

Date: 16.05.2017

Ref. RCL /ENV_COMPL /June 2017

To,

The Member Secretary
State Environment Impact Assessment Authority (SEIAA)
Department of Environment, Govt. of West Bengal,
FD-415/A, Sector-III, Pour Bhavan, 4th Floor
Bidhannagar, Kolkata-700106
West Bengal, India

Sub. Six Monthly (JUNE-2017) compliance report for M/s Rashmi Cement Limited

Ref: -

1. EC No.-EN/2761/T-II-I/018/2008; Dated 22nd Dec. 2008
2. EC - No.-1276/EN/T-II-I/044/2014; Dated: 27th May, 2015

Dear Sir,

With reference to the above, we are hereby submitting the six monthly compliance reports for period from October 2016 to March 2017 for I.F. No: EC No EN/2761/T-II-I/018/2008; Dated 22nd Dec. 2008 for cement grinding unit for 1.8 lakhs TPA Cement Grinding Unit and for I.F. No: EC - No.-1276/EN/T-II-I/044/2014; Dated: 27/05/2015 for expansion of Cement Grinding Unit from 0.18 MTPA to 0.96 MTPA by adding 1x 600 TPD Ball Mill & 1 x 2000 TPD VRM at existing plant premises at - Village- Boria, Jitusole, P.S. - Jhargram, District-Paschim Medinipur (W.B.), in the name of M/s Rashmi Cement Limited in Hard Copy format.

We assured that we will comply all the conditions laid down in the consent letter and also abide to follow all the Rules & Regulations.

Hope you will find the same in order.

Thanking you.

Yours Faithfully,

For, M/s Rashmi Cement Limited

Authorized signatory

C.C:-

1. The Member Secretary
West Bengal Pollution Control Board, Parivesh Bhawan,
10A Block - LA, Sector - III, Kolkata - 700 91

Enclosures:-

1. Compliance Report for EC; Dated 22.12.2008 & EC; Dated 27.05.2015
2. Copy of Stack Emission Analysis Annexure-I
3. Copy of Fugitive Report as Annexure-II
4. Copy of AQIM Report as Annexure-III
5. Copy of Water Extraction Permission as Annexure-IV
6. Copy of Noise Monitoring Report as Annexure-V
7. Copy of Valid CFD Copy for 1 x 2000 TPD VRM as Annexure-VI
8. Water Report enclosed as Annexure-VII



FOR
M/s RASHMI CEMENT LIMITED

**Project Name- Expansion of Cement Grinding
Unit from 0.18 MTPA to 0.36 MTPA by adding 1x
600 TPD Ball Mill at existing plant premises**

EC - No.-/EN/2761/T-II-I/018/2008 on 22/12/2008



**Location: - Village-Boria, P.O-Garhsalboni, P.S-Jhargram,
District-Paschim Midnapore (W.B.)**



M/s RASHMI CEMENT LIMITED

HALF YEARLY ENVIRONMENTAL COMPLIANCE STATUS

REPORT- June 2017

Period (October 2016 to March 2017))

Project Name-Cement Grinding Unit

Location: - Village- Jitusole, Jhargram, District-West Midnapore (W.B.)

(Reference: EC No.-EN/2761/T-II-I/018/2008; Dated 22nd Dec. 2008)

SL. No.	CONDITIONS	COMMENTS
A. SPECIFIC CONDITIONS		
i.	<p>The gaseous emissions from various process 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.</p>	<ul style="list-style-type: none">• We are regularly monitoring the stack emission for Ball Mill, Coal fired dryers , packing section, raw materials section etc. by WBPCB authorized laboratory in time to time.• Latest Stack emission analysis reports are attached as Annexure No. – I.• Also as per new regulation of CPCB we are having 24x7 online monitoring facilities and it is continuously being transferred to CPCB server and can be easily accessible.
ii.	<p>Coal handling plant, all vibrating screens, storage bins should be adequately covered. Covered storage yards shall be provided for raw materials. Adequate dust suppression and extraction system should be provided in material storage areas. Closed unloading of raw materials and closed conveyor belt for transportation should be ensured. Suction system followed by Bag filters should be provided at all transfer points. The stack emission should not exceed 50 mg/Nm³.</p>	<ul style="list-style-type: none">• Coal handling plant, conveyors and storage bins are covered by GI Sheets to prevent all types of fugitive emission.• We have installed adequate numbers of Bag Filters in raw materials transferred points, coal handling sites etc.• Monitoring the stack emission by WBPCB authorized laboratories in time to time and maintaining the WBPCB prescribed emission limits for all such stacks.



iii.	<p>Water sprinkling arrangement shall be made in the raw material stockyards, cement bag loading areas and other high dust potential areas for controlling fugitive emission, Fugitive dust emissions from ball mill and storage areas shall be collected in bag filters and recycled back to the process.</p>	<ul style="list-style-type: none"> • Arrangement for Water sprinklers, Dry Fog systems are made in raw materials stockyards, packing areas and other high dust potential areas for controlling the fugitive emissions. • Adequate numbers of Bag Filters are installed in Ball Mill – IV and packing section for controlling the fugitive emission as well as stack emission under the prescribed limit. <p>Fugitive Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB authorized laboratories. Fugitive reports are attached for your ready reference as Annexure No.-II.</p>
iv.	<p>Cement grinding shall be carried out in closed cement mill. Further, provision of dust extraction and pollution control system consisting of highly efficient Bag Filters, ID Fan and stack of minimum 30m height from G.L. should be made for Cement mill, storage silo and packing section. Finished cement should be collected in silo and packaging should be done through pneumatically controlled system.</p>	<ul style="list-style-type: none"> • Complied with
v.	<p>Slag Dryer shall be provided with Cyclone Separator, Bag filter and ID Fan, with stack of minimum 30m height from G.L for control of emission. Stack emissions shall be monitored at regular intervals and records maintained.</p>	<ul style="list-style-type: none"> • We have two numbers of coal fired driers which are provided two separates Cyclones with Bag Filters and common stack height 40 Meters. • We have made common stacks for betterment of off gas dispersion.
vi.	<p>Regular monitoring of the air quality shall be carried out in and around the plant and records shall be maintained.</p>	<ul style="list-style-type: none"> • Ambient Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB authorized laboratories. • AAQM reports are attached for your ready reference as Annexure No.-III.

