	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	15.8	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	20.9	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.32	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

 Report Prepared By: 

 for Mitra S. K. Private Limited
 Authorized Signatory 

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-4618

Date: :25.03.2023

Sample No. :MSKGL/ED/2022-23/02/01460

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near BHK Staff Colony			
Date of sampling	:	24.02.2023 to 25.02.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	48.2	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	23.7	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	14.2	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	25.1	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.2	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited
 Authorized Signatory


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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-4619

Date: :25.03.2023

Sample No. :MSKGL/ED/2022-23/02/01461

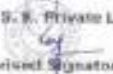
Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Project Office			
Date of sampling	:	24.02.2023 to 25.02.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	43.5	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	19.4	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.2	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	17	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.14	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited
 Authorized Signatory 

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TEST REPORT

Name & Address of the Customer :
‘JSW CEMENT LTD.’

 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-4620

Date: :25.03.2023

Sample No. :MSKGL/ED/2022-23/02/01462

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near CPP Area			
Date of sampling	:	25.02.2023 to 26.02.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	40.1	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	20	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	7	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	18.7	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.8	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

 Report Prepared By: 

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-4621

Date: :25.03.2023

Sample No. :MSKGL/ED/2022-23/02/01463

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Godapiasal Village			
Date of sampling	:	25.02.2023 to 26.02.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	50	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	22.6	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	11.4	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	24.6	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.26	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

Authorized Signatory 

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3894

Date: :31.01.2023

Sample No. :MSKGL/ED/2022-23/01/00600

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Railway Siding			
Date of sampling	:	11.01.2023 to 12.01.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	89.1	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	50.7	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	7.2	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	40.2	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.36	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :

‘**JSW CEMENT LTD.**’
 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3895

Date: :31.01.2023

Sample No. :MSKGL/ED/2022-23/01/00601

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near CPP Area			
Date of sampling	:	11.01.2023 to 12.01.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	98.0	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	54.1	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	8.5	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	48.3	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.45	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

 Report Prepared By: 

 for Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
 'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3896

Date: :31.01.2023

Sample No. :MSKGL/ED/2022-23/01/00602


Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near BHK Staff Colony			
Date of sampling	:	12.01.2023 to 13.01.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	75.9	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	34.3	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.9	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	35.6	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.26	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited
 Authorized Signatory 

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3897

Date: :31.01.2023


Sample No. :MSKGL/ED/2022-23/01/00603

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Project Office			
Date of sampling	:	12.01.2023 to 13.01.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	72.3	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	38.0	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.5	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	33.3	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.25	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3898

Date: :31.01.2023

Sample No. :MSKGL/ED/2022-23/01/00604

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Godapiasal Village			
Date of sampling	:	13.01.2023 to 14.01.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	78.5	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	37.5	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	<6.0	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	38.7	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.23	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3899

Date: :31.01.2023

Sample No. :MSKGL/ED/2022-23/01/00605

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near labour Colony			
Date of sampling	:	13.01.2023 to 14.01.2023			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	70.9	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	40.7	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	6.8	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	38.2	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.29	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

 Report Prepared By: 

 for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3509

Date: :31.12.2022

Sample No. :MSKGL/ED/2022-23/12/01136

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near CPP Area			
Date of sampling	:	15.12.2022 to 16.12.2022			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	67.9	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	28.3	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	11.0	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	39.2	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.92	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

 Report Prepared By: 

 for Mitra S. K. Private Limited

 Authorised Signatory

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3510

Date: :31.12.2022


Sample No. :MSKGL/ED/2022-23/12/01137

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Railway Siding			
Date of sampling	:	15.12.2022 to 16.12.2022			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	80.2	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	36.3	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	10.2	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	34.6	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.79	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3511

Date :31.12.2022

Sample No. :MSKGL/ED/2022-23/12/01138

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Labour Colony			
Date of sampling	:	16.12.2022 to 17.12.2022			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	74.0	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	31.6	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	9.2	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	23.8	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.70	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
‘JSW CEMENT LTD.’

 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3512

Date: :31.12.2022

Sample No. :MSKGL/ED/2022-23/12/01139

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near BHK Staff Colony			
Date of sampling	:	16.12.2022 to 17.12.2022			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	76.5	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	34.5	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	8.2	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	24.6	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.66	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

 Report Prepared By: 

 for Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
 'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3513

Date: :31.12.2022

Sample No. :MSKGL/ED/2022-23/12/01140

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Project Office			
Date of sampling	:	17.12.2022 to 18.12.2022			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	84.1	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	37.3	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	14.2	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	34.8	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.78	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3514

Date: :31.12.2022

Sample No. :MSKGL/ED/2022-23/12/01141

Sample Description : Ambient Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Near Godapiasal Village			
Date of sampling	:	17.12.2022 to 18.12.2022			
SI No	Parameters	Unit	RESULT	LIMIT	METHOD OF TEST REFERENCE
1.	Particulate Matter (<10um)	µg/m ³	95.6	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m ³	49.1	60	Lab Sop No. TPM/MSK/E/5/C Based on USEPA CFR 40, part 50 Appendix L, 2006/CPCB Vol. I
3.	Sulphur Dioxide (SO ₂)	µg/m ³	12.2	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Nitrogen Dioxide (NO ₂)	µg/m ³	38.0	80	IS 5182 : Part 6 :2006 (Reaff.2012)
5.	Carbon Monoxide (CO)	mg/m ³	0.49	2	IS 5182 : Part 10 :1999 (Reaff.2014) (NDIR)
NOTE: Limit as per CPCB notification, New Delhi, 18 th November 2009, for Ambient air quality					

Report Prepared By: 

for Mitra S. K. Private Limited

 Authorised Signatory

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Annexure-III

Name & Address of the Customer :
'JSW CEMENT LTD.'
 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. : WB/ED-0136
Date: 24.04.2023
Sample No. : MSKGL/ED/2022-23/03/01287
Sample Description : Fugitive Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location		Near Track Loading Area (RP Building)		
Date of sampling		21.03.2023		
SI No	Parameters	Unit	RESULT	METHOD OF TEST REFERENCE
1.	Suspended Particulate Matter (SPM)	$\mu\text{g}/\text{m}^3$	706.5	TPM/MSK/ENV(AP)/04/01 Issue no- 01 Issue Date April 02: 2018

Report Prepared By 

for Mitra S. K. Private Limited



Authorised Signatory

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Name & Address of the Customer :

JSW CEMENT LTD.
 Jambadia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. : WB/ED-0137

Date: 24.04.2023

Sample No. : MSKGL/ED/2022-23/03/01288

Sample Description : Fugitive Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location		Near Ball Mill		
Date of sampling		21.03.2023		
SI No	Parameters	Unit	RESULT	METHOD OF TEST REFERENCE
1.	Suspended Particulate Matter (SPM)	$\mu\text{g}/\text{m}^3$	933.2	TPM/MSK/ENV(AP)/04/01 Issue no- 01 Issue Date April 02; 2018

