



Balmukund Cement &lt;balmukundcement@gmail.com&gt;

**EC Compliance for the period October'22 to March'23**

**Balmukund Cement** <balmukundcement@gmail.com>  
To: roez.bsr-mef@nic.in

Mon, May 29, 2023 at 6:47 PM

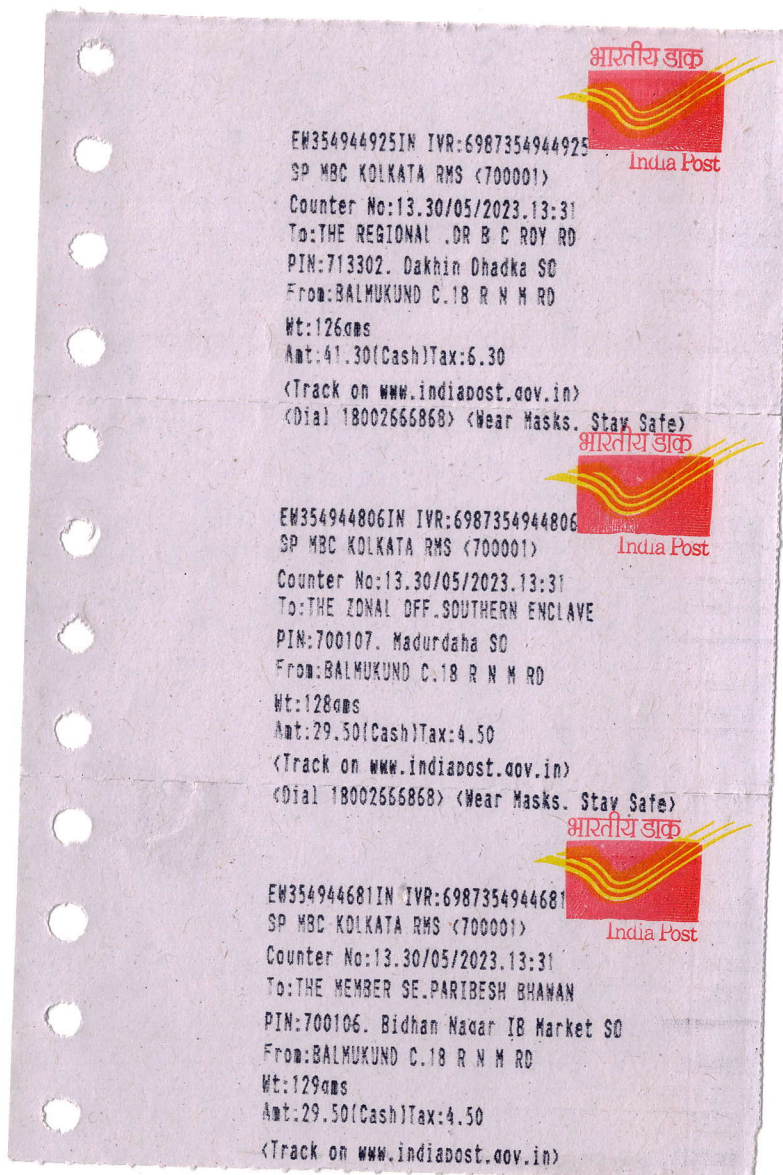
Dear Sir,

Please find EC Compliance for the period October'22 to March'23 attached herewith.

Thanks &amp; Regards

For Balmukund Cement &amp; Roofings Pvt. Ltd

 **BCRL EC Compl. March'23.PDF**  
9311K



**B A L M U K U N D****CEMENT & ROOFINGS PVT. LTD.**

18, R. N. Mukherjee Road, (1st Floor), Kolkata-700 001  
Ph.: 2248 6304/06, 4032 5000, Fax : 2213 7399  
E-mail : balmukundcement@gmail.com  
Website : www.bcrl.in  
CIN : U26900BR2004PTC025152  
GSTIN : 19AACCB9534B1ZT

27<sup>th</sup> May, 2023

Name of the Project : **Balmukund Cement & Roofings Pvt. Ltd.**  
Clearance Letter/s No. & Date : EC No. J-11011/496/2010-IA-II (I) dt.21.12.2011  
Period of Compliance : October, 2022 to March, 2023.

Sir,

We have been granted Environmental Clearance vide No.J-11011/496/2010-IA-II (I) dt.21<sup>st</sup> December, 2011 by the Ministry of Environment & Forests, I.A. Division, Govt. of India, New Delhi for Asbestos Fibre Cement Roofing Sheets plant of capacity 3,00,000 TPA. at Village-Muldi, Block - Raghunathpur II, District-Purulia (West Bengal) out of which, as explained in our earlier compliances, in 1<sup>st</sup> phase we have set up/installed only 1,50,000 TPA capacity plant. Also, we have no plan to enhance the said installed capacity any-more in future. This has also been informed that we could not manufacture even 50,000 TPA of Asbestos Fibre Cement Roofing Sheets since the year of commencement of production. We append below the production status for the period from October, 2022 to March, 2023:

Year	Qty in MT
2022-23 (From October, 2022 to March, 2023)	24433.600 MT

REGD. OFFICE : 702, LUV-KUSH TOWER, EXHIBITION ROAD, PATNA - 800 001, PH.: (0612) 2322388/488

WORKS :- VILLAGE : MULDI, P.O.: NANDUKA, P.S.: RAGHUNATHPUR, DIST.: PURULIA, W.B., PIN.: 723 145

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We inform you that our factory was not in operation during this six month for 64 days. We submit here-under our compliance report for operational period from 01.10.2022 to 31.03. 2023 :

Sl. No.	Conditions	Compliance
<b>A. SPECIFIC CONDITIONS :</b>		
i.	The project proponent shall adhere to the prescribed BIS standards and laws regarding use and handling of Asbestos, safety of employees etc. Raw materials like asbestos fibre shall be brought in pelletized form in impermeable bags and under compressed condition.	We adhere to the prescribed BIS standards and laws regarding use and handling of Asbestos, safety of employees. Asbestos fibre in pelletized form is always brought in impermeable bags under compressed condition.
ii.	Only Chrysotile white asbestos fibre shall be used. Blue asbestos shall not be utilized as raw material in the manufacturing process.	We use only Chrysotile white asbestos fibre as raw material. <b>Copy of one purchase bill as proof is enclosed.</b>
iii.	There shall be no manual handling/opening of asbestos fibre bags. The Company shall install fully automatic asbestos fibre debagging system before commissioning the unit.	We have installed fully automatic asbestos fibre debagging system since inception of the unit and using it for opening and handling of asbestos fibre bags. Manual handling/opening of asbestos fibre bags is strictly prohibited.
iv.	Fugitive emissions shall be controlled by bringing cement in closed tankers, fly ash in covered trucks and asbestos in impervious bags opening inside a closed mixer. Dust collectors shall be provided to Fibre Mill, Bag Opening Device (BOD) Cement and Fly ash silos to control emissions, Bag filters followed by wet washer shall be provided at automatic bag opening machine, bag shredder, fibre mill and to cement silo to collect the dust and recycle it into the process. Fugitive emissions generated from hopper of Jaw Crusher and Pulverizer shall be channelized through hood with proper suction arrangement, bag	To control fugitive emission, cement is being brought in closed tankers, fly ash in covered trucks and asbestos in impervious bags. Opening of asbestos bags is being done inside the closed mixer. To control source emission, dust collectors has been provided to fibre mill, Bag Opening Device (BOD) including Cement and Fly ash silos. Bag filters followed by wet washers have been provided at automatic bag opening machine, bag shredder, fibre mill and cement silo to collect the dust and recycle it into the process. To

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Sl. No	Conditions	Compliance
	filter and stack.	control fugitive emissions, hood with proper suction arrangement, bag filter and stack adequate height have been provided at hopper of Jaw Crusher and Pulverizer. PUC Certificate of trucks/tankers involved in transportation of raw materials and finished products are checked at factory main gate.
v.	The Company shall comply with total dust emission limit of 2 mg/Nm <sup>3</sup> as notified under the Environment (Protection) Act, 1986. Adequate measures shall be adopted to control the process emission and ensure that the stack emission of asbestos fibre shall not exceed the emission limit of 0.2 fibre/cc. Asbestos fibre in work zone environment shall be maintained within 0.1 fibre/cc.	Total dust emission limit of 2 mg/Nm <sup>3</sup> is being maintained regularly. Adequate pollution control devices have been provided and operational practices are being followed to comply with statutory norms. <b>Monitoring Report for compliance operational period are enclosed.</b> We are maintaining asbestos fibre in working zone below 0.1 fibre/cc.
vi.	Bags containing asbestos fibre shall be stored in enclosed area to avoid fugitive emissions of asbestos fibre from damaged bags, if any.	Bags containing asbestos fibres are being stored in enclosed area as directed to avoid fugitive emission from damaged bags, if any.
vii.	Proper housekeeping shall be maintained within the plant premises. Process machinery, exhaust and ventilation systems shall be laid in accordance with Factories Act. Better housekeeping practices shall be adopted for improvement of the environment within the work environment also. These include : a) All monitoring transfer points shall be connected to dust extraction system. b) Leakages or dust from machines and ducts shall be plugged. c) Floor shall be cleaned by vacuum cleaner only. d) Enclosed belt conveyor shall be used instead of manual transportation of asbestos within the premises.	To maintain better housekeeping we have adopted practice of placing things at appropriate places within the plant premises. Process machinery, exhaust and ventilation systems have been provided in accordance with Factories Act. Better housekeeping practices are adopted for improvement of environment within the work zone also. These include:- a) All transfer points have been connected to dust extraction system. b) Zero leakage from machines and ducts is being maintained. c) Vacuum cleaner is used for cleaning floor. d) Conveyors (enclosed vertical lift) is being used to avoid the manual transportation of asbestos within the premises.

