

# H&P GRANITES

6/530, MANKADU,  
KUMMIL P.O , KOLLAM DIST – 691536

PH.07559945903, 9447267121  
EMAIL: HANDPGRANITES@GMAIL.COM

H&P/ENV/Compliance/2019-20/02

Date: 27.11.2020

To

1. State Environment Impact Assessment Authority (SEIAA) Kerala  
K.S.R.T.C Bus Terminal Complex,  
4<sup>th</sup> Floor Thampanur,  
Thiruvananthapuram – 695 001
2. The Additional Principal Chief Conservator of Forests (C)  
Ministry of Environment, Forests & Climate Change,  
4<sup>th</sup> Floor, E & bF Wing, Kendriya Sadan,  
Koramangala, Bangalore -560 034  
Karnataka State

Sir,

Sub: Environment Compliance report

Please find enclosed the Six Monthly Compliance report in respect of M/s. H & P Granites (Ref. Environmental Clearance No. 1087/EC3/SEIAA/2016 dated:29.11.2017) for the period from October 2019 to March 2020 for your ready reference. It may kindly be noted that the above report have already been sent by email ([seacseiaakerala@gmail.com](mailto:seacseiaakerala@gmail.com) and [rosz.bng-mef@nic.in](mailto:rosz.bng-mef@nic.in)) to your respective offices for record.

We deeply regret for the delay in submission of the above Compliance Report due to COVID-19 pandemic. We assure that in future the same shall be submitted within the stipulated time.

Thanking you,

Yours faithfully,



FOR H&P GRANITES  
(Patil Somnath Laxman)

Mines Manager

Encl: as above

# COMPLIANCE REPORT

Of

M/s. H & P GRANITES

6/530, Kondody

Village: Kummil, Taluk: Kottarakkara

District: Kollam, State: Kerala

**For the Period 1<sup>st</sup> October 2019 to 31<sup>st</sup> March 2020**

## SPECIFIC CONDITIONS:

Sr.No.	Conditions	Precautions Taken
1.	The three buildings located within 100m distance of the project site as reported by the inspection team should be demolished and an affidavit to this effect should be submitted before the issuance of EC.	Three buildings are already demolished
2.	Catch water drains to be provided to channelize storm water and suitable mechanism for clarification before water is let out into the valley.	Water drains are provided in the quarry, through which water will collect in RWH Structure and the overflow of which is again collected in the settling pond, from settling pond the clean water is let out into the valley

3.	Dedicated RWH structure may be provided in the lower part to enhance water availability.	RWH Structure Provided
4.	If any rare, endemic and threatened plant species are noticed, they shall be properly protected insitu or transplanted to a suitable site inside the lease area.	If any such species found, care shall be taken to protect it

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 in the pit.	
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.Patil somnath Laxman as Mines Manager 2. Mr.Mainikar Karan Mine as Foreman 3. Mr.Saneesh Mullackal as member and we are reporting to Mr. Harish G. Nair, Managing Partner	
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.	Planted Trees	
G-4	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	Solar energy likely to be extend to possible areas in Quarry	
G-5	Sprinklers shall be installed and used in the project site to contain dust emissions.	All access road to the quarry provided with automatic sprinklers and water tanker is also available	
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 deep portion of the working pit and settling pond shall be kept for rain water storage which in turn will recharge the surrounding water table and the remaining area should be reclaimed with overburden and suitable indigenous plant species shall be planted	



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 (October 19 to March 20) is enclosed 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 after Siren only, followed by removing all machineries & persons from blasting zone. Blasting Time board is fixed at the entrance of quarry.	
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	
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 interlocking bricks and are widened by same interlocking bricks & 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 and Topsoil are placed in the designated area	

Item No.	Stipulations in EC	Status of Compliance	Status of Compliance
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.	Since the quarry recently started it is within stipulated depth	
G-20	No mining operations should be carried out at places having a slope greater than 45°.	Mining operations are carried out as per the Approved Mining Plan	
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, 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 in the pit and from there it is diverted to settling pond. Other areas are provided with drains to divert the water to the main drainage.	
G-24	The transportation of minerals should be done in covered trucks to contain dust emissions.	Water is sprinkled on the loaded trucks with pipe and Transportation trucks are provided with thick tarpaulin covers to avoid dust problem	
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 28/11/2022	
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.	Petroleum & Explosives Safety Organisation (PESO) Formerly-Department of Explosives has given license for use of Explosives from magazine	