Report Prepared By



for Mitra S. K. Private Limited



Authorised Signatory

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3517

Date: :31.12.2022

Sample No. :MSKGL/ED/2022-23/12/01148

Sample Description : Fugitive Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	RP Building		
Date of sampling	:	19.12.2022		
SI No	Parameters	Unit	RESULT	METHOD OF TEST REFERENCE
1.	Suspended Particulate Matter (SPM)	$\mu\text{g}/\text{m}^3$	962.8	TPM/MSK/ENV(AP)/04/01 Issue no- 01 Issue Date April 02: 2018

 Report Prepared By: 

 for Mitra S. K. Private Limited
 Authorized Signatory 

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3518

Date: :31.12.2022

Sample No. :MSKGL/ED/2022-23/12/01149


Sample Description : Fugitive Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Packing Plant		
Date of sampling	:	19.12.2022		
SI No	Parameters	Unit	RESULT	METHOD OF TEST REFERENCE
1.	Suspended Particulate Matter (SPM)	µg/m ³	1271.4	TPM/MSK/ENV(AP)/04/01 Issue no- 01 Issue Date April 02: 2018

Report Prepared By: 

for Mitra S. K. Private Limited
 Authorized Signatory 

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3519

Date: :31.12.2022

Sample No. :MSKGL/ED/2022-23/12/01150

Sample Description : Fugitive Air

Reference No.& Date: JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	:	Coal Yard		
Date of sampling	:	20.12.2022		
SI No	Parameters	Unit	RESULT	METHOD OF TEST REFERENCE
1.	Suspended Particulate Matter (SPM)	µg/m ³	1475.2	TPM/MSK/ENV(AP)/04/01 Issue no- 01 Issue Date April 02: 2018

 Report Prepared By: 

 for Mitra S. K. Private Limited
 Authorized Signatory 

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

FORM 4

(See Rules 9(7) and 10(3))

Annexure-IV

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL

007573

(U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.)

4029

PERMIT NO. P1923445003490000003TSE

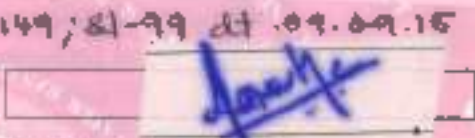
- (a) Name of the applicant (user) : Shri M/s JSN Cement Ltd

(b) Son/Daughter of : N.A.

(c) Address of the applicant : JSN Cement Ltd. Ankur Complex; Vill - Tamberdia; Saltou

(d) Category of farmer (Please tick) (in case of irrigation well) : Small Farmer/Marginal Farmer/Other

(e) Serial No. of application Form and date of submission : BP/20149; 81-99 dt. 09.09.15

(f) Specimen signature of the user : 
- Location particulars—

(a) District : West Midnapore

(b) Block, Mouza, J. L. No., Plot No. : Saltou; Tamberdia; 445, 349

(c) Municipality/Corporation :
 Ward No./Borough No., Holding No. :
- Particulars of the proposed well and pumping device—

(a) Type of the well : T.W

(b) Approx. depth of the well (m) : 150m

(c) Purpose of the well : Industrial (Cement Factory)

(d) Assembly size (for tube well) : 200 mm X 150 mm.

(e) Approx. strainer length (for tube well) : 20 m.

(f) Diameter (for dug well) : — m.

(g) Type of pump to be used : Submersible

(h) H. P. of the pump : 7.5 H.P.

(i) Operational device : Electric Motor

(j) Rate of withdrawal (m³/hr.) : 30m³/hr for 7hr/day

(k) Maximum allowable running hours per day :

This permit authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3)(j) and for running hours / day as shown at Sl. (3)(k), and is valid subject to the observance of the conditions stated overleaf.

Place: W. Midnapore

Date: 16.10.2015

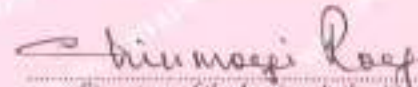
Conditions :

- In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at Sl (2) shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- Any other condition imposed by the concerned Authority.

Office of the Geologist
Geological Sub-Div. No. - IIA, S.W.I.D.

OFFICE
SEAL

Member Secretary, O.L.A.
Paschim Medinipur



Signature of the Issuing Authority
and Designation

Geologist
Geological Sub-Div. No. - IIA, S.W.I.D.

Member Secretary, O.L.A.
Paschim Medinipur

Office of the Geologist
Geological Sub-Div. No. - IIA, S.W.I.D.

OFFICE
SEAL

Member Secretary, O.L.A.
Paschim Medinipur

Conditionality for Package Drinking Water Projects and Industries/Infrastructures:

1. **Roof Top Rain Water Harvesting for Surface Storage :-**
 - A. A Provision for Roof Top rain Water Harvesting is a must that should be kept within the industrial campus area.
 - B. At least 20% of the roof top areas of the industrial building are required to be brought under RWH programme.
 - C. Rain water is required to be collected in a surface storage reservoir (concrete) through a number of pipelines from roofs.
 - D. The roof top rain water collected should be utilized in-
 - i) Washing and cleaning purpose within the entire campus area.
 - ii) Plantations and gardening.
 - iii) Flushing in the toilets.
 - iv) To fulfill any other industrial needs.
 - E. i) Artificial Recharging Techniques into groundwater through any kind of recharge shafts/ filter points should not be allowed strictly by any user.
ii) Drinking water provisions through RWH structures should not be made.
2. Excavation of Pond of size 150 ft × 50 ft with 2 m. depth.
3. Chemical Quality Test Report from Govt./Semi-Govt. approved Laboratory in each year to be submitted to the Geologist & Member Secretary, D.L.A., Paschim Medinipur.
4. The Permit Certificate will be reviewed in every year from the date of issuance of Permit- based on local hydrogeological conditions that may prevail afterwards.
5. Arrangement of Water Meter at the outlet of Tube Well discharge and a logbook to be monitored by Govt. Officials as assigned by the D.L.A. to ascertain the quantity of water utilize (daily log book to be maintained by the users.)
6. The enhanced rate if any in future (including the rates revised retrospectively) of fees/charges/taxes for drawls of ground water on annual basis, should be borne by the applicants for operating their tube wells in a continuous manner.

Chinmoyi Roy 16/10/15
Office of the Geologist
Geological Sub-Div. No.- 1/A, S.W.I.D.,
&
Member Secretary, D.L.A.
Paschim Medinipur

FORM 4

[See Rules 9(3) and 16(5)]

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL.

[US 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

037572

4030

PERMIT NO. P1423445003490000002T&E

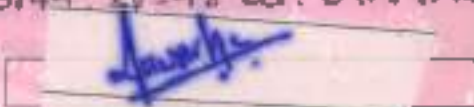
- (a) Name of the applicant (user) : Shri M/s TSW Cement Ltd.

