



REPORT OF COMPLIANCE of M/s HANNA ROCK PRIVATE Limited
(Ref: Environmental Clearance No. 62 of 2018)

Compliance Report for the period from 01.04.2023 to 30.09.2023

A. SPECIFIC CONDITION

Item No.	Stipulations in EC	Status of Compliance
1	If any rare, endemic and threatened species are noticed, they shall be properly protected in situ or transplanted to a suitable site inside the lease area	<p>Few endemic species were identified in the lease area and the same plants were brought from Forest nursery and planted near Mine Office. These plants will be transplanted subsequently within the lease area.</p> <p>Presently the plants have grown up and another area will be selected for such plantation before next monsoon.</p>
<div></div>		

B.GENERAL CONDITIONS

Item No.	Stipulations in EC	Status of Compliance	Remarks
G-1	Rain Water Harvesting facility should be installed as per the prevailing provisions of KMBR/KPBR,	In quarrying area Rain Harvesting is implemented as all the rain water is collected at the bottom of the pit and being utilized for Dust Suppression and other purposes	
G-2	Environment Monitoring Cell as Agreed under the affidavit filed by the proponent should be formed and made functional.	Environment Monitoring Cell is constituted as below: 1. Mr. S A Dwarakanatha Mines Manager 2. Mr. K. Kabilan Mine Foreman 3. Mr. Harish G Nair as members	
G-3	Suitable avenue trees should be planted along either side of tarred road and open parking areas, if any, inclusive of approach road and internal roads.	We have extensively planted trees on Eastern, Southern and Western side of lease boundary in the buffer zone. The details of species of plants are given in Annexure -I.	
G-4	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Solar energy is presently utilized in office premises as quarry operations are limited to day light	
G-5	Sprinklers shall be installed and used in the project site to contain dust emissions.	Part of haulage roads are provided with automatic sprinklers and are working continuously	
G-6	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	Eco-restoration shall be done at our cost as and when necessary and also during the course of Mine Closure	
G-7	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the Remaining area should be reclaimed with and overburden and planted with indigenous plant species that are eco-friendly. If, no other specific condition on reclamation of pit is stipulated in the E.C	The bottom portion of the pit adjoining to present working is kept open for rainwater and storm water collection. The water thus collected is utilized for spraying on haulage roads.	

Item No.	Stipulations in EC	Status of Compliance	Remarks
G-8	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented in tune with the conditions specified in the Companies Act, 2013.	CSR as agreed is being implemented and the details of amount spent during this six months (April-23 to September-23) is enclosed as Annexure III for reference	
G-9	The lease area shall be fenced off with barbed wires to a minimum height of 4ft around, before starting of mining. All the boundary indicators boards, stores, markings, etc) shall be protected at all times and shall be conspicuous.	The entire lease boundary is properly fenced with Barbed wire with concrete pillars. All necessary sign boards are erected at suitable places.	
G-10	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per Stipulations of Explosive Department	Blasting operations are always preceded by warning alarms besides persons keeping vigil at vital areas to avoid persons/animals entering the blasting zone.	
G-11	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Regular monitoring of Noise level is being conducted and overall noise level is kept under permitted level Ref. Annexure III	
G-12	Quarrying activities should be limited to day time as per KSPCB guidelines.	Quarrying operations is restricted to day light	
G-13	Blasting should be done in a controlled manner as specified by the regulation of explosives Department or any other concerned agency.	Controlled blasting is being carried out by using Electronic delay detonators and also by restricting the number of holes blasted in a round	
G-14	A licensed person should supervise/control the blasting operations.	Mine Foreman/Mine Mate/Blaster (Certified by the Director General of Mines Safety) will supervise the blasting operations in the quarry	
G-15	Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials	Access roads are of concrete pavers road and are properly maintained besides regular watering to avoid dust generation during transport of vehicles	
G-16	Overburden materials should be managed within the site and used for reclamation of mine pit as per mined closure plan/ specific conditions.	Overburden material is kept inside the quarry with proper care to avoid erosion during monsoon and shall be utilized as proposed	