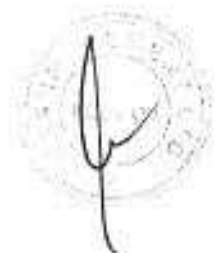


vii.	Groundwater shall not be abstracted without prior permission of competent authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005. Groundwater recharging is not permitted.	<ul style="list-style-type: none"> We have obtained Ground water withdrawal permission from State Water Investigation Department (SWID); copy is attached for your ready reference as Annexure No. — IV.
viii.	Process effluent discharge is not permitted under this environmental clearance.	<ul style="list-style-type: none"> Complied, we are having dry grinding process, so zero discharge. <p><i>Water Report enclosed as Annexure-VI</i></p>
ix.	Clinker manufacturing/heating is not permitted under this environmental clearance.	<ul style="list-style-type: none"> We have only 1.84 TPA Cement Grinding units where Clinker Grinding has been made.
x.	Solid waste viz. dust generated shall be properly recycled and reutilized in the process itself.	<ul style="list-style-type: none"> Bag Filters dust are recycled and reused in process itself.
xi.	The unit must develop water body with adequate capacity over 1.5 acre areas as proposed to harvest rainwater so as to use the stored water for plantation, fire fighting, washing and cleaning etc. Recharging of Groundwater is not permitted.	<p>Till date we have developed 0.5 acre area as rain water harvesting and work is still under progress to achieve the target of 1.5 acre.</p>
xii.	Green belt shall be developed within and around the plant premises. At least 33% of the total land should be used for plantation purpose, as proposed. Apart from greenbelt, the unit may also develop social forestry giving priority to the fruit trees. Selection of appropriate species for the plantation programme may be done in consultation with the District Forest Officer of the respective area/West Bengal Wasteland Development Corporation Ltd/West Bengal Biodiversity Board.	<ul style="list-style-type: none"> Around 4.30 Acres land are using for Green Belt development. In 2016 to 2017, we planted around 1900 pieces plant / seedlings. In the current year 2017-2018, we will be planting 1800 pieces seedlings in the periphery of plant boundary.
xiii.	Ambient noise level should not exceed the permissible limit. 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 and its	<ul style="list-style-type: none"> All types of regulatory norms are complied. Ambient Noise Quality Monitoring reports are attached as Annexure No. — V.

	amendments viz. 75 dB(A) Leq. (Daytime) and 70 dB(A) Leq (night-time).	
xiv.	All internal roads should be pitched. 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. The proponent should explore the possibility of using solar lighting.	<ul style="list-style-type: none"> • 75% internal roads are concrete and remains will be done in shortly. • Adequate lighting facilities are provided in factory premises. • We have mechanical street swiping machine to maintain the proper housekeeping practice.
xv.	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 per the Factories Act.	<ul style="list-style-type: none"> • We are providing adequate numbers of Personnel Protective Equipment (PPE's) to all levels of workers as well as managerial staffs • Occupational Health check up facilities are available for workers in regular basis
xvi.	Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.	<ul style="list-style-type: none"> • We have installed adequate numbers, fire fighting equipments to prevent of any types of fire hazards. • Rashmi Group have own Fire Fighting car for those purpose.
xvii.	The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.	<ul style="list-style-type: none"> • Complied with
B. GENERAL CONDITIONS		
i.	The project proponent shall comply with all the Le 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, and health care etc.	<ul style="list-style-type: none"> • Being complied with



ii.	All the conditions, liabilities, and legal provisions contained in the Environmental Clearance 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 entity.	• Noted
iii.	Provision should be made for the supply of kerosene or do. 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.	• At current the plant is in operation phase, if there will be any construction work same will be complied with.
iv.	The project proponent should make financial provision in the total budget of the project for implementation of the environmental management plan	• Complied as per EIA – Environment Management Plan.
v.	No further expansion or modification in the plant should be carried out without prior approval of the State Level Environment Impact Assessment Authority.	• In order to comply to this point we have obtained E.C. for expansion of our plant from 0.18 MTPA to 0.96 MTPA
vi.	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 proponents during their inspection. A yearly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPSB regularly. A complete set of all documents should also be forwarded to the State Level Environment Impact Assessment Authority.	• Being complied with.
vii.	In the case of any changes(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.	• Being complied with.
viii.	The State Level Environment Impact Assessment Authority reserves the right to add additional	• Noted



	<p>safeguard measures subsequently, if found necessary, and to take action including revoking of the environmental clearance under the provision of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.</p>	
ix.	<p>The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA and copies of the clearance letter are available with the State Pollution Control Board/committee and may also be been at Website of the SEIAA (http://envfor.nic.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>	<ul style="list-style-type: none"> • Already being complied with
x.	<p>The Project Authorities should inform the State Pollution control board as well as the SEIAA the date of financial closure and final approval of the project by the concerned authorities</p>	<ul style="list-style-type: none"> • Noted
xi.	<p>Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB before commencement of construction. All other statutory clearance should be obtained by project proponent from 411 the competent authorities.</p>	<ul style="list-style-type: none"> • Being complied with
xii.	<p>The environmental clearance accorded shall be valid for a period of 5 years for the proposed project.</p>	<ul style="list-style-type: none"> • Noted
xiii.	<p>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 Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.</p>	<ul style="list-style-type: none"> • Noted



FOR
M/s RASHMI CEMENT LIMITED

**Project Name- Expansion of Cement Grinding
Unit from 0.18 MTPA to 0.96 MTPA by adding 1x
600 TPD Ball Mill & 1 x 2000 TPD VRM at
existing plant premises**

EC - No.-1276/EN/T-II-I/044/2014 on 27/05/2015



**Location: - Village-Boria, P.O-Garhsalboni, P.S-Jhargram,
District-Paschim Midnapore (W.B.)**



M/s RASHMI CEMENT LIMITED (Cement Division)

**HALF YEARLY ENVIRONMENTAL COMPLIANCE STATUS
REPORT- DECEMBER 2016**

Period (April 2016-September 2016)

**Project Name- Expansion of Cement Grinding Unit from 0.18 MTPA to 0.96 MTPA
by adding 1x 600 TPD Ball Mill & 1 x 2000 TPD VRM at existing plant premises**

**Location: - Village-Boria, P.O-Garhsalboni, P.S-Ihargram, District-Paschim
Midnapore (W.B.)**

(Reference: EC – No.-1276/EN/T-II-I/044/2014 on 27/05/2015)

SL. No.	CONDITIONS	COMMENTS
C. SPECIFIC CONDITIONS		
xviii.	The gaseous emissions from various process 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.	Being Compiled With We are regularly monitoring the stack emission for VRM Mill, packing section, raw materials section etc. by WBPCB authorized laboratory in time to time. • Latest Stack emission analysis reports are attached as Annexure No. — I. • Also as per new regulation of CPCB we are having 24x7 online monitoring facilities and it is continuously being transferred to CPCB server and can be easily accessible.
xix.	Cement grinding shall be carried out in closed cement mill. Provision of dust extraction and pollution control systems along with minimum stack height of 35m from G.L. should be made for control of emission. Highly efficient Cyclone separators, Pulse Jet Bag Filters & ID Fan should be provided for Raw Material Handling Section, Ball Mill, Silo, Packing Section. Stack emissions shall be monitored at regular intervals and records maintained. The stack emission should not exceed 50 mg/Nm ³ .	Agreed
xx.	Regular monitoring of the ambient air quality shall be carried out in and around the plant and records shall be maintained. All care to be taken to maintain the	As this project is an expansion project at existing plant premises.