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Sl. No	Conditions	Compliance
viii.	Quarterly monitoring of pollutant (PM <sub>10</sub> , asbestos fibre count) in the work zone area and stack(s) shall be undertaken by the Project Proponents. In addition, the asbestos fibre count in the work zone area shall be monitored by an independent monitoring agency like NIOH / ITRC / NCB or any other approved agency and reports submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.	Quarterly Monitoring of source emissions and work-zone environment are being carried out by NABL accredited laboratory. Quarterly <b>Monitoring Reports for operational period are enclosed.</b> A copy of this compliance report along-with quarterly test reports is also being submitted to W.B. State and Central Pollution Control Board.
ix.	Total water requirement from ground water shall not exceed 300 m <sup>3</sup> /day and prior permission for the drawl of ground water from bore wells shall be obtained from the Competent Authority as may be applicable in this case. All the recommendations of the State Ground Water Department, Govt. of West Bengal shall be implemented in time bound manner.	Prior permission for the drawl of 200 m <sup>3</sup> /day ground water by bore wells has already been obtained from State Water Investigation Department (SWID), West Bengal. We use less than 200 m <sup>3</sup> /day of ground water. Copy of Permission Letter for drawl of Water has been submitted to concerned authorities earlier along-with our compliance report.
x.	As reflected in the Environmental Management Plan, all the treated effluent shall be recycled and reused in the manufacturing process. No process water shall be discharged outside the premises and 'zero' discharge shall be maintained. All the domestic wastewater shall be treated in septic tank followed by soak pit and used for green belt development.	The plant is being operated on zero effluent discharge basis. Process water is kept in closed circuit. Domestic waste water after proper treatment by dint of septic tank followed by soak-pit is being reused for dust suppression and greenbelt development.
xi.	The Company shall ensure that the entire solid waste generated including process rejects, cement, fly ash, dust from bag filters and empty asbestos bag shall be recycled back in the manufacturing process. Process sludge shall be 100% recycled and reused in the process. Hazardous waste shall be ground in dust proof pulverizer with integrated bag filter and recycled back to the process. Asbestos fibres which cannot be further recycled due to contamination of iron dust shall be stored in HDPE lined secured landfill. The disposal facilities for asbestos waste shall be in accordance with the Bureau of Indian Standard Code.	The entire solid waste collected from the plant including process rejects, cement, fly ash, dust from bag filters and empty asbestos bags if any, are being recycled back in the manufacturing process. Process wastes, Hazardous waste are managed as per provisions of the Hazardous Waste Management Rules, 2016 for which Authorization Letter has been issued by WBPCB. The disposal facilities for asbestos waste are also in accordance with Bureau of Indian Standard Code.



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Sl. No.	Conditions	Compliance
xii.	The cut and damaged fibre bags shall immediately be repaired. Empty fibre will be shredded into fine particles in a bag shredder and recycled into the process. Piling of AC Sheets shall be done in wet condition only.	The cut and damaged fibre bags are repaired immediately. Empty fibre bags after being shredded into small particles in an enclosed bag shredder are recycled into the process. AC sheets piling is being done in wet condition only.
xiii.	The Company shall obtain a certificate from the supplier of Chrysotile fibre that it does not contain any toxic or trace metals. A copy of certificate shall be submitted to the Ministry of Environment and Forests.	White Chrysotile fibre used in the process does not contain any toxic or trace metals. We are regularly submitting copy of Test report of White Chrysotile Asbestos Fibre.
xiv.	Regular medical examination of the workers and health monitoring of all the employees shall be carried out and if cases of asbestosis are detected, necessary compensation shall be arranged under the existing laws. A competent occupational health physician shall be appointed to carry out medical surveillance. Occupational health of all the workers shall be monitored for lung function test, chest x-ray, sputum for acid-fast-bacilli (AFC) and asbestos body (AB), urine for sugar and albumen, blood tests for TLC, DLC, ESR, Hb and records maintained for at least 40 years from the beginning of the employment or 15 years after the retirement or cessation of employment whichever is later. Occupational Health Surveillance shall be carried out as per the directives of the Hon'ble Supreme Court including the recent Kalyaneswari case.	We are providing medical examination and health check-up to all workers for lung function test, chest x-ray, sputum for acid-fast-bacilli (AFC) and asbestos body (AB), urine for sugar and albumen, blood tests for TLC, DLC, ESR, Hb and records kept. We are committed to continuously monitor and strengthen the process. After various test, the doctor issue fitness certificate in prescribed form as per Factory Act which are kept as record. We are committed to monitor and strengthen the process of health monitoring of our workers as per directives in the Factory Act continuously.
xv.	To educate the workers, all the work places where asbestos dust may cause a hazard shall be clearly indicated as a dust exposure area through the use of display signs which identi-	Activities relating to asbestos fibre/dust are done in enclosure hence no hazard area in the work place, however, your directive to display signs for dust expo-

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Sl. No.	Conditions	Compliance
	fies the hazard and the associated health effects.	sure area and the associated health effects has been provided to educate workers.
xvi.	The Company shall also undertake rain water harvesting measures and plan of action shall be submitted to the Ministry of Environment and Forests within three months.	Rain water harvesting scheme has been provided inside the premises.
xvii.	All the commitments made to the public during the Public Hearing / Public Consultation meeting held on 30 <sup>th</sup> August, 2011 shall be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhubaneswar.	Keeping in mind the need of the local villagers we have started implementation of the various social welfare schemes like in connection with issues raised during Public Hearing. Incurred expenses year-wise is given below : 2014-15-Rs.4,58,950.00 2015-16-Rs.9,01,478.00 2016-17-Rs.3,24,427.00 2017-18-Rs.77,735.00 2018-19-Rs.2,03,640.00 2019-20-Rs.2,91,240.00 2020-21-Rs. 15,46,980.00 2021-22-Rs.14,31,888.21 2022-23-Rs.10,00,000.00
xviii.	Green Belt shall be developed in at least 33% of plant area as per the CPCB guidelines in consultation with the DFO.	Greenbelt in the area of 33% has been developed and maintaining. The boundaries of the premises is now completely covered with trees.
xix.	At least 5% of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program should be ensured accordingly in a time bound manner.	The Enterprise Social Commitment earmarked against 5% of the total cost of the project installed has been fulfilled. (Expenses incurred as in xvii).
xx.	The Company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	Construction phase directives-Complied. Now, The plant is in operation since July, 2012. Necessary infrastructure and facilities like toilets, safe drinking water, medical health care, etc. have been provided to the staff & workers. No temporary structure exists.

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Sl. No.	Conditions	Compliance
<b>B. GENERAL CONDITIONS :</b>		
I.	The Project authorities must strictly adhere to the stipulations made by the West Bengal State Pollution Control Board and the State Government.	All the conditions mentioned in the NOC and CTO issued by the State Pollution Control Board are being complied with. CTO is valid till 30.04.2027.
II.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	No expansion or modification is made. Any expansion or modification of the existing plant will only be under-taken after obtaining the Environmental Clearance (EC) from MoEF, Govt. of India, New Delhi including Consent to Establish(CTE) from W.B. Pollution Control Board (WBPCB), W.B.
III.	The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19 <sup>th</sup> May, 1993 and standards prescribed from time to time. The State Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.	The gaseous emissions from various process units conform to the load / mass based standards notified by MoEF on the 19 <sup>th</sup> May, 1993 and standards prescribed from time to time. Please refer to <b>Quarterly Monitoring Reports for operational period enclosed.</b>
IV.	At least four ambient air quality monitoring stations should be established in the downward directions as well as where maximum ground level concentration of PM <sub>10</sub> , SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB / CPCB once in six months.	Four AAQ monitoring stations have been fixed and is being monitored by NABL accredited laboratory. Emissions from all stacks are also being monitored. <b>Quarterly Monitoring Reports enclosed for operational period.</b> Reports are also being submitted to SPCB and CPCB once in six months.
V.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> May, 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	No industrial waste water is generated. The process water is kept in closed circuit. Domestic effluent water is treated in septic tank followed by soak-pit and is being reused for greenbelt development and dust suppression. The plant is being operated on zero effluent discharge basis.

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Sl. No.	Conditions	Compliance
VI.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).	Noise control measures including acoustic hoods, silencers, enclosures, cork and rubber washers in machineries wherever required, etc. have already been provided to maintain noise level in and around the plant area within the prescribed standard. <b>Quarterly Monitoring Reports enclosed for operational period.</b> Workers have been provided ear-plugs as safe-guard.
VII.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	As per Factories Act the worker's personal protective equipment like helmet, nose mask, shoes, hand-gloves and sanitation facilities, occupational health surveillance are being provided regularly.
VIII.	The Company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Rain Water Harvesting Structure has been developed for harvesting surface water including roof top rain water for utilization in lean season and to reduce the use of fresh make-up ground water.
IX.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the Company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	All the relevant environment Protection measures as mentioned in EIA/EMP Report are being complied with. Local people as workers has been employed for improvement in socio-economic development, water is being supplied to nearby villages. Community development programs including Educational Programs are being continued.
X.	Requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so	The project could only be installed for 1,50,000 TPA capacity i.e. just half of the granted capacity of 3,00,000 TPA. Accordingly on the basis of present installed capacity of 1,50,000 TPA we earmarked funds towards the capital cost Rs.70 Lakh and Recurring cost Rs.7.5 Lakh per annum for pollution control activity. Capital cost Rs.70 Lakh has been utilized and Rs.7.5 Lakh is being



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Sl. No.	Conditions	Compliance
	provided shall not be diverted for any other purpose.	used to implement the conditions stipulated by the Ministry of Environment & Forests, Govt. of India, New Delhi and State Government.
XI.	A copy of clearance letter shall be sent by the proponent to concerned Panchyat, Zila Parishad / Municipal Corporation. Urban local Body and the local NGO, if any, from whom suggestions/representation, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the Company by the proponent.	Environmental Clearance was obtained for this project complying all the procedures as mentioned in EIA Notification, 2006 and its subsequent amendments. Advertisement was published in the newspapers regarding accordance of Environmental Clearance. The EC has already been put on the website of the Company and the compliance is also being put on the website of the Company regularly on six monthly basis .
XII.	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. It shall simultaneously be sent to the Regional Office of the MoEF at Bhubaneswar, the respective Zonal Office of CPCB and the SPCB. The Criteria pollutant levels namely PM10, SO2 and NOx (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.	Status of compliance of EC conditions and monitoring data is being put on the website ( <i>bcrl.in</i> ) of the Company. It is also being submitted to Zonal Office of CPCB and SPCB. Critical sectoral parameters, indicated for the project is displayed near the main gate of the Company in the public domain. <b>Photo enclosed.</b>
XIII	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF, the respective Zonal Office of CPCB and the	Six monthly compliance report w.r.t the Specific Conditions and General Conditions including results of monitored data as required in the Environmental Clearance is being submitted regularly to the concerned authorities as directed.