(b) Son/Daughter of : N.A.

(c) Address of the applicant : TSW Cement Ltd; Ankur Complex; Vill

(d) Category of farmer (Please tick) : Tamkedia; Salboni
(in case of irrigation well) Small Farmer/Marginal Farmer/Other

(e) Serial No. of application Form and date of submission : BP/B 0149-01-99 dt. 09.09.15

(f) Specimen signature of the user : 
- Location particulars—

(a) District : West Midnapore

(b) Block, Mouza, J. L. No., Plot No. : Salboni; Tamkedia; 445, 349

(c) Municipality/Corporation : N.A.
Ward No./Borough No., Holding No.
- Particulars of the proposed well and pumping device—

(a) Type of the well : T.W

(b) Approx. depth of the well (m) : 150m

(c) Purpose of the well : Industrial (Cement Factory)

(d) Assembly size (for tube well) : 200 mm X 150 mm.

(e) Approx. strainer length (for tube well) : 30 m.

(f) Diameter (for dug well) : - m.

(g) Type of pump to be used : Submersible

(h) H. P. of the pump : Electric Motor

(i) Operational device : 7.5 H. P.

(j) Rate of withdrawal (m³/hr.) : 30m³/hr for 6hrs/day

(k) Maximum allowable running hours per day

This permit authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3)(j) and for running hours/day as shown at Sl. (3)(k), and is valid subject to the observance of the conditions stated overleaf.

Place: W. Midnapore

Date: 16.10.2015

Conditions:

- In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at Sl. (2) shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- Any other condition imposed by the concerned Authority.

Office of the Geologist
Geological Sub-Div. No. - I/A, S.W.D.,

OFFICE
SEAL

Member Secretary, D.L.A.
Paschim Medinipur

Chinmayi Ray

Signature of the Issuing Authority
and Designation

Geologist
Geological Sub-Divn. No. - I/A, S.W.D.

Member Secretary, D.L.A.
Paschim Medinipur

Office of the Geologist
Geological Sub-Div. No. - I/A, S.W.D.,

OFFICE
SEAL

Member Secretary, D.L.A.
Paschim Medinipur

Conditionality for Package Drinking Water Projects and Industries/Infrastructures:

1. **Roof Top Rain Water Harvesting for Surface Storage :-**
- A. A Provision for Roof Top rain Water Harvesting is a must that should be kept within the industrial campus area.
 - B. At least 20% of the roof top areas of the industrial building are required to be brought under RWH programme.
 - C. Rain water is required to be collected in a surface storage reservoir (concrete) through a number of pipelines from roofs.
 - D. The roof top rain water collected should be utilized in-
 - i) Washing and cleaning purpose within the entire campus area.
 - ii) Plantations and gardening.
 - iii) Flushing in the toilets.
 - iv) To fulfill any other industrial needs.
 - E. i) Artificial Recharging Techniques into groundwater through any kind of 'recharge shafts' filter points should not be allowed strictly by any user.
ii) Drinking water provisions through RWH structures should not be made.
2. Excavation of Pond of size 150 ft x 50 ft with 2 m. depth.
3. Chemical Quality Test Report from Govt./Semi-Govt. approved Laboratory in each year to be submitted to the Geologist & Member Secretary, D.L.A., Paschim Medinipur.
4. The Permit Certificate will be reviewed in every year from the date of issuance of Permit- based on local hydrogeological conditions that may prevail afterwards.
5. Arrangement of Water Meter at the outlet of Tube Well discharge and a logbook to be monitored by Govt. Officials as assigned by the D.L.A. to ascertain the quantity of water utilize (daily log book to be maintained by the users.)
6. The enhanced rate if any in future (including the rates revised retrospectively) of fees/charges/taxes for drawls of ground water on annual basis, should be borne by the applicants for operating their tube wells in a continuous manner.

Chinnoyi Roy 14/10/15
Office of the Geologist
Geological Sub-Div. No. 14 S.W.D.
&
Member Secretary, D.L.A.
Paschim Medinipur

FORM 4

(See Rules 9(3) and 10(5))

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL

[US 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

007574

4028

PERMIT NO. P1428445003490000001TSE

1. (a) Name of the applicant (user) : Shri. Mr. M/G JSW Cement Ltd.
- (b) Son/Daughter of : N.A.
- (c) Address of the applicant : JSW Cement Ltd; Duker Complex, Vaid Jm
Medinipur
- (d) Category of farmer (Please tick) : Small Farmer/Marginal Farmer/Other
- (in case of irrigation well)
- (e) Serial No. of application Form and date of submission : BP/B 0149-25-97; dt 09.09.15
- (f) Specimen signature of the user : 
2. Location particulars—
- (a) District : West Midnapore
- (b) Block, Mouza, J. L. No., Plot No. : Salbari; Jamhedra, 445, 349
- (c) Municipality/Corporation : -
- Ward No./Borough No., Holding No.
3. Particulars of the proposed well and pumping device—
- (a) Type of the well : T.W
- (b) Approx. depth of the well (m) : 150m
- (c) Purpose of the well : Industrial (Cement Factory)
- (d) Assembly size (for tube well) : 200 mm X 150 mm
- (e) Approx. strainer length (for tube well) : 20 m
- (f) Diameter (for dug well) : - m
- (g) Type of pump to be used : Submersible
- (h) H. P. of the pump : 7.5 H.P.
- (i) Operational device : Electric Motor
- (j) Rate of withdrawal (m³/hr.) : 30 m³/hr for 7 hrs/day
- (k) Maximum allowable running hours per day

This permit authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3)(j) and for running hours / day as shown at Sl. (3)(k), and is valid subject to the observance of the conditions stated overleaf.

Place - W. Midnapore

Date : 16.10.2015

Conditions :

- (1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at Sl. (2) shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- (3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellations.
- (4) Any other condition imposed by the concerned Authority.

Office of the Geologist
Geological Sub-Div. No. - IA, S.W.D.

OFFICE
SEAL
Member Secretary, D.L.A.
Paschim Medinipur


Signature of the Issuing Authority
and Designation.
Geologist
Geological Sub-Div. No. - IA, S.W.D.

Office of the Geologist
Geological Sub-Div. No. - IA, S.W.D.