	ambient air quality standards as per GSR 826 (E) dated 16.11.2009. 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, SO2 and NOx are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to the SEIAA and the SPCB once in six months.	Ambient Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB authorized laboratories for our existing 1x 600 TPD Ball Mill. • AAQM reports are attached for your ready reference as Annexure No.-III.
xxi.	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.	Agreed
xxii.	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.	Agreed
xxiii.	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 areas shall be collected in bag filters and recycled back to the process. Water sprinkling arrangement shall be made in the raw material stock yards and other high dust potential areas.	Fugitive Air Quality Monitoring (AAQM) is being done on regular basis by WBPCB authorized laboratories. • Fugitive reports are attached for your ready reference as Annexure No.-II.
xxiv.	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.	We have already obtained Ground water withdrawal permission from State Water Investigation Department (SWID); copy is attached for your ready reference as Annexure No. - IV.
xxv.	Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process. All the treated wastewater should be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.	Being Complied With We are having dry grinding process. Our plant has been designed as 'Zero' discharged concept and it will ensured by top management on regular basis
xxvi.	Clinker manufacturing / heating is not permitted under this environmental clearance. Clinker and fly ash shall be stored in the closed silos and gypsum in covered shed.	Agreed
xxvii.	All the bag filter dust, raw meal 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	Agreed



		the proper housekeeping practice.
xxxiii	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 per the Factories Act.	Agreed Will Be Complied with
xxxiv	Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.	Agreed <ul style="list-style-type: none"> We have installed adequate numbers, fire fighting equipments to prevent of any types of fire hazards. Rashmi Group have own Fire Fighting car for those purpose.
xxxv	All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) guidelines for Cement Plants shall be followed and complied.	Agreed
xxxvi	The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.	Agreed
xxxvii	The Corporate Social Responsibility Plan with specific financial commitment should be implemented for the proposed project. At least 5% of the project cost should be utilised for Corporate Social Responsibility programmes. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply and health care etc.	Rs 2.25 crores has been earmarked for CSR towards 5% of the Enterprise Social Commitment on Public hearing issues and activity wise details prepared for the initial 5 years in the board areas of infrastructure, skill development, health, education & social issues. The detail CSR action Plan is already being submitted
D. GENERAL CONDITIONS.		
xiv.	The environmental clearance accorded shall be valid for a period of 5 years for the proposed project.	Noted
xv.	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 project proponent from the competent authorities.	Agreed In order to comply with this point we have obtained N.O.C. from WBPCB for installation of 1x 600 TPD Ball Mill & 1x 2000 TPD VRM. Also consent to operate for 1 x 2000 TPD VRM has been obtained vides CFO No-CO74200; dated 27.12.2016. (Copy is enclosed as Annexure -VI)
xvi.	The project proponent shall comply with all the	Agreed

	environmental protection measures and safeguards recommended in the EIA/EMP. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply, sanitation program for local school and health care etc.	
xvii.	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 entity.	Noted
xviii.	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.	Noted
xix.	The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will 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.	Noted Adequate fund provision (Rs 2.25 Crores capital cost & Rs 0.25 Crores Annual cost) is already being earmarked for environmental protection measures and will not be diverted to other purpose. The detail about the Environmental cost already submitted.
xx.	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.	Agreed
xxi.	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 proponents 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 all the documents should also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal.	Being Compiled. This report is being submitted as compliance to this point.
xxii.	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	Noted



	environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.	
xxiii.	The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West 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://enviswb.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.	RCL has already published EC in various newspapers. The detail of few of them are- The same is already been informed to your good office.
xxiv.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. The criteria pollutant levels namely; PM ₁₀ , PM _{2.5} , SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Agreed
xxv.	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.	Will be Compifed With.
xxvi.	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 Wastes (Management, Handling and Tran boundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification) 2006 and their amendments.	Noted





WEST BENGAL POLLUTION CONTROL BOARD
HALDIA REGIONAL LABORATORY

Block 5, 40 flats complex, Priyambada Housing Estate, P.O.-Khanjanchak,
Durgachak, Haldia, Dist-Midnapore (E), Pin-721 602. Phone: (03224)- 276847

Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry	M/s Rashmi Cement Limited (Unit-2) Cement Division		
2. Address	Vill- Boria, P.O- Garsaboni, Paschim Medinipur, Pin-721507		
3. Category & Type	Red/ Cement Mfg. Unit		
4. Sampling Date	21/03/2017		
5. Duration of Sampling	28 min.		
6. Name of Laboratory	M/s. Indicative Consultant India		
7. Height of Stack from ground (m)	40.0		
8. Cross section of Stack at sampling point(m ²)	0.5029		
9. Stack connected to	Ball Mill No. 4		
10. Emission due to(Furnace/Boiler)	Process Activity		
11. Average operational hours of boiler/ furnace (per month)	720 hrs/month		
12. APC System(if any)	Bag Filter		
13. Working load of source (MT/hr)	15 Ton/hr		
14. Fuel used	Coal		
15. Rated Fuel consumption (Kg or l/hr)	-		
16. Working Fuel consumption (Kg or l/hr)	-		
17. Nature of Furnace/Boiler	-		
18. Flue gas Temp. (°C)	48.0		
19. Flue gas velocity	8.76 m/sec.	20. Volume of Flue gas drawn in lit (m ³)	1.036
21. Corrected flue gas volume(Nm ³)	0.9949	22. Percentage CO ₂	<0.2%
23. To be compensated at (% if required)	-		
24. Initial wt of thimble (gm)	1.5100	25. Final wt of thimble (gm)	1.5254
26. Wt. of PM (mg)	15.4	27. Particulate matter (mg Nm ⁻³)	15.48
28. Barometric Pressure: Head	757 mm of Hg	29. Diameter of the nozzle	9.525 mm
30. Others:-		31. Thimble No.	GF-156
32. Sampled by:	Sri S. Banar, FF, H.R.O.		

Junior Scientist

Subhajit Ghosh 29/03/17
Scientist & In-Charge

Copy to: 1. Chief Engineer, O & E, WBPCB.
2. Sr. Environmental Engineer, Camac Street, WBPCB.
3. Environmental Engineer, H.R.O., WBPCB (two copies)

SCIENTIST & IN-CHARGE
Haldia Regional Laboratory
W.B. Pollution Control Board
Dept. of Environment, Govt. of W.B.





WEST BENGAL POLLUTION CONTROL BOARD
HALDIA REGIONAL LABORATORY

Block 5, 40 flats complex, Priyambada Housing Estate, P.O.-Kharjanchak,
Durgachak, Haldia, Dist-Midnapore (E), Pin-721 602. Phone: (03224)- 276847

Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

1. Name of Industry		M/s Rashmi Cement Limited (Unit-2) Cement Division	
2. Address		Vill- Barn, P.O - Gursalboni, Paschim Medinipur, Pin-721507	
3. Category & Type		Rod. Cement Mfg. Unit	
4. Sampling Date		21/03/2017	
5. Duration of Sampling		30 min.	
6. Name of Laboratory		M/s. Indicative Consultant India	
7. Height of Stack from ground (m)		45.0	
8. Cross section of Stack at sampling point(m ²)		0.3320	
9. Stack connected to		Ball Mill No. 4 (Close Circuit)	
10. Emission due to (Furnace /Boiler)		Process Activity	
11. Average operational hours of boiler/ furnace (per month)		720 hrs./month	
12. APC System (if any)		Bag Filter	
13. Working load of source (MT/hr)		15 Ton/hr	
14. Fuel used		-	
15. Rate of Fuel consumption (Kg or L/hr)		-	
16. Working fuel consumption (Kg or L/hr)		-	
17. Nature of Furnace /Boiler		-	
18. Flue gas temp. (°C)		42.0	
19. Flue gas velocity	7.82 m/sec.	20. Volume of Flue gas drawn in lit (m ³)	1.02
21. Corrected flue gas volume(Nm ³)	0.9763	22. Percentage CO ₂	<0.3%
23. To be compensated at (% if required)		-	
24. Initial wt of thimble (gm)	1.4996	25. Final wt of thimble (gm)	1.5139
26. Wt. of PM (mg)	14.9	27. Particulate matter (mg Nm ⁻³)	15.26
28. Barometric Pressure Head	757 mm of Hg.	29. Diameter of the nozzle	9.525 mm
30. Others:-		31. Thimble No.	GF-157
32. Sampled by:		Sri S. Baner, EE, H.R.O.	