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Sl. No.	Conditions	Compliance
	SPCB. The Regional Office of the Ministry at Bhubaneswar/ CPCB / SPCB shall monitor the stipulated conditions.	
XIV.	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the Company along-with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MoEF at Bhubaneswar by e-mail.	Environmental Statement(E.S) for financial year ending on 31 <sup>st</sup> March, 2023 has been submitted to concerned SPCB and put on the website of the Company. <b>Copy of the said Environmental Statement is enclosed herewith.</b>
XV.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with SPCB and may also be seen at Website of the Ministry of Environment and Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of 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 and a copy of the same should be forwarded to the Regional Office at Bhubaneswar.	The Environmental Clearance accorded by MoEF had already been published in the earlier newspapers for information to public. The said EC has also been submitted to West Bengal Pollution Control Board at the time of obtaining CTE and CTO.
XVI.	Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Already complied.

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We have already complied all applicable conditions of the environmental clearance. We are also complying the conditions which are to be complied periodically on regular basis. However, we assure you that we will take prompt action, if any directive is received from you.

Thanking you,  
Yours faithfully,

For **Balmukund Cement & Roofings Pvt. Ltd.**

*Santosh Kumar*

Authorized Signatory



Encl: 1. Monitoring Reports.

2. Purchase Bill obtained from supplier White Chrysotile Fibre
3. Copy of Environmental Statement for the year ending on 31<sup>st</sup> March, 2023.
4. Photo of Display Board on Main Gate.

CC: The Member Secretary, W.B. Pollution Control Board, Paribesh Bhawan, Sector-III, Salt Lake, Kolkata- 700106.

CC: Central Pollution Control Board, Zonal Office, Southern Conclave, Block 502, 5th and 6th Floors, 1582 Rajdanga Main Road, Kolkata, West Bengal 700107

CC: Regional Officer, WBPCB, Asansol Regional Office, Kalyanpur Satellite Township, (K.S.T.P), Dr. B.C. Roy Road, P.O. - Dakshin Dhadka, Asansol – 713302

-All for information and record

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24 Mickiewicza Str, 62-500 Konin  
www.konimpex.com

## INVOICE

F/TR/1102022120014

ORIGINAL

Sales date: 2022-12-13  
Invoice Date: 2022-12-13

Seller: VAT ID: PL6650001148  
KONIMPEX Sp. z o.o.  
ul. Mickiewicza 24  
62-500 - KONIN  
PL - POLAND

Contact person: AGNIESZKA NOWAK  
Payment Term: Prepayment  
Due Date: 2022-12-13

Buyer: VAT ID: BRAK  
BALMUKUND CEMENT AND ROOFINGS LTD  
Village Muldi, P.O. Nanduka  
P.S. Raghunathpur District Purila  
723145 - West Bengal  
IN - INDIA

Contact person:

Reference no: M9872 Order Number: BCRL/KOL/KONIMPEX/004/2022-23 dtd. 2022-07-19  
Delivery Terms: CIF KOLKATA, INDIA  
Loading Date: 2022-12-13  
Loading port/place: POTI, GEORGIA  
Unloading port/place: KOLKATA, INDIA  
Ship Name: MSC NORDEROOG F.V. DC249R  
Bill Of Lading: MEDUPO167670

Pos	Description	Sales Qty	Unit	Sales Price USD	Net Amount USD	Tax %	VAT Amount	Gross Amount
1	Chrysotile Fibre Grade 5-50 of Kazakh Origin	220	t	705,00	155 100,00	-	-	155 100,00
	HS Code: 2524900000							
	Country Of Origin: KAZAKHSTAN							
Total:					155 100,00	-	-	155 100,00

In words:

One hundred fifty five thousand one hundred Dollars

KONIMPEX Ltd.  
24, Mickiewicza Str.  
62-500 Konin, POLAND

Konimpex Sp. z o.o.  
Tel.: +48 63 249 77 92, BDO: 000030364,  
e-mail: konimpex@konimpex.com.pl  
The Register of Companies - the District Court  
Nowe Miasto and Wilda in Poznań,

the 9th Economic Department of the National  
KRS No 0000043189  
VAT ID No.: PL6650001148,  
Company registr. No.: 008273909,  
Share capital: 358 000 PLN

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www.konimpex.com

## INVOICE

F/TR/1102022120014

COPY

Sales date: 2022-12-13

Invoice Date: 2022-12-13

Seller: VAT ID: PL6650001148  
KONIMPEX Sp. z o.o.  
ul. Mickiewicza 24  
62-500 - KONIN  
PL - POLAND

Contact person: AGNIESZKA NOWAK  
Payment Term: Prepayment  
Due Date: 2022-12-13

Buyer: VAT ID: BRAK  
BALMUKUND CEMENT AND ROOFINGS LTD  
Village Mukdi, P.O. Nanduka  
P.S. Raghunathpur District Purila  
723145 - West Bengal  
IN - INDIA

Contact person:

Reference no: M9872 Order Number: BCRL/KOL/KONIMPEX/004/2022-23 dtd. 2022-07-19  
Delivery Terms: CIF KOLKATA, INDIA  
Loading Date: 2022-12-13  
Loading port/place: POTI, GEORGIA  
Unloading port/place: KOLKATA, INDIA  
Ship Name: MSC NORDEROOG F.V. DC249R  
Bill Of Lading: MEDUPO167670

Pos	Description	Sales Qty	Unit	Sales Price USD	Net Amount USD	Tax %	VAT Amount	Gross Amount
1	Chrysotile Fibre Grade 5-50 of Kazakh Origin	220	t	705,00	155 100,00	-	-	155 100,00
	HS Code: 2524900000							
	Country Of Origin: KAZAKHSTAN							
Total:					155 100,00	-	-	155 100,00

In words:

One hundred fifty five thousand one hundred Dollars

KONIMPEX Ltd.  
24, Mickiewicza Str.  
62-500 Konin, POLAND

Konimpex Sp. z o.o.  
Tel.: +48 63 249 77 92, BDO: 000030364,  
e-mail: konimpex@konimpex.com.pl  
The Register of Companies - the District Court  
Nowe Miasto and Wilda in Poznań,

the 9th Economic Department of the National  
KRS No 0000043189  
VAT ID No.: PL6650001148,  
Company registr. No.: 008273909,  
Share capital: 358 000 PLN



**BALMUKUND****CEMENT & ROOFINGS PVT. LTD.**

18, R. N. Mukherjee Road, (1st Floor), Kolkata-700 001

Ph.: 2248 6304/06, 4032 5000, Fax : 2213 7399

E-mail : balmukundcement@gmail.com

Website : www.bcrl.in

CIN : U26900BR2004PTC025152

GSTIN : 19AACCB9534B1ZT

05<sup>th</sup> May, 2023

The Member Secretary,  
W.B. Pollution Control Board,  
"Paribesh Bhawan", Sector-III,  
Salt Lake,  
Kolkata-700106

**Sub: Submission of Environmental Statement for the  
Financial Year ending on 31<sup>st</sup> March, 2023**

Sir,

We are submitting herewith enclosed our Environmental Statement for the Financial Year ending on 31<sup>st</sup> March, 2023 for your needful and record.

Thanking you,  
Yours faithfully,  
For Balmukund Cement & Roofings Pvt. Ltd.

*Santosh Kumar*  
Authorized Signatory



Encl: As above

EM301573119IN INR:6987301573119  
SP R N MUKHERJEE ROAD SO  
Counter No:1,09/05/2023,12:59  
To:MEMBER SECRETARY,KOL  
PIN:700006, Beadon Street SO  
From:BALMUKUND C,KOL  
Wt:36gms  
Amt:17.70(Cash)Tax:2.70  
<Track on www.indiapost.gov.in>  
<Dial 18002666868> <Wear Masks, Stay Safe>



REGD. OFFICE : 702, LUV-KUSH TOWER, EXHIBITION ROAD, PATNA - 800 001, PH.: (0612) 2322388/488

WORKS :- VILLAGE : MULDI, P.O.: NANDUKA, P.S.: RAGHUNATHPUR, DIST.: PURULIA, W.B., PIN.: 723 145

All Disputes are Subject to Patna (Bihar) jurisdiction only

[FORM – V]

(See rule 14)

Environmental Statement for the financial year ending on the 31<sup>st</sup> March, 2023

PART – A

- (i) Name and address of the owner/ occupier of the industry operation or process : Balmukund Cement & Roofings Pvt. Ltd.  
Village - Muldi, P.O. Nanduka,  
Raghunathpur, Dist. Purulia, W.B.- 723145
- (ii) Industry category Primary-(STC code) Secondary.-(SIC Code) : Primary
- (iii) Production capacity.----Units---- : 1,50,000 TPA
- (iv) Year of establishment : July, 2012
- (v) Date of the last environmental statement submitted : 20/07/2022

PART – B

Water and River Material Consumption

- (i) Water consumption m<sup>3</sup>/d:
- Process : 80
- Cooling : -
- Domestic : 10

Name of Products	Process water consumption per unit of product output.	
	During the previous financial Year	During the Current financial Year
	(1)	(2)
(1) Asbestos Cement Corrugated Roofing Sheet	0.155	0.155
(2)		
(3)		

1. Substituted by Rule 2 (b) of the Environment (Protection) Amendment Rules, 1993 notified vide G.S.R 3'6 (E) dated 22.04.1993.



ii) **Raw Material Consumption**

*Name of raw materials	Name of products	Consumption of raw material per Unit of output in MT	
		During the Previous financial year	During the current financial year
1. Chrysotile Asbestos Fibre		0.138	0.140
2. Fly Ash		0.300	0.330
3. Cotton Rag Pulp		0.005	0.017
4. Cement		0.480	0.480

\*Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

**PART - C**

Pollution discharged to environment (based on March,2023 monitoring reports)  
(Parameter as specified in the consent issued)