Item No.	Stipulations in EC	Status of Compliance	Remarks
G-32	<p>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</p>	<p>Planning to change the scope and approached SEIAA for approval</p>	
G-33	<p>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.</p>	<p>Any additional safeguard measures issued shall be followed and implemented</p>	
G-34	<p>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.</p>	<p>All stipulations are being complied with</p>	



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 <a href="http://www.seiaa.kerala.org">www.seiaa.kerala.org</a>. 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>	<p>-Complied with -</p>	
G-36	<p>A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ District 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>	<p>Environment Clearance letter along with the conditions stipulated is submitted to Village panchayat.</p>	

Item No.	Stipulations in EC	Status of Compliance	Remark
G-37	<p>The proponent shall submit half yearly reports on the status of compliance of the stipulated EC</p> <p>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</p>	<p>Compliance reports being sent to SEIAA –Kerala Office and Regional office of MoEF –Bangalore</p>	
G-38	<p>The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft. x 3 ft. with green background and yellow letters of Times New Roman font of size of not less than 40. Signboard with extent of lease area and boundaries shall be depicted at the entrance of quarry, visible to the public</p>	<p>Details are displayed in front of Office</p>	
G-39	<p>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</p>	<p>-Complied-</p>	
G-40	<p>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.</p>	<p>-Shall be complied-</p>	
G-41	<p>Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended places loading and unloading points &amp; transfer point to reduce fugitive emissions.</p>	<p>Monitoring of Ambient Air Quality is being carried out regularly and results are enclosed</p>	

Item No.	Stipulations in EC	Status of Compliance	Remark
G-42	<p>Monitoring of Ambient Air Quality to be carried out based on the Notification 2009, as amended places loading and unloading points &amp; transfer point to reduce fugitive emissions.</p>	<p>Monitoring of Ambient Air Quality for fugitive emissions is being carried out regularly</p>	
G-43	<p>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.</p>	<p>Topsoil is stored separately and will be using during plantation. Dump is maintained as per the Approved Mining Plan</p>	
G-44	<p>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.</p>	<p>Catch drains and siltation ponds are provided to arrest the eroded material</p>	



Item No.	Stipulations in EC	Status of Compliance	Remark
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 <sub>10</sub> and PM <sub>2.5</sub> 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.	Two water tanker of 10 K capacity is kept in quarry area and water is sprinkled on regular basis	
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	Haul roads and transfer points 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	
G-48	A separate environmental management cell with suitable qualified personal 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 partner	
G-49	The funds earmarked for environmental protection measures and CSR activate 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	Remark
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 is case of any such violations of the provision of EC	
G-54	The above conditions shall prevail not withstanding 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 being strictly 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.	There is no stream in and around Lease area	
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 will be carried out.	



FOR H&P GRANITES

(Patil Somnath Laxman)

Mines Manager



## ANNEXURE-1

**M/s. H & P GRANITES**

6/530, Kondody, Kummil. P.O,  
Kottarakkara Taluk  
Kollam District  
Tel. No. +91 9447267121

DETAILS OF EXPENDITURE UNDER CORPORATE SOCIAL RESPONSIBILITY FROM  
OCTOBER 2019 to MARCH 2020

SR. NO.	DATE	PARTICULARS	AMOUNT	REMARKS
1	04.10.2019	GOVT LPS Muthayil	5000	
2	05.10.2019	E K Nayanar Library Arts & Sports Club Kondodi Kummil	10000	
3	05.10.2019	Ek Nayanar Llibrary Kummil	5000	
4	07.10.2019	Akshara Grandhasala Thachonam, Vattathamara P.O	5000	
5	08.10.2019	Sree Ayiravilly Kshetram Nadapara Kummil	2500	
6	09.10.2019	Namma Charitable Trust	1000	
7	09.10.2019	Thattile Brothers Mangadu	25000	
8.	13.10.2019	Kerala State Karshaka Thozhilali Union Kadakkal area Sammelenam	20000	
9	14.10.2019	Gurukulam Library & Reading room arts & sports club eyyakkode	3000	
10	16.10.2019	Dalith Seva Samithy	500	
11	17.10.2019	Sree Ayiravilly Shetram Nadappra Kummil	3000	
12	17.10.2019	E.M.S Samaraka Grandhasala, Vattathamara	5000	
13	28.10.2019	Principle Secretary CMDRF (demand draft no 649510,649511)	25000	
14	04.11.2019	Govt LPS Muthayil	5000	
15	04.11.2019	Principal Secretar CMDRF (chq no 128486 FB Muvattupuzha)	100000	
16	05.11.2019	E.N Nayahar Grandsala Sangavedhi Art & Sport Club Thulassimukku kummil	