Item No.	Stipulations in EC	Status of Compliance	Remarks
G-17	Height of benches should not exceed 5 m and width should not be less than 5 m.	Height and width of the benches are maintained as stipulated in EC document	
G-18	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	Blasting mats are provided wherever necessary to avoid fly rocks	
G-19	Maximum depth of mining from general ground level at site shall not exceed 10m.	Shall be restricted within the stipulated depth	
G-20	No mining operations should be carried out at places having a slope greater than 45°.	Our quarry area being generally flat the benches are maintained so that the slope angle shall not increase more than 45 degrees	
G-21	Acoustic enclosures should have been provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.	Thick vegetation of trees and total covering of the crusher is done to suppress sound amplifications.	
G-22	The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.	All workers are provided with personal protective equipments such as Helmet, ear muffs, safety shoes and other items as prescribed by DGMS	
G-23	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Quarry area is provided with garland drains so that all storm water is diverted to the pit bottom and collected. Other areas are provided with drains to divert the water to the main/natural drainage.	
G-24	The transportation of minerals should be done in covered trucks to contain dust emissions.	Transportation trucks are provided with thick tarpaulin covers.	
G-25	The proponent should plant trees at least 5 times of the loss that has been occurred while clearing the land for the project.	All the areas other than the quarry operational are provided with thick plantation.	

Item No.	Stipulations in EC	Status of Compliance	Remarks
G-26	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Spent/burnt oil released from machinery/vehicles are disposed in a specified manner of State Pollution Control Board	
G-27	Explosives should be stored in magazines in isolated place specified and approved by Explosive Dept.	Approved Explosive Magazine is located in the isolated place and all explosive material is kept in Magazine.	
G-28	A Minimum buffer distance of 100 m from the boundary of the quarry to the nearest dwelling unit or other structure , not being any facility for mining shall be provided	A clear 100 meters buffer zone is maintained all along the lease boundary	
G-29	100 m buffer distance should be maintained from forest boundaries.	-Not applicable-	
G-30	Consent from Kerala State Pollution, Control Board under Water and Air (Acts) should have been obtained before initiating mining activity.	Consent from Kerala State Pollution Control Board under Air and Water Act is obtained and is valid till 16.03.2024	
G-31	All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.	Directorate General of Mines Safety has given permission to deploy Heavy Earth Moving Machinery for quarrying under Regulation 106(2)(b) of Metalliferous Mines Regulations 1961	

Item No.	Stipulations in EC	Status of Compliance	Remarks
G-32	In the case of any change in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/ impacts as assessed, based on which only the E.C is issued. The projects would require a fresh appraisal by this authority, for which the proponent shall apply and get the approval of the Authority	Will approach the Authority when applicable	
G-33	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act,1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Any additional safeguard measures issued shall be followed and implemented	
G-34	The stipulations by Statutory Authorities under different Acts and Notifications should be complied with including the provisions of Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	All stipulations are being complied with	

Item No.	Stipulations in EC	Status of Compliance	Remarks
G-35	<p>The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.</p>	- Complied with -	
G-36	<p>A copy of the clearance letter shall be sent by the proponent to concerned GramaPanchayat/District Panchayat/Municipality/Corporation/Urban Local Body and also to the Local NGO, if any, from whom suggestions / representations, if any, were received while processing the proposal. The Environmental clearance shall also be put on the website of the company by the proponent.</p>	Environment Clearance letter along with the conditions stipulated is submitted to Village panchayat and other concerned agencies	

Item No.	Stipulations in EC	Status of Compliance	Remarks
G-37	The proponent shall submit half yearly reports on the status of compliance of the stipulated EC Conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the Status of compliance of the stipulated EC conditions, including results of monitored data on their website. It shall Sent to the Regional office of MoEF., Govt. of India and also to the STATE Environment Impact Assessment Authority (SEIAA) Office	Compliance reports (April to September and from October to March of every year) shall be sent to SEIAA –Kerala Office and Regional office of MoEF –Bangalore regularly and uploaded on our Company website	
G-38	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ftx 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40.	Details are displayed in front of Office	
G-39	The proponent should provide notarized affidavit (indicating number and date of environmental clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed	-Complied-	
G-40	No change in mining technology and scope of working should be made without prior approval of the SIEAA, No further expansion or modification in the mine shall be carried out without prior approval of the SIEAA, as applicable.	-Shall be complied-	
G-41	The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	There is no natural water source within the lease area.	