James Sciarra

Subhajit Ghoshroy 29/04/17
Scientist & In-Charge

SCIENTIST & IN-CHARGE

Haldia Regional Laboratory

W.B. Pollution Control Board

State of Environment, Unit, W.B.

- Copy to:
1. Chief Engineer, O & E, WBPCB.
 2. Sr. Environmental Engineer, Camac Street, WBPCB.
 3. Environmental Engineer, H.R.O., WBPCB (two copies)





WEST BENGAL POLLUTION CONTROL BOARD
HALDIA REGIONAL LABORATORY

Block 5, 40 flats complex, Priyambada Housing Estate, P.O.-Khanjanchak,
Durgachak, Haldia, Dist-Midnapore (E), Pin-721 602. Phone: (03224)- 276847

Analysis Report of Gaseous Emission

Analysis Done at Haldia Regional Laboratory :

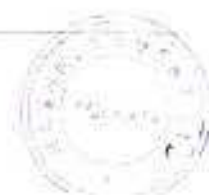
1. Name of Industry		M/s Rashmi Cement Limited (Unit-2) Cement Division	
2. Address		Vill- Baria, P.O.- Chinsiboni, Paschim Medinipur, Pin-721507	
3. Category & Type		Red Cement Affy. Unit	
4. Sampling Date		21/03/2017	
5. Duration of Sampling		34 min.	
6. Name of Laboratory		M/s. Indicative Consultant India	
7. Height of Stack from ground (m)		48.0	
8. Cross section of Stack at sampling point (m ²)		0.5677	
9. Stack connected to		Packing Plant	
10. Emission due to (Furnace /Boiler)		Process Activity	
11. Average operational hours of boiler/furnace (per month)		720 hrs./month	
12. APC System (if any)		Bag Filter	
13. Working load of source (MT/hr)		15 Ton/hr	
14. Fuel used		-	
15. Rated Fuel consumption (Kg or l/hr)		-	
16. Working Fuel consumption (Kg or l/hr)		-	
17. Nature of Furnace /Boiler		-	
18. Flue gas Temp. (°C)		35.0	
19. Flue gas velocity	6.78 m/sec.	20. Volume of Flue gas drawn in lit (m ³)	7.02
21. Corrected flue gas volume (Nm ³)	0.9763	22. Percentage CO ₂	<0.2%
23. To be compensated or (% if required)		-	
24. Initial wt of tumbler (gm)	1.3979	25. Final wt of tumbler (gm)	1.6318
26. Wt. of PM (mg)	33.9	27. Particulate matter (mg/Nm ³)	34.72
28. Barometric Pressure Head	757 mm of Hg.	29. Diameter of the nozzle	9.525 mm
30. Others:-		31. Tumbler No.	GF-169
32. Sampled by:		Sri S. Baner, EE, H.R.O.	

Junior Scientist

Sudhjit Ghosh 23/03/17
Scientist & In-Charge

Copy to: 1. Chief Engineer, O & E, WBPCB.
2. Sr. Environmental Engineer, Cinnac Street, WBPCB.
3. Environmental Engineer, H.R.O., WBPCB (For all purposes of Environment, Govt. of WB)

SCIENTIST & IN-CHARGE
Haldia Regional Laboratory
W.B. Pollution Control Board



FUGITIVE AIR ANALYSIS REPORT

1.	Name of the Industry	:	Rashmi Cement Ltd. (Cement Division)
2.	Address	:	Jitusole, P.S. - Jhargram, P.O. - Garsalboni, Paschim Midnapore, Pin - 721507
3.	Date of sampling	:	14.03.2017
4.	Report No.	:	313/EC/M/TR(A)/IV/16-17
5.	Analysis completed on	:	18.03.2017
6.	Reporting Date	:	21.03.2017
7.	Particular of the plant	:	Cement plant

A] GENERAL INFORMATION

1.	Location of Sampling	:	Raw Material Handling Plant
2.	Duration of Sampling	:	08 hrs. (09:30 a.m. - 05:30 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	:	32.0
2.	Average Relative Humidity (%)	:	76.2
3.	Barometric Pressure (mm of Hg)	:	757.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of SPM ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 4) & ASTM D 4096	391.76

Date : 21.03.2017

Authorised Signatory :



 Dr. Ajoy Paul
 (Scientist)


FUGITIVE AIR ANALYSIS REPORT

1.	Name of the Industry	:	Rashmi Cement Ltd. (Cement Division)
2.	Address	:	Jitusole, P.S. - Jhargram, P.O. - Garsalboni, Paschim Midnapore, Pin - 721507
3.	Date of sampling	:	14.03.2017
4.	Report No.	:	313/EC/M/TR(A)/V/16-17
5.	Analysis completed on	:	18.03.2017
6.	Reporting Date	:	21.03.2017
7.	Particular of the plant	:	Cement plant

A] GENERAL INFORMATION

1.	Location of Sampling	:	Packing Section
2.	Duration of Sampling	:	08 hrs. (10:10 a.m. - 06:10 p.m.)

B] METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	:	32.0
2.	Average Relative Humidity (%)	:	76.2
3.	Barometric Pressure (mm of Hg)	:	757.0
4.	Smell or Odour	:	No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of SPM ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 4) & ASTM D 4096	: 426.14

Date : 21.03.2017

Authorised Signatory :



Dr. Ajoy Paul
(Scientist)



AMBIENT AIR ANALYSIS REPORT

1. Name of the Industry	: Rashmi Cement Ltd. (Cement Division)
2. Address	: Jitusole, P.S. - Jhargram, P.O. - Garsalboni, Paschim Midnapore, Pin - 721507
3. Date of sampling	: 14.03.2017 - 15.03.2017
4. Report No.	: 313/EC/M/TR(A)/I/16-17
5. Analysis completed on	: 18.03.2017
6. Reporting Date	: 21.03.2017
7. Particular of the plant	: Cement plant

A) GENERAL INFORMATION

1. Location of Sampling	: Near Plant Main Gate
2. Duration of Sampling	: 24 hrs. (09:30 a.m. - 09:30 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature ($^{\circ}\text{C}$)	: 31.2
2. Average Relative Humidity (%)	: 76.0
3. Barometric Pressure (mm of Hg)	: 757.0
4. Smell or Odour	: No Remarkable Smell
5. Weather Condition	: Clear sky

C) RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of $\text{PM}_{2.5}$ ($\mu\text{g}/\text{m}^3$)	USEPA 1997a, 40 CFR Part 50, Appendix L	: 48.7
2.	Concentration of PM_{10} ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 23)	: 86.25
3.	Concentration of SO_2 ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 2) & ASTM D 2914	: 5.34
4.	Concentration of NO_x ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 6) & ASTM D 1607	: 25.03
5.	Concentration of CO (mg/m^3)	IS 5182 (Part 10) & ASTM D 3162	: 0.35
6.	Concentration of Pb ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 22) & ASTM D 4185	: <0.01
7.	Benzo (a) Pyrene (BaP) (ng/m^3)	IS 5182 (Part 12) 2004 & ASTM D 6209	: <0.36
8.	Benzene (C_6H_6) ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 11) 2006 & ASTM D 5466	: <0.74
9.	Ozone (O_3) ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part-IX)	: <10.0
10.	Ammonia (NH_3) (mg/m^3)	NIOSH Manual of Analytical Method, 4 th Edition 1994, Method 6015	: <0.15
11.	Nickel (Ni) (ng/m^3)	IS 5182 (Part-22) 2004 & ASTM D 4185	: <0.02
12.	Arsenic (As) (ng/m^3)	IS 5182 (Part 22) 2004 & ASTM D 4185	: <0.01

Date : 21.03.2017

Authorised Signatory :



 Dr. Ajoy Paul
 (Scientist)


AMBIENT AIR ANALYSIS REPORT

1. Name of the Industry	: Rashmi Cement Ltd. (Cement Division)
2. Address	: Jitusole, P.S. - Jhargram, P.O. - Garsalboni, Paschim Midnapore, Pin - 721507
3. Date of sampling	: 14.03.2017 - 15.03.2017
4. Report No.	: 313/EC/M/TR(A)/II/16-17
5. Analysis completed on	: 18.03.2017
6. Reporting Date	: 21.03.2017
7. Particular of the plant	: Cement Plant

A) GENERAL INFORMATION

1. Location of Sampling	: Raw Material Yard
2. Duration of Sampling	: 24 hrs. (10:00 a.m. - 10:00 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature ($^{\circ}\text{C}$)	: 31.2
2. Average Relative Humidity (%)	: 76.0
3. Barometric Pressure (mm of Hg)	: 757.0
4. Smell or Odour	: No Remarkable Smell
5. Weather Condition	: Clear sky

C) RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of $\text{PM}_{2.5}$ ($\mu\text{g}/\text{m}^3$)	USEPA 1997a, 40 CFR Part 50, Appendix L	: 51.35
2.	Concentration of PM_{10} ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 23)	: 87.10
3.	Concentration of SO_2 ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 2) & ASTM D 2914	: 6.03
4.	Concentration of NO_x ($\mu\text{g}/\text{m}^3$)	IS 5182 (Part 6) & ASTM D 1607	: 26.89

Date : 21.03.2017

Authorised Signatory :



Dr. Ajoy Paul
 (Scientist)



AMBIENT AIR ANALYSIS REPORT

1. Name of the Industry	:	Rashmi Cement Ltd. (Cement Division)
2. Address	:	Jitusole, P.S. - Jhargram, P.O. - Garsalboni, Paschim Midnapore, Pin - 721507
3. Date of sampling	:	14.03.2017 - 15.03.2017
4. Report No.	:	313/EC/M/TR(A)/III/16-17
5. Analysis completed on	:	18.03.2017
6. Reporting Date	:	21.03.2017
7. Particular of the plant	:	Cement Plant

A) GENERAL INFORMATION

1. Location of Sampling	:	Boria - Village
2. Duration of Sampling	:	24 hrs. (10:30 a.m. - 10:30 a.m.)

B) METEOROLOGICAL INFORMATION

1. Average Temperature (°C)	:	31.2
2. Average Relative Humidity (%)	:	76.0
3. Barometric Pressure (mm of Hg)	:	757.0
4. Smell or Odour	:	No Remarkable Smell
5. Weather Condition	:	Clear sky

C) RESULTS

SL. NO.	PARAMETERS	METHOD NO.	RESULTS
1.	Concentration of PM _{2.5} (µg/m ³)	USEPA 1997a, 40 CFR Part 50, Appendix I	48.17
2.	Concentration of PM ₁₀ (µg/m ³)	IS 5182 (Part 23)	76.27
3.	Concentration of SO ₂ (µg/m ³)	IS 5182 (Part 2) & ASTM D 2914	5.10
4.	Concentration of NO _x (µg/m ³)	IS 5182 (Part 6) & ASTM D 1607	23.02

Date : 21.03.2017

Authorised Signatory :



Dr. Ajoy Paul
(Scientist)



FORM 4

(See Rules 9(3) and 10(1))

EMBLEM OR HOLOGRAM OF THE CONCERNED AUTHORITY
PERMIT FOR SINKING OF NEW WELL.

[Rules 7(2)(b) / 7(4)(b) / 7(5)(a) of the West Bengal Ground Water Resources
(Management, Control and Regulation) Act 2005.]

PERMIT NO. 0141733100287000007TSE



007361

- 301 Name of the applicant (User)
- 302 Son/Daughter of
- 303 Address of the applicant
- 304 Category of farmer (Please tick) in case of irrigation well
- 305 Serial No. of application Form and date of submission
- 306 Specimen signature of the user
- 307 Particulars

Sub-Director, Rashmi Council Ltd

Raghunathpur, Thargam

Small Farmer/Marginal Farmer/Other

GP/B 0146 Sl. No-009 dt. 15.01.2012

For, Rashmi Council Ltd

Auth. [Signature]

- 308 District
- 309 Block, Mouza, P.L. No., Plot No.
- 310 Municipality/Corporation
- 311 Ward No/Honogh No., Holding No.

West Bengal
Paschim Medinipur
Thargam, Janglekhus, 731 297
NA

- 312 Particulars of the proposed well and pumping device
- 313 Type of the well
- 314 Maximum depth of the well and purpose of the well
- 315 Assembly size (for tube well)
- 316 Approx. strainer length (for tube well)
- 317 Diameter (for dug well)
- 318 Type of pump to be used
- 319 H.P. of the pump
- 320 Type of electrical device
- 321 Capacity of withdrawal (liters/hr)
- 322 Maximum allowable running hours per day

T.W.
137 mt
Industrial
200 mm X 150 mm
30-49 m
NA m
Submersible
3 HP
Electric Motor
20 m³/hr
8 hrs

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

Office of the Geologist
Midnapore, D.L.A.
Paschim Medinipur



Sailabhishek
Signature of the Geologist

Midnapore
15-3-14

1. This permit is valid only for the proposed well. Fresh registration has to be obtained for any other well.
2. This permit is valid only for the proposed well and pumping device in respect of the purpose of well as indicated at Sl. (2) and (3)(b) of the permit.
3. The user shall not exceed the maximum depth of the well and the maximum capacity of the well as indicated in the permit.
4. The user shall not exceed the maximum capacity of the well as indicated in the permit.
5. The user shall not exceed the maximum capacity of the well as indicated in the permit.
6. The user shall not exceed the maximum capacity of the well as indicated in the permit.

Office of the Geologist
Midnapore, D.L.A.
Paschim Medinipur



S. N. T. D.
Midnapore

See overleaf



FORM 4

[See Rules 9(3) and 10(1)]

009570

PERMIT FOR SINKING OF NEW WELL

(As per Section 17-A and 17-B of the West Bengal Ground Water Resources Management, Control and Regulation Act 2000.)

