

Ref: HCCL/MoEF&CC/24-25/001

Date: 24.06.2024

To,
The Joint Director (S),
Ministry of Environment, Forest & Climate Change,
North Eastern Regional office,
Law-U-Sib, Lumbatnjen,
Shillong (Meghalaya) -793014

Subject: "Submission of Six Monthly Compliance Report of environmental clearance conditions of Hills Cement Company Limited at Village-Mynkree, Dist.-East Jaintia Hills, Meghalaya-793200."

Reference: Environment Clearance Letter No.: J-11011/762/2007-IA.II (I) Dated: 03.06.2009

Dear Sir,

With reference to the stipulation of Environmental Clearance, please find the enclosed herewith same for the period of 1st Oct 2023 to 31st March 2024 for Hills Cement Company Limited, Mynkree. The compliance report will be uploaded in our company website <http://www.tajcement.com/> within 15 days.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully,
For Hills Cement Company Limited


Authorized Signatory



Enclosed: Six Monthly Environmental Compliance Report & Annexure

- Copy To: 1. Member Secretary, Meghalaya State Pollution Control Board, ARDEN Lumpynogad,
Shillong (Meghalaya) -793014.
2. The Regional Director Regional Directorate (NE), Central Pollution Control Board,
Shillong (Meghalaya) -793014.



HILLS CEMENT COMPANY LIMITED

HILLS CEMENT COMPANY LTD.

Vill: Mynkree, Sub. Div.: Khliehriat, Dist: Jaintia Hills, Meghalaya

Environment Clearance Compliance Status Report

Period of Compliance: October'2023 to March'2024

Environment Clearance Letter No.: J-11011/762/2007-IA.II (I) Dated: 03.06.2009

GENERAL CONDITIONS

Sl. No.	Condition	Compliance Status
01	The project authority must adhere to the stipulations made by Meghalaya Pollution Control Board and State Government.	The CTE & CTO have been issued by Meghalaya state pollution control board. The CTO issued by Meghalaya state pollution control board has validity up to 31 th January, 2025 and the consent letters conditions are being followed strictly.
02	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	Noted and Agreed for compliance.
03	At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO ₂ and NO _x are anticipated in consultation with the Meghalaya State Pollution Control Board. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office at Shillong and Meghalaya State Pollution Control Board once in six months.	Total four ambient air quality monitoring stations (AAQMS) were set up in consultation with the Meghalaya State Pollution Control Board within plant premises and one location in Mynkree Village. 1) Near Crusher 2) Near Cement Mill 3) Near View Point 4) Worker Colony The monitoring data of the above mentioned AAQMS are within the permissible limit. Ambient air quality, Stack emissions, Fugitive emission monitoring conducted by third party (M/s Envirocon) on monthly basis and same test reports is being submitted to MoEF&CC on monthly Basis. Third Party Ambient Air Quality, Stack, Fugitive Emission monitoring reports and photo graphs of ambient air monitoring locations attached as Annexure – 1, 1(I), 1(II) & 1 (III) .
04	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May, 1993 and 31 st December 1993 or as amended from time to time. The treated wastewater should be utilized for plantation purpose.	As our cement production is a dry process technology, so no waste water has been generated from the process stream and the colony waste water is being treated in STP. The treated waste water is being utilized for dust suppression and greenbelt development. The treated waste water test reports of STP are attached as Annexure- 2 .

Sl. No.	Condition	Compliance Status
05	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 Environmental (Protection) Act. 1986 Rules. 1989, viz 75 dBA (day time) and 70dBA (night time).	<p>We have made enclosures to all possible noise sources to comply with the permissible standards.</p> <p>We are maintaining overall noise level in and around the plant area well within the prescribed standards 85 dB (A).</p> <p>The ambient noise level is maintaining well within the prescribed standards.</p> <p>In house noise level monitoring is being carried out on regular basis and the monitoring report is attached as Annexure-3.</p> <p>Third Party Monitoring Report is being carried out on monthly basis & the monitoring report is attached as Annexure-4.</p>
06	Proper housekeeping and adequate occupational health programmes must be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained. The programme must include lung function and sputum analysis tests once in six months.	<p>Proper housekeeping is being maintained & scrap items kept in separate locations.</p> <p>Regular and Periodical medical examination of workers are being conducted at our existing Occupational Health Centre. Medical examination reports of the workers are enclosed as Annexure-5.</p>
07	The company shall harvest the rainwater from the roof tops and storm water drains to recharge the ground water.	Rain Water harvesting scheme have been implemented. A copy of the installation certificate is enclosed herewith as Annexure 6 .
08	The company shall undertake eco-development measures including community welfare measures in the project area.	The Eco development Measures & community welfare measures plan had been prepared by Dr. M. Dkhar (Assistant Professor of Union Christian College) and being implemented in Mynkree village as per plan. Report of the same are being enclosed herewith as Annexure 7 .
09	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.	The Company is complying with all the protection measures and safeguards recommended by EIA/EMP report. Details of implemented environmental protection measures and safeguards recommended in the EIA/EMP enclosed herewith as Annexure 8 .
10	A separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	A separate environmental management cell has been set up.
11	Adequate funds shall be earmarked towards capital cost and recurring cost/annum for the environmental protection measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government and submit implementation schedule for all the conditions stipulated herein to the	The condition is being complied with.

Sl. No.	Condition	Compliance Status
	Regional office of this Ministry at Shillong/Central Pollution Control Board/Meghalaya State Pollution Control Board. The funds so provided shall not be diverted for any other purposes.	
12	The Regional Office of this Ministry at Shillong /Central Pollution Control Board/Meghalaya Pollution Control Board will monitor the stipulated conditions and six monthly compliance report and the monitored data along-with statistical interpretation shall be submitted to them regularly.	Compliance reports are being submitted regularly to all the concerned departments.
13	The 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.	The condition is being followed and the Ministry's Regional Office Shillong has been informed.
14	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 the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at 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 the locality concerned and a copy of the same shall be forwarded to the Regional Office at Shillong.	The condition is being complied with.
15	The Ministry or any competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions will be monitored by the Regional Office of this Ministry located at Shillong.	Noted.
16	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Noted.
17	Any appeal against this environment clearance shall be with the National Environment appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the	Noted.

Sl. No.	Condition	Compliance Status
	National Environment Appellate Act. 1997.	
18	Any other conditions or alteration in the above conditions will have to be implemented by the project authorities in a time-bound manner.	Noted.
19	The above conditions will be implemented inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted.

SPECIFIC CONDITIONS

Sl. No.	Condition	Status
01	The company should obtain necessary clearances/approval from the concerned Departments i.e. Indian Bureau of Mines, State Government, Ministry of Environment and Forests etc. for the linked mining component before undertaking any construction activity at the project site.	All required clearances and approvals have been obtained from the concerned departments.
02	Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. After expansion, limit of SPM shall be controlled within 50 mg/Nm ³ by installing adequate air pollution control system. Electrostatic precipitators (ESP) to clinker cooler and power plant and bag house to raw mill and kiln, coal mill, cement mill, packing plant, primary and secondary crusher shall be provided to control emissions within 50 mg/Nm ³ . Adequate chimney height as per CPCB guidelines shall be provided to AFBC boiler to control emissions. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit is shut down automatically.	<p>HCCL has already installed continuous on line monitoring equipment.</p> <ul style="list-style-type: none"> • The Continuous stack gaseous emissions is in working condition and 24X7 online data connectivity to CPCB & SPCB server in link to http://glenscpcb.glensserver.com. • We have installed high efficiency Electrostatic Precipitators (ESP) for cooler and pulsejet bag filters were installed and the emission level is within the limit i.e. 30 mg/Nm³. • Bag house/Bag filters were installed in raw mill/kiln, Coal mill, Clinker Stock Pile (CSP) and every transfer points. • Chimney heights were provided as per CPCB guidelines. • Latest State -of- the- art technology Pollution Control Equipment was installed at all sections to control fugitive emission. • Interlocking facility was provided, so that in the event of failure of any pollution control equipment adopted by the unit, the respective unit is shut down automatically. Online monitoring data is enclosed as Annexure- 9.

Sl. No.	Condition	Status
03	<p>Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.</p>	<p>Secondary fugitive emissions from all sources are controlled and all are within permissible limit.</p> <ul style="list-style-type: none"> • Bag house/Bag filters were already installed in raw mill/kiln, Coal mill, Clinker Stock Pile (CSP) and every transfer points. • All approach roads within the factory premises and colony areas are made cemented & bitumen and maintained properly to avoid dust deposition. • Regular monitoring for secondary fugitive emission is being done by authorized agencies. Emission levels are under control and within limits. Reports submitted by Environcon on Fugitive Emission Test are enclosed herewith as Annexure 1(II).
04	<p>The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points. Bag filters shall be installed at all material transfer points, material conveying points, cement silo and packing area. Air jet type bag filters shall be provided to raw material handling area and conveyors to control fugitive emissions. Reserve jet bag filter shall be provided to raw mill- I & II, blending silos, coal and cement grinding mill etc. Cyclones and bag filters shall be prodded at crushing areas. The material shall be transported in covered chutes or trucks. Dust suppression with water spraying shall be provided to control secondary fugitive emissions.</p>	<p>Bag Filters have been provided at all the material transfer points, material conveying points, clinker silo, limestone crushing and additive crushing area and packing area to control the fugitive emission during loading and unloading of raw materials/ intermediate and finished products.</p> <ul style="list-style-type: none"> • On road most of the areas we have installed auto water sprinkler system and rest of the area water sprinkling is being done through water tanker.  <ul style="list-style-type: none"> • All the approach roads within the factory premises and colony areas are made cemented & bitumen and maintained properly to avoid dust deposition. • HCCL ensures that transportation of raw materials and clinker are done through covered means. 