1) Pollutants	Quantity of pollutants discharged (mass-Nm <sup>3</sup> /hr)	Concentrations of pollutants in discharge (mass-mg/Nm <sup>3</sup> )	Percentage of variation from prescribed standards with reasons
a) Water	0	0	0
b) Air (Stack)			
Cement Feeding	2468	SPM-25 CO-<0.2%	0
Fly Ash Feeding	3144	SPM-35 CO-<0.2%	0 0
Fibre Mill	2819	SPM-1.41 CO-<0.2%	0 0
D.G. Set	1106	SPM-24 CO-<0.2% CO <sub>2</sub> -0.00%	0 0 0



## PART – D

### Hazardous Wastes

(as specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous Financial Year (kg)	During the current Financial year(kg)

a) From process	0	0
b) From pollution control facilities.	0	0
c) Others :		
D.G. Used Filter	0	0
Broken Asbestos Cement Sheet (Discarded Asbestos)	520	500
D.G. Used Oil	09 Liter	04 Liter

## PART – E

### Solid Wastes

	Total Quantity(Kg.)	
	During the previous Financial year(kg)	During the current financial year(kg)

(a) From process		
Sludge & Other Sediments	228	308
(b) From pollution control facility		
(1) Quantity recycled or re-utilized within the unit :		
Cement Dust	2283	3083
Fly Ash Dust	404	546
(From Pulse Jet Bag Filter)		
Chrysotile Fibre Dust	33	45
(From Bag Filter)		
(All Re-utilized in manufacturing process within the unit)		
(2) Sold	0.000	
(3) Disposed	0.000	



## PART – F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Wastes	Characteristics	Nature	Disposal through
D.G. Used Filter	Oily Filter Paper	Hazardous	NIL
Broken Asbestos Cement Sheet (Discarded Asbestos)	Roofings sheet contains its raw material and water	Hazardous	WBWML
D.G. Used Oil	Lubric	Hazardous	Used in smoothen machineries within premises.
Sludge & Other Sediments	Wet cement & Fly ash mixture	Non-Hazardous	Reused in process
Cement Dust	Cement contents	Non-Hazardous	Reused in process
Fly Ash Dust	Fly Ash	Non-Hazardous	Reused in process
Chrysotile Fibre Dust	Asbestos Fibre	Non-Hazardous	Reused in process

## PART – G

**Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.**

Natural resources remains in its original form. Increases the cost of production.

## PART – H

**Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.**

1. Asbestos fibre in pelletized form is being brought in impermeable bags under compressed condition.
2. We use only Chrysotile white asbestos fibre as raw material.
3. Installed fully automatic asbestos fibre debagging system
4. Appropriate height of stakes at cement feeding, fly ash feeding, fibre mill and DG Set and bag filters have been provided.
5. Conveyors (enclosed vertical lift) is used to avoid the manual transportation of asbestos within the premises.
6. Zero discharge is being maintained.
7. Monitoring of AAQ, NL, Fugitive Emission, Stake Emission and quality of domestic waste water is carried on quarterly basis and reports submitted to SPCB and MoEF, CPCB on six-monthly basis with EC Compliance.
8. Greenbelt developed.
9. Criteria Pollutant display board installed in public domain i.e. at the main entrance factory gate.

All measures taken for environmental protection on regular basis. Prompt attention is given on any directive received from MoEF/CPCB/WBPCB on additional measures for environmental protection.



**PART - I**

**Any other particulars for improving the quality of the environment.**

All pollution control devices has been provided and run properly. Greenbelt developed. House-keeping is maintained. Concrete road within the premises has been provided and kept neat and clean. Water sprinkling is being done. Other directive, if any, received from MoEF/CPCB/WBPCB for improving the quality of the environment will receive our prompt action.

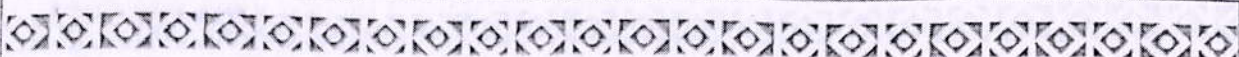
**For Balmukund Cement & Roofings Pvt. Ltd.**



*Santosh Kumar*

**Authorized Signatory**





# KALYANI LABORATORIES PVT. LTD.

Kalyani Laboratories

PLOT NO. 78041, MILESTONE CITY PATH, BHUBANESWAR-751022, ODISHA

## TEST REPORT

NABL ULR NO : TC704323000015667P

Test Report No : KLPL/12/22/ENVN/02067A

Reference : -

Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD

Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, DISTRICT- PURULIA, W. BENGAL

Date of receipt : 08-Dec-2022 Commenced On: 08-Dec-2022 Completion On: 14-Dec-2022

Sample Name : AMBIENT AIR QUALITY MONITORING

Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity : 4 NOS.

Ref. To Sampling Procedure: QSP-07

Issue Date : 20-Dec-2022



Parameters Unit Standard Value Results Test Method

Location & Date : NEAR MAIN GATE DT- 05.12.2022 TO 06.12.2022

Sulphur Dioxide	µg/m <sup>3</sup>	80	9.60	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m <sup>3</sup>	80	24.50	IS 5182 (PART 6) : 2006
Particulate Matter (PM10)	µg/m <sup>3</sup>	100	85.00	IS 5182(PART-23) : 2006
Particulate Matter (PM2.5)	µg/m <sup>3</sup>	60	48.00	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m <sup>3</sup>	04	0.76	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m <sup>3</sup>	180	24.00	KLPL/SOP/AIR-19
Lead (Pb)	µg/m <sup>3</sup>	1.0	0.08	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m <sup>3</sup>	400	26.00	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m <sup>3</sup>	05	<0.01	KLPL/SOP/AIR-07
Benzo (a) Pyrene (BaP)	ng/m <sup>3</sup>	01	<0.01	KLPL/SOP/AIR-07
Arsenic (As)	ng/m <sup>3</sup>	06	<1.00	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m <sup>3</sup>	20	<5.00	KLPL/SOP/AIR-10

Location & Date : INFRONT OF TEMPLE DT- 05.12.2022 TO 06.12.2022

Sulphur Dioxide	µg/m <sup>3</sup>	80	8.20	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m <sup>3</sup>	80	20.40	IS 5182 (PART 6) : 2006
Particulate Matter (PM10)	µg/m <sup>3</sup>	100	76.00	IS 5182(PART-23) : 2006
Particulate Matter (PM2.5)	µg/m <sup>3</sup>	60	39.00	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m <sup>3</sup>	04	0.72	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m <sup>3</sup>	180	21.00	KLPL/SOP/AIR-19
Lead (Pb)	µg/m <sup>3</sup>	1.0	0.04	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m <sup>3</sup>	400	23.00	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m <sup>3</sup>	05	<0.01	KLPL/SOP/AIR-07
Benzo (a) Pyrene (BaP)	ng/m <sup>3</sup>	01	<0.01	KLPL/SOP/AIR-07
Arsenic (As)	ng/m <sup>3</sup>	06	<1.00	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m <sup>3</sup>	20	<5.00	KLPL/SOP/AIR-10

Location & Date : NEAR SECURITY GUARD REST ROOM DT- 05.12.2022 TO 06.12.2022

Sulphur Dioxide	µg/m <sup>3</sup>	80	07.80	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m <sup>3</sup>	80	21.40	IS 5182 (PART 6) : 2006
Particulate Matter (PM10)	µg/m <sup>3</sup>	100	79.60	IS 5182(PART-23) : 2006
Particulate Matter (PM2.5)	µg/m <sup>3</sup>	60	44.00	KLPL/SOP/AIR-02



KLPL- 358846A





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

NABL ULR NO : TC704323000015667P

## TEST REPORT



Test Report No : KLPL/12/22/ENVN/02067A

Issue Date : 20-Dec-2022

Rereference : -

Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD

Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, DISTRICT- PURULIA, W. BENGAL

Date of receipt : 08-Dec-2022

Commenced On : 08-Dec-2022

Completion On: 14-Dec-2022

Sample Name : AMBIENT AIR QUALITY MONITORING

Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity : 4 NOS.

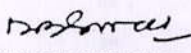
Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Carbon Monoxide (CO) (01 Hrs.)	mg/m <sup>3</sup>	04	0.73	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m <sup>3</sup>	180	21.50	KLPL/SOP/AIR-19
Lead (Pb)	µg/m <sup>3</sup>	1.0	0.06	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m <sup>3</sup>	400	24.00	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m <sup>3</sup>	05	<0.01	KLPL/SOP/AIR-07
Benza (a) Pyrene (BaP)	ng/m <sup>3</sup>	01	<0.01	KLPL/SOP/AIR-07
Arsenic (As)	ng/m <sup>3</sup>	06	<1.00	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m <sup>3</sup>	20	<5.00	KLPL/SOP/AIR-10
Location & Date : NEAR WESTERN SIDE OF WEIGH BRIDGE DT- 05.12.2022 TO 06.12.2022				
Sulphur Dioxide	µg/m <sup>3</sup>	80	10.20	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m <sup>3</sup>	80	26.50	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m <sup>3</sup>	100	87.30	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m <sup>3</sup>	60	49.00	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m <sup>3</sup>	04	0.79	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m <sup>3</sup>	180	23.00	KLPL/SOP/AIR-19
Lead (Pb)	µg/m <sup>3</sup>	1.0	0.08	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m <sup>3</sup>	400	28.00	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m <sup>3</sup>	05	<0.01	KLPL/SOP/AIR-07
Benza (a) Pyrene (BaP)	ng/m <sup>3</sup>	01	<0.01	KLPL/SOP/AIR-07
Arsenic (As)	ng/m <sup>3</sup>	06	<1.00	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m <sup>3</sup>	20	<5.00	KLPL/SOP/AIR-10

Remarks :

Any unusual feature observed during determination :

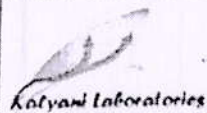
\*\*\*\*\* End of Test Report \*\*\*\*\*

  
Authorised Signatory  
For Kalyani Laboratories Pvt. Ltd.