OFFICE
SEAL
Member Secretary, D.L.A.
Paschim Medinipur

Conditionality for Package Drinking Water Projects and Industries/Infrastructures:

1. Roof Top Rain Water Harvesting for Surface Storage :-
- A. A Provision for Roof Top rain Water Harvesting is a must that should be kept within the industrial campus area.
 - B. At least 20% of the roof top areas of the industrial building are required to be brought under RWH programme.
 - C. Rain water is required to be collected in a surface storage reservoir (concrete) through a number of pipelines from roofs.
 - D. The roof top rain water collected should be utilized in-
 - i) Washing and cleaning purpose within the entire campus area.
 - ii) Plantations and gardening.
 - iii) Flushing in the toilets.
 - iv) To fulfill any other industrial needs.
 - E. i) Artificial Recharging Techniques into groundwater through any kind of recharge shafts/ filter points should not be allowed strictly by any user.
ii) Drinking water provisions through RWH structures should not be made.
2. Excavation of Pond of size 150 ft x 50 ft with 2 m. depth.
3. Chemical Quality Test Report from Govt./Semi-Govt. approved Laboratory in each year to be submitted to the Geologist & Member Secretary, D.L.A., Paschim Medinipur.
4. The Permit Certificate will be reviewed in every year from the date of issuance of Permit- based on local hydrogeological conditions that may prevail afterwards.
5. Arrangement of Water Meter at the outlet of Tube Well discharge and a logbook to be monitored by Govt. Officials as assigned by the D.L.A. to ascertain the quantity of water utilize (daily log book to be maintained by the users.)
6. The enhanced rate if any in future (including the rates revised retrospectively) of fees/charges/taxes for drawls of ground water on annual basis, should be borne by the applicants for operating their tube wells in a continuous manner.

Prinmaji Roy 16/10/16
Office of the Geologist
Geological Sub-Div. No. - IA, S.W.D.
&
Member Secretary, D.L.A.
Paschim Medinipur

4066

FORM 4

[See Rules 9(3) and 10(3)]

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL

[US 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

035015

PERMIT NO. P142844600004000001TSE

1. (a) Name of the applicant (user) : Shri/Smt. **JSW CEMENT LIMITED**
 (b) Son/Daughter of : **Saboni, Natunbankati**
 (c) Address of the applicant :
 (d) Category of farmer (Please tick) : Small Farmer/Marginal Farmer/Other
 (in case of irrigation well)
 (e) Serial No. of application Form : **BP/B 0191, SL-88, DE-04/05/2017**
 and date of submission
 (f) Specimen signature of the user : **[Signature]**
2. Location particulars
 (a) District : **Paschim Medinipur**
 (b) Block, Mouza, J. L. No., Plot No. : **Saboni, Natunbankati, 446, 4**
 (c) Municipality/Corporation
 Ward No./Borough No., Holding No.
3. Particulars of the proposed well and pumping device—
 (a) Type of the well : **T.W.**
 (b) Approx. depth of the well (m) : **150m**
 (c) Purpose of the well : **Industrial**
 (d) Assembly size (for tube well) : **200 mm X 150mm.**
 (e) Approx. strainer length (for tube well) : **m.**
 (f) Diameter (for dug well) : **18 m.**
 (g) Type of pump to be used : **Submersible**
 (h) H. P. of the pump : **7.5 H.P.**
 (i) Operational device : **Electric**
 (j) Rate of withdrawal (m³/hr.) : **30 m³/hr**
 (k) Maximum allowable running hours per day : **7 Hours**

This permit authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3)(j) and for running hours / day as shown at Sl. (3) (k), and is valid subject to the observance of the conditions stated overleaf.

Place : **Midnapore**

Date : **3-11-2017**

Conditions :

- (1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at Sl. (2) and (3) shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- (3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be false at any subsequent stage, this permit is liable for cancellation.
- (4) Any other condition imposed by the concerned Authority.

Office of the Geologist
 Geological Sub-Div. No. I/A, S.W.D.,
SEAL &
 Member Secretary, D.L.A.
 Paschim Medinipur

[Signature]
 Signature of the Issuing Authority
 and Designation.

Geologist
 Geological Sub-Div. No. I/A
 S.W.D., Medinipur
 &
 Member Secretary, D.L.A.
 Paschim Medinipur

Office of the Geologist
 Geological Sub-Div. No. I/A, S.W.D.,
OFFICE
 Member Secretary, D.L.A.
 Paschim Medinipur

P.T.O for conditions

[Signature]
02/11/2017

Conditionality for Package Drinking Water Projects and Industries/Infrastructures:

1. Roof Top Rain Water Harvesting for Surface Storage :-
 - A. A Provision for Roof Top rain Water Harvesting is a must that should be kept within the industrial campus area.
 - B. At least 20% of the roof top areas of the industrial building are required to be brought under RWH programme.
 - C. Rain water is required to be collected in a surface storage reservoir (concrete) through a number of pipelines from roofs.
 - D. The roof top rain water collected should be utilized in-
 - i) Washing and cleaning purpose within the entire campus area.
 - ii) Plantations and gardening.
 - iii) Flushing in the toilets.
 - iv) To fulfill any other industrial needs.
 - E. i) Artificial Recharging Techniques into groundwater through any kind of recharge shafts/ filter points should not be allowed strictly by any user.
ii) Drinking water provisions through RWH structures should not be made.
2. Excavation of Pond of size 150 ft x 50 ft with 2 m. depth.
3. Chemical Quality Test Report from Govt./Semi-Govt. approved Laboratory in each year to be submitted to the Geologist & Member Secretary, D.L.A., Paschim Medinipur.
4. The Permit Certificate will be reviewed in every year from the date of issuance of Permit- based on local hydrogeological conditions that may prevail afterwards.
5. Arrangement of Water Meter at the outlet of Tube Well discharge and a logbook to be monitored by Govt. Officials as assigned by the D.L.A. to ascertain the quantity of water utilize (daily log book to be maintained by the users.)
6. The enhanced rate if any in future (including the rates revised retrospectively) of fees/charges/taxes for draws of ground water on annual basis, should be borne by the applicants for operating their tube wells in a continuous manner.

Chinmaji Roy 3/11/17

Geologist, Geological Sub Div No. 1A

S.W.I.D., Paschim Medinipur

&

Member Secretary, DLA, Paschim Medinipur

FORM 4

(See Rules 9(3) and 10(5))

(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL

[UIS 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

005016

4067

PERMIT NO. P142844500349000001TSE

1. (a) Name of the applicant (user) : Shri/Smt. JSW CEMENT LIMITED
- (b) Son/Daughter of : *Salboni, Jambedia*
- (c) Address of the applicant : *Small Farmer/Marginal Farmer/Others*
- (d) Category of farmer (Please tick) (in case of irrigation well) : *BP/B 0191, SL-82, DE-04/08/2017*
- (e) Serial No. of application Form and date of submission : *Taru Chandra*
- (f) Specimen signature of the user : *Paschim Medinipur*
2. Location particulars--
 - (a) District : *Salboni, Jambedia, 445, 349*
 - (b) Block, Mouza, J. L. No., Plot No.
 - (c) Municipality/Corporation Ward No./Borough No., Holding No.
3. Particulars of the proposed well and pumping device--
 - (a) Type of the well : *T.W.*
 - (b) Approx. depth of the well (m) : *150 m*
 - (c) Purpose of the well : *Industrial*
 - (d) Assembly size (for tube well) : *200 mm X 150mm.*
 - (e) Approx. strainer length (for tube well) : *18 m.*
 - (f) Diameter (for dug well) : *18 N/m.*
 - (g) Type of pump to be used : *Submersible*
 - (h) H. P. of the pump : *7.5 H.P.*
 - (i) Operational device : *Electric*
 - (j) Rate of withdrawal (m³/hr.) : *30 m³/hr.*
 - (k) Maximum allowable running hours per day : *7 Hours*

This permit authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3)(j) and for running hours / day as shown at Sl. (3)(k), and is valid subject to the observance of the conditions stated overleaf.