Sl. No.	Condition	Status
05	<p>Data on ambient air quality, stack emissions and fugitive emissions shall be uploaded on the Company's website and also regularly submitted on-line to the Ministry's Regional Office at Shillong, Meghalaya Pollution Control Board (MPCB) and Central Pollution Control Board (CPCB) as well as hard copy once in six months Data on SPM, SO₂ and NO₂ shall also be displayed prominently outside the premises at the appropriate place for the information of general public.</p>	<ul style="list-style-type: none"> The environmental data (ambient air quality, stack emissions and fugitive emissions) is uploaded on our official website i.e. http://www.tajcement.com/ Latest Emission parameters data of PM_{2.5}, PM₁₀, SO₂ and NO_x has been displayed on digital display board outside of the plant premises near security entrance gate no. 2. Photograph enclosed as Annexure- 10. Third Party Ambient Air Quality, Stack, Fugitive Emission monitoring reports and photo graphs of ambient air monitoring locations attached as Annexure - 1, 1(I), 1(II) & 1 (III).
06	<p>Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw Materials, including fly ash shall be transported in closed containers only and should not be overloaded. Vehicular emission shall be regularly monitored.</p>	<p>All raw material as well as finished products are loaded as per the capacity and transported only in closed containers and covered vehicles.</p>  <p>Vehicular emissions are being monitored by the company on regular interval. The Copy of Pollution Test Certificate are enclosed herewith as Annexure 11.</p>
07	<p>Total water requirement from underground natural springs should not exceed 300 m³/day. All the effluent from DM plant shall be properly treated in the neutralization pit and all the treated wastewater along-with boiler blow down shall be recycled and reused in the process and/or for ash conditioning, dust suppression, green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and zero discharge shall be adopted. Domestic treated water shall be treated in Sewage Treatment Plant (STP) and used for the green belt development. No wastewater shall be discharged into any stream/river and 'Zero' discharge shall be adopted.</p>	<p>Daily water consumption from underground natural spring is within the limit. Domestic sewage is treated in STP and treated water is reused for green-belt development and to dust suppress. No waste water is discharged into any stream/river or outside the factory premises.</p>  <p>The treated water quality analysis reports of STP attached as Annexure 2.</p>
08	<p>Prior permission for the drawl of 1,500 m³/day shall be obtained from concerned Department.</p>	<p>The Company has already received the NOC from CGWA for usage of ground water NOC No CGWA/NOC/IND/ORIG/2021/13291 valid up to 27.01.2027. The copy of NOC is enclosed herewith as Annexure 12.</p>

Sl. No.	Condition	Status
09	All the bag filter dust, raw mill dust, Coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Ash from CPP shall be collected in various hoppers of dust collection system and transported pneumatically to silos for further utilization in cement manufacturing. Bottom ash shall be used as bed material in the AFBC boiler. Municipal Solid waste from plant and colony shall be segregated and separated as combustible and non-combustible wastes. Combustible wastes along-with spent oil shall be used as fuel in the kiln. Non-combustible wastes shall be land filled for Composting and non-compostable waste shall be sold to authorized recycling vendors. Sewage sludge Shall be used as manure. Spent oil and batteries shall be sold to authorized recyclers / re-processors only.	<ul style="list-style-type: none"> • Currently only clinker & Cement production has been commissioned. HCCL currently not propose to install captive power plant. • All the bag filter dust, raw mill dust and coal dust is being recycled and reused in the process and used for clinker manufacturing. • STP sludge is being used as manure in greenbelt development. • All the municipal solid waste (MSW) generated in residential colony and industry is being disposed. Combustible wastes are used as fuel in the kiln and non-combustible wastes are used for land filling at identified sites. • Spent oil & Used grease are being used in kiln. • Batteries are being sold to authorized recyclers only.
10	All the fly-ash shall be utilized as per Fly-ash Notification, 1999, subsequently amended in 2003. Efforts shall be made to use fly-ash maximum in manufacturing Pozollona Portland Cement (PPC)	Fly ash is being utilized as per the Fly-ash Notification, 1999, subsequently amended in 2003. We use 18% to 30% of fly ash in the manufacturing of Pozollona Portland Cement (PPC)
11	Efforts shall be made to use low grade lime, more fly-ash and solid waste in the cement manufacturing.	The dust collected in the bag filters are being recycled and reused in cement manufacturing. 18% to 30% of fly ash is used in the manufacturing of PPC. Moreover, incidental limestone is being used to produce clinker which is a low-grade lime generated at project stage.
12	An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly.	The Company is using high calorific hazardous waste from various Pharmaceutical companies located at Sikkim.
13	As proposed, green belt shall be developed in at least 20 ha. (40%) out of 55.54 ha. area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions, in consultation with local DFO.	Green belt is being developed around the plant area as per CPCB guidelines and in consultation with the local DFO/Forest department. The Green Belt has been demarcated with fencing and sign board for more than 20 ha area. Several local plant species are also planted to develop the belt. Photographs of the Green Belt developed are enclosed herewith as Annexure 13 .
14	All the recommendations made in the Charter on Corporate Responsibility, for Environment Protection (CREP) for the Cement Plants shall be implemented.	All the recommendations made in the Charter on Corporate Responsibility, for Environment Protection (CREP) for the Cement Plants are being followed.
15	The Company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilet, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Proper housing with all necessary infrastructure and facilities such as fuel for cooking, toilets, safe drinking water, medical health care etc. were provided to the construction labours within the site. The temporary structures of the housing were removed after the completion of the project.

Sl. No.	Condition	Status
16	All the issues raised during the Public Hearing/Public Consultation meeting and commitments made shall be satisfactorily implemented.	All the issues raised during the Public Hearing/Public Consultation meeting and commitments were satisfactorily implemented and the report had already submitted to MOEF&CC, Shillong.
17	<p>Ref. File No J-11011/2007-1A.II(I), Government of India, Ministry of Environment Forest and Climatic Change (Impact Assessment Division, Subject: Cement Plant (Cement 3000TPD & Clinker 2500TPD) coal based Captive TPP (10MW) near 116 Km Stone, NH 44 Village Mynkree PO Khliehriat, Jaintia Hills, Meghalaya by M/S Hills Cement Company Ltd Amendment in Environment Clearance for prevention of Acid mine Drainage (AMD) by virtue of Recommendation of NGT Committee in the Master of Threat to life arising out of coal mining in South Garo Hills District vs Meghalaya&Ores in OA No 110(THC)/2012 OA No 73/2014, OA No 13/2014, OA No 186/2014 and OA No 287/2017 etc</p> <p>Recommendation: Storage areas/stockpiles for coal in the unit shall be covered and shall have impervious flooring. Garland drains shall be provided around the storage area /stockpiles to arrest the seepage water from coal yard. The seepage water thus collected shall be treated to meet industry specific/general discharges norms for water quality as applicable. In this regard the compliance status shall be furnished to the regional Office periodically along with the six monthly compliance reports.</p>	<p>Following action have been taken by us in response of this Amendment in Environment Clearance for provision of AMD.</p> <ol style="list-style-type: none"> 1 Floor of the coal yard is made of concrete. 2 The coal yard is surrounded with proper drainage system for the passage of water. 3 Neutralizing Pits provision has been undertaken for water treatment. Photo of coal yard and neutralizing pit & water test reports enclosed herewith as Annexure-14.

Report No.: ENV/HCLL/23-24/AA-10/01

Date : 04/11/2023

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	In-front of Guest House	13.10.2023	25.3	53.7	<5.0	<6.0
02	Near Crusher Area	13.10.2023	35.8	57.4	7.9	8.9
03	In- Front of Compressor House (Cement Mill)	14.10.2023	37.2	55.1	7.4	8.1
04	Near Mines	14.10.2023	29.4	52.9	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

Report No.: ENV/HCLL/23-24/AA-11/01
Date : 11/12/2023

Order No.: HCLL/HO/ENV/21-22/01
Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	In-front of Guest House	29.11.2023	25.8	47.1	<5.0	<6.0
02	Near Crusher Area	29.11.2023	37.2	52.5	7.1	7.9
03	In- Front of Compressor House (Cement Mill)	30.11.2023	40.6	56.9	7.4	8.3
04	Near Mines	30.11.2023	36.3	53.1	<5.0	<6.0

Analysis Protocol: IS 5182



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Report No.: ENV/HCCL/23-24/AA-12/01
Date : 10/01/2024

Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	In-front of Guest House	25.12.2023	26.3	52.7	<5.0	<6.0
02	Near Crusher Area	25.12.2023	32.7	53.1	7.5	8.2
03	In- Front of Compressor House (Cement Mill)	26.12.2023	34.6	54.6	7.4	7.8
04	Near Mines	26.12.2023	30.9	50.2	<5.0	<6.0

Analysis Protocol: IS 5182



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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/HCCL/23-24/AA-01/01
Date : 05/02/2024

Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	In-front of Guest House	16.01.2024	27.5	55.8	<5.0	<6.0
02	Near Crusher Area	16.01.2024	34.2	59.2	7.7	8.6
03	In- Front of Compressor House (Cement Mill)	17.01.2024	38.6	57.3	7.6	8.3
04	Near Mines	17.01.2024	31.3	54.9	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/HCCL/23-24/AA-02/01

Date : 08/03/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	In-front of Guest House	22.02.2024	29.3	57.2	<5.0	<6.0
02	Near Crusher Area	22.02.2024	36.7	58.4	7.9	8.8
03	In- Front of Compressor House (Cement Mill)	23.02.2024	39.1	58.7	7.7	8.5
04	Near Mines	23.02.2024	32.4	56.3	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/HCLL/23-24/AA-03/01

Date : 09/04/2024

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	In-front of Guest House	17.03.2024	26.3	51.3	<5.0	<6.0
02	Near Crusher Area	17.03.2024	31.4	53.8	7.9	8.6
03	In- Front of Compressor House (Cement Mill)	18.03.2024	34.8	54.7	7.4	7.9
04	Near Mines	18.03.2024	32.9	50.2	<5.0	<6.0

Analysis Protocol: IS 5182



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs

Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/HCLL/23-24/SE-10/03

Date : 04/11/2023

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2023/SE-10/03		
02	Date of Sampling	14.10.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	R.A.B.H.		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	173		
07	Exit Velocity of Gas (m/sec)	20.7		
08	Flow Rate (Nm ³ /hr)	352000		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	791	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	243	mg/Nm ³	800

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/HCLL/23-24/SE-10/01

Date : 04/11/2023

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCLL/2023/SE-10/01		
02	Date of Sampling	13.10.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E.S.P.		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	225		
07	Exit Velocity of Gas (m/sec)	9.2		
08	Flow Rate (Nm ³ /hr)	122050		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	BDL#	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	BDL#	mg/Nm ³	800

*NA: Not Applicable

#BDL: Below Detectable Limit



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Report No.: ENV/HCLL/23-24/SE-10/02

Date : 04/11/2023

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2023/SE-10/02		
02	Date of Sampling	13.10.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	53		
07	Exit Velocity of Gas (m/sec)	10.8		
08	Flow Rate (Nm ³ /hr)	40201		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	22	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	587	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	196	mg/Nm ³	800



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Report No.: ENV/HCLL/23-24/SE-11/01

Date : 11/12/2023

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2023/SE-11/01		
02	Date of Sampling	29.11.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	R.A.B.H.		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	179		
07	Exit Velocity of Gas (m/sec)	17.2		
08	Flow Rate (Nm ³ /hr)	288601		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	694	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	346	mg/Nm ³	800

*NA: Not Applicable



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Report No.: ENV/HCLL/23-24/SE-11/03

Date : 11/12/2023

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCLL/2023/SE-11/03		
02	Date of Sampling	30.11.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E.S.P.		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	227		
07	Exit Velocity of Gas (m/sec)	9.2		
08	Flow Rate (Nm ³ /hr)	121562		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	27	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	BDL#	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	BDL#	mg/Nm ³	800

*NA: Not Applicable

#BDL: Below Detectable Limit



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Report No.: ENV/HCLL/23-24/SE-11/02

Date : 11/12/2023

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCLL/2023/SE-11/02		
02	Date of Sampling	29.11.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	51		
07	Exit Velocity of Gas (m/sec)	11.3		
08	Flow Rate (Nm ³ /hr)	42321		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	25	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	571	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	263	mg/Nm ³	800



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Report No.: ENV/HCLL/23-24/SE-12/01