KLPL-358845A





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78944, MILLENNIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

## TEST REPORT



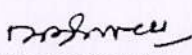
NABL ULR NO : TC704323000015667P  
Test Report No : KLPL/12/22/ENVN/02067B  
Reference : -  
Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD  
Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL  
Date of receipt : 08-Dec-2022 Commenced On: 08-Dec-2022 Completion On: 14-Dec-2022  
Sample Name : NOISE (AMBIENT AIR), DAY TIME  
Sample Condition : -  
Quantity : 4 NOS  
Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR MAIN GATE, DT- 05.12.2022 TO 06.12.2022				
Noise Level Indl. Area (Day)	dB	75	59.7	IS 9989:1981 (RA 2014)
Location & Date : IN-FRONT OF TEMPLE, DT- 05.12.2022 TO 06.12.2022				
Noise Level Indl. Area (Day)	dB	75	58.5	IS 9989:1981 (RA 2014)
Location & Date : NEAR SECURITY GUARD REST ROOM, DT- 05.12.2022 TO 06.12.2022				
Noise Level Indl. Area (Day)	dB	75	57.4	IS 9989:1981 (RA 2014)
Location & Date : WESTERN SIDE OF WEIGH BRIDG, DT-05.12.2022 TO 06.12.2022				
Noise Level Indl. Area (Day)	dB	75	61.2	IS 9989:1981 (RA 2014)

Remarks :

Any unusual feature observed during determination :

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

  
Authorised Signatory  
For Kalyani Laboratories Pvt. Ltd.





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

## TEST REPORT



NABL ULR NO : TC704323000015667P

Test Report No : KLPL/12/22/ENVN/02067C

Issue Date : 20-Dec-2022

Rerefrence : -

Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD

Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL

Date of receipt : 08-Dec-2022 Commenced On: 08-Dec-2022

Completion On: 14-Dec-2022

Sample Name : NOISE (AMBIENT AIR), NIGHT TIME

Sample Condition : -

Quantity : 4 NOS

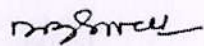
Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR MAIN GATE, DT- 05.12.2022 TO 06.12.2022				
Noise Level Indl. Area (Night)	dB	70	53.5	IS 9989:1981 (RA 2014)
Location & Date : IN-FRONT OF TEMPLE, DT- 05.12.2022 TO 06.12.2022				
Noise Level Indl. Area (Night)	dB	70	54.3	IS 9989:1981 (RA 2014)
Location & Date : NEAR SECURITY GUARD REST ROOM, DT-05.12.2022 TO 06.12.2022				
Noise Level Indl. Area (Night)	dB	70	56.1	IS 9989:1981 (RA 2014)
Location & Date : WESTERN SIDE OF WEIGH BRIDG, DT- 05.12.2022 TO 06.12.2022				
Noise Level Indl. Area (Night)	dB	70	57.6	IS 9989:1981 (RA 2014)

Remarks :

Any unusual feature observed during determination :

End of Test Report

  
Authorised Signatory  
For Kalyani Laboratories Pvt. Ltd.



KLPL- 358843A





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

## TEST REPORT



NABL ULR NO : TC704322000015118P  
Test Report No : KLPL/12/22/WATER/07707A Issue Date : 20-Dec-2022  
Reference : NIL  
Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD  
Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL  
Date of receipt : 08-Dec-2022 Test Commenced On: 08-Dec-2022 Test Completion On: 14-Dec-2022  
Sample Description : WASTE WATER  
Sample Condition : SEALED IN 1LTR PET BOTTLE  
Sample Identification \* : DOMESTIC EFFLUENT WATER Sampling Date : 07-Dec-2022  
Batch No, Lot No : NA MFG Date: NA EXP Date : NA  
Received Quantity : 1LTR X 1 Place of Collection : OUTLET OF OFFICE BUILDING  
Sample Collected By : By KLPL  
Ref.To Sampling Procedure : QSP-07

Parameters	Unit	Requirement	Result	Test Method
<b>CHEMICAL PARAMETER</b>				
i Total Solids	mg/l	-	180	APHA 23 <sup>rd</sup> Edition 2540 B
ii Total Dissolved Solid	mg/l, Max	-	142	APHA 23 <sup>rd</sup> Edition (2540 C), 2017
iii Chemical Oxygen Demand	mg/l, Max	250	45	APHA 23 <sup>rd</sup> Edition (5220 B), 2017
iv Biochemical Oxygen Demand (For 3 days 27deg C)	mg/l, Max	30	14	APHA 23 <sup>rd</sup> Edition 2012(5210.9), 2017
v Total Suspended Solids	mg/l, Max	100	38	APHA 23 <sup>rd</sup> Edition (2540 D), 2017
vi Oil & Grease	mg/l, Max	10	<0.1	APHA 23 <sup>rd</sup> Edition (5520B), 2017
<b>PHYSICAL PARAMETER</b>				
vii pH Value	--	5.5-9.0	6.7	APHA 23 <sup>rd</sup> Edition (4500-H+-B), 2017
Remarks :				
Any unusual feature observed during determination :				
***** End of Test Report *****				

Authorized Signatory  
For Kalyani Laboratories Pvt. Ltd



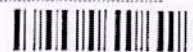




# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

## TEST REPORT



Issue Date : 20-Dec-2022

NABL ULR NO : TC704323000015667P  
Test Report No : KLPL/12/22/ENVN/02067D  
Rereference : -  
Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD  
Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL  
Date of receipt : 08-Dec-2022 Commenced On: 08-Dec-2022

Completion On: 14-Dec-2022

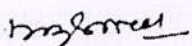
Sample Name : AIR QUALITY MONITORING (FUGITIVE DUST)  
Sample Condition : -  
Quantity : 5 NOS  
Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : ABOUT 10M AWAY FROM CEMENT FEEDING POINT DT-06.12.2022				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	2000	1774	Guidelines of AMBIENT AIR POLLUTANTS VOL-I, V-II, CPCB
Location & Date : ABOUT 10M AWAY FROM PROCESSING AREA DT-06.12.2022				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	2000	1846	Guidelines of AMBIENT AIR POLLUTANTS VOL-I, V-II, CPCB
Location & Date : ABOUT 10M AWAY FROM FINISHED PRODUCT OUTCOME AREA DT-06.12.2022				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	2000	1752	Guidelines of AMBIENT AIR POLLUTANTS VOL-I, V-II, CPCB
Location & Date : ABOUT 10M AWAY FROM FINISHED PRODUCT STORAGE AREA DT-06.12.2022				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	2000	1688	Guidelines of AMBIENT AIR POLLUTANTS VOL-I, V-II, CPCB
Location & Date : ABOUT 10M AWAY FROM DESTACKING AREA DT-06.12.2022				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	2000	1710	Guidelines of AMBIENT AIR POLLUTANTS VOL-I, V-II, CPCB

Remarks :

Any unusual feature observed during determination :

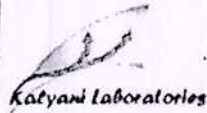
\*\*\*\*\* End of Test Report \*\*\*\*\*

  
Authorised Signatory  
For Kalyani Laboratories Pvt. Ltd.



KLPL- 358841A Page 1 of 1





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, Bhubaneswar-751032, ODISHA

## TEST REPORT

NABL ULR NO : TC704323000015667P

Test Report No. : KLPL/12/22/ENVN/02067E

Issue Date: 20.12.2022

Name and address of the Customer: M/S BALMUKUND CEMENT & ROOFINGS PVT LTD  
AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR,  
District- PURULIA, W. BENGAL

Sampling Date : 05.12.2022

Date of Sample Receipt: 08.12.2022

Testing Dt.: 08.12.2022

Test completion Dt.: 14.12.2022

Sample Description: FLY ASH FEEDING STACK

Sample Condition: NANO. of Samples: 1 No.

Sampling Method used, if any: -

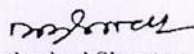
Height of stack from ground level (in meter)	: 30
Inner dimension of stack (in meter)	: 0.43
Height of port hole (in meter)	: 12.76
Atmospheric temperature (in °C)	: 28
Stack gas temperature (in °C)	: 26
Stack gas velocity (in m/sec)	: 5.84
Volumetric flow rate (in Nm <sup>3</sup> /hr)	: 3,044
Dust concentration (in mg/Nm <sup>3</sup> )	: 32
Emission rate (in kg/hr)	: --
Name of fuel & quantity used per shift	: Nil (Process Stack)
Production capacity	: 20 T/ Hour
Stack attached to	: Process Activity (Bag Filter).

### GASES

Sulphurdioxide (in mg/Nm <sup>3</sup> ) as SO <sub>2</sub>	: -
Nitrogenoxides (in mg/Nm <sup>3</sup> ) as NO <sub>2</sub>	: -
CO <sub>2</sub> % (V/V)	: < 0.2

\*REMARKS : - Dust Concentration was found 32 mg/Nm<sup>3</sup> against prescribed limit of 50 mg/Nm<sup>3</sup>.

----- End of Test Report -----

  
Authorized Signatory  
Kalyani Laboratories Private Limited



KLPL- 358840A





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MII LENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

## TEST REPORT

NABL ULR NO : TC704323000015667P

Test Report No. : KLPL/12/22/ENVN/02067F

Issue Date: 20.12.2022

Name and address of the Customer: M/S BALMUKUND CEMENT & ROOFINGS PVT LTD  
AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR,  
District- PURULIA, W. BENGAL

Sampling Date : 05.12.2022

Date of Sample Receipt: 08.12.2022

Testing Dt.: 08.12.2022

Test completion Dt.: 14.12.2022

Sample Description: FIBRE MILL STACK

Sample Condition: NANO. of Samples: 1 No.

Sampling Method used, if any: -

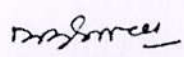
Height of stack from ground level (in meter)	: 30
Inner dimension of stack (in meter)	: 0.40
Height of port hole (in meter)	: 12.60
Atmospheric temperature (in °C)	: 28
Stack gas temperature (in °C)	: 27
Stack gas velocity (in °C)	: 6.32
Volumetric flow rate (in Nm <sup>3</sup> /hr)	: 2,841
Dust concentration (in mg/Nm <sup>3</sup> )	: 1.42
Emission rate (in kg/hr)	: --
Name of fuel & quantity used per shift	: Nil (Process Stack)
Production capacity	: 1.80 T/ Hour
Stack attached to	: Process Activities (Bag Filter).