Place: *Midnapore*

Date: *3-11-17*

Conditions:

- (1) In case of any change of ownership of the proposed well, fresh registration shall be required.
- (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at Sl. (2) and (3)(j) shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
- (3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect at any subsequent stage, this permit is liable for cancellation.
- (4) Any other condition imposed by the concerned Authority.

Office of the Geologist
Geological Sub-Div. No. - I/A S W I D.

Member Secretary, D.L.A.
Paschim Medinipur.

Office of the Geologist
Geological Sub-Div. No. - I/A S W I D.

Member Secretary, D.L.A.
Paschim Medinipur.

Chiranjibi Roy

Signature of the Issuing Authority and Designation. *3/11/17*

Geologist
Geological Sub-Div. No. - I/A S W I D.

Member Secretary, D.L.A.
Paschim Medinipur

Shanku
03/11/2017

P.P.O. for Conditionalities

Conditionality for Package Drinking Water Projects and Industries/Infrastructures:

1. Roof Top Rain Water Harvesting for Surface Storage :-

- A. A Provision for Roof Top rain Water Harvesting is a must that should be kept within the industrial campus area.
- B. At least 20% of the roof top areas of the industrial building are required to be brought under RWH programme.
- C. Rain water is required to be collected in a surface storage reservoir (concrete) through a number of pipelines from roofs.
- D. The roof top rain water collected should be utilized in-
 - i) Washing and cleaning purpose within the entire campus area.
 - ii) Plantations and gardening.
 - iii) Flushing in the toilets.
 - iv) To fulfill any other industrial needs.
- E. i) Artificial Recharging Techniques into groundwater through any kind of recharge shafts/ filter points should not be allowed strictly by any user.
ii) Drinking water provisions through RWH structures should not be made.

2. Excavation of Pond of size 150 ft x 50 ft with 2 m. depth.

3. Chemical Quality Test Report from Govt./Semi-Govt. approved Laboratory in each year to be submitted to the Geologist & Member Secretary, D.L.A., Paschim Medinipur.

4. The Permit Certificate will be reviewed in every year from the date of issuance of Permit- based on local hydrogeological conditions that may prevail afterwards.

5. Arrangement of Water Meter at the outlet of Tube Well discharge and a logbook to be monitored by Govt. Officials as assigned by the D.L.A. to ascertain the quantity of water utilize (daily log book to be maintained by the users.)

6. The enhanced rate if any in future (including the rates revised retrospectively) of fees/charges/taxes for draws of ground water on annual basis, should be borne by the applicants for operating their tube wells in a continuous manner.

Chinnogji Rong

Geologist, Geological Sub Div No. 1A
S.W.I.D., Paschim Medinipur

&

Member Secretary, DLA, Paschim Medinipur

3/11/17

4068

FORM 4

(See Rules 9(3) and 10(3))

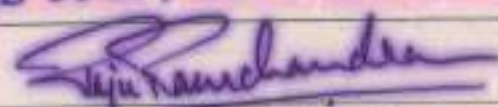
(EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY)

PERMIT FOR SINKING OF NEW WELL

[U/S 7(3)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources (Management, Control and Regulation) Act 2005.]

035017

PERMIT NO. P1428456001940000001TSE

1. (a) Name of the applicant (user) : Shri/Smt. **JSW CEMENT LIMITED**
- (b) Son/Daughter of : **Sahani, Kulphini**
- (c) Address of the applicant : _____
- (d) Category of farmer (Please tick) : **Small Farmer/Marginal Farmer/Others**
- (e) Serial No. of application Form and date of submission : **BP/B 0191, SL-83, DE-04/08/2017**
- (f) Specimen signature of the user : 
2. Location particulars—
- (a) District : **Paschim Medinipur**
- (b) Block, Mouza, J. L. No., Plot No. : **Sahani, Kulphini, 456, 194**
- (c) Municipality/Corporation Ward No./Borough No., Holding No. : _____
3. Particulars of the proposed well and pumping device—
- (a) Type of the well : **T.W.**
- (b) Approx. depth of the well (m) : **150 m**
- (c) Purpose of the well : **Industrial**
- (d) Assembly size (for tube well) : **200 mm X 150 mm**
- (e) Approx. strainer length (for tube well) : **18 m**
- (f) Diameter (for dug well) : **m**
- (g) Type of pump to be used : **Submersible**
- (h) H. P. of the pump : **7.5 H.P.**
- (i) Operational device : **Electric**
- (j) Rate of withdrawal (m³/hr.) : **30 m³/hr**
- (k) Maximum allowable running hours per day : **7 Hours**

This permit authorizes the owner applicant (user) to sink a well in the location specified at SL (2) for extraction of ground water at a rate not exceeding that as shown at SL (3)(j) and for running hours / day as shown at SL (3) (k), and is valid subject to the observance of the conditions stated overleaf.

Place: **Midnapore**

Date: **3/11/17**

Office of the Geologist
Geological Sub-Div. No. I/A, S.W.I.D.,
SEAL
Member Secretary, D.L.A.
Paschim Medinipur



Signature of the Issuing Authority
and Designation. **3/11/17**

Geologist
Geological Sub-Div. No. I/A
S.W.I.D., Medinipur
Member Secretary, D.L.A.

- Conditions:
- (1) In case of any change of ownership of the proposed well, fresh registration has to be obtained.
 - (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) for extraction of ground water shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this permit.
 - (3) In case, any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
 - (4) Any other condition imposed by the concerned Authority.