Application No. P.14(7.73) 02287 022870 3 TLE

- (a) Name of the applicant (user)
- (b) Son / Daughter of
- (c) Address of the applicant
- (d) Category of farmer (Please tick) (in case of irrigation well)
- (e) Serial No. of application Form and date of submission
- (f) Signature of the user
- (g) Location particulars:
 - (i) District
 - (ii) Block, Mouza, J. L. No., Plot No.
 - (iii) Municipality / Corporation Ward No. / Borough No., Holding No.
- (h) Particulars of the proposed well and existing device:
 - (i) Type of the well
 - (ii) Approx. depth of the well (m)
 - (iii) Purpose of the well
 - (iv) Assembly size (for tube well)
 - (v) Approx. suction length (for tube well)
 - (vi) Diameter (for dug well)
 - (vii) Type of pump to be used
 - (viii) H.P. of the pump
 - (ix) Operational device
 - (x) Rate of withdrawal (m³/hr)
 - (xi) Maximum allowable running hours per day

Shri Sri. Debarati Regional Council Sec.
 Late - Kamalakar Patra
 Bahadurpatti, Jhargham
 Small Farmer / Marginal Farmer / Other

APM-201 31-04 2010-11-10
 For signature of applicant
 Signature of the applicant
 Jhargham, Bahadurpatti, P.O. 751 010

AP-4

Tube Well
 32 m
 Industrial
 152 mm x 152 mm
 5 m
 4.5 m
 Submersible
 5HP
 Starter
 2000 ltr
 6 hours

This permit authorizes the owner/applicant (user) to sink a well in the location specified at S1 (2) for extraction of ground water at a rate not exceeding that as shown at S1 (3)(a) and for running hours/day as shown at S1 (3)(b), and is valid subject to the observance of the conditions stated overleaf.

Date: Maldahore
 No: 12/02/10

OFFICE OF THE
 MEMBER SECRETARY, D.L.A.
 Paschim Medinipur

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

- Conditions:**
- (1) In case of any change of ownership of the proposed well, the application has to be renewed.
 - (2) No change of location, design, size of the well and operating device in respect of the proposed well is allowed at S1 (2) and (3) of this permit without the prior written permission of the Competent Authority. Any alteration in this regard shall be to the detriment of the permit.
 - (3) In case of any of the particulars / information furnished by the applicant in his application for issuance of this permit is found to be incorrect, verification may take place at any stage. The permit is liable for cancellation.
 - (4) The permit is valid for one year.

OFFICE OF THE
 MEMBER SECRETARY, D.L.A.
 Paschim Medinipur

K.A. Banerjee
 12/02/10





ENVIROCHECK

House of Environmental Pollution Monitoring and Analysis

WBPCB & CGPCB Recognized, ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Laboratory



Annexure-V

NOISE LEVEL SYUDY (AMBIENT)

1. Name of Industry : Rashmi Cement Limited (Cement Division)
2. Address : Vill.- Boria, Jhargram, Paschim Mednipur
3. Date of Study : 14/03/17
4. Height from Ground Level : 4 ft
5. Location : Near Plant Main Gate

Time	Value db (A)		
	Max	Min	Leq
10.30AM - 10.50AM	62.5	59.5	61.10




Authorized Signatory & Stamp

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 Phone No. 033-2579 2891, 2549 7490, Fax No. 033-2529 9141
Laboratory : 189 & 190, Rastraguru Avenue, Kolkata - 700028 Phone No. - 033-2579 2889
E-mail : envcheck@cal2.vsnl.net.in / Website - www.envirocheck.org
Branch Office : Durgapur (+91 9674155172), Siliguri (+91 9830067046), Haldia (+91 9830067045), Dhanbad (+91 9830067045)





ENVIROCHECK

House of Environmental Pollution Monitoring and Analysis

WBPCB & DSPCB Recognized, ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Laboratory



NOISE LEVEL SYUDY (AMBIENT)

1. Name of Industry : Rashmi Cement Limited (Cement Division)
2. Address : Vill.- Boria, Jhargram, Paschim Mednipur
3. Date of Study : 14/03/17
4. Height from Ground Level : 4 ft
5. Location : Village - Boria

Time	Value db (A)		
	Max	Min	Leq
11.00AM - 11.20AM	60.8	57.3	58.12




Authorized Signatory & Stamp

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 Phone No. 033-2579 2891, 2549 7490, Fax No. 033-2529 9141

Laboratory : 189 & 190, Rastraguru Avenue, Kolkata - 700028 Phone No. - 033-2579 2889

E-mail : envcheck@cal2.vsnl.net.in / Website - www.envirocheck.org

Branch Office : Durgapur (+91 9674155172), Siliguri (+91 9830067046), Haldia (+91 9830067045), Dhanbad (+91 9830067045)





ENVIROCHECK

House of Environmental Pollution Monitoring and Analysis

WBPCB & OSPCB Recognized, ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Laboratory



NOISE LEVEL SYUDY (SOURCE)

1. Name of Industry : Rashmi Cement Limited (Cement Division)
2. Address : Vill.- Boria, Jhargram, Paschim Mednipur
3. Date of Study : 14/03/17 - 15/03/17 (24hrs)
4. Height from Ground Level : 4 ft
5. Location : 1 x 2000 TPD VRM

Time	Value db (A)		
	Max	Min	Leq
06.00AM - 07.00AM	63.2	68.5	78.16
07.00AM - 08.00AM	65.2	71.5	67.26
08.00AM - 09.00AM	67.2	69.3	68.20
09.00AM - 10.00AM	68.5	72.6	70.10
10.00AM - 11.00AM	68.7	72.3	71.20
11.00AM - 12.00PM	65.2	69.2	68.12
12.00PM - 01.00PM	64.5	68.5	67.23
01.00PM - 02.00PM	68.2	72.6	70.23
02.00PM - 03.00PM	67.5	72.6	70.38
03.00PM - 04.00PM	65.2	69.2	67.23
04.00PM - 05.00PM	66.4	68.5	67.12
05.00PM - 06.00PM	65.1	69.1	68.23
06.00PM - 07.00PM	63.2	68.5	67.20
07.00PM - 08.00PM	62.5	69.2	68.18
08.00PM - 09.00PM	63.5	70.1	68.26
09.00PM - 10.00PM	65.8	69.0	68.74
10.00PM - 11.00PM	63.2	67.5	66.12
11.00PM - 12.00AM	61.6	65.2	63.12
12.00AM - 01.00AM	62.5	67.2	66.23
01.00AM - 02.00AM	61.2	67.5	66.18
02.00AM - 03.00AM	58.6	63.5	62.10
03.00AM - 04.00AM	60.1	67.2	65.23
04.00AM - 05.00AM	58.2	63.5	61.28
05.00AM - 06.00AM	60.1	68.5	67.10
Average Leq :			67.61



Authorized Signatory & Stamp

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 Phone No. 033-2579 2891, 2549 7490, Fax No. 033-2529 9141

Laboratory : 189 & 190, Rastraguru Avenue, Kolkata - 700028 Phone No. - 033-2579 2889

E-mail : envirocheck@vsnl.com / Website - www.envirocheck.org

Branch Office : Durgapur (+91 9674155172), Siliguri (+91 9830067046), Haldia (+91 9830067045), Dhanbad (+91 9830067045)





ENVIROCHECK

House of Environmental Pollution Monitoring and Analysis

WBPCB & OSPCB Recognized, ISO 9001:2008, ISO 14001:2004 & OHSAS 18001:2007 Certified Laboratory



NOISE LEVEL SYUDY (SOURCE)