### GASES

Sulphurdioxide (in mg/Nm <sup>3</sup> ) as SO <sub>2</sub>	: -
Nitrogenoxides (in mg/Nm <sup>3</sup> ) as NO <sub>2</sub>	: -
CO <sub>2</sub> % (V/V)	: < 0.2

\*REMARKS: Dust Concentration was found 1.42 mg/Nm<sup>3</sup> against prescribed limit of 02 mg/Nm<sup>3</sup>.

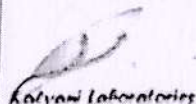
----- End of Test Report -----

  
Authorized Signatory  
Kalyani Laboratories Private Limited



KLPL- 358839A





# KALYANI LABORATORIES PVT. LTD.

PLOT NO. 78/944, MILLENNIUM CITY PALM, BHU BANI SWAR, 751042, ODISHA

## TEST REPORT

NABL ULR NO : TC704323000015667P

Test Report No.: KLPL/12/22/ENVN/02067G

Issue Date: 20.12.2022

Name and address of the Customer: M/S BALMUKUND CEMENT & ROOFINGS PVT LTD  
AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR,  
District- PURULIA, W. BENGAL

Sampling Date : 05.12.2022

Date of Sample Receipt: 08.12.2022

Testing Dt.: 08.12.2022

Test completion Dt.: 14.12.2022

Sample Description: CEMENT FEEDING STACK

Sample Condition: NANO. of Samples: 1 No.

Sampling Method used, if any: -

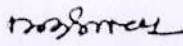
Height of stack from ground level (in meter)	: 30
Inner dimension of stack (in meter)	: 0.38
Height of port hole (in meter)	: 13.6
Atmospheric temperature (in °C)	: 29
Stack gas temperature (in °C)	: 27
Stack gas velocity (in °C)	: 5.85
Volumetric flow rate (in Nm <sup>3</sup> /hr)	: 2372
Dust concentration (in mg/Nm <sup>3</sup> )	: 26
Emission rate (in kg/hr)	: --
Name of fuel & quantity used per shift	: Nil (Process stack)
Production capacity	: 20 T/ Hour
Stack attached to	: Cement Feeding (Bag Filter).

### GASES

Sulphurdioxide (in mg/Nm <sup>3</sup> ) as SO <sub>2</sub>	: -
Nitrogenoxides (in mg/Nm <sup>3</sup> ) as NO <sub>2</sub>	: -
CO <sub>2</sub> % (V/V)	: < 0.2

\*REMARKS : - Dust Concentration was found 26 mg/Nm<sup>3</sup> against prescribed limit of 30 mg/Nm<sup>3</sup>.

----- End of Test Report -----

  
Authorized Signatory  
Kalyani Laboratories Private Limited







# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

## TEST REPORT

NABL ULR NO : TC704323000015667P

Test Report No. : KLPL/12/22/ENVN/02067H

Issue Date: 20.12.2022

Name and address of the Customer: M/S BALMUKUND CEMENT & ROOFINGS PVT LTD  
AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR,  
District- PURULIA, W. BENGAL

Sampling Date : 05.12.2022

Date of Sample Receipt: 08.12.2022

Testing Dt.: 08.12.2022

Test completion Dt.: 14.12.2022

Sample Description: D. G. SET STACK

Sample Condition: NANO. of Samples: 1 No.

Sampling Method used, if any: -

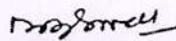
Height of stack from ground level (in meter)	: 12.19
Inner dimension of stack (in meter)	: 0.23
Height of port hole (in meter)	: 6.10
Atmospheric temperature (in °C)	: 29
Stack gas temperature (in °C)	: 221
Stack gas velocity (in °C)	: 10.62
Volumetric flow rate (in Nm <sup>3</sup> /hr)	: 958
Dust concentration (in mg/Nm <sup>3</sup> )	: 24
Emission rate (in kg/hr)	: --
Name of fuel & quantity used per shift	: HSD (160 Litre/hour)
Production capacity	: 1010 KVA
Stack attached to	: DG SET.

### GASES

Sulphurdioxide (in mg/Nm <sup>3</sup> ) as SO <sub>2</sub>	: 12
Nitrogenoxides (in mg/Nm <sup>3</sup> ) as NO <sub>2</sub>	: 26
CO % (V/V)	: 5.2

\*REMARKS :- Dust Concentration was found 26 mg/Nm<sup>3</sup> against prescribed limit of 100 mg/Nm<sup>3</sup>.

----- End of Test Report -----

  
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Kalyani Laboratories Private Limited



KLPL- 358837A





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENNIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

## TEST REPORT



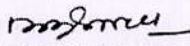
NABL ULR NO : TC704323000015667P  
Test Report No : KLPL/12/22/ENVN/020671  
Reference : -  
Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD  
Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL  
Date of receipt : 08-Dec-2022 Commenced On: 08-Dec-2022 Completion On: 14-Dec-2022  
Sample Name : WORKZONE NOISE (DAY)  
Sample Condition : -  
Quantity : 4 NOS  
Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR STACKER AREA, DT-05.12.2022 TO 06.12.2022				
Noise Level Work zone. Area (Day)	dB	90	68.4	IS 9989:1981 (RA 2014)
Location & Date : NEAR DESTACKER AREA, DT-05.12.2022 TO 06.12.2022				
Noise Level Work zone. Area (Day)	dB	90	72.3	IS 9989:1981 (RA 2014)
Location & Date : NEAR FIBRE MILL AREA, DT-05.12.2022 TO 06.12.2022				
Noise Level Work zone. Area (Day)	dB	90	66.9	IS 9989:1981 (RA 2014)
Location & Date : NEAR D. G. SET ROOM, DT-05.12.2022 TO 06.12.2022				
Noise Level Work zone. Area (Day)	dB	90	67.5	IS 9989:1981 (RA 2014)

Remarks :

Any unusual feature observed during determination :

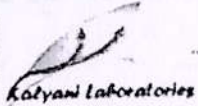
End of Test Report

  
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For Kalyani Laboratories Pvt. Ltd.



KLPL- 358836A Page 1 of 1





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL BHUBANESWAR-751002, ODISHA

## TEST REPORT



Issue Date : 20-Dec-2022

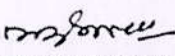
NABL ULR NO : TC704323000015667P  
Test Report No : KLPL/12/22/ENVN/02067J  
Rerefrence : -  
Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD  
Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL  
Date of receipt : 08-Dec-2022 Commenced On: 08-Dec-2022 Completion On: 14-Dec-2022  
Sample Name : WORKZONE NOISE (NIGHT)  
Sample Condition : -  
Quantity : 4 NOS  
Ref.To Sampling Procedure : QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR STACKER AREA, DT-05.12.2022 TO 06.12.2022				
Noise Level Work zone. Area (Night)	dB	90	66.1	IS 9989:1981 (PA 2014)
Location & Date : NEAR DESTACKER AREA, DT-05.12.2022 TO 06.12.2022				
Noise Level Work zone. Area (Night)	dB	90	71.0	IS 9989:1981 (PA 2014)
Location & Date : NEAR FIBRE MILL AREA, DT-05.12.2022 TO 06.12.2022				
Noise Level Work zone. Area (Night)	dB	90	65.7	IS 9989:1981 (PA 2014)
Location & Date : NEAR D. G. SET ROOM, DT-05.12.2022 TO 06.12.2022				
Noise Level Work zone. Area (Night)	dB	90	64.8	IS 9989:1981 (PA 2014)

Remarks :

Any unusual feature observed during determination :

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

  
Authorised Signatory  
For Kalyani Laboratories Pvt. Ltd.



KLPL- 358835A <sup>Page 1 of 1</sup>





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENNIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

## TEST REPORT



NABL ULR NO : TC704323000016323P

Test Report No : KLPL/3/23/ENVN/02208K

Issue Date : 06-April, 2023

Reference : -

Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD

Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, DISTRICT- PURULIA, W. BENGAL

Date of receipt : 29-March, 2023 Commenced On: 29-March, 2023 Completion On: 05-April, 2023

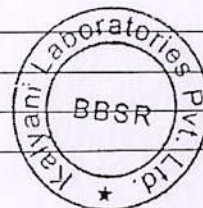
Sample Name : AMBIENT AIR QUALITY MONITORING

Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED

Quantity : 4 NOS

Ref. To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
<b>Location &amp; Date : NEAR MAIN GATE DT- 27.03.2023 TO 28.03.2023</b>				
Sulphur Dioxide	µg/m <sup>3</sup>	80	7.40	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m <sup>3</sup>	80	20.60	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m <sup>3</sup>	100	82.00	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m <sup>3</sup>	60	46.00	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m <sup>3</sup>	04	0.71	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m <sup>3</sup>	180	21.00	KLPL/SOP/AIR-19
Lead (Pb)	µg/m <sup>3</sup>	1.0	<0.02	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m <sup>3</sup>	400	12.00	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m <sup>3</sup>	05	<1.0	KLPL/SOP/AIR-07
Benza (a) Pyrene (BaP)	ng/m <sup>3</sup>	01	<1.0	KLPL/SOP/AIR-07
Arsenic (As)	ng/m <sup>3</sup>	06	<1.0	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m <sup>3</sup>	20	<4.0	KLPL/SOP/AIR-10
<b>Location &amp; Date : INFRONT OF TEMPLE DT- 27.03.2023 TO 28.03.2023</b>				
Sulphur Dioxide	µg/m <sup>3</sup>	80	7.20	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m <sup>3</sup>	80	18.50	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m <sup>3</sup>	100	77.00	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m <sup>3</sup>	60	42.00	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m <sup>3</sup>	04	0.64	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m <sup>3</sup>	180	20.00	KLPL/SOP/AIR-19
Lead (Pb)	µg/m <sup>3</sup>	1.0	<0.02	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m <sup>3</sup>	400	11.00	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m <sup>3</sup>	05	<1.0	KLPL/SOP/AIR-07
Benza (a) Pyrene (BaP)	ng/m <sup>3</sup>	01	<1.0	KLPL/SOP/AIR-07
Arsenic (As)	ng/m <sup>3</sup>	06	<1.0	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m <sup>3</sup>	20	<4.0	KLPL/SOP/AIR-10
<b>Location &amp; Date : NEAR SECURITY GUARD REST ROOM DT- 27.03.2023 TO 28.03.2023</b>				
Sulphur Dioxide	µg/m <sup>3</sup>	80	9.40	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m <sup>3</sup>	80	20.00	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m <sup>3</sup>	100	80.50	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m <sup>3</sup>	60	45.00	KLPL/SOP/AIR-02