Office of the Geologist
Geological Sub-Div. No. I/A, S.W.I.D.,
OFFICE SEAL
Member Secretary, D.L.A.
Paschim Medinipur

P.RO for Conditional


03/11/17

Conditionality for Package Drinking Water Projects and Industries/Infrastructures:

1. Roof Top Rain Water Harvesting for Surface Storage :-

- A. A Provision for Roof Top rain Water Harvesting is a must that should be kept within the industrial campus area.
- B. At least 20% of the roof top areas of the industrial building are required to be brought under RWH programme.
- C. Rain water is required to be collected in a surface storage reservoir (concrete) through a number of pipelines from roofs.
- D. The roof top rain water collected should be utilized in-
 - i) Washing and cleaning purpose within the entire campus area.
 - ii) Plantations and gardening.
 - iii) Flushing in the toilets.
 - iv) To fulfill any other industrial needs.
- E. i) Artificial Recharging Techniques Into groundwater through any kind of recharge shafts/ filter points should not be allowed strictly by any user.
ii) Drinking water provisions through RWH structures should not be made

2. Excavation of Pond of size 150 ft x 50 ft with 2 m. depth.

- 3. Chemical Quality Test Report from Govt./Semi-Govt. approved Laboratory in each year to be submitted to the Geologist & Member Secretary, D.L.A., Paschim Medinipur.
- 4. The Permit Certificate will be reviewed in every year from the date of issuance of Permit- based on local hydrogeological conditions that may prevail afterwards.
- 5. Arrangement of Water Meter at the outlet of Tube Well discharge and a logbook to be monitored by Govt. Officials as assigned by the D.L.A. to ascertain the quantity of water utilize (daily log book to be maintained by the users.)
- 6. The enhanced rate if any in future (including the rates revised retrospectively) of fees/charges/taxes for draws of ground water on annual basis, should be borne by the applicants for operating their tube wells in a continuous manner.

Shrimoyee Roy 3/11/17
Geologist, Geological Sub Div No. 1A
S.W.I.D., Paschim Medinipur

&
Member Secretary, DLA, Paschim Medinipur

TEST REPORT

Annexure-V

Name & Address of the Customer :

'JSW CEMENT LTD.'

Jambedia & Others ,

Salboni (Division),

Medinipur Sada (Sub Division)

Bik - Salboni , Salboni- 721147

Report No. :WB/ED-0129

Date : 24.04.2023

Sample No. :MSKGL/ED/2022-23/03/01277-80

Sample Description : Noise


Ref. No. & Date : JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	Near Godapinsal Village	Near Labour Colony	Near Project Office	Near Railway Siding
Monitoring Date	17.03.2023 to 18.03.2023	17.03.2023 to 18.03.2023	18.03.2023 to 19.03.2023	18.03.2023 to 19.03.2023
Time (In Hrs.)	Hourly Leq dB(A)			
06.00-07.00	45.5	42.6	47.7	50.1
07.00-08.00	43.5	47.3	45.7	52.2
08.00-09.00	46.5	50.1	45.9	53.9
09.00-10.00	52.4	54.0	49.2	53.2
10.00-11.00	54.8	55.0	51.4	52.8
11.00-12.00	54.0	55.4	53.7	53.7
12.00-13.00	55.3	57.0	56.6	55.3
13.00-14.00	57.0	56.5	56.1	54.5
14.00-15.00	56.8	53.5	55.5	53.7
15.00-16.00	56.3	53.3	53.8	56.3
16.00-17.00	52.6	52.4	55.3	56.6
17.00-18.00	57.3	54.4	52.6	52.6
18.00-19.00	50.7	56.7	54.8	53.2
19.00-20.00	52.5	51.6	53.4	54.1
20.00-21.00	44.5	54.6	53.1	53.1
21.00-22.00	45.3	53.6	49.5	51.9
22.00-23.00	45.3	49.4	48.1	48.0
23.00-00.00	47.9	45.5	43.9	40.9
00.00-01.00	43.5	45.1	45.9	43.6
01.00-02.00	43.1	45.3	46.0	43.7
02.00-03.00	47.0	42.8	46.0	43.8
03.00-04.00	46.1	40.2	42.7	45.1
04.00-05.00	48.2	44.5	43.8	44.2
05.00-06.00	42.4	44.1	42.7	42.7
Leq dB(A) day	53.6	54.0	53.3	53.9
Leq dB(A) night	45.9	45.3	45.3	44.5
Leq dB(A) Max	57.3	57.0	56.6	56.6
Leq dB(A) Min	42.4	40.2	42.7	40.9

Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

NOTE :Day Time : 06.00 Hr.-22.00 Hr.
Night Time:22.00 Hr.-06.00 Hr.Report Prepared By for Mitra S. K. Private Limited

Authorised Signatory

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'

Jambadia & Others ,

Salboni (Division),

Medinipur Sada (Sub Division)

Blk - Salboni , Salboni- 721147

Report No. :WB/ED-0130

Date : 24.04.2023

Sample No. :MSKGL/ED/2022-23/03/01281-82

Sample Description : Noise

Ref. No. & Date : JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	Near CPP Area	Near BHK Staff Colony
Monitoring Date	19.03.2023 to 20.03.2023	19.03.2023 to 20.03.2023
Time (In Hrs.)	Hourly Leq dB(A)	
06.00-07.00	46.8	47.8
07.00-08.00	48.9	48.4
08.00-09.00	50.4	50.2
09.00-10.00	49.9	51.9
10.00-11.00	52.1	51.8
11.00-12.00	52.6	50.0
12.00-13.00	49.0	50.7
13.00-14.00	53.3	52.1
14.00-15.00	53.4	52.2
15.00-16.00	54.5	50.5
16.00-17.00	52.3	52.9
17.00-18.00	52.8	51.7
18.00-19.00	47.9	49.0
19.00-20.00	44.6	48.4
20.00-21.00	42.6	47.5
21.00-22.00	47.4	47.2
22.00-23.00	44.7	43.7
23.00-00.00	41.7	42.4
00.00-01.00	46.6	42.4
01.00-02.00	44.2	42.3
02.00-03.00	44.7	44.2
03.00-04.00	42.3	43.7
04.00-05.00	44.9	44.4
05.00-06.00	46.2	47.8
Leq dB(A) day	51.0	50.5
Leq dB(A) night	44.7	44.2
Leq dB(A) Max	54.5	52.9
Leq dB(A) Min	41.7	42.3

Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

NOTE :

Day Time : 06.00 Hr.-22.00 Hr.
Night Time:22.00 Hr.-06.00 Hr.

Report Prepared By 

for Mitra S. K. Private Limited

 Authorised Signatory

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'
 Jambadia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. : WB/ED-4438
Date : 09.03.2023
Sample No. : MSKGL/ED/2022-23/02/01464-67
Sample Description : Noise
Ref. No. & Date : JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT


Location	Near Railway Siding Area	Near Labour Colony	Near BHK Staff Colony	Near Project Office
Monitoring Date	23.02.2023 to 24.02.2023	23.02.2023 to 24.02.2023	24.02.2023 to 25.02.2023	24.02.2023 to 25.02.2023
Time (In Hrs.)	Hourly Leq dB(A)			
06.00-07.00	51.0	49.8	48.5	50.7
07.00-08.00	52.5	49.9	49.8	52.7
08.00-09.00	53.7	52.4	52.2	51.5
09.00-10.00	54.9	54.9	53.4	53.1
10.00-11.00	58.6	56.1	54.5	55.4
11.00-12.00	61.9	53.5	54.0	53.8
12.00-13.00	61.3	53.0	51.4	48.9
13.00-14.00	55.1	51.9	48.7	46.2
14.00-15.00	51.7	50.9	48.4	48.3
15.00-16.00	56.7	49.9	46.3	47.5
16.00-17.00	52.1	46.8	47.2	50.1
17.00-18.00	55.4	47.0	46.7	53.1
18.00-19.00	56.0	48.8	43.3	49.1
19.00-20.00	55.3	48.1	46.1	45.9
20.00-21.00	55.5	44.1	46.1	47.0
21.00-22.00	50.6	43.7	48.2	44.5
22.00-23.00	48.6	46.4	46.9	47.1
23.00-00.00	43.3	41.7	42.4	47.6
00.00-01.00	41.5	42.0	40.1	43.7
01.00-02.00	42.3	44.6	41.6	43.5
02.00-03.00	44.4	43.7	44.6	42.1
03.00-04.00	44.4	43.6	47.0	44.8
04.00-05.00	42.1	42.1	43.9	45.7
05.00-06.00	42.3	45.1	40.9	41.3
Leq dB(A) day	56.5	51.3	50.2	50.9
Leq dB(A) night	44.3	43.9	44.1	45.0
Leq dB(A) Max	61.9	56.1	54.5	55.4
Leq dB(A) Min	41.5	41.7	40.1	41.3

Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

NOTE :

Day Time : 06.00 Hr.-22.00 Hr,
 Night Time:22.00 Hr.-06.00 Hr.

 Report Prepared By 

for Mitra S. K. Private Limited

 Authorised Signatory

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'
 Jambadia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. : WB/ED-4439

Date : 09.03.2023

Sample No. : MSKGL/ED/2022-23/02/01468-469

Sample Description : Noise

Ref. No. & Date : JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	Near CPP Area	Near Godapiasal Village
Monitoring Date	25.02.2023 to 25.02.2023	25.02.2023 to 25.02.2023
Time (In Hrs.)	Hourly Leq dB(A)	
06.00-07.00	48.8	48.6
07.00-08.00	48.4	48.3
08.00-09.00	50.3	50.1
09.00-10.00	48.4	52.4
10.00-11.00	53.2	54.2
11.00-12.00	54.4	54.4
12.00-13.00	54.1	48.3
13.00-14.00	51.4	49.2
14.00-15.00	48.0	50.2
15.00-16.00	47.4	53.5
16.00-17.00	48.8	48.3
17.00-18.00	50.4	47.9
18.00-19.00	47.8	48.1
19.00-20.00	47.9	47.3
20.00-21.00	47.4	46.4
21.00-22.00	45.7	47.2
22.00-23.00	47.8	47.8
23.00-00.00	47.8	47.3
00.00-01.00	45.6	43.0
01.00-02.00	46.5	43.8
02.00-03.00	44.9	43.0
03.00-04.00	44.0	44.6
04.00-05.00	45.6	45.7
05.00-06.00	47.3	44.3
Leq dB(A) day	50.3	50.5
Leq dB(A) night	46.4	45.3
Leq dB(A) Max	54.4	54.4
Leq dB(A) Min	44.0	43.0

Noise Limit as per CPCB		
Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40

NOTE :
 Day Time : 06.00 Hr.-22.00 Hr.
 Night Time:22.00 Hr.-06.00 Hr.

 Report Prepared By 

for Mitra S. K. Private Limited

 Authorised Signatory 

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. : WB/ED-3887

Date : 31.01.2023

Sample No. : MSKGL/ED/2022-23/01/00606-609

Sample Description : Noise

Ref. No. & Date : JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	Near project Office	Near BHK Staff Colony	Near Railway Siding	Near CPP Area
Monitoring Date	11.01.2023 to 12.01.2023	11.01.2023 to 12.01.2023	12.01.2023 to 13.01.2023	12.01.2023 to 13.01.2023
Time (In Hrs.)	Hourly Leq dB(A)			
06.00-07.00	41.3	40.8	45.3	41.6
07.00-08.00	42.5	42.1	48.5	42.9
08.00-09.00	45.2	41.8	51.9	45.9
09.00-10.00	44.5	43.7	56.2	45.4
10.00-11.00	43.1	49.9	53.9	49.9
11.00-12.00	48.0	52.8	54.3	52.4
12.00-13.00	54.0	51.1	60.2	52.3
13.00-14.00	52.8	54.2	63.2	55.3
14.00-15.00	55.9	54.1	63.5	54.6
15.00-16.00	54.1	54.6	59.9	52.6
16.00-17.00	52.2	53.5	53.0	54.6
17.00-18.00	48.2	54.5	53.9	54.3
18.00-19.00	46.6	55.0	55.3	53.9
19.00-20.00	46.4	58.4	55.0	47.8
20.00-21.00	43.9	54.9	55.9	44.5
21.00-22.00	42.6	56.0	50.3	46.1
22.00-23.00	44.8	49.0	51.2	41.5
23.00-00.00	44.5	46.9	42.9	47.1
00.00-01.00	45.4	46.8	43.5	43.2
01.00-02.00	46.2	44.0	42.8	45.3
02.00-03.00	46.1	46.2	45.7	43.6
03.00-04.00	40.9	47.0	44.9	46.0
04.00-05.00	42.7	42.3	42.1	43.3
05.00-06.00	41.8	45.1	42.3	46.3
Leq dB(A) day	50.1	53.4	57.6	51.6
Leq dB(A) night	44.4	46.3	45.7	44.9
Leq dB(A) Max	55.9	58.4	63.5	55.3
Leq dB(A) Min	40.9	42.3	42.1	41.5

Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time	NOTE : Day Time : 06.00 Hr.-22.00 Hr. Night Time:22.00 Hr.-06.00 Hr.
Industrial	75	70	
Commercial	65	55	
Residential	55	45	
Silence	50	40	

 Report Prepared By: 

 for: Mitra S.K. Private Limited
 Authorized Signatory

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Name & Address of the Customer :

'JSW CEMENT LTD.'
 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. : WB/ED-3888

Date : 31.01.2023

Sample No. : MSKGL/ED/2022-23/01/00610-611

Sample Description : Noise

Ref. No. & Date : JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	Near Godapiasal Village	Near Labour Colony
Monitoring Date	13.01.2023 to 14.01.2023	13.01.2023 to 14.01.2023
Time (In Hrs.)	Hourly Leq dB(A)	
06.00-07.00	46.1	40.6
07.00-08.00	46.0	42.5
08.00-09.00	49.5	46.8
09.00-10.00	50.1	49.9
10.00-11.00	49.9	52.1
11.00-12.00	53.3	53.2
12.00-13.00	52.0	54.2
13.00-14.00	52.9	54.0
14.00-15.00	46.1	56.9
15.00-16.00	50.3	54.4
16.00-17.00	51.8	52.9
17.00-18.00	56.3	56.7
18.00-19.00	56.1	53.8
19.00-20.00	53.1	52.7
20.00-21.00	57.4	54.6
21.00-22.00	52.0	54.8
22.00-23.00	54.0	54.6
23.00-00.00	53.3	53.0
00.00-01.00	56.1	55.2
01.00-02.00	53.3	41.8
02.00-03.00	49.6	44.9
03.00-04.00	47.5	45.0
04.00-05.00	43.3	44.2
05.00-06.00	44.3	45.0
Leq dB(A) day	52.7	53.4
Leq dB(A) night	52.0	50.8
Leq dB(A) Max	57.4	56.9
Leq dB(A) Min	43.3	41.8

Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time	NOTE : Day Time : 06.00 Hr.-22.00 Hr. Night Time:22.00 Hr.-06.00 Hr.
Industrial	75	70	
Commercial	65	55	
Residential	55	45	
Silence	50	40	

 Report Prepared By: 

 for Mitra S.K. Private Limited
 Authorized Signatory: 

- The results relate only to the item(s) tested.
- This Test Report shall not be reproduced except in full, without the permission of Mitra S.K. Private Limited.