1. Name of Industry : Rashmi Cement Limited (Cement Division)
2. Address : Vill.- Boria, Jhargram, Paschim Mednipur
3. Date of Study : 14/03/17 - 15/03/17 (24hrs)
4. Height from Ground Level : 4 ft
5. Location : 1 x 600 TPD Ball Mill

Time	Value db (A)		
	Max	Min	Leq
06.00AM - 07.00AM	63.2	72.5	71.38
07.00AM - 08.00AM	62.8	73.2	72.68
08.00AM - 09.00AM	68.5	70.1	69.23
09.00AM - 10.00AM	69.2	73.5	70.23
10.00AM - 11.00AM	67.5	74.2	73.10
11.00AM - 12.00PM	68.2	75.1	72.60
12.00PM - 01.00PM	69.2	73.2	72.50
01.00PM - 02.00PM	69.2	73.6	72.68
02.00PM - 03.00PM	67.2	71.8	69.26
03.00PM - 04.00PM	68.2	73.6	72.10
04.00PM - 05.00PM	69.2	73.8	72.18
05.00PM - 06.00PM	68.5	73.1	70.38
06.00PM - 07.00PM	69.5	74.1	73.68
07.00PM - 08.00PM	70.2	73.5	71.38
08.00PM - 09.00PM	71.6	74.1	73.12
09.00PM - 10.00PM	69.2	73.5	72.68
10.00PM - 11.00PM	68.2	72.5	70.12
11.00PM - 12.00AM	67.2	71.5	69.23
12.00AM - 01.00AM	68.5	72.8	69.26
01.00AM - 02.00AM	67.2	73.5	71.28
02.00AM - 03.00AM	67.2	72.5	69.26
03.00AM - 04.00AM	68.5	72.6	71.26
04.00AM - 05.00AM	63.5	68.2	67.10
05.00AM - 06.00AM	64.5	68.2	65.18
Average Leq :			70.91



Authorized Signatory & Stamp

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 Phone No. 033-2579 2891, 2549 7490, Fax No. 033-2529 9141
 Laboratory : 189 & 190, Rastraguru Avenue, Kolkata - 700028 Phone No. - 033-2579 2889
 E-mail : envcheck@cal2.vsnl.net.in / Website - www.envirocheck.org
 Branch Office : Durgapur (+91 9674155172), Siliguri (+91 9830067046), Haldia (+91 9830067045), Dhanbad (+91 9830067045)



WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan',
Bldg. No. - 10A, Block - LA, Sector-III,
Salt Lake City, Kolkata - 700 098

Consent Letter Number : 074200

Memo Number : 132-362/WPB(HRO)-K/2001

Date : 27/12/2016

Consent to Operate

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended, and Rules and Orders made thereunder, hereby grants its consent to :

M/S. RASHMI CEMENT LTD (CEMENT DIVISION)

(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at existing premises at Vill Burin,
P.O. Garhsalbani, P.S. Jhargram, Dist-Mediniপুর (w), Pin- 721507

(Detailed address of the manufacturing unit)

for a period from date of issue to 31.08.2021

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.



For and on behalf of the State Board

[Signature] 27.12.2016

(Member Secretary/Chief Engr./Sr. Env. Engr./Env. Engr./Asst. Env. Engr.)

Senior Environmental Engineer
W.B. Pollution Control Board



ANNEXURE

Consent to: H/S, RASHMI CEMENT LTD (CEMENT DIVISION)For its unit at: existing Premises at Vill-Buxin, P.O.-Garchaulbani, F.S.-Jhargram
Dist-Nudinipore (W), Pin-721507

Conditions:

1. This Consent is valid for the manufacture of:—

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	Cement (OPC/PSC/PPC)	50,000 TPH
02		
03		
04		
05		
06		
07		
08		
09		
10		
11		
12		

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. Daily discharge of industrial liquid effluent shall not exceed KL.
04. Daily discharge of domestic liquid effluent shall not exceed 2.0 KL.
05. Daily discharge of mixed (industrial & domestic) liquid effluent shall not exceed KL.
06. The Applicant shall discharge liquid effluent to Septic tank & Suck pit (place of discharge) through 01 nos. outlets/outfalls.
07. To being into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the Standard as given in Table-1 in page 03.

(Signature) 27/12/2017
 (Member-Secretary/Chief Engr./Sr. Env. Engr./Sew. Engr./Asst. Env. Engr.)
 Senior Environmental Engineer
 W.B. Pollution Control Board

Continued....

Page 04 of 06

Consent to M/S. RASHMI CEMENT LTD (CEMENT DIVISION)for its unit at existing Premises at Will-Peria, P.O.-Garnabari, P.S.-BargranDist. Medinipur (W), Pin-721507

11. The Applicant shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the State Board.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The Applicant shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the Standard as given in Table-II below.

Table-II

Stack No	Stack height from G.L. (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm ³ /hr	Velocity of gas emission m/sec	Concentrations of parameters not to exceed				Frequency of emission sampling
					SPM (mg/Nm ³)	CO (% v/v)			
S-1	35.0	WH & Slag dryer			50.0	1%	-	-	Half yearly
S-2	35.0	Packing section			50.0				Qu
S-3									
S-4									
S-5									
S-6									
S-7									
S-8									
S-9									
S-10									

(Signature) 07.12.2016
 (Member Secretary/Chief Engr./Sr. Env. Engr./Jr. Engr./Asst. Env. Engr.)

Senior Environmental Eng.
 W.B. Pollution Control Board

Continued.....

Consent to M/S. RASHMI CEMENT LTD (CEMENT DIVISION)

for its unit at Existing Premises at Vill-Boria, P.O.-Gochsalbani, P.S.-Jhargram
Dist-Mediniपुर (W), Pin-721507

14. The Applicant shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the State Board's staff as well as State Board's authorised agencies.

15. The Applicant shall observe the following fuel consumption pattern :-

Sl. No.	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	Coal	17.5% TPH	Slag Dryer
02			
03			
04			
05			

16. The Applicant shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below:

Type of waste	Quantity	Treatment	Disposal
Waste from Process	192.0 TPH		Reused in Process
Waste from APC device	3850.0 TPH	-	-

17. The Applicant shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below:

Time	Limit in dB(A) L ₉₀
Day Time (06 a.m. to 09 p.m.)	75
Night Time (09 p.m. to 06 a.m.)	70

18. The Applicant shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.
19. The Applicant shall bring about at least 33% of the available open land under the green coverage / plantation.
20. The Applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the Applicant to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the Applicant shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.
21. The Applicant shall install a separate energy roster showing the consumption of energy for operation of pollution control devices.
22. The Applicant shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
23. The Applicant shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste.