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# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78944, MILLENNIUM CITY PALM, BHUBANESWAR-751032, ODISHA

## TEST REPORT



NABL ULR NO : TC704323000016323P  
 Test Report No : KLPL/3/23/ENVN/02208K  
 Reference : -  
 Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD  
 Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, DISTRICT- PURULIA, W. BENGAL  
 Date of receipt : 29-March, 2023 Commenced On : 29-March, 2023 Completion On: 05-April, 2023  
 Sample Name : AMBIENT AIR QUALITY MONITORING  
 Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED  
 Quantity : 4 NOS  
 Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Carbon Monoxide (CO) (01 Hrs.)	mg/m <sup>3</sup>	04	0.68	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m <sup>3</sup>	180	22.00	KLPL/SOP/AIR-19
Lead (Pb)	µg/m <sup>3</sup>	1.0	<0.02	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m <sup>3</sup>	400	13.00	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m <sup>3</sup>	05	<1.0	KLPL/SOP/AIR-07
Benza (a) Pyrene (BaP)	ng/m <sup>3</sup>	01	<1.0	KLPL/SOP/AIR-07
Arsenic (As)	ng/m <sup>3</sup>	06	<1.0	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m <sup>3</sup>	20	<4.0	KLPL/SOP/AIR-10

Location & Date : NEAR WESTERN SIDE OF WEIGH BRIDGE DT- 27.03.2023 TO 28.03.2023

Sulphur Dioxide	µg/m <sup>3</sup>	80	8.50	IS 5182(PART-2) : 2001
Nitrogen Dioxide	µg/m <sup>3</sup>	80	21.40	IS 5182 (PART 6) :2006
Particulate Matter (PM10)	µg/m <sup>3</sup>	100	86.50	IS 5182(PART-23) :2006
Particulate Matter (PM2.5)	µg/m <sup>3</sup>	60	49.00	KLPL/SOP/AIR-02
Carbon Monoxide (CO) (01 Hrs.)	mg/m <sup>3</sup>	04	0.70	KLPL/SOP/AIR-19
Ozone (O3) (01 Hrs.)	µg/m <sup>3</sup>	180	21.00	KLPL/SOP/AIR-19
Lead (Pb)	µg/m <sup>3</sup>	1.0	<0.02	KLPL/SOP/AIR-10
Ammonia (NH3)	µg/m <sup>3</sup>	400	12.00	KLPL/SOP/AIR-05
Benzene (C6 H6)	µg/m <sup>3</sup>	05	<1.0	KLPL/SOP/AIR-07
Benza (a) Pyrene (BaP)	ng/m <sup>3</sup>	01	<1.0	KLPL/SOP/AIR-07
Arsenic (As)	ng/m <sup>3</sup>	06	<1.0	KLPL/SOP/AIR-10
Nickel (Ni)	ng/m <sup>3</sup>	20	<4.0	KLPL/SOP/AIR-10

Remarks :

Any unusual feature observed during determination :

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

Authorised Signatory  
 For Kalyani Laboratories Pvt. Ltd.



Page 2 of 2  
 KLPL- 361122A

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# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751033, ODISHA

## TEST REPORT



NABL ULR NO : TC704323000016323P

Test Report No : KLPL/3/23/ENVN/02208L

Issue Date : 06-April, 2023

Reference : -

Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD

Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL

Date of receipt : 29-March, 2023 Commenced On : 29-March, 2023 Completion On: 30-March, 2023

Sample Name : NOISE (AMBIENT AIR), DAY TIME

Sample Condition : -

Quantity : 4 NOS

Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR MAIN GATE, DT- 27.03.2023				
Noise Level Indl. Area (Day)	dB	75	57.8	IS 9989:1981 (RA 2014)
Location & Date : IN-FRONT OF TEMPLE, DT- 27.03.2023				
Noise Level Indl. Area (Day)	dB	75	56.2	IS 9989:1981 (RA 2014)
Location & Date : NEAR SECURITY GUARD REST ROOM, DT- 27.03.2023				
Noise Level Indl. Area (Day)	dB	75	58.5	IS 9989:1981 (RA 2014)
Location & Date : WESTERN SIDE OF WEIGH BRIDG, DT- 27.03.2023				
Noise Level Indl. Area (Day)	dB	75	61.3	IS 9989:1981 (RA 2014)

Remarks :

Any unusual feature observed during determination :

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

Authorised Signatory  
For Kalyani Laboratories Pvt. Ltd.







# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

Kalyani Laboratories

## TEST REPORT



Issue Date : 06-April, 2023

NABL ULR NO : TC704323000016323P

Test Report No : KLPL/3/23/ENVN/0220SM

Rereference : -

Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD

Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL

Date of receipt : 29-March, 2023 Commenced On : 29-March, 2023 Completion On: 30-March, 2023

Sample Name : NOISE (AMBIENT AIR), NIGHT TIME

Sample Condition : -

Quantity : 4 NOS

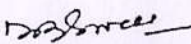
Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR MAIN GATE, DT- 27.03.2023 & 28.03.2023				
Noise Level Indl. Area (Night)	dB	70	54.9	IS 9989:1981 (RA 2014)
Location & Date : IN-FRONT OF TEMPLE, DT- 27.03.2023 & 28.03.2023				
Noise Level Indl. Area (Night)	dB	70	55.3	IS 9989:1981 (RA 2014)
Location & Date : NEAR SECURITY GUARD REST ROOM, DT- 27.03.2023 & 28.03.2023				
Noise Level Indl. Area (Night)	dB	70	56.0	IS 9989:1981 (RA 2014)
Location & Date : WESTERN SIDE OF WEIGH BRIDG, DT- 27.03.2023 & 28.03.2023				
Noise Level Indl. Area (Night)	dB	70	58.4	IS 9989:1981 (RA 2014)

Remarks :

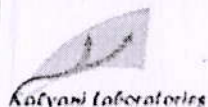
Any unusual feature observed during determination :

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

  
Authorised Signatory  
For Kalyani Laboratories Pvt. Ltd.







# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78944, MILLENNIUM CITY PALAH, BHUBANESWAR-751032, ODISHA

## TEST REPORT



NABL ULR NO : TC704323000016323P  
Test Report No : KLPL/3/23/ENVN/02208N  
Rereference : -  
Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD  
Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL  
Date of receipt : 29-March, 2023 Commenced On : 29-March, 2023 Completion On: 30-March, 2023  
Sample Name : AIR QUALITY MONITORING (FUGITIVE DUST)  
Sample Condition : GASEOUS SAMPLE ABSORBING SOLUTIONS REFRIGERATED  
Quantity : 5 NOS  
Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : ABOUT 10M AWAY FROM CEMENT FEEDING POINT DT- 28.03.2023				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	2000	1735	Guidelines of AMBIENT AIR POLLUTANTS VOL-I, V-II, CPCB
Location & Date : ABOUT 10M AWAY FROM PROCESSING AREA DT- 28.03.2023				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	2000	1874	Guidelines of AMBIENT AIR POLLUTANTS VOL-I, V-II, CPCB
Location & Date : ABOUT 10M AWAY FROM FINISHED PRODUCT OUTCOME AREA DT- 28.03.2023				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	2000	1716	Guidelines of AMBIENT AIR POLLUTANTS VOL-I, V-II, CPCB
Location & Date : ABOUT 10M AWAY FROM FINISHED PRODUCT STORAGE AREA DT- 28.03.2023				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	2000	1658	Guidelines of AMBIENT AIR POLLUTANTS VOL-I, V-II, CPCB
Location & Date : ABOUT 10M AWAY FROM DESTACKING AREA DT- 28.03.2023				
Fugitive Dust	$\mu\text{G}/\text{M}^3$	2000	1740	Guidelines of AMBIENT AIR POLLUTANTS VOL-I, V-II, CPCB

Remarks :

Any unusual feature observed during determination :

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

*Dogshra*

Authorised Signatory  
For Kalyani Laboratories Pvt. Ltd.





## TEST REPORT

NABL ULR NO : TC704323000016323P

Test Report No.: KLPL/3/23/ENVN/02208Q

Issue Date: 06.04.2023

Name and address of the Customer: M/S BALMUKUND CEMENT & ROOFINGS PVT LTD  
AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR,  
District- PURULIA, W. BENGAL



Sampling Date : 27.03.2023

Date of Sample Receipt: 29.03.2023

Testing Dt.: 29.03.2023

Test completion Dt.: 04.04.2023

Sample Description: FLY ASH FEEDING STACK

Sample Condition: NANO. of Samples: 1 No.

Sampling Method used, if any: -

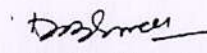
Height of stack from ground level (in meter)	: 30
Inner dimension of stack (in meter)	: 0.43
Height of port hole (in meter)	: 12.76
Atmospheric temperature (in °C)	: 34
Stack gas temperature (in °C)	: 33
Stack gas velocity (in °C)	: 6.38
Volumetric flow rate (in Nm <sup>3</sup> /hr)	: 3,243
Dust concentration (in mg/Nm <sup>3</sup> )	: 38
Emission rate (in kg/hr)	: 0.123
Name of fuel & quantity used per shift	: Process Stack
Production capacity	: 20 T/ Hour
Stack attached to	: Process Activity (Bag Filter).

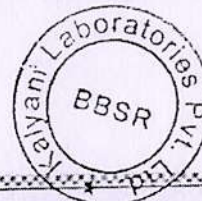
### GASES

Sulphurdioxide (in mg/Nm <sup>3</sup> ) as SO <sub>2</sub>	: -
Nitrogenoxides (in mg/Nm <sup>3</sup> ) as NO <sub>2</sub>	: -
CO % (V/V)	: < 0.2

\*REMARKS: Dust Concentration was found 38 mg/Nm<sup>3</sup> against prescribed limit of 50 mg/Nm<sup>3</sup>.