Item No.	Stipulations in EC	Status of Compliance	Remarks
G-42	Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended places loading and unloading points & transfer point to reduce fugitive emissions.	Monitoring of Ambient Air Quality for fugitive emissions is being carried out regularly. Latest results are enclosed as Annexure II	
G-43	The Top soil, if any, shall temporarily to be stored at earmarked sites, only. For the topsoil shall be used for land reclamation and plantation. The over burden generated during the mining operations shall be stacked at earmarked dump site only. the maximum height of the dumps shall not exceed 8 m and width 20m and overall slope of the dumps shall be maintained to 45°. the OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	-No top soil will be removed during the first five years of development and production program however whenever top soil is removed shall be kept separately and utilized as specified	
G-44	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilizing for watering the mine area. Roads, green belt development t etc. the drains shall be regularly desilted particularly after monsoon and maintained properly.	Catch drains are provided to arrest the eroded material and are being de-silted before the onset of monsoon are as end when they are filled	

Item No.	Stipulations in EC	Status of Compliance	Remarks
G-45	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM ₁₀ and PM _{2.5} such as haul road, Loading and unloading points and transfer points-it shall be ensured that the ambient air quality parameters conform to the norms prescribed by the central pollution control board in this regard.	One water tanker of 10 K capacity is kept in quarry area and water is sprinkled on regular basis besides the automated sprinklers to keep the haulage road wet to contain production/propagation of dust during vehicle movement	
G-46	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained	Dust extractors are provided to contain dust during drilling operations and haul roads are regularly watered to avoid dust generation	
G-47	Measures should be taken for control of noise levels below 85 dBA in work environment.	Proper maintenance of machineries/vehicles are practiced to minimize the noise levels. Latest Noise level monitoring results are enclosed as Annexure II	
G-48	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a senior Executive, who will report directly to the head of the organization .	Environmental Management cell is constituted under the Mines Manager who will report directly to the Managing Director (Owner)	
G-49	The funds earmarked for environmental protection measures and CSR activities should be kept in separate account and should be reported to the state environment authority(SEIAA) office	The funds are provided as and when required for CSR activities maintaining of separate account shall be done in due course	
G-50	The Regional Office of MOEF&CC Located at Bangalore shall extend full cooperation to the officer (S) of the Regional Office by furnishing the requisite data /information /monitoring reports	-Shall be complied-	
G-51	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal , if preferred ,within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act ,2010	-Will comply with any outcome of NGT	

Item No.	Stipulations in EC	Status of Compliance	Remarks
G-52	Concealing the factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of the this clearance and attract action under the provisions of Environment (protection)Act,1986	No data is concealed and no false/fabricated data is furnished to the authority as per our knowledge and belief	
G-53	The SEIAA may revoke or suspend the order, for on implementation of any of the specific or this implementation of any of the above conditions is not satisfactory .The SEIAA reserves the right to alter /modify the above conditions or stipulate any further conditions in the interest of environment protection.	Will accept in case of any such violations of the provision of EC	
G-54	The above conditions shall prevail notwithstanding anything to the contrary in consistent ,or simplified, contained in any other permit, license on consent given by other authority for the same project .	-Not applicable-	
G-55	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Government of Kerala whichever is earlier.	-Accepted-	
G-56	The Environmental Clearance will be subject to the final Order of the courts of the in any pending litigation related to the land or project, in any court of law.	-Will abide by the verdict -	
G-57	The mining operation shall be restricted to above ground water table and it should not intersect ground water table.	The mining activities are restricted to the area of above general ground water table and will not intersect Ground water table	

G-58	All vehicles used for transportation and within the mines shall have PUC certificate from authorized pollution talking Centre .washing of all vehicles shall be inside the lease area ‘	This is strictly being implemented	
G-59	Project proponent should obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project.	Shall be obtained whenever necessary	
G-60	Regular monitoring of flow rates and water quality upstream and downstream of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly reports to SEIAA.	Water quality is regularly monitored and samples are analyzed in NABL approved Laboratory. The results are enclosed for reference.	
G-61	Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and corrective measures, if needed.	Occupational health surveillance is being carried out.	

ANNEXURE - I



Afforestation on the Eastern side of Lease Buffer zone.