(Signature) 27-12-2016
(Member-Secretary/Chief Engr./Sr. Engr./Emn Engr./Assn. Engr.)
Senior Pollution Control Engineer
W.B. Pollution Control Board



Page 06 of 06

Consent to M/S. RASHMI CEMENT LTD (CEMENT DIVISION)for its unit at existing Premises at Vill-Buria, P.O.-Gathalboni, P.S.-JhargramDist-MediniPore (W), Pin-721507

24. The Applicant shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The Applicant Shall get the samples of hazardous wastes/leachates analysed at least once in from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The Applicant shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the State Board's staff as well as State Board's authorised agencies.
27. The Applicant shall submit to the State Board by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form - V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] Rules, 1992.
28. The Applicant shall allow the Officers of the State Board to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The Applicant shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the State Board for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The Applicant shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The Applicant shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The Applicant shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The Applicant shall intimate to the State Board immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The Applicant Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment. (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous, noxious or pollutants to the environment.
34. The Applicant shall make an application to the State Board in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. The Applicant shall not make any alteration/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions

(01) The unit, ^{should} comply with the conditions as mentioned in NOC of WBPCS No-124920 dated- 07.07.2015

(Member Secretary/Chief Engr./Sr. Env. Engr./Asst. Engr./Asst. Env. Engr.)

(02) The unit should obtain Hazardous Waste Authorisation from WBPCS

Senior Environmental Engineer
W.B. Pollution Control Board

Consent to M/S. RASHMI CEMENT LTD (CEMENT DIVISION)
for its unit at existing premises at Vill-Boria, P.O.-Garhsalboni, P.S.-Jhargram
Dist-Medini pure (W), Pin-721507

24. The Applicant shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The Applicant Shall get the samples of hazardous wastes/leachates analysed at least once in _____ from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The Applicant shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the State Board's staff as well as State Board's authorised agencies.
27. The Applicant shall submit to the State Board by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form - V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] Rules, 1992.
28. The Applicant shall allow the Officers of the State Board to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The Applicant shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the State Board for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The Applicant shall furnish to the State Board all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The Applicant shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The Applicant shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The Applicant shall intimate to the State Board immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The Applicant Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous, noxious or pollutants to the environment.
34. The Applicant shall make an application to the State Board in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. The Applicant shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The Applicant shall comply with the conditions as laid down in the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions

- (01) The unit ^{should} comply with the conditions as mentioned in NOC of WPCB Nu-124920 dated- 07.07.2015
(Member-Secretary/Chief Engr./Sr. Inv. Engr./Bhv. Engr./Asst. Inv. Engr.)
- (02) The unit should obtain Hazardous Waste Authorisation from WPCB


Sd/- 
Regional Environmental Engineer
W.B. Pollution Control Board

Environmental Laboratory
 189 & 190, Rajnarayan Avenue, Kolkata-700 028
 Phone : 2579-2889/2891, 2549-7490
 Fax : 2329-9141
 E-mail : envcheck@cal2.vsnl.net.in

EFFLUENT WATER ANALYSIS REPORT

1.	Name of the Industry	: Rashmi Cement Ltd. (Cement Division)
2.	Address	: Jitusole, P.S. - Jhargram, P.O. - Garsalboni, Paschim Midnapore, Pin - 721507
3.	Report No.	: Env/649/W/M/16-17
4.	Date of sampling	: 14.03.2017
5.	Reporting date	: 21.03.2017
6.	Type of sample	: Industrial Effluent Water (grab)
7.	Collection & preservation of sample	: APHA 22 nd Edition, 1060
8.	Location of sample	: Near 1 x 2000 TPD VRM Plant Area
9.	Sample collected in presence of	: Company Representative

PARAMETERS	TEST METHODS	RESULTS
1. pH	APHA 22 nd Edition, 4500-H*B	: 7.10
2. Total Suspended Solids (mg/l)	APHA 22 nd Edition, 2540 D	: 35.0
3. Oil and Grease (mg/l)	APHA 22 nd Edition, 5520 B/D	: <1.0
4. COD (mg/l)	APHA 22 nd Edition, 5220 B/C/D	: 60.0
5. BOD [3 days, 27°C] (mg/l)	APHA 22 nd Edition, 5210-B	: 18.0

Authorised Signatory :



Dr. Ajoy Paul
 (Scientist)



DRINKING WATER ANALYSIS REPORT

- | | |
|-------------------------|--|
| 1. Name of the Industry | : Rashmi Cement Ltd. (Cement Division) |
| 2. Address | : Jitusole, P.S. - Jhargram, P.O. - Garsalboni,
Paschim Midnapore, Pin - 721507 |
| 3. Report No. | : Env/648/W/M/16-17 |
| 4. Sampling Date | : 14.03.2017 |
| 5. Reporting date | : 21.03.2017 |
| 6. Type of sample | : Drinking Water |
| 7. Sampling location | : New Administrative Building |

	PARAMETERS	RESULTS	LIMIT as per IS-10500, 2012	
			Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source
1.	Colour	: 1.0	5.0	15.0
2.	Odour	: Odourless	Agreeable	Agreeable
3.	Taste	: Acceptable	Agreeable	Agreeable
4.	pH	: 7.99	6.5-8.5	No Relaxation
5.	Total Hardness (as CaCO ₃) (mg./l)	: 20.0	200.0	600.0
6.	Calcium (as Ca) (mg./l)	: 4.01	75.0	200.0
7.	Magnesium (as Mg) (mg./l)	: 2.4	30.0	100.0
8.	Chloride (as Cl) (mg./l)	: 3.85	250.0	1000.0
9.	Iron (as Fe) (mg./l)	: 0.17	0.3	No Relaxation
10.	Total Arsenic (as As) (mg./l)	: <0.01	0.01	0.05
11.	Cadmium (as Cd) (mg./l)	: <0.01	0.003	No Relaxation
12.	Total Chromium (as Cr) (mg./l)	: <0.05	0.05	No Relaxation
13.	Copper (as Cu) (mg./l)	: <0.04	0.05	1.5
14.	Cyanide (as CN) (mg./l)	: <0.05	0.05	No Relaxation
15.	Lead (as Pb) (mg./l)	: <0.088	0.01	No Relaxation
16.	Mercury (as Hg) (mg./l)	: <0.001	0.001	No Relaxation
17.	Nitrate (as NO ₃) (mg./l)	: 0.63	45.0	No Relaxation
18.	Total Dissolved Solids (mg./l)	: 54.01	500.0	2000.0
19.	Phenolic Compounds (as C ₆ H ₅ OH) (mg./l)	: <0.1	0.001	0.002



20.	Zinc (as Zn) (mg./l)	:	0.08	5.0	15.0
21.	Sulphate (as SO ₄) (mg./l)	:	4.0	200.0	400.0
22.	Turbidity (NTU)	:	<1.0	1.0	5.0
23.	Fluoride (as F) (mg./l)	:	<0.1	0.2	1.0
24.	Residual Free Chlorine (mg./l)	:	<0.04	0.2	1.0
25.	Manganese (as Mn) (mg./l)	:	<0.1	0.1	0.3
26.	Total Alkalinity as calcium carbonate (mg./l)	:	20.0	200.0	600.0
27.	Aluminium (mg./l)	:	<0.2	0.03	0.2
28.	Boron (mg./l)	:	<0.1	0.5	1.0
29.	Total Coliform (CFU/100 ml.)	:	Absent	Shall not be detectable in any 100 ml. sample	--
30.	E. Coli (CFU/100 ml.)	:	Absent	Shall not be detectable in any 100 ml. sample	--
31.	Feecal Coliform (CFU/100 ml.)	:	Absent	Shall not be detectable in any 100 ml. sample	--

*CFU indicates Colony Forming Unit.

Authorised Signatory :



Dr. Ajoy Paul
 (Scientist)