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

  
Authorized Signatory  
Kalyani Laboratories Private Limited



KLPL- 361118A



# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

## TEST REPORT

NABL ULR NO : TC704323000016323P

Test Report No.: KLPL/3/23/ENVN/02208R

Issue Date: 06.04.2023

Name and address of the Customer: M/S BALMUKUND CEMENT & ROOFINGS PVT LTD  
AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR,  
District- PURULIA, W. BENGAL



Sampling Date : 27.03.2023

Date of Sample Receipt: 29.03.2023

Testing Dt.: 29.03.2023

Test completion Dt.: 04.04.2023

Sample Description: FIBRE MILL STACK

Sample Condition: NANO. of Samples: 1 No.

Sampling Method used, if any: -

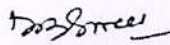
Height of stack from ground level (in meter)	: 30
Inner dimension of stack (in meter)	: 0.40
Height of port hole (in meter)	: 12.60
Atmospheric temperature (in °C)	: 34
Stack gas temperature (in °C)	: 36
Stack gas velocity (in °C)	: 6.41
Volumetric flow rate (in Nm <sup>3</sup> /hr)	: 2,797
Dust concentration (in mg/Nm <sup>3</sup> )	: 1.40
Emission rate (in kg/hr)	: 0.0039
Name of fuel & quantity used per shift	: Process Stack
Production capacity	: 1.80 T/ Hour
Stack attached to	: Process Activities (Bag Filter).

### GASES

Sulphurdioxide (in mg/Nm <sup>3</sup> ) as SO <sub>2</sub>	: -
Nitrogenoxides (in mg/Nm <sup>3</sup> ) as NO <sub>2</sub>	: -
CO % (V/V)	: < 0.2

\*REMARKS: Dust Concentration was found 1.40 mg/Nm<sup>3</sup> against prescribed limit of 02 mg/Nm<sup>3</sup>.

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

  
Authorized Signatory  
Kalyani Laboratories Private Limited





## TEST REPORT

NABL ULR NO : TC704323000016323P

Test Report No.: KLPL/3/23/ENVN/02208S

Issue Date: 06.04.2023

Name and address of the Customer: M/S BALMUKUND CEMENT & ROOFINGS PVT LTD  
AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR,  
District- PURULIA, W. BENGAL



Sampling Date : 28.03.2023

Date of Sample Receipt: 29.03.2023

Testing Dt.: 29.03.2023

Test completion Dt.: 04.04.2023

Sample Description: CEMENT FEEDING STACK

Sample Condition: NANO. of Samples: 1 No.

Sampling Method used, if any: -

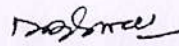
Height of stack from ground level (in meter)	: 30
Inner dimension of stack (in meter)	: 0.38
Height of port hole (in meter)	: 13
Atmospheric temperature (in °C)	: 36
Stack gas temperature (in °C)	: 35
Stack gas velocity (in °C)	: 6.49
Volumetric flow rate (in Nm <sup>3</sup> /hr)	: 2,563
Dust concentration (in mg/Nm <sup>3</sup> )	: 24
Emission rate (in kg/hr)	: 0.061
Name of fuel & quantity used per shift	: Process stack
Production capacity	: 20 T/ Hour
Stack attached to	: Cement Feeding (Bag Filter).

### GASES

Sulphurdioxide (in mg/Nm <sup>3</sup> ) as SO <sub>2</sub>	: -
Nitrogenoxides (in mg/Nm <sup>3</sup> ) as NO <sub>2</sub>	: -
CO % (V/V)	: < 0.2

\*REMARKS : - Dust Concentration was found 24 mg/Nm<sup>3</sup> against prescribed limit of 30 mg/Nm<sup>3</sup>.

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

  
Authorized Signatory  
Kalyani Laboratories Private Limited







# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/944, MILLENIUM CITY PAHAL, BHUBANESWAR-751032, ODISHA

## TEST REPORT

NABL ULR NO : TC704323000016323P

Test Report No.: KLPL/3/23/ENVN/02208T

Issue Date: 06.04.2023

Name and address of the Customer: M/S BALMUKUND CEMENT & ROOFINGS PVT LTD  
AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR,  
District- PURULIA, W. BENGAL



Sampling Date : 28.03.2023

Date of Sample Receipt: 29.03.2023

Testing Dt.: 29.03.2023

Test completion Dt.: 04.04.2023

Sample Description: D. G. SET STACK

Sample Condition: NA No. of Samples: 1 No.

Sampling Method used, if any: -

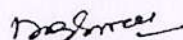
Height of stack from ground level (in meter)	: 12.19
Inner dimension of stack (in meter)	: 0.23
Height of port hole (in meter)	: 6.10
Atmospheric temperature (in °C)	: 36
Stack gas temperature (in °C)	: 196
Stack gas velocity (in °C)	: 13.36
Volumetric flow rate (in Nm <sup>3</sup> /hr)	: 1253
Dust concentration (in mg/Nm <sup>3</sup> )	: 24
Emission rate (in kg/hr)	: 0.030
Name of fuel & quantity used per shift	: HSD (160 Litre/hour)
Production capacity	: 1010 KVA
Stack attached to	: DG SET.

### GASES

Sulphurdioxide (in mg/Nm <sup>3</sup> ) as SO <sub>2</sub>	: 11
Nitrogenoxides (in mg/Nm <sup>3</sup> ) as NO <sub>2</sub>	: 34
CO % (V/V)	: < 0.2

\*REMARKS : - Dust Concentration was found 24 mg/Nm<sup>3</sup> against prescribed limit of 100 mg/Nm<sup>3</sup>.

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

  
Authorized Signatory  
Kalyani Laboratories Private Limited



KLPL- 361115A





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78944, MILL ENCLAVE CHY PAHAL, BHUBANESWAR-751033, ODISHA

## TEST REPORT



Cert No. TC-7041

Issue Date : 06-April, 2023



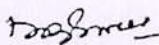
NABL ULR NO : TC704323000016323P  
Test Report No : KLPL/3/23/ENVN/022080  
Reference : -  
Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD  
Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL  
Date of receipt : 29-March, 2023 Commenced On : 29-March, 2023 Completion On: 30-March, 2023  
Sample Name : WORKZONE NOISE  
Sample Condition : -  
Quantity : 4 NOS  
Ref. To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR STACKER AREA, DT- 27.03.2023				
Noise Level Work zone. Area (Day)	dB	90	68.1	IS 9989:1981 (RA 2014)
Location & Date : NEAR DESTACKER AREA, DT- 27.03.2023				
Noise Level Work zone. Area (Day)	dB	90	72.6	IS 9989:1981 (RA 2014)
Location & Date : NEAR FIBRE MILL AREA, DT- 27.03.2023				
Noise Level Work zone. Area (Day)	dB	90	67.7	IS 9989:1981 (RA 2014)
Location & Date : NEAR D. G. SET ROOM, DT- 27.03.2023				
Noise Level Work zone. Area (Day)	dB	90	66.5	IS 9989:1981 (RA 2014)

Remarks :

Any unusual feature observed during determination :

..... End of Test Report .....

  
Authorised Signatory  
For Kalyani Laboratories Pvt. Ltd.





# KALYANI LABORATORIES PVT. LTD.

PLOT NO-78/94, MILLENIUM CITY PAHAL, BHUBANESWAR-751037, ODISHA

## TEST REPORT



NABL ULR NO : TC704323000016323P

Test Report No : KLPL/3/23/ENVN/02208P

Issue Date : 06-April, 2023

Reference : -

Customer Name : BALMUKUND CEMENT & ROOFINGS PVT LTD

Address : AT- VILLAGE MULDI, P.O.- NANDUKA, P.S.- RAGHUNATHPUR, District- PURULIA, W. BENGAL

Date of receipt : 29-March, 2023 Commenced On : 29-March, 2023 Completion On: 30-March, 2023

Sample Name : WORKZONE NOISE (NIGHT)

Sample Condition : -

Quantity : 4 NOS

Ref.To Sampling Procedure: QSP-07

Parameters	Unit	Standard Value	Results	Test Method
Location & Date : NEAR STACKER AREA, DT- 27.03.2023 & 28.03.2023				
Noise Level Work zone. Area (Night)	dB	90	67.4	IS 9989:1951 (RA 2014)
Location & Date : NEAR DESTACKER AREA, DT- 27.03.2023 & 28.03.2023				
Noise Level Work zone. Area (Night)	dB	90	71.9	IS 9989:1951 (RA 2014)
Location & Date : NEAR FIBRE MILL AREA, DT- 27.03.2023 & 28.03.2023				
Noise Level Work zone. Area (Night)	dB	90	68.6	IS 9989:1951 (RA 2014)
Location & Date : NEAR D. G. SET ROOM, DT- 27.03.2023 & 28.03.2023				
Noise Level Work zone. Area (Night)	dB	90	64.8	IS 9989:1951 (RA 2014)

Remarks :

Any unusual feature observed during determination :

End of Test Report

Authorised Signatory  
For Kalyani Laboratories Pvt. Ltd.





# BALMUKUND CEMENT & ROOFINGS PVT. LTD.

VILLAGE - MULDI, P.O. - NANDUKA, P.S. - RAGHUNATHPUR  
DIST - PURULIA, WEST BENGAL - 723145

MONITORING PERIOD - 27-03-2023 To 28-03-2023

DISPLAY BOARD FOR CRITERIA POLLUTANTS:- AAQ

RESULTS

Pollutants	Unit	Concentration in Ambient Air	Near Main Gate	In-front of Temple	Near Security Guard Rest Room	Western Side of Weigh Bridge
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	7.40	7.20	9.40	8.50
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	80	20.60	19.50	20.00	21.40
Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	100	82.00	77.00	80.50	86.50
Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	60	46.00	42.00	45.00	49.00
Ozone (O <sub>3</sub> )	µg/m <sup>3</sup>	180	21.00	20.00	22.00	21.00
Lead (Pb)	µg/m <sup>3</sup>	1.00	<0.02	<0.02	<0.02	<0.02
Carbon Monoxide (CO)	mg/m <sup>3</sup>	4.00	0.71	0.64	0.68	0.70
Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	400	12.00	11.00	13.00	12.00
Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	5	<1.0	<1.0	<1.0	<1.0
Benzo(a)Pyrene (BaP)	ng/m <sup>3</sup>	1	<1.0	<1.0	<1.0	<1.0
Arsenic (As)	ng/m <sup>3</sup>	6	<1.0	<1.0	<1.0	<1.0
Nickel (Ni)	ng/m <sup>3</sup>	20	<4.0	<4.0	<4.0	<4.0