Afforestation on the Southern side of Lease Buffer Zone



Afforestation on the Western side of Lease Buffer Zone

<p style="text-align: center;">HANNA ROCK PRODUCTS (Pvt.) LIMITED Meenkunnam, South Marady, Muvattupuzha Taluka, Ernakulam District Tel. No. +91 9544505901, 03 & 04 DETAILS OF EXPENDITURE FOR AFFORESTATION FROM 01- APRIL 2023 30 SEPTEMBER 2023</p>			
1	15-05-2023	Yellow Bamboo 1000 Nos St.James Nursery vytla	25000
2	09-07-2023	KSCSTE Jawaharlal Nehru Tropical Botanical Garden and research Institute Dendrocalamus calostachyus 500 Nos, Bamboo Tulda 425 Nos.	46250
3	26-07-2023	Yellow bamboo sapling 2000 Nos. Mahaganey sapling 150 Nos.	52250
4	02-08-2023	KSCSTE Jawaharlal Nehru Tropical Botanical Garden and research Institute 900 Nos. of bamboo Saplings	45000
5	03-08-2023	Jawaharlal Nehru Tropical Botanical Garden and research Institute D. Longispathus 870 nos albociliate 100 nos)	47500
6	19-08-2023	Yellow Bamboo Saplings 1500 Nos St James Nursery, Vytla	37500
7	12-09-2023	Yellow Bamboo Splings 2000 Nos St James Nursery, Vytla	50000
8	15-09-2023	KSCSTE Jawaharlal Nehru Tropical Botanical Garden and research Institute bamboo 1000 Nos	30000
9	23-09-2023	Yellow Bamboo 2000 Nos St James Nursery, Vytla	50000
		Total	3,83,500.00



POLUCHEM LABORATORIES PVT LTD

CHEMICAL, ENVIRONMENTAL AND MICROBIOLOGY LABORATORY

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TEST REPORT

Page 01 of 01

Client Name & Address	Certificate No:	PL/AMB/RT/8943/2023
Mr.Shans Paul Manging Director M/s Hanna Rock Product Pvt.Ltd, Sattalite Parathittal Road South Marady P.O. Muvattupuzha.	Date of issue:	21/10/2023
	Date of monitoring	17/10/2023
	Date of sample received:	18/10/2023
	Date of analysis	18/10/2023
	Monitoring Location	Quarry Owned by M/s Hanna Rock Product Pvt.Ltd, Survey No:s.80/1A,2,3,4,5,6,7,8,9 ,10,11,12,13,14,15,16, 17,18,19,20,21,79/2 Panchayath :Arakuzha Taluk : Muvattupuzha Village : Arakuzha District :Ernakulam, Kerala
	Sample description	Ambient air – Near East side boundary
	Sample code given by client	Nil

SL NO	PARAMETERS	TEST METHOD	RESULTS	Limit as per NAAQS
01	Particulate Matter (PM ₁₀)	IS 5182 Part 23 2006 RA 2012	54.6 µg/m ³	100 µg/m ³
02	Particulate Matter (PM _{2.5})	CPCB	23.1 µg/m ³	60 µg/m ³
03	Sulphur dioxide	IS 5182 Part 2 2001 RA 2017	3.1 µg/m ³	80 µg/m ³
04	Nitrogen dioxide	IS 5182 Part 06 2006 RA2017	5.4 µg/m ³	80 µg/m ³

Note: NAAQS-National Ambient Air Quality Standards

* End of the Report*

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For and on behalf of
POLUCHEM LABORATORIES (P) LTD.

(Signature)
AUTHORIZED SIGNATORY

POLUCHEM LABORATORIES PVT LTD



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Client Name & Address	Certificate No:	PL/RT/SD/8945/2023	
Mr.Shans Paul Manging Director M/s Hanna Rock Product Pvt.Ltd, Sattalite Parathittal Road South Marady P.O. Muvattupuzha	Date of issue:	21/10/2023	
	Date of monitoring	17/10/2023	
	Monitoring Location	Quarry Owned by M/s Hanna Rock Product Pvt.Ltd, Survey No:s.80/1A,2,3,4,5,6,7,8,9 ,10,11,12,13,14,15,16, 17,18,19,20,21,79/2 Panchayath : Arakuzha Taluk : Muvattupuzha Village : Arakuzha District : Ernakulam, Kerala	
	Sample Description	Ambient Sound Level -East Side	
HOURLY INTERVAL	RESULT	HOURLY INTERVAL	RESULT
06.00 Hrs	44.8 dB (A)	23.00 Hrs	38.4 dB (A)
07.00 Hrs	45.4 dB (A)	00.00 Hrs	37.5 dB (A)
08.00 Hrs	43.5 dB (A)	01.00 Hrs	36.4 dB (A)
09.00 Hrs	44.8 dB (A)	02.00 Hrs	35.1 dB (A)
10.00 Hrs	45.6 dB (A)	03.00 Hrs	33.6 dB (A)
11.00 Hrs	46.9 dB (A)	04.00 Hrs	32.8 dB (A)
12.00 Hrs	47.8 dB (A)	05.00 Hrs	34.2 dB (A)
13.00 Hrs	49.6 dB (A)		
14.00 Hrs	50.2 dB (A)		
15.00 Hrs	51.6 dB (A)		
16.00 Hrs	49.4 dB (A)		
17.00 Hrs	47.6 dB (A)		
18.00 Hrs	46.6 dB (A)		
19.00 Hrs	44.9 dB (A)		
20.00 Hrs	43.6 dB (A)		
21.00 Hrs	41.8 dB (A)	LDay	47.6 dB (A)
22.00 Hrs	40.5 dB (A)	LNight	36.8 dB (A)