TEST REPORT

Name & Address of the Customer :

‘JSW CEMENT LTD.’

Jambedia & Others ,

Salboni (Division),

Medinipur Sada (Sub Division)

Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3515

Date : 31.12.2022

Sample No. :MSKGL/ED/2022-23/12/01142

Sample Description : Noise

Ref. No. & Date : JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	Near project Office	Near BHK Staff Colony	Near Labour Colony	Near Railway Siding
Monitoring Date	15.12.2022 to 16.12.2022	15.12.2022 to 16.12.2022	16.12.2022 to 17.12.2022	16.12.2022 to 17.12.2022
Time (In Hrs.)	Hourly Leq dB(A)			
06.00-07.00	53.8	51.0	49.4	50.1
07.00-08.00	53.2	51.0	53.1	51.3
08.00-09.00	58.3	53.1	56.3	54.1
09.00-10.00	57.2	54.3	55.0	57.5
10.00-11.00	60.3	59.1	59.9	58.1
11.00-12.00	62.6	61.2	59.9	60.2
12.00-13.00	61.8	60.2	59.5	59.1
13.00-14.00	61.0	59.2	59.9	58.7
14.00-15.00	59.1	60.2	58.4	60.3
15.00-16.00	60.2	61.1	57.1	60.3
16.00-17.00	62.8	62.0	57.6	58.8
17.00-18.00	58.9	59.3	56.3	57.8
18.00-19.00	58.0	56.9	55.7	57.7
19.00-20.00	56.9	56.9	53.8	55.6
20.00-21.00	55.7	53.9	52.3	53.9
21.00-22.00	55.1	54.0	52.4	51.9
22.00-23.00	53.4	51.0	50.3	51.2
23.00-00.00	51.2	48.9	47.5	52.9
00.00-01.00	51.2	47.9	47.1	51.7
01.00-02.00	49.9	48.6	45.8	50.0
02.00-03.00	50.2	47.1	44.5	49.9
03.00-04.00	51.1	48.8	45.3	48.4
04.00-05.00	49.6	49.4	48.1	50.4
05.00-06.00	51.8	50.6	49.3	50.5
Leq dB(A) day	59.3	58.4	57.0	57.6
Leq dB(A) night	51.2	49.2	47.6	50.8
Leq dB(A) Max	62.8	62.0	59.9	60.3
Leq dB(A) Min	49.6	47.1	44.5	48.4

Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time	NOTE : Day Time : 06.00 Hr.-22.00 Hr. Night Time:22.00 Hr.-06.00 Hr.
Industrial	75	70	
Commercial	65	55	
Residential	55	45	
Silence	50	40	

Report Prepared By: for Mitra S.K. Private Limited
Authorized Signatory 

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TEST REPORT

Name & Address of the Customer :
'JSW CEMENT LTD.'

 Jambedia & Others ,
 Salboni (Division),
 Medinipur Sada (Sub Division)
 Blk - Salboni , Salboni- 721147

Report No. :WB/ED-3516

Date : 31.12.2022

Sample No. :MSKGL/ED/2022-23/12/01146-47

Sample Description : Noise

Ref. No. & Date : JSWCL/SALBONI/22-23/7700018889, dtd -28.07.2022

ANALYSIS RESULT

Location	Near CPP Area	Near Godapiasal Village
Monitoring Date	17.12.2022 to 18.12.2022	17.12.2022 to 18.12.2022
Time (In Hrs.)	Hourly Leq dB(A)	
06.00-07.00	51.1	49.2
07.00-08.00	54.1	49.0
08.00-09.00	57.8	51.1
09.00-10.00	57.5	53.0
10.00-11.00	59.9	56.0
11.00-12.00	61.7	57.2
12.00-13.00	63.1	57.0
13.00-14.00	60.0	55.0
14.00-15.00	59.9	52.5
15.00-16.00	57.8	52.8
16.00-17.00	58.5	53.3
17.00-18.00	57.9	51.4
18.00-19.00	57.7	50.7
19.00-20.00	58.3	49.1
20.00-21.00	58.0	48.0
21.00-22.00	55.8	46.9
22.00-23.00	53.9	47.1
23.00-00.00	52.2	44.1
00.00-01.00	50.9	44.0
01.00-02.00	49.6	44.2
02.00-03.00	49.6	45.2
03.00-04.00	50.3	49.1
04.00-05.00	50.8	48.9
05.00-06.00	51.3	48.9
Leq dB(A) day	58.8	53.1
Leq dB(A) night	51.3	47.0
Leq dB(A) Max	63.1	57.2
Leq dB(A) Min	49.6	44.0

Noise Limit as per CPCB

Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time	NOTE : Day Time : 06.00 Hr.-22.00 Hr. Night Time:22.00 Hr.-06.00 Hr.
Industrial	75	70	
Commercial	65	55	
Residential	55	45	
Silence	50	40	

 Report Prepared By: 

 for Mitra S.K. Private Limited
 Authorized Signatory 

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**Expenditure towards Enterprise Social Commitment (ESC) for Compliance
Period : October-2022 to March-2023.**

JSW Cement Limited, Salboni (Cement plant & CPP)			
Category	Sl. No.	Activity	Total Expenditure (Rs. in Lakhs)
Category 1			
Improving Living Conditions	1.1	Promoting Health Care	29.47
	1.2	Safe Drinking water	
	1.3	Agriculture Business	15.04
Category 2			
Promoting Social Development	2.1	Formal educational institution infrastructure & Development	19.09
	2.2	Vocational educational institution infrastructure & Development	
Category 3			
Addressing Environmental Issues	3.1	Tree Plantation	
	3.2	Promoting use of Renewable energy	
Category 4			
Rural Development Projects	4.1	Rural Roads and Drainages	
	4.2	Infrastructure facilities in Rural area	1.43
Category 5			
Addressing Social Inequalities	5.1	Livelihoods	12.77
Overhead			
Project Management Cost	6.1	Project Management Cost	0.49
Total			78.29