Date : 10/01/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2023/SE-12/01		
02	Date of Sampling	25.12.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	R.A.B.H.		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	175		
07	Exit Velocity of Gas (m/sec)	20.3		
08	Flow Rate (Nm ³ /hr)	343657		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	716	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	303	mg/Nm ³	800

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/HCCL/23-24/SE-09/03

Date : 10/01/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2023/SE-09/03		
02	Date of Sampling	26.12.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E.S.P.		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	231		
07	Exit Velocity of Gas (m/sec)	12.6		
08	Flow Rate (Nm ³ /hr)	135825		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	BDL#	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	BDL#	mg/Nm ³	800

NA: Not Applicable*#BDL: Below Detectable Limit**Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/HCCL/23-24/SE-12/02

Date : 10/01/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2023/SE-12/02		
02	Date of Sampling	25.12.2023		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	52		
07	Exit Velocity of Gas (m/sec)	11.6		
08	Flow Rate (Nm ³ /hr)	43311		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	23	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	567	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	210	mg/Nm ³	800



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/HCLL/23-24/SE-01/03

Date : 05/02/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2024/SE-01/03		
02	Date of Sampling	17.01.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	R.A.B.H.		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	175		
07	Exit Velocity of Gas (m/sec)	19.3		
08	Flow Rate (Nm ³ /hr)	326728		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	26	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	728	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	266	mg/Nm ³	800

*NA: Not Applicable



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Report No.: ENV/HCL/23-24/SE-01/02
Date : 05/02/2024

Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2024/SE-01/02		
02	Date of Sampling	16.01.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E.S.P.		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	227		
07	Exit Velocity of Gas (m/sec)	10.3		
08	Flow Rate (Nm ³ /hr)	136097		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	27	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	BDL#	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	BDL#	mg/Nm ³	800

*NA: Not Applicable

#BDL: Below Detectable Limit



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Report No.: ENV/HCLL/23-24/SE-01/01

Date : 05/02/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2024/SE-01/01		
02	Date of Sampling	16.01.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	52		
07	Exit Velocity of Gas (m/sec)	11.3		
08	Flow Rate (Nm ³ /hr)	42191		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	493	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	141	mg/Nm ³	800



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Report No.: ENV/HCLL/23-24/SE-02/03

Date : 08/03/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2024/SE-02/03		
02	Date of Sampling	23.02.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	R.A.B.H.		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	173		
07	Exit Velocity of Gas (m/sec)	18.2		
08	Flow Rate (Nm ³ /hr)	309488		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	716	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	260	mg/Nm ³	800

*NA: Not Applicable



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/HCL/23-24/SE-02/02

Date : 08/03/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2024/SE-02/02		
02	Date of Sampling	22.02.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E.S.P.		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	228		
07	Exit Velocity of Gas (m/sec)	10.2		
08	Flow Rate (Nm ³ /hr)	136097		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	26	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	BDL#	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	BDL#	mg/Nm ³	800

*NA: Not Applicable

#BDL: Below Detectable Limit



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/HCLL/23-24/SE-02/01

Date : 08/03/2024

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCLL/2024/SE-02/01		
02	Date of Sampling	22.02.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	53		
07	Exit Velocity of Gas (m/sec)	11.3		
08	Flow Rate (Nm ³ /hr)	42062		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	516	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	144	mg/Nm ³	800



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs

Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/HCLL/23-24/SE-03/01

Date : 09/04/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2024/SE-03/01		
02	Date of Sampling	17.03.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	R.A.B.H.		
05	Stack Diameter (Meter)	3.0		
06	Flue Gas Temperature (°C)	176		
07	Exit Velocity of Gas (m/sec)	20.2		
08	Flow Rate (Nm ³ /hr)	341203		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	728	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	266	mg/Nm ³	800

*NA: Not Applicable



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Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/HCCL/23-24/SE-03/03

Date : 09/04/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCCL/2024/SE-03/03		
02	Date of Sampling	18.03.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Cooler E.S.P.		
05	Stack Diameter (Meter)	2.8		
06	Flue Gas Temperature (°C)	233		
07	Exit Velocity of Gas (m/sec)	11.3		
08	Flow Rate (Nm ³ /hr)	147540		
09	Type of Fuel Used	NA*		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	24	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	BDL#	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	BDL#	mg/Nm ³	800

*NA: Not Applicable

#BDL: Below Detectable Limit

Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs**Associate Services:** Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/HCLL/23-24/SE-03/02

Date : 09/04/2024

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

STACK EMISSION TEST RESULTS

01	Test Ref. No.	HCLL/2024/SE-03/02		
02	Date of Sampling	17.03.2024		
03	Material of Construction	M. S.		
04	Stack Attached To	Coal Mill		
05	Stack Diameter (Meter)	1.2		
06	Flue Gas Temperature (°C)	53		
07	Exit Velocity of Gas (m/sec)	11.8		
08	Flow Rate (Nm ³ /hr)	43923		
09	Type of Fuel Used	Coal		
Analysis Results of Flue Gas				
Sl. No.	Parameter(s)	Result(s)	Unit(s)	Limit(s)
i.	Particulate Matter	21	mg/Nm ³	30
ii.	Sulphur Dioxide (as SO ₂)	582	mg/Nm ³	1000
iii.	Oxides of Nitrogen (as NO _x)	205	mg/Nm ³	800



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Report No.: ENV/HCLL/23-24/FE-12/01

Date : 10/01/2024

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

PROCESS FUGITIVE EMISSION TEST RESULTS

Date	Locations	Fugitive Emission Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
25.12.2023	Coal Storage Section	478	2000
25.12.2023	Lime Stone Storage Section	1587	5000
26.12.2023	Fly-ash Storage Section	1969	5000
26.12.2023	Cement Packing Section	2183	5000



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/HCLL/23-24/FE-03/01

Date : 09/04/2024

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

PROCESS FUGITIVE EMISSION TEST RESULTS

Date	Locations	Fugitive Emission Results for SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
17.03.2024	Coal Storage Section	471	2000
17.03.2024	Lime Stone Storage Section	1543	5000
18.03.2024	Fly-ash Storage Section	1962	5000
18.03.2024	Cement Packing Section	2139	5000



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Ambient Air Quality Monitoring Stations

AAQMS No.-1
Location – Near Crusher
Latitude- 25°13'27.8"N
Longitude- 92°23'18.6"E



AAQMS No.-2
Location – Near Cement Mill
Latitude- 25°13'38.7"N
Longitude- 92°23'11.6"E



AAQMS No.-3
Location – Near View Point
Latitude- 25°13'25.3"N
Longitude- 92°23'03.3"E



AAQMS No.-4
Worker Colony
Latitude- 25°13'39.2"N
Longitude- 92°22'51.8"E





Report No.: ENV/HCLL/23-24/WW-10/01

Date : 04/11/2023

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : HCCL/2023/WW-1510/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 15.10.2023
Sample Received On : 17.10.2023
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	7.23	5.5 – 9.0
2.	Temperature	°C	26.3	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	33	100
4.	Biochemical Oxygen Demand	mg/l	21	30
5.	Chemical Oxygen Demand	mg/l	91	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	2.8	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	9.7	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/HCLL/23-24/WW-11/01

Date : 11/12/2023

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : HCCL/2023/WW-3011/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 30.11.2023
Sample Received On : 02.12.2023
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.83	5.5 – 9.0
2.	Temperature	°C	25.6	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	31	100
4.	Biochemical Oxygen Demand	mg/l	23	30
5.	Chemical Oxygen Demand	mg/l	89	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	4.6	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	12.2	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/HCLL/23-24/WW-12/01

Date : 10/01/2024

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : HCCL/2023/WW-2612/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 26.12.2023
Sample Received On : 29.12.2023
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.84	5.5 – 9.0
2.	Temperature	°C	26.3	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	35	100
4.	Biochemical Oxygen Demand	mg/l	23	30
5.	Chemical Oxygen Demand	mg/l	103	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	4.9	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	12.6	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/HCCL/23-24/WW-01/01
Date : 05/02/2024

Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : HCCL/2024/WW-1701/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 17.01.2024
Sample Received On : 20.01.2024
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	7.19	5.5 – 9.0
2.	Temperature	°C	25.4	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	31	100
4.	Biochemical Oxygen Demand	mg/l	23	30
5.	Chemical Oxygen Demand	mg/l	93	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	3.2	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	9.5	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/HCLL/23-24/WW-02/01
Date : 08/03/2024

Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : HCCL/2024/WW-2302/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 23.02.2024
Sample Received On : 26.02.2024
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	7.14	5.5 – 9.0
2.	Temperature	°C	24.4	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	32	100
4.	Biochemical Oxygen Demand	mg/l	24	30
5.	Chemical Oxygen Demand	mg/l	91	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	3.6	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	9.4	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



Checked By: Mr. Pankaj Baroi, **ENVIROCON**

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Report No.: ENV/HCCL/23-24/WW-03/01

Date : 09/04/2024

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

WASTE WATER ANALYSIS RESULTS

Sample Ref. No. : HCCL/2024/WW-1803/01
Sample Type/Source : Waste Water (Treated)/STP Outlet
Sample Collected By : Representative of ENVIROCON
Sample Collected On : 18.03.2024
Sample Received On : 22.03.2024
Analysis Protocol : IS 3025

Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit (As Per CPCB Standards)
1.	pH	--	6.76	5.5 – 9.0
2.	Temperature	°C	25.1	shall not exceed 5°C above the receiving water temperature
3.	Total Suspended Solids	mg/l	34	100
4.	Biochemical Oxygen Demand	mg/l	23	30
5.	Chemical Oxygen Demand	mg/l	97	250
6.	Oil & Grease	mg/l	<4.0	10
7.	Total Residual Chlorine	mg/l	<0.01	1.0
8.	Ammonical Nitrogen (as N)	mg/l	4.5	50
9.	Total Kjeldahl Nitrogen (as NH ₃)	mg/l	12.1	100
10.	Free Ammonia (as NH ₃)	mg/l	<0.01	5.0



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Hills Cement Company Limited

Noise Level Monitoring Report

Month : Oct'2023 – March'2023 (All values in Db(A)

Location	October -2023		November- 2023		December - 2023		January -2024		February- 2024		March - 2024	
	Day	Night	Day	Night	Day	Night	Day	Day	Day	Night	Day	Night
Kiln	62.8	52.4	63.3	58.0	66.2	60.9	63.4	58.2	70.3	64.4	73.6	67.7
Raw Mill	61.3	50.9	62.1	56.4	65.1	59.4	61.9	56.5	69.0	62.7	72.3	66.0
Raw Mill WF	61.8	52.3	63.0	58.0	66.0	60.9	62.4	58.1	70.0	64.4	73.3	67.7
Coal Mill	60.3	48.5	60.0	54.0	63.0	57.0	60.9	53.9	66.7	60.0	70.0	63.3
Cement Mill	59.6	50.6	62.5	56.3	65.2	59.1	60.2	56.2	69.4	62.6	72.4	65.7
Cement Mill WF	59.9	51.4	61.3	57.2	64.1	59.9	60.5	57.1	68.1	63.5	71.2	66.6
Primary Crusher	58.6	50.9	61.7	56.6	64.5	59.4	59.2	56.5	68.6	62.9	71.7	66.0
Secondary Crusher	61.7	51.8	63.2	57.5	65.9	60.3	62.3	57.5	70.2	63.9	73.2	67.0
Control Room	51.9	42.3	53.7	44.8	59.4	50.6	52.4	47.0	59.7	49.8	66.0	56.2
CCR	53.2	44.2	56.1	47.7	60.8	52.6	53.7	49.1	62.3	53.0	67.6	58.4
Meeting Room	51.5	41.5	52.4	44.9	57.2	49.9	52.0	46.1	58.2	49.9	63.6	55.4
Unit Head Room	48.3	39.1	50.0	42.5	54.7	47.3	48.8	43.4	55.5	47.2	60.8	52.6
Inst. Shift Room	57.5	44.4	57.0	47.9	61.7	52.7	58.1	49.3	63.3	53.2	68.6	58.6
Drawing Office	63.0	57.0	60.9	53.9	66.7	60.0	70.0	63.3	63.0	57.0	63.0	57.0
a)Chemical Lab	60.7	51.4	62.6	55.3	67.2	59.9	61.3	57.1	69.6	61.4	74.7	66.6
b)Physical Lab	62.4	53.2	61.3	53.9	65.9	58.6	63.0	59.1	68.1	59.9	73.2	65.1
c)Shift Lab	55.4	45.4	58.4	49.1	63.1	53.7	56.0	50.4	64.9	54.5	70.1	59.7
Dispensary	43.7	28.2	41.9	35.6	46.1	40.0	44.1	31.3	46.5	39.6	51.2	44.4
Colony (DGM)	45.3	29.4	42.9	37.2	47.2	41.4	45.8	32.7	47.7	41.3	52.4	46.0
Executive Building	45.3	29.0	43.2	36.6	47.4	40.9	45.8	32.2	48.0	40.7	52.7	45.4

Report No.: ENV/HCLL/23-24/N-10/01

Date : 04/11/2023

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day Time		Night Time	
			L _{eq} (dB-A)	Limit (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	In-front of Guest House	13.10.2023	59.1	75	51.8	70
2	Near Crusher Area	13.10.2023	70.2	75	65.4	70
3	In- Front of Compressor House (Cement Mill)	14.10.2023	69.6	75	67.2	70
4	Near Mines	14.10.2023	61.7	75	55.7	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Report No.: ENV/HCLL/23-24/N-11/01

Date : 11/12/2023

Order No.: HCCL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day Time		Night Time	
			L _{eq} (dB-A)	Limit (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	In-front of Guest House	29.11.2023	53.6	75	46.2	70
2	Near Crusher Area	29.11.2023	68.3	75	63.7	70
3	In- Front of Compressor House (Cement Mill)	30.11.2023	70.4	75	67.5	70
4	Near Mines	30.11.2023	56.3	75	51.8	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

Report No.: ENV/HCLL/23-24/N-12/01

Date : 10/01/2024

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day Time		Night Time	
			L _{eq} (dB-A)	Limit (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	In-front of Guest House	25.12.2023	55.7	75	48.9	70
2	Near Crusher Area	25.12.2023	70.1	75	65.7	70
3	In- Front of Compressor House (Cement Mill)	26.12.2023	71.3	75	66.5	70
4	Near Mines	26.12.2023	53.4	75	47.1	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
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Report No.: ENV/HCLL/23-24/N-01/01
Date : 05/02/2024

Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day Time		Night Time	
			L _{eq} (dB-A)	Limit (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	In-front of Guest House	16.01.2024	61.3	75	56.7	70
2	Near Crusher Area	16.01.2024	71.1	75	64.6	70
3	In- Front of Compressor House (Cement Mill)	17.01.2024	70.3	75	66.8	70
4	Near Mines	17.01.2024	58.5	75	53.4	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

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2. Results refer only to the particular parameters tested.
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Report No.: ENV/HCLL/23-24/N-02/01
Date : 08/03/2024

Order No.: HCCL/HO/ENV/21-22/01
Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**
Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day Time		Night Time	
			L _{eq} (dB-A)	Limit (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	In-front of Guest House	22.02.2024	62.3	75	57.2	70
2	Near Crusher Area	22.02.2024	72.4	75	66.8	70
3	In- Front of Compressor House (Cement Mill)	23.02.2024	71.6	75	67.4	70
4	Near Mines	23.02.2024	59.2	75	55.3	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

Report No.: ENV/HCLL/23-24/N-03/01

Date : 09/04/2024

Order No.: HCLL/HO/ENV/21-22/01

Date : 08/04/2021

Report Issued To : **HILLS CEMENT COMPANY LIMITED**

Village: Mynkree, 116 KM Stone, NH-44, Sub Division: Khliehriat, Dist.: Jaintia Hills, Meghalaya

NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date Of Measurement	Day Time		Night Time	
			L _{eq} (dB-A)	Limit (dB-A)	L _{eq} (dB-A)	Limit (dB-A)
1	In-front of Guest House	17.03.2024	55.1	75	48.3	70
2	Near Crusher Area	17.03.2024	70.3	75	65.4	70
3	In- Front of Compressor House (Cement Mill)	18.03.2024	71.6	75	66.8	70
4	Near Mines	18.03.2024	53.4	75	48.3	70



Checked By: Mr. Pankaj Baroi, ENVIROCON

NOTE:

1. Results reported are valid at the time of and under the prevailing conditions of measurement.
2. Results refer only to the particular parameters tested.
3. This test report shall not be reproduced except in full, without the written permission of ENVIROCON, I.O.C.L (AOD) New Market, Digboi – 786171, Assam.

BP: 118/71.

Annexure-5

~~ANNEXURE 7~~

MEDICAL CERTIFICATE (to be issued by a Registered Medical Practitioner)				
GENERAL EXPECTATIONS				
Candidates should have good general physique. In particular, Chest measurement should not be less than 70 cm, with satisfactory limits of expansion and contraction. Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye. Colour blind and unocular(having vision in only one eye)persons are restricted from admission to certain courses. Hearing should be normal. Defective hearing should be corrected. Heart and lungs should not have any abnormality and there should be no history of mental illness and epileptic fits.				
1	Name of the candidate: HITESH KUMAR PRAJAPAT			
2	Identification Mark (a mole, scar or birthmark), if any. Scar mark on the rt lop of the eye.			
3	Major illness/operation, if any (specify nature of illness/operation) NO.			
4	Height in cm	Weight in Kg	Blood Group	
	183cm	64.Kg.	O+	
5	Past History	(a) Mental illness (b) Epileptic Fit	Normal.	
6	Chest (a) Inspiration in cm	90cm	(b) Expiration in cm	80cm.
7	Hearing	Normal. B/L TM intaur		
8	Vision with or without glasses: ✓	Right Eye 6/6	Left Eye 6/6.	Colour Blindness - NO -
				Unocular vision (having vision in only one eye) - NO -
9	Respiratory System	B/L clear.		
10	Nervous System	Oriented, conscious, moving all limbs.		
11	Heart	(a) Sounds Normal.	(b) Murmur	NO.
12	Abdomen (a) Liver (b) Spleen	Hernia	Hydrocele	
	Normal from rt side	-	-	
13	Any other defects: None.			
Certificate of Medical Fitness				
<input checked="" type="checkbox"/> The candidate fulfils the prescribed standard physical fitness, medical fitness and is FIT for admission to Engineering/Architecture/ Pharmaceutics/ Science Course <input type="checkbox"/> The candidate does not fulfil the prescribed standard of physical fitness/medical fitness and is unfit/temporarily unfit for admission due to following defects:				
Dr. Bikram Das Name of the Doctor		 Signature		28934 Registration number
			Dr. Bikram Das Reg. No. 28934 Medical Officer	
			 Seal	

OHC Hills Cement Co. Limited

BP - 129/74 mm/Hg

ANNEXURE-5
~~ANNEXURE 7~~

MEDICAL CERTIFICATE (to be issued by a Registered Medical Practitioner)				
GENERAL EXPECTATIONS				
Candidates should have good general physique. In particular, Chest measurement should not be less than 70 cm, with satisfactory limits of expansion and contraction. Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye. Colour blind and unocular(having vision in only one eye) persons are restricted from admission to certain courses. Hearing should be normal. Defective hearing should be corrected. Heart and lungs should not have any abnormality and there should be no history of mental illness and epileptic fits.				
1	Name of the candidate: YUGAL KISHORE SINGH			
2	Identification Mark (a mole, scar or birthmark), if any Mole on the Scar mark on the left hand index finger			
3	Major illness/operation, if any (specify nature of illness/operation) No. H/O: TB, TTH.			
4	Height in cm:	Weight in kg:	Blood Group:	
	161 cm.	75.9 Kg	O ⁺	
5	Past History	(a) Mental illness } Normal! (b) Epileptic Fit		
6	Chest (a) Inspiration in cm	101 cm	(b) Expiration in cm	96 cm
7	Hearing Normal. G/TM intact			
8	Vision with or without glasses:	Right Eye 6/6	Left Eye 6/6	Colour Blindness - NO -
				Unocular vision (having vision in only one eye) NO -
9	Respiratory System	B/L clear. VBS (+)		
10	Nervous System oriental, conscious, moving all limbs			
11	Heart	(a) Sounds	(b) Murmur	
		Normal	No	
	(a) Liver	Normal		
13	Any other defects: None.			
Certificate of Medical Fitness				
<input checked="" type="checkbox"/> The candidate fulfils the prescribed standard physical fitness, medical fitness and is FIT for admission to Engineering/Architecture/ Pharmaceuticals/ Science Course <input type="checkbox"/> The candidate does not fulfil the prescribed standard of physical fitness/medical fitness and is unfit/temporarily unfit for admission due to following defects:				
Name of the Doctor		Signature	Registration number	Seal
Dr. Bikram Das			28934	 Dr. Bikram Das Reg No. 28934 Medical Officer OHC Hills Cement Co. Limited

B.P
131/80

ANNEXURE-5
~~ANNEXURE 7~~

MEDICAL CERTIFICATE (to be issued by a Registered Medical Practitioner)				
GENERAL EXPECTATIONS				
Candidates should have good general physique. In particular, Chest measurement should not be less than 70 cm, with satisfactory limits of expansion and contraction. Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye. Colour blind and unocular(having vision in only one eye)persons are restricted from admission to certain courses. Hearing should be normal. Defective hearing should be corrected. Heart and lungs should not have any abnormality and there should be no history of mental illness and epileptic fits.				
1	Name of the candidate: <i>Ms. Santpal Choudhury</i>			
2	Identification Mark (a mole, scar or birthmark), if any <i>A mole on neck.</i>			
3	Major illness/operation, if any (specify nature of illness/operation) <i>NO</i>			
4	Height in cm: <i>175 cm</i> • Weight in kg: <i>74 kg</i> • Blood Group: <i>O +ve</i>			
5	Past History	(a) Mental illness (b) Epileptic Fits <i>Normal</i>		
6	Chest (a) Inspiration in cm <i>102 cm</i> (b) Expiration in cm <i>92 cm</i>			
7	Hearing <i>Normal</i>			
8	Vision with or without glasses:	Right Eye <i>6/6</i>	Left Eye <i>6/6</i>	Colour Blindness <i>- NO -</i>
				Unocular vision (having vision in only one eye) <i>NO -</i>
9	Respiratory System <i>ok clear</i> • <i>VD 5+</i>			
10	Nervous System <i>Oriental. Conscious. moving all 4 limbs.</i>			
11	Heart	(a) Sounds <i>Normal</i>	(b) Murmur <i>NO</i>	
12	Abdomen	Hernia	Hydrocele	
	(a) Liver (b) Spleen	<i>Normal</i>		
13	Any other defects: <i>- None -</i>			
Certificate of Medical Fitness				
<input checked="" type="checkbox"/> The candidate fulfils the prescribed standard physical fitness, medical fitness and is FIT for admission to Engineering/Architecture/Pharmaceutics/Science Course <input type="checkbox"/> The candidate does not fulfil the prescribed standard of physical fitness/medical fitness and is unfit/temporarily unfit for admission due to following defects:				
<i>Dr. Bikram Das</i>		<i>[Signature]</i>		<i>28934</i>
Name of the Doctor	Signature	Registration number	Seal	Dr. Bikram Das Reg No. 28934 Medical Officer

BP - 143/89 mm/Hg


Annexure-5

~~ANNEXURE 7~~

MEDICAL CERTIFICATE (to be issued by a Registered Medical Practitioner)				
GENERAL EXPECTATIONS				
Candidates should have good general physique. In particular, Chest measurement should not be less than 70 cm, with satisfactory limits of expansion and contraction. Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye. Colour blind and unocular (having vision in only one eye) persons are restricted from admission to certain courses. Hearing should be normal. Defective hearing should be corrected. Heart and lungs should not have any abnormality and there should be no history of mental illness and epileptic fits.				
1	Name of the candidate: <u>Lovendra Singh Pathwa</u>			
2	Identification Mark (a mole, scar or birthmark), if any <u>Black Mole on Right hand</u>			
3	Major illness/operation, if any (specify nature of illness/operation) <u>Nil</u>			
4	Height in cm:	Weight in kg:	Blood Group:	
	<u>172 cm</u>	<u>74 kg</u>	<u>B⁺</u>	
5	Past History	(a) Mental illness (b) Epileptic fit	<u>Normal</u>	
6	Chest (a) Inspiration in cm	(b) Expiration in cm		
	<u>100 cm</u>	<u>93 cm</u>		
7	Hearing	<u>Normal</u> <u>AP TM intact</u>		
8	Vision with or without glasses:	Right Eye	Left Eye	Colour Blindness
		<u>6/6</u>	<u>6/6</u>	<u>- NO -</u>
9	Respiratory System	<u>B/L Clear.</u>		
10	Nervous System	<u>Checked up T/P/R. Reflex - Normal.</u>		
11	Heart	(a) Sounds	(b) Murmur	
		<u>Normal</u>	<u>No.</u>	
12	Abdomen	Hernia	Hydrocele	
	(a) Liver (b) Spleen			
	<u>Normal</u> <u>Spleen</u> <u>size.</u>	<u>-</u>	<u>-</u>	
13	Any other defects: <u>None.</u>			
Certificate of Medical Fitness				
<input checked="" type="checkbox"/>	The candidate fulfils the prescribed standard physical fitness, medical fitness and is FIT for admission to Engineering/Architecture/Pharmaceutics/Science Course			
<input type="checkbox"/>	The candidate does not fulfil the prescribed standard of physical fitness/medical fitness and is unfit/temporarily unfit for admission due to following defects:			
<u>Dr. Bikram Das</u>		<u>28964</u>		
<u>Signature</u>		<u>Registration number</u>		
Name of the Doctor		Seal		
		Dr. Bikram Das Reg No. 28934 Medical Officer OHC Hills Cement Co. Limited		

BP-120/80 mmHg

Annexure-5
~~ANNEXURE 7~~

MEDICAL CERTIFICATE (to be Issued by a Registered Medical Practitioner)				
GENERAL EXPECTATIONS				
Candidates should have good general physique. In particular, Chest measurement should not be less than 70 cm, with satisfactory limits of expansion and contraction. Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye. Colour blind and unocular(having vision in only one eye)persons are restricted from admission to certain courses. Hearing should be normal. Defective hearing should be corrected. Heart and lungs should not have any abnormality and there should be no history of mental illness and epileptic fits.				
1	Name of the candidate: AKSHAY KUMAR.			
2	Identification Mark (a mole, scar or birthmark), if any Scar on Rt Knee.			
3	Major illness/operation, if any (specify nature of illness/operation) Normal.			
4	Height in cm:	Weight in kg:	Blood Group:	
	183 cm.	87.3 kg	O+	
5	Past History	(a) Mental illness (b) Epileptic Fit	} Normal	
6	Chest (a) Inspiration in cm 110 cm		(b) Expiration in cm 105 cm.	
7	Hearing Normal. H-L-TM (Intact)			
8	Vision with or without glasses: <input checked="" type="checkbox"/>	Right Eye 6/6	Left Eye 6/6	Colour Blindness - No -
				Unocular vision (having vision in only one eye) - No -
9	Respiratory System Bilateral clear. VBS (+).			
10	Nervous System Oriented, conscious, moving all limbs			
11	Heart (a) Sounds	Normal	(b) Murmur	No.
12	Abdomen (a) Liver (b) Spleen	Hernia -	Hydrocele -	
		Normal size & firm		
13	Any other defects: - None			
Certificate of Medical Fitness				
<input checked="" type="checkbox"/> The candidate fulfils the prescribed standard physical fitness, medical fitness and is FIT for admission to Engineering/Architecture/Pharmaceutics/Science Course <input type="checkbox"/> The candidate does not fulfil the prescribed standard of physical fitness/medical fitness and is unfit/temporarily unfit for admission due to following defects:				
Dr. Bikram Das Name of the Doctor		 Signature		28934 Registration number
			Seal Dr. Bikram Das Reg No. 28934 Medical Officer OHC Hills Cement Co. Limited	

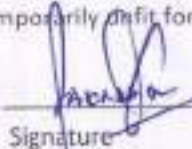

BP-120 / 80 mmHg

Annexure-5
~~ANNEXURE 7~~

MEDICAL CERTIFICATE (to be issued by a Registered Medical Practitioner)				
GENERAL EXPECTATIONS				
Candidates should have good general physique. In particular, Chest measurement should not be less than 70 cm, with satisfactory limits of expansion and contraction. Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye. Colour blind and uniuocular(having vision in only one eye)persons are restricted from admission to certain courses Hearing should be normal. Defective hearing should be corrected. Heart and lungs should not have any abnormality and there should be no history of mental illness and epileptic fits.				
1	Name of the candidate: <i>Mr. Om Prakash</i>			
2	Identification Mark (a mole, scar or birthmark), if any <i>A Mole on Lt Side Neck.</i>			
3	Major illness/operation, if any (specify nature of illness/operation) <i>NO</i>			
4	Height in cm: <i>175cm</i>	Weight in kg: <i>74.2kg</i>	Blood Group: <i>A+ve</i>	
5	Past History	(a) Mental illness	<i>No.</i>	
		(b) Epileptic Fit		
6	Chest (a) Inspiration in cm	<i>93cm</i>	(b) Expiration in cm	<i>87cm.</i>
7	Hearing	<i>Normal. EHL TM (+)</i>		
8	Vision with or without glasses:	Right Eye	Left Eye	Colour Blindness
		<i>6/6</i>	<i>6/6</i>	<i>- No -</i>
				Uniuocular vision (having vision in only one eye)
				<i>- No -</i>
9	Respiratory System	<i>B/L clear. VB S (+)</i>		
10	Nervous System	<i>Oriental Conscious - S moving all 4 limbs.</i>		
11	Heart	(a) Sounds	<i>Normal / S (+)</i>	(b) Murmur
				<i>NO</i>
12	Abdomen	Hernia	Hydrocele	
	(a) Liver	<i>Normal size</i>		
	(b) Spleen	<i>4 span</i>		
13	Any other defects: <i>None</i>			
Certificate of Medical Fitness				
<input checked="" type="checkbox"/>	The candidate fulfils the prescribed standard physical fitness, medical fitness and is FIT for admission to Engineering/Architecture/ Pharmaceutics/ Science Course			
<input type="checkbox"/>	The candidate does not fulfil the prescribed standard of physical fitness/medical fitness and is unfit/temporarily unfit for admission due to following defects:			
<i>Dr. Bikram Das</i>	<i>[Signature]</i>	<i>98934</i>	Dr. Bikram Das Reg No. 28934 Medical Officer OHC Hills Cement Co. Limited	
Name of the Doctor	Signature	Registration number	Seal	


BP: 170/104

Annexure-5
~~ANNEXURE 7~~

MEDICAL CERTIFICATE (to be issued by a Registered Medical Practitioner)				
GENERAL EXPECTATIONS				
Candidates should have good general physique. In particular, Chest measurement should not be less than 70 cm, with satisfactory limits of expansion and contraction. Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye. Colour blind and unocular(having vision in only one eye) persons are restricted from admission to certain courses. Hearing should be normal. Defective hearing should be corrected. Heart and lungs should not have any abnormality and there should be no history of mental illness and epileptic fits.				
1	Name of the candidate: KAJAL DAS.			
2	Identification Mark (a mole, scar or birthmark), if any Scar mark on the face.			
3	Major illness/operation, if any (specify nature of illness/operation) Normal.; K/L/O H/M on Medication.			
4	Height in cm: 160 cm. Weight in kg: 61 kg. Blood Group: A⁺ve.			
5	Past History	(a) Mental illness (b) Epileptic Fit	} Normal.	
6	Chest (a) Inspiration in cm 92 cm (b) Expiration in cm 88 cm.			
7	Hearing Normal., Both TM intact			
8	Vision with or without glasses: ✓	Right Eye 6/6	Left Eye 6/6	Colour Blindness - NO -
				Unocular vision (having vision in only one eye) - No -
9	Respiratory System B/L clear, VBS(+).			
10	Nervous System Oriental, conscious, moving all limbs, Reflexes Normal.			
11	Heart	(a) Sounds 90% Normal.	(b) Murmur None.	
12	Abdomen (a) Liver - Normal size 9 cm (b) Spleen - Normal size 8 cm	Hernia -	Hydrocele -	
13	Any other defects: None.			
Certificate of Medical Fitness				
<input checked="" type="checkbox"/> The candidate fulfils the prescribed standard physical fitness, medical fitness and is FIT for admission to Engineering/Architecture/ Pharmaceuticals/ Science Course <input type="checkbox"/> The candidate does not fulfil the prescribed standard of physical fitness/medical fitness and is unfit/temporarily unfit for admission due to following defects:				
Dr. Bikram Das Name of the Doctor		 Signature		28934. Registration number
			Dr. Bikram Das Reg No. 28934 Medical Officer OHC Hills Cement Co. Limited	 Seal

BP :- 128/80 mm/Hg

Annexure-5
~~ANNEXURE 7~~

MEDICAL CERTIFICATE (to be issued by a Registered Medical Practitioner)				
<u>GENERAL EXPECTATIONS</u>				
Candidates should have good general physique. In particular, Chest measurement should not be less than 70 cm, with satisfactory limits of expansion and contraction. Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye. Colour blind and unocular(having vision in only one eye)persons are restricted from admission to certain courses. Hearing should be normal. Defective hearing should be corrected. Heart and lungs should not have any abnormality and there should be no history of mental illness and epileptic fits.				
1	Name of the candidate: <u>Indrajit Mitra</u>			
2	Identification Mark (a mole, scar or birthmark), if any <u>A Cut mark on Rt Leg Knee</u>			
3	Major illness/operation, if any (specify nature of illness/operation) <u>No.</u>			
4	Height in cm: <u>166cm</u>	Weight in kg: <u>62.3kg</u>	Blood Group: <u>O^{ve}</u>	
5	Past History	(a) Mental illness (b) Epileptic Fit	} <u>No.</u>	
6	Chest (a) Inspiration in cm <u>99cm</u>		(b) Expiration in cm <u>89cm</u>	
7	Hearing <u>Normal, Both TM intact</u>			
8	Vision with or without glasses:	Right Eye <u>6/6</u>	Left Eye <u>6/6</u>	Colour Blindness <u>- No -</u>
				Unocular vision(having vision in only one eye) <u>- No -</u>
9	Respiratory System <u>E/c clear Auscultory Present. VPS (+)</u>			
10	Nervous System <u>Obtuse to tone, reflex of person. Reflexes Normal.</u>			
11	Heart	(a) Sounds <u>S₁ (+)</u>	(b) Murmur <u>No.</u>	
12	Abdomen (a) Liver <u>Normal</u> (b) Spleen <u>Normal</u>	Hernia <u>-</u>	Hydrocele <u>-</u>	
13	Any other defects: <u>- NO -</u>			
Certificate of Medical Fitness				
<input checked="" type="checkbox"/> The candidate fulfils the prescribed standard physical fitness, medical fitness and is FIT for admission to Engineering/Architecture/ Pharmaceutics/ Science Course <input type="checkbox"/> The candidate does not fulfil the prescribed standard of physical fitness/medical fitness and is unfit/temporarily unfit for admission due to following defects:				
<u>Dr. Bikram Das</u> Name of the Doctor		 Signature		<u>28934</u> Registration number
			<u>Dr. Bikram Das</u> Reg No. 28934 Medical Officer Seal	

BP - 118/78 mm/Hg

Annexure-5
~~ANNEXURE 7~~

MEDICAL CERTIFICATE (to be issued by a Registered Medical Practitioner)				
GENERAL EXPECTATIONS				
Candidates should have good general physique. In particular, Chest measurement should not be less than 70 cm, with satisfactory limits of expansion and contraction. Vision should be normal. In case of defective vision, it should be corrected to 6/9 in both eyes or 6/6 in the better eye. Colour blind and unocular(having vision in only one eye) persons are restricted from admission to certain courses. Hearing should be normal. Defective hearing should be corrected. Heart and lungs should not have any abnormality and there should be no history of mental illness and epileptic fits.				
1	Name of the candidate: RITESH KUMAR			
2	Identification Mark (a mole, scar or birthmark), if any A Black Mole On Face			
3	Major illness/operation, if any (specify nature of illness/operation) No.			
4	Height in cm:	Weight in kg:	Blood Group:	
	172cm	69kg	B⁺ve.	
5	Past History	(a) Mental illness (b) Epileptic Fit	} Normal.	
6	Chest (a) Inspiration in cm	95cm	(b) Expiration in cm	88cm
7	Hearing	Normal B/L TM ⊕.		
8	Vision with or without glasses:	Right Eye 6/6	Left Eye 6/6	Colour Blindness -No-
				Unocular vision (having vision in only one eye) -No-
9	Respiratory System	B/L Clear, VBS ⊕.		
10	Nervous System	oriented, conscious, moving all limbs		
11	Heart	(a) Sounds Normal	(b) Murmur	No
12	Abdomen	Hernia	Hydrocele	
	(a) Liver (b) Spleen	Normal	-	-
13	Any other defects: None.			
Certificate of Medical Fitness				
<input checked="" type="checkbox"/> The candidate fulfils the prescribed standard physical fitness, medical fitness and is FIT for admission to Engineering/Architecture/Pharmaceutics/Science Course <input type="checkbox"/> The candidate does not fulfil the prescribed standard of physical fitness/medical fitness and is unfit/temporarily unfit for admission due to following defects:				
Dr. Bikram Das Name of the Doctor		 Signature		28927 Registration number
			Seal Dr. Bikram Das Reg No. 28934 Medical Officer	

OHC Hills Cement Co. Limited

CHEM TECH (NE) SOLUTION

LokhraLalganesh Road, Guwahati 781040, Assam (INDIA)

Telephone : 91 0361 4006534 (Office)

Email : chemtechsolution@gmail.com

Date: 30.08.2022

TO WHOM IT MAY CONCERN

WORK COMPLETION/FUNCTIONAL REPORT

We are pleased to inform you that we have completed your work order details as under:

1. Name of Work : Rain Water Harvesting Plant(RWHP)
2. Name of Project : Installation of *Rain Water Harvesting Plant* capacity of 50.0 KLD including design & engineering, installation of mechanical & electrical items and commissioning.
3. Name of Client : HILLS CEMENT COMPANY LTD.
116 KM STONE NH 44, LUMSHNONG KHELERIHAT, MYNKREE,
EAST JAINTIA HILLS, MEGHALAYA-793200
4. Name and Address of Contractor : CHEM TECH (NE) SOLUTION
Lokhra-Lalganesh Road, Guwahati 781040, Assam
5. Order No. & Date : CT/Q/RWH/RV0485/21-22dated 08/02/2022

This is to certify that we as appointed Rain Water Harvesting Plant contractor for the above-mentioned work have successfully completed and the RWHP is functioning well.

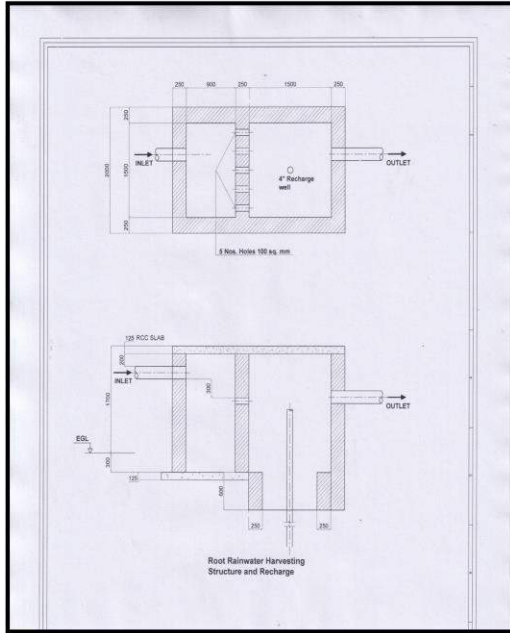
Authorized Signatory


For Chem Tech (NE) Solution

Signature

M/S HILLS CEMENT COMPANY LTD.
Mynkree, East Jaintia Hills, Meghalaya-793200

WATER HARVESTING PIT **(Near CCR)**



WATER HARVESTING PIT. **(Near CCR)**

The Water Harvesting Pit has been constructed (To Meet Legal Compliances) as per EHS requirement. The Rain Water inlet pipe line connected from Roof of CCR building.



ECO DEVELOPMENT MEASURES & COMMUNITY WELFARE MEASURES PLAN

(Activity Report - Oct 23 to Mar 24)

Hills Cement Company Ltd, Mynkree

Key program achievements / accomplishments:

Free medical camp has been organized:

One Free medical camp has been organized at Mynkre village. Free consultation and medicines for the common diseases were provided in this camp. Above 400 patients were examined in the camp.



Team of doctor form Hills Cement OHC and local PHC have conducted the medical examinations. PRI, School teachers and staff were present in the program Common diseases found among the students, abnormal blood pressure, abnormal blood glucose, cold and cough, skin diseases, gastroenterological problem etc. Also the reason and prevention measures for some of the common diseases were explained to the communities with a short awareness program.

Key program achievements / accomplishments:

National/International Days observation: World Environment Day 2023 – 24 organise at mynkre village

- No of beneficiary covered: 300 Approx.
- Area covered : 3 school

World Environment Day is an annual event celebrated worldwide on 5 June. Since the objective of the event is to save trees, Plantation, and stop pollution, therefore we have organized Campaign among school children in our Mynkre Village area in line with the global theme - reduce plastic pollution. Hills Cement conducted the event in Mynkre Village School Above 300 students from the respective schools, Parents and Teachers participated in the event which was observed through organizing Several activities such as awareness generation on reuse/recycle/reduce strategy, drawing competition, Slogan writing competition, poem competition and skit on save environment there. The students occupied

the first three positions in competitions were awarded as well as distributed the drinking water bottle for students and jute bags among student, parents and school teachers in the view of reduce single use plastic. garbage collection, a set of dustbins (Dry & wet) were placed near all 3 schools.

For better visibility during night hours hills cement placed solar light around the village.

Plantation Program at School



Plantation on Occasion of WED & NSD



Event Celebrations



Key program achievements / accomplishments:

Swaksh Village project: For Garbage collection and segregation

Clean Villager project were conducted at myrnkee an awareness session on clean village by conducting mass housekeeping campaign as well as provide set of dustbin for dry and wet garbage. And educate the village member about the harm of plastic and proper disposal of garbage.





Key program achievements / accomplishments:

Village Community Hall along kitchen and washroom provision

As we feel the need of villagers required fully erupted community hall we started working towards it and Started construction of village community hall as of not the civil work is almost completed and the electrical work is under process. Very soon the village will get it's newly constructed community hall constructed by Hills cement under CSR policy apart from the community hall we have conducted a repair and maintenance drive for the schools. In this drive we have replaced the damage sheet of class rooms and toilets along with fencing work of electrical transformer and PPC work in front of the school for betterment of students and teachers.



Key program achievements / accomplishments:

Prakashit Village Project: Solar light poles covered around village

Poor illumination resulted to road accident and increases the possibilities of snake bite and other biological hazards. The rural households of mynkre Village were suffering the poor electrical condition as well as improper lighting arrangement. Hills cement provided solar light system to enhance the illumination level throughout the village for the comfort and safety of villagers during night hours.



Details of implemented environmental protection measures and safeguards recommended in the EIA/EMP

1. Installation of pollution control devices at

Sr. No.	Stack Name	Name of pollution control devices
1	Clinker cooler	ESP
2	crusher	Bag house
3	RABH (kiln& raw mill)	Reverse Air Bag house
4	Coal mill	Bag house
5	Cement mill	Bag house

2. Installation of Bag filters on each transfer point to control fugitive dust emission.
3. Installation of STP for domestic effluent treatment.
4. Installation of permanent water sprinkler system from Main Road to CCR.
5. Water sprinkling being also done through tanker.
6. Green Belt/Horticulture Dev. As per green belt development plan.
7. Third party Env. Monitoring on monthly basis.
8. Road construction to control the fugitive emissions.
9. Establishment Occupational Health Center.
10. Adopting energy efficient lights.
11. Housekeeping & maintenance of entire premises.

Online Pollution Monitoring Portal							
Site Name: Hills Cement Company limited							
From Date: 2023/10/01 To Date: 2024/03/31							
Report Name: Custom Report							
Report Created by HCCL on 2024-06-26 19:23:59 (Unit-mg/Nm3)							
Sl No.	Time	Stack 1 Raw Mill Kiln (PM)	Stack 1 Raw Mill Kiln (SO2)	Stack 1 Raw Mill Kiln (Nox)	Stack 2 Cooler ESP (PM)	Stack 3 COAL MILL (PM)	Stack 4 CEMENT MILL (PM)
1	2023-10-01	15.11	511.51	350.22	18.44	16.33	7.89
2	2023-10-02	15.47	515.05	300.73	18.53	16.17	17.04
3	2023-10-03	17.01	557.44	324.03	18.77	15.62	17.16
4	2023-10-04	14.34	525.02	329.22	18.66	16.93	17.32
5	2023-10-05	14.4	558.6	328.9	18.69	16.05	18.66
6	2023-10-06	15.16	540.15	335.6	18.41	15.95	18.3
7	2023-10-07	14.48	530.42	341.65	18.62	16.18	17.49
8	2023-10-08	15.1	532.62	341.44	18.7	16.75	18.4
9	2023-10-09	15.1	538.11	341.74	18.56	15.55	9.44
10	2023-10-10	15.02	558.3	330.81	18.6	15.44	7.74
11	2023-10-11	14.61	579.01	332.26	18.6	15.45	7.15
12	2023-10-12	13.88	487.36	277.23	18.73	15.44	8.24
13	2023-10-13	14.48	457.95	252.32	18.48	14.74	18.87
14	2023-10-14	15.45	430.04	239.6	18.49	15.14	11.36
15	2023-10-15	14.31	457.72	253.81	18.42	16.79	19
16	2023-10-16	14.09	515.81	281.56	18.48	16.27	17.11
17	2023-10-17	14.33	574.52	318.9	18.56	17.31	14.48
18	2023-10-18	14.96	545.97	303.82	18.56	16.04	14.78
19	2023-10-19	14.58	567.24	316.38	18.6	15.49	16.82
20	2023-10-20	14.21	582.18	337.81	18.36	17	16.84
21	2023-10-21	15.36	571.71	329.84	18.28	17.02	16.07
22	2023-10-22	14.97	585.5	329.11	18.31	16.42	16.87
23	2023-10-23	14.95	577.87	333.53	18.46	16.47	16.64
24	2023-10-24	13.91	571.54	329.62	18.36	17.11	16.66
25	2023-10-25	15.13	559.73	335.04	18.48	18.64	18.67
26	2023-10-26	14.68	564.53	323.62	18.79	17.37	18.9
27	2023-10-27	14.66	522.42	302.87	18.09	15.59	18.17
28	2023-10-28	15.8	438.24	260.27	18.49	14.51	17.23
29	2023-10-29	16.16	428.44	237.4	18.55	16.16	8.72
30	2023-10-30	15.14	428.82	240.18	18.62	14.08	12.97
31	2023-10-31	14.11	413.52	230.33	18.58	13.45	16.12
32	2023-11-01	14.28	442.33	243.56	18.49	14.3	15.88
33	2023-11-02	14.48	496.04	271.12	18.55	14.41	16.04
34	2023-11-03	14.33	539	294.86	18.44	16.71	16.47
35	2023-11-04	14.78	558.3	308.39	18.6	14.14	18.12
36	2023-11-05	13.76	545.88	303.57	18.64	14.2	16.61
37	2023-11-06	14.06	569.85	312.52	18.46	13.66	16.95
38	2023-11-07	15.2	559.9	323.41	18.48	15.15	15.23
39	2023-11-08	15.64	542.41	333.17	18.4	15.03	16.84
40	2023-11-09	15.43	543.38	339.17	18.43	13.95	12.23
41	2023-11-10	15.09	578.75	350.74	18.18	14.59	20.74
42	2023-11-11	14.89	560.47	335.08	18.48	14.42	19.89
43	2023-11-12	15.12	551.92	332.44	18.52	13.97	18.34
44	2023-11-13	14.75	542.6	326.24	18.43	14.12	17.32
45	2023-11-14	15.86	512.81	306.98	18.66	14.09	11.83
46	2023-11-15	14.66	462.11	278.93	18.45	12.92	20.79
47	2023-11-16	16.04	464	274.24	18.28	12.67	18.37
48	2023-11-17	15.61	479.38	286.82	18.62	14.01	17.84
49	2023-11-18	15.37	499.33	300.24	18.51	13.73	18.67
50	2023-11-19	14.95	481.57	286.63	18.54	14.08	20.14
51	2023-11-20	15.08	562.82	320.98	18.35	14.16	17.55
52	2023-11-21	15.35	602.74	338.66	18.46	14.82	16.35
53	2023-11-22	15.63	603.96	350.41	18.37	14.89	15.5
54	2023-11-23	15.19	593.7	354.34	18.36	14.64	15.61
55	2023-11-24	14.71	584.09	359.5	18.35	14.35	15.2
56	2023-11-25	15.6	586.93	354.95	18.35	14.15	15.33

57	2023-11-26	15.05	603.33	346.09	18.32	15.47	17.44
58	2023-11-27	14.99	573.09	348.2	18.2	14.06	16.32
59	2023-11-28	14.43	600.17	353.66	18.36	14.53	15.73
60	2023-11-29	15.11	594.79	353.13	18.21	15.28	15.23
61	2023-11-30	15.13	580.42	357.17	18.18	15.04	14.67
62	2023-12-01	15.02	557.44	364.61	18.14	15.42	14.99
63	2023-12-02	15.12	577.04	367.86	18.06	15.73	15.21
64	2023-12-03	15.43	596.22	363.93	18.24	15.87	16.76
65	2023-12-04	15.16	592.99	346.97	18.23	15.26	16.33
66	2023-12-05	15.62	501.88	298.62	18.28	14.8	16.68
67	2023-12-06	14.71	539.13	324.36	18.22	14.64	15.88
68	2023-12-07	15.38	567.48	346.55	18.3	15.44	16
69	2023-12-08	15.1	592.04	353.31	18.26	15.39	15.37
70	2023-12-09	15.38	600.09	349.84	18.25	14.88	10.72
71	2023-12-10	15.57	593.13	349.57	18.19	15.59	17.45
72	2023-12-11	15.72	585.48	345.81	18.11	14.75	17.08
73	2023-12-12	15.35	531.16	320.32	18.16	14.66	15.61
74	2023-12-13	15.59	520.84	313.98	18.31	14.48	15.25
75	2023-12-14	15.04	556.64	347.93	18.36	15.26	12.35
76	2023-12-15	15.13	626.28	360.97	18.28	16.07	13.82
77	2023-12-16	15.25	613.82	356.87	18.2	16.23	17.62
78	2023-12-17	15.45	629.51	359.67	18.35	15.9	18.67
79	2023-12-18	15.43	637.37	361.97	18.35	16.36	18.85
80	2023-12-19	16.54	624.76	358.12	18.41	16.52	16.62
81	2023-12-20	14.47	571.03	326.87	16.54	15.58	18.05
82	2023-12-21	15.14	623.56	357.95	18.3	16.7	18.07
83	2023-12-22	15.13	632.27	359.55	18.25	15.48	14.1
84	2023-12-23	15.01	612.89	347.54	18.36	15.91	16.66
85	2023-12-24	15.13	632.85	357.42	18.43	16.61	16.75
86	2023-12-25	14.91	630.55	357.27	18.35	15.74	16.74
87	2023-12-26	15.27	618.55	350.92	18.47	16.12	16.29
88	2023-12-27	14.84	567.79	322.43	18.38	15.51	4.68
89	2023-12-28	14.71	604.33	332.88	18.5	15.2	0.16
90	2023-12-29	15.21	611	340.2	18.34	15.36	0.2
91	2023-12-30	14.58	599.92	340.29	18.27	14.47	5.51
92	2023-12-31	17.3	647.89	360.04	18.17	14.49	16.85
93	2024-01-01	18.32	640.41	354.72	18.29	16.02	18.89
94	2024-01-02	15.61	604.79	333.98	18.35	15.77	13.23
95	2024-01-03	16.17	596.68	321.89	18.37	16.45	13.25
96	2024-01-04	14.39	108.29	46.67	6.79	1.23	18.83
97	2024-01-05	15.99	37.57	19.55	3.5	0.1	20.52
135	2024-02-12	16.21	571.94	338.53	19.18	13.98	16.23
136	2024-02-13	16.42	575.19	341.51	19.23	16.14	16.43
137	2024-02-14	15.5	609.19	339.44	19.12	16.51	18.67
138	2024-02-15	15.64	617.42	343.46	18.99	16.06	18.88
139	2024-02-16	15.79	610.03	337.57	19.13	15.79	18.35
140	2024-02-17	15.84	595.15	329.68	19.23	15.39	18.44
141	2024-02-18	14.77	580.47	317.91	19.3	15.6	18.66
142	2024-02-19	15.74	565.73	317.75	19.06	15.29	12.28
143	2024-02-20	16.11	571.11	319.44	19.07	15.71	17.69
144	2024-02-21	16.54	574.64	321.53	19.13	16.33	16.55
145	2024-02-22	16.07	575.37	321.98	18.88	16.6	18.9
146	2024-02-23	16.03	599.81	333.48	18.76	17.5	19.16
147	2024-02-24	16.57	577.66	314.92	18.85	16.78	19.78
148	2024-02-25	16.44	541.77	296.51	18.8	17.38	16.16
149	2024-02-26	17.04	574.32	311.03	18.68	17.02	13.75
150	2024-02-27	16.5	596.61	326.76	18.83	16.83	15.29
151	2024-02-28	16.65	596.92	327.25	19.06	16.59	15.25
152	2024-02-29	17.04	590.64	323.2	19	17.45	15.81
153	2024-03-01	16.67	586.27	321.42	18.91	17.23	15.89
154	2024-03-02	16.47	569.67	311.05	18.56	16.79	10.1
155	2024-03-03	16.41	581.03	315.26	18.52	15.88	15.99
156	2024-03-04	16.71	587.17	320.11	19.07	16.55	14.63
157	2024-03-05	17.01	594.49	322.64	18.77	16.22	14.62
158	2024-03-06	16.83	587.82	319.95	18.94	16.88	14.81
159	2024-03-07	16.6	616.57	337.09	19.19	18.24	14.73
160	2024-03-08	15.84	637.79	347.05	19.36	18	14.02

161	2024-03-09	15.53	638	345.58	19.19	17.99	14.6
162	2024-03-10	15.2	646.73	349.89	19.05	17.68	14.84
163	2024-03-11	15.19	640.25	346.65	19.07	18.07	14.93
164	2024-03-12	15.91	632.79	342.18	19.03	17.63	14.95
165	2024-03-13	16.06	610.84	327.72	19.22	17.68	16.66
166	2024-03-14	15.53	633.41	342.06	18.82	17.02	17.75
167	2024-03-15	15.52	630.48	337.67	19.11	17.83	17.05
168	2024-03-16	16.21	596.65	321.28	19.12	17.86	16.97
169	2024-03-17	15.93	657.92	345.08	18.99	16.88	14.33
170	2024-03-18	16.28	602.38	316.47	19.03	15.98	16.83
171	2024-03-19	16.2	640.27	336.91	18.69	16.58	17.7
172	2024-03-20	15.9	658.83	345.46	18.98	17.13	19.36
173	2024-03-21	15.89	632.82	338.9	18.96	17.28	19.03
174	2024-03-22	15.6	620.38	332.87	19.03	16.17	18.67
175	2024-03-23	16.13	631.01	338.39	19.12	16.42	17.93
176	2024-03-24	15.02	657.61	344.61	19.1	16.87	17.17
177	2024-03-25	15.61	635.57	336.98	18.67	17.35	15.66
178	2024-03-26	15.88	619.43	331.02	18.52	16.11	15.86
179	2024-03-27	14.88	618.59	358.37	18.73	17.18	18.79
180	2024-03-28	14.63	642.59	355.55	18.94	16.34	17.64
181	2024-03-29	14.8	658.59	353.83	18.76	17.21	17.04
182	2024-03-30	14.37	652.01	354.87	18.8	16.96	17.05
183	2024-03-31	14.29	656.17	356.23	18.95	18.68	18.37

Digital Display Board



**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- 03.02.2022

Book No.

Sl.No. **1130**

Date... **29.01.2024**...

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML04.D.2078**.....is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture. or	3.25	75	5.2		0.49%
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**.....

Authorised Signature
 Seal of the Testing Station

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

SHRI. FINAL DKHAR
 Deinshynrum, Khliehriat
 East Jaintia Hills Dist.

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- 03.02.2022

Book No.

Sl.No. **1131**

Date... **29.01.2024**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML04D 2199**..... is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		0.48%
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**.....

Authorised Signature
Seal of the Testing Station

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

Shri. Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE: - 03.02.2022

Book No.

Sl.No. **1133**

Date.....**29.01.2024**..

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML04D 2145**.....is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		0.45%
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**.....

Authorised Signature
Seal of the Testing Station
Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- 03.02.2022

Book No.

SI.No. **1128**

Date **29.01.2024**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML 11 8716** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture. or	3.25	75	5.2		0.54%
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**

Authorised Signature
Seal of the Testing Station

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

**Shri. Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.**

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- 03.02.2022

Book No.

Sl.No. **1127**

Date... **29.01.2024**..

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML 11 2717**..... is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture. or	3.25	75	5.2		0.57x
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**.....

Authorised Signature
Seal of the Testing Station

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

Shri. Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- 03.02.2022

Book No.

Sl.No. **1126**

Date **29.01.2024**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML 11 2718** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rmp declared by the manufacture.	3.25	75	5.2		0.56x.
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**

Authorised Signature
Seal of the Testing Station

**Shri. Final Dikhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.**

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE - 03.02.2022

Book No.

SI.No. **1125**

Date **29.01.2024**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML 11 2719** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture. or	3.25	75	5.2		0.60%
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**

Authorised Signature
Seal of the Testing Station

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

Shri. Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- **03.02.2022**

Book No.

Sl.No. **1129**

Date... **29.01.2024**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML 11 4292** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		0.58%
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**

Authorised Signature
Seal of the Testing Station

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

**Shri. Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.**

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE - 03.02.2022

Book No.

Sl.No. **1137**

Date... **29.01.2024**.....

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML 11 6343**..... is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture. or	3.25	75	5.2		0.42%
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**.....

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

Authorised Signature
Seal of the Testing Station
Shri. Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- **03.02.2022**

Book No.

Sl.No. **1136**

Date **29.07.2024**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML-11-6344** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		0.44
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**

Authorised Signature
Seal of the Testing Station

Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- 03.02.2022

Book No.

Sl.No. **1135**

Date. **29.01.2024**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML 11 6345** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		0.434
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**

Authorised Signature
Seal of the Testing Station

**Shri. Final Dikhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.**

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- **03.02.2022**

Book No.

Sl.No.

1134

Date...**29.01.2024**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML 11 6346** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		0.42%
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**

Authorised Signature
 Seal of the Testing Station
**Exc. Final Dkhar
Deinshynrum, Khliehriat
East Jaintia Hills Dist.**

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- **03.02.2022**

Book No.

Sl.No. **1145**

Date **29.01.2024**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML 117456** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		
2. Free acceleration	2.45	65	5.2		0.41%

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**

Authorised signature
Seal of the Testing Station

**Shri. Final Dkhar
Deinshynrum, Khliahriat
East Jaintia Hills Dist.**

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

**AUTOMOBILE SMOKE TESTING STATION
KHLIEHWAH-INGKHOI, DEINSHYNRUM, EAST JAINTIA HILLS**

Name of Licence Holder:-
**SHRI. FINAL DKHAR
DEINSHYNRUM, KHLIEHRIAT**



LICENCE NO.
Com/Trans/PTS/2001/65/Vol-V/436
DATE OF ISSUE:- 03.02.2022

Book No.

Sl.No. **1132**

Date **29.01.2024**

**SMOKE EMISSION TEST REPORT
(DIESEL DRIVEN VEHICLES)**

The Vehicle No. **ML04 D 2076** is tested for emission level and reading is as under

Type of Vehicle other than agriculture tractors	Notified Standard of maximum smoke density			Actual Reading	
	Light absorption co-efficient	Hartidye Units	Bosch Unit	Light absorption co-efficient	Hartidye Units
1. Full load at 60 to 70% of maximum engine rated rpm declared by the manufacture.	3.25	75	5.2		0.45
2. Free acceleration	2.45	65	5.2		

Certified that the vehicle meets the emission standard fixed under Rule 115(2) of the Central Motor Vehicles Rules 1989. This Certificate is valid upto **28.07.2024**

Authorised Signature
Seal of the Testing Station
SHRI. FINAL DKHAR
Deinshynrum, Khliehriat
East Jaintia Hills Dist.

No.Com/Trans/AETS(DEINSHYNRUM)/7/2022/8, Dated : 15.02.2022

Annexure-12



भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:		Hills Cement Company Limited										
Project Address:		Hills Cement Company Limited, Mynkre, Khliehriat, East Jaintia Hills										
Village:		Mynkre		Block:		Khliehriat						
District:		East Jaintia Hills		State:		Meghalaya						
Pin Code:												
Communication Address:		Vill: Mynkree, 116 Km Stone, Nh-44, Khlieriat, Khliehriat, East Jaintia Hills, Meghalaya - 793210										
Address of CGWB Regional Office :		Central Ground Water Board North Eastern Region, Betkuchi, Opposite Isbt., Nh-37, Guwahati., Kamrup Metro, Assam - 781035										
1. NOC No.:	CGWA/NOC/IND/REN/1/2024/9460			2. Date of Issuance	02/05/2024							
3. Application No.:	21-4/88/ML/IND/2020			4. Category: (GWRE 2023)	Safe							
5. Project Status:	Existing Ground Water			6. NOC Type:	Renewal							
7. Valid from:	29/01/2024			8. Valid up to:	28/01/2027							
9. Ground Water Abstraction Permitted:												
Fresh Water		Saline Water		Dewatering		Total						
m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year	m ³ /day	m ³ /year					
450.00	162300.00											
10. Details of ground water abstraction /Dewatering structures												
Total Existing No.:1						Total Proposed No.:2						
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	1	0	0	0	0	0	2	0	0	0
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps												
11. Ground Water Abstraction/Restoration Charges paid (Rs.):				427050.00								
12. Environment Compensation (if applicable) paid (Rs.):				0.00								
13. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.				No. of Piezometers		Monitoring Mechanism						
						Manual	DWLR**	DWLR With Telemetry				
**DWLR - Digital Water Level Recorder				1		0	1	0				

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

Website: cgwa-noc.gov.in

पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

CENTRAL GROUND WATER AUTHORITY

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

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Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m³/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m³/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).
- 31) In the self-compliance report, the PP shall submit details of Drilling Agency/ Agencies, which has/ have constructed BW(s)/ TW(s) along with undertaking to the effect that all necessary measures have been taken as per directions of Hon'ble Supreme Court provided in Annexure-VII of guidelines dated 24.09.2020 in respect of abandoned/ failed BW(s)/ TW(s)/Piezometer(s), if any. The PP is advised to engage registered drilling agency/ agencies. In the event of any mishap/ unfortunate incident due to negligence in taking measures for prevention of accident due to falling in Bore Well, both PP and concerned drilling agency shall jointly be held responsible and penal action as per extant Government rules shall be taken.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

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पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

CENTRAL GROUND WATER AUTHORITY

Department of Water Resources, River Development and Ganga Rejuvenation
Ministry of Jal Shakti, Govt. of India

Receipt

(As per the guideline Gazette Notification S.O. 3281(E) regarding the New Guidelines dated 24.09.2020 of CGWA, MoJS, Govt. of India)
<https://cgwa-noc.gov.in>

Application No.:	21-4/88/ML/IND/2020	Date of Issuance:	02/05/2024
Name of Firm:	HILLS CEMENT COMPANY LIMITED		
AppType Category:	Cement Industry		
Application Type:	Industrial		
PAN/GSTIN No. of Firm/Individual:	/		

S N	Description	Amount (Rs.)
1.	Application Processing Fee	5000.00
2.	Ground Water Abstraction charges	427050.00
3.	Ground Water Restoration charges	0
4.	Environmental Compensation Charges (ECRGW) (Date From to) Days-	
5.	Penalty for non-Compliance of NOC conditions Condition to be mentioned	
6.	Adjustment Charges	
7.	Rebate	
8.	Charges for correction/modification in the existing issued No Objection Certificate	
S.No.	Description	Rate
(i)	Change in User ID	Rs. 1000
(ii)	Change in firm Name	Rs. 5000
(iii)	Extension of No Objection Certificate	Rs. 5000
(iv)	Issuance of duplicate No Objection Certificate	Rs. 5000
(v)	Issuance of corrigendum to No Objection Certificate	Rs. 5000
(vi)	Any other items/correction etc.	Rs. 500
Rs. Rupees Four Lakh Thirty Two Thousand Fifty Only		432050.00

This is an system generated invoice, hence, does not require ink signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011

Phone: (011) 23383561 Fax: 23382051, 23386743

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पानी बचाये - जीवन बचाये
SAVE WATER - SAVE LIFE

Term and conditions:

- i. All disputes are subject to Delhi Jurisdiction.
- ii. Any complaint in regard to the rates will not be entertained.

Member-Secretary
CGWA, New Delhi

CENTRAL GROUND WATER AUTHORITY

**Hills Cement Company Ltd.
(Green Belt Development Status)**







Covered Shed



GARLAND DRAIN



NEUTRALISATION PIT