Limits: Industrial Area Day Time-75dB(A),Night Time- 70dB(A),Commercial area Day Time -65 dB(A),Night Time 55dB(A),
Residential area Day Time -55 dB(A),Night Time -45dB(A),Silence zone day time-50dB(A),Night time-40dB(A)
Day Time from 06.00 am to 10.00 pm & Night Time from 10.00 pm to 06.00 am

*End of the Report *

For Poluchem Laboratories (P) Ltd.

SREEJA RAMESH
Authorized Signatory



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TEST REPORT

Page 01 of 01

Ref.No. PL/RT/OW/8946/2023

Name & address of customer

Date of Issue: 21/10/2023

: M/s Hanna Rock Product Pvt.Ltd,
Survey No:s.80/1A,2,3,4,5,6,7,8,9,
10,11,12,13,14,15,16,
17,18,19,20,21,79/2
Panchayath: Arakuzha
Taluk: Muvattupuzha
Village: Arakuzha
District: Ernakulam, Kerala

Sample drawn by

Sample description

Location of sampling

Date of sample collected

Date of analysis started

Date of completion of analysis

: Poluchem Laboratory Sample Collector
: Drinking Water
: Open Well-Out Side-North West Side
: 17/10/2023
: 18/10/2023
: 21/10/2023

Parameters tested	Test method	Results	Acceptable Limit As Per IS 10500-2012
Color	IS 3025 (P) 04 – 1983 RA2017	7 Hazen Unit	5 Hazen Unit
Odour	IS 3025 (P) 05 – 1983 RA2017	Agreeable	Agreeable
Turbidity	IS 3025 (P) 10 – 1984 RA2017	1.1 NTU	1 NTU
pH	IS 3025 (P) 11 – 1983 RA 2017	6.67	6.5 – 8.5
Total Dissolved Solids	IS 3025 (P) 16 – 1984 RA2017	104 mg/l	500 mg/l
Total Hardness as CaCO ₃	IS 3025 (P) 21 – 1983 RA2014	24 mg/l	200 mg/l
Total Alkalinity as CaCO ₃	IS 3025 (P) 23 – 1986 RA2014	44 mg/l	200 mg/l
Residual Chlorine	IS 3025 (P) 26 – 1986 RA2014	BDL	0.2 mg/l
Chloride as Cl ⁻	IS 3025 (P) 32 – 1988 RA2014	29.89 mg/l	250 mg/l
Calcium as Ca	IS 3025 (P) 40 – 1991 RA2014	7.21 mg/l	75 mg/l
Magnesium as Mg	IS 3025 (P) 46 – 1994 RA2014	1.45 mg/l	30 mg/l
Total Iron as Fe	IS 3025 (P) 53 – 2003 RA2014	0.28 mg/l	0.3 mg/l
Sulphate as SO ₄	IS 3025 (P) 24 – 1986 RA2009	6.56 mg/l	200 mg/l
Fluoride as F	IS 3025 (P) 60 -2008 RA 2013	BDL	1.0 mg/l
Zinc as Zn	IS 3025 (P) 49 – 1994 RA2014	BDL	5 mg/l
Manganese as Mn	IS 3025(P) 59– 2006 RA2017	BDL	0.1 mg/l
Cadmium as Cd	IS 3025(P) 41– 1992 RA2014	BDL	0.003 mg/l
Lead as Pb	IS 3025(P) 47– 1994 RA2014	BDL	0.01 mg/l
Coliforms(MPN/100ml)	IS 1622: 1981 RA 2009	50	Absent
Ecoli (Present or Absent/100ml)	IS 1622: 1981 RA 2009	Absent	Absent

Note: BDL – Below Detection Level

For Poluchem Laboratories (P) Ltd.

* End of the report*

Authorized signatory

QUALITY MANAGER

POLUCHEM LABORATORIES PVT LTD

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TEST REPORT

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Mr.Shans Paul Manging Director M/s Hanna Rock Product Pvt.Ltd, Sattalite Parathittal Road South Marady P.O. Muvattupuzha	Date of issue:	21/10/2023
	Date of monitoring	17/10/2023
	Monitoring Location	Quarry Owned by M/s Hanna Rock Product Pvt.Ltd, Survey No:s.80/1A,2,3,4,5,6,7,8,9 ,10,11,12,13,14,15,16, 17,18,19,20,21,79/2 Panchayath :Arakuzha Taluk : Muvattupuzha Village : Arakuzha District :Ernakulam, Kerala
	Sample Description	Soil
Parameter	Test Method	Results
pH	IS 2720(Part25)-1973	6.46
Electrical Conductivity	IS 14767:2000RA2016	95 μ S/cm
Potassium as K	EPA 3050 B	46 mg/kg
Phosphorus as P	IS 10158 :1982 RA 2014	38 mg/kg
Nitrogen as N	IS 14684: 1999 RA 2014	74 mg/kg
Organic Carbon	IS2720(Part 22)-1972	0.78 %
Calcium	EPA 3050 B	91 mg/kg
Magnesium	EPA 3050 B	45 mg/kg
Chloride	UEPA9212	151 mg/kg
Sulphate	IS 2720 Part27:1977	77 mg/kg

For Poluchem Laboratories (P) Ltd.

Authorized Signatory.

End of the Report

SREEJA RAMESH
QUALITY MANAGER
POLUCHEM LABORATORIES PVT LTD

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HANNA ROCK PRODUCTS (Pvt.) LIMITED Meenkunnam, South Marady, Muvattupuzha Taluka, Ernakulam District Tel. No. +91 9544505901, 03 & 04 DETAILS OF EXPENDITURE UNDER CORPORATE SOCIAL RESPONSIBILITY FROM 01-APRIL 2023 30 SEPTEMBER 2023			
SL.NO	DATE	PARTICULAR	AMOUNT
1	01-04-2023	Donation Ashraya Charitable Society Koothattukulam	3000
2	17-04-2023	Donation- Govt. U P School Parathittal (school Renovation)	30175
3	24-04-2023	Donation To Meenkunnam Thrikka Mahadeva Temple Maradi	15000
4	28-04-2023	Donation TO Medical Expenses-Sini Muvattupuzha	50000
5	04-05-2023	Donation To Inspire Charitable Society Chavara	50000
6	05-05-2023	Haritha Karmasena (may)	100
7	06-05-2023	Medical Expences For Gopalakrishnan	1000
8	08-05-2023	Medical expenses For Mariyakutty Muvattupuzha	1000
9	09-05-2023	Donation For Aasrayam Charitable Society	8000
10	09-05-2023	Donation For Aasraya Charitable Society Koothattukulam	3000
11	11-05-2023	Medical Expenses- Kuriyachan, Mandanakkara (H) marady	20000
12	15-05-2023	Donation For Kerala Cheramar Sangam	2500
13	22-05-2023	Medical Expences For Sebastine Maniankallu, Jawahar olony, Meenkunnam	50,000
14	23-05-2023	Medical Expenses-Baby Parakattil Muvattupuzha	4000
15	24-05-2023	Donation For Milan Arts And Sports Club East Marady	75000

16	26-05-2023	Donation For LFLP School Meenkunnam Renovation	59378
17	27-05-2023	Donation- Govt. U P School Parathittal (school Renovation)	26906
18	29-05-2023	Medical Expences For Sneha Varghese D/o varghese Muvattupuzha	2000
19	01-06-2023	SchoolPrevesenothsavam	1000
20	01-06-2023	Providing Food For Kg/Lp Students (Govt.LP/UP School Kayanadu)	25000
21	02-06-2023	Donation For 7's Football Tournament Kayanadu	4000
22	10-06-2023	CSR Donation	15000
23	10-06-2023	Medical Expences For Abdul Manaf Muvattupuzha	2000
24	10-06-2023	Medical Expences For M A Shiju, Manthattil (h) Kadayirippu P. O	1000
25	13-06-2023	Donation For Aasrayam Charitable Society Kottayam	8000
26	16-06-2023	Donation For L F L P School Meenkunnam For Providing noon Meals June	4000
27	10-06-2023	Donation For Dhalith Vikasana Munnani	500
28	19-06-2023	Donation For Ashraya Charitable Society	3000
29	19-06-2023	Donatin For Saamuhiya Paripravarthana Presthanam	2500
30	16-06-2023	Donation For Medical Expenses Of Binu Cheriyan Kottayam	25000
31	21-06-2023	Donation- LFLPS Meenkunnam,Renovation	112646
32	22-06-2023	Haritha Karma Sena June	100
33	22-06-2023	Donation For Kerala Chermar Sankham (K C S) H O Kurichi, Kottayam	1000
34	22-06-2023	Donation For Medical Expences Of Ajayan Pradhan,S/O Santhosh,Pongadiyil (H) Kizhakkambalam	3000

35	24-06-2023	Donation For Medical Expenses Of Snaha Varghese Muvattupuzha	2000
36	03-07-2023	Donation For Kerala Dalit Democratic Federation. (KDF) Ernakulam district committee	2500
37	03-07-2023	Donation For Medical Expenses Of Eldhose, Kathanikari, E. Marady	2000
38	06-07-2023	Donation for Providing noon meal (Govt H.S.S School East Marady) June	3000
39	07-07-2023	Donation for Providing noon meal (Govt U P School South Marady)	15000
40	12-07-2023	Donation For Aasrayam Charitable Society office-Ramapuram, Kandathil Bldg, kottayam	8000
41	12-07-2023	Donation For Providing Noon meals (Govt. L P School Kurukkunnapuram) JUNE	5000
42	13-07-2023	Donation For Providing School Noon Meals (Govt. u p school S. Marady)	15000
43	13-07-2023	Donation For Medical Expenses Of Sebastin Maniyankallu, at Lissy Hospital Ernakulam	15000
44	13-07-2023	Donation For Road Maintenance (Kollarmala road near mvpa canal)	2000
45	13-07-2023	Donation For House Renovation cancer patient (Piramadom)	42585
46	14-07-2023	Donation For East Marady High School	3000
47	15-07-2023	Donation For Medical Expenses Of Sonu Baby Muvattupuzha	25000
48	17-07-2023	Donation- C T Varghese Muvattupuzha	2000
49	17-07-2023	Donation For Road Maintenance - Maniyankallu high school Road	7500
50	18-07-2023	Donation Ashraya Charitable Society Koothattukulam	3000
51	18-07-2023	Donation For Road Maintenance Mannathoor jn. (Piravom-Muvattupuzha Road)	9000
52	18-07-2023	Donation-Snaha thanal C/O Kannan	5000

53	19-07-2023	Donation For Medical Expences Of Jerin Kanarical house East Marady.	10000
54	19-07-2023	Salary For English Teacher June (Little Flower LP School Meenkunnam)	6000
55	19-07-2023	Providig School Noon Meal June (Little Flower LP School Meenkunnam)	4000
56	19-07-2023	Donation For Medical Expences Of Jerin Kanarical house East Marady.	25000
57	27-07-2023	Haritha Karma Sena July	100
58	27-07-2023	Medical Expenses- George Aarakuzha	1000
59	29-07-2023	Donation For Studies-LBS Centre For Science And Technology (Admission for nursing)	25020
60	31-07-2023	Medical Expeses-Amal Thirumeni	10000
61	01-08-2023	Donation- St.Johns orphanage, Njarakkadu (footwears)	39000
62	01-08-2023	Donation- salary for the english teacher July (L F L P School Meenkunnam)	6000
63	01-08-2023	Donation- Govt.U P School Parathitta	15000
64	02-08-2023	Donation-Thrikka Temple south marady	23200
65	02-08-2023	Donation-providing noon meals for students(L F L P School meenkunnam) JULY	4000
66	02-08-2023	Donation- salary for the english teacher (L F L P School Meenkunnam) JULY	6000
67	02-08-2023	Donation-Mathrubhumi madhuram manoharam (Govt u p school South Marady)	6600
68	03-08-2023	Donation- Mathrubhumi Madhuram Manoharam (govt V.H.S.C East marady)	6600
69	04-08-2023	Donation-Thrikka Temple South Marady	4600
70	04-08-2023	Donation-Salary for English teacher-Jincy Paulose (July) Govt U P School South Marady)	15000
71	04-08-2023	Tea for the college C/O Santhosh and Latha Santhosh (Micro Biology/M.Sc)	25000
72	07-08-2023	Donation- Shivasena Uddhav Bala Saheb Thackeray-Ganasa Ulsavam	4000

73	09-08-2023	Donation- Admission fee Malankara Orthodox Syrian College Of Nursing	120504
74	09-08-2023	Donation-Onam Celebration Koothattukulam Municipality	18000
75	09-08-2023	Donation for providing noon meals august (L F L P School Meenkunnam)	4000
76	10-08-2023	Medical Expenses- Snaha Varghese Muvattupuzha	2000
77	10-08-2023	Donation-providing noon meals for students Govt LP School Kurukkunnapuram (July)	5000
78	10-08-2023	Donation-NREG Workers Union Kudumbasree	2000
79	12-08-2023	Donation-All India Pattikavarga Samrakshana Samithi Kottayam	2000
80	12-08-2023	Aasrayam Charitable Society Kottayam	8000
81	14-08-2023	Donation-Swapnadhara Charitable trust,thiruvananthapuram	500
82	16-08-2023	Donation-Association of Tax Practitioners	7000
83	16-08-2023	Donation-public library and reading room Meenkunnam(Building Renovation)	10000
84	17-08-2023	Haritha Karmasena (August)	100
85	18-08-2023	Aasraya Charitable society Koothattukulam(Providing dress for children-ONAM)	2000
86	18-08-2023	Aasraya Charitable society Koothattukulam(Providing food)	3000
87	18-08-2023	Donation-Provide White board Govt U P School Pandapally	18750
88	22-08-2023	Donation-LA.KO Brothers Meenkunnam ,onam celebration2023	20000
89	22-08-2023	Donation- Anganavadi,Aroor, Meenkunnam Onam celebration	1000
90	22-08-2023	Onam Celebration Yuvabhavana Grandhasala Rackad,Muvattupuzha	5000

91	23-08-2023	A Non Profitable Charitable Trust And Society	1500
92	23-08-2023	Medical Expenses-Animon P A Puliymmakkil (H) South Marady Muvattupuzha	7000
93	23-08-2023	Donation-School onam celebration (GVHSS East Marady)	27021
94	24-08-2023	Donation-Onam Celebration Govt L P School Kurukkunnapuram	15577
95	24-08-2023	Donation-onam celebration Govt U P School Pandapilly	11870
96	27-08-2023	Donation- Vadakkan Maradi Paurasamiti onam celebraton	10000
97	31-08-2023	Donation- Toilet Construction Viji Roy Illikunnel (H) Meenkunnam P O, Arakuzha	25000
98	31-08-2023	Donation-salary for the english teacher Jincy Paulose Augest(Govt U P School Parathitta)	15000
99	02-09-2023	Donation-Peringazha Pauraavali onam celebration	10000
100	08-09-2023	Donation-School onam celebration (Govt U P School South Marady)	34200
101	06-09-2023	Medical Expenses-Adhithya Arun,Kakkanattutharappil	3000
102	08-09-2023	Donation providing noon meals Govt L P School Kurukkunnapuram (Augest)	5000
103	12-09-2023	Donation to Snaha Varghese College of Nursing Admission	100000
104	12-09-2023	Aasrayam Charitable Society Kottayam	8000
105	13-09-2023	Haritha Karma Sena September	100
106	18-09-2023	Asraya Charitable society Koothattukulam	3000
107	18-09-2023	Medical Expenses- Snaha Varghese Muvattupuzha	2000
108	23-09-2023	Donation For Kerala Kaumidhy-Campaign Against Drugs	5000

109	26-09-2023	Medical Expenses-Baby Parakattil Muvattupuzha	5000
110	26-09-2023	Oruma Charitable society, Neezhoor P O, Kottayam	2500
111	27-09-2023	Salary For The English Teacher august L F L P School Meenkunnam	6000
112	27-09-2023	Donation-Providing Noon Meals L F L P School Meenkunnam August 2023	4000
113	27-09-2023	Donation For Womens Health Magazine	5000
114	27-09-2023	Donation-kerala karshaka thozhilali fedaration Muvattupuzha Taluk	5000
115	28-09-2023	Medical Expenses-Pakruthen K.H Padijarethazhath Puthenveed (H)Petta, Muvattupuzha	1000
116	29-09-2023	Medical Expenses- M.Padhmanabhan Kalapurackal(h) Pakkil P O	2000
117	29-09-2023	Donation-Govt U P School,Pandappilly	5000
		TOTAL	1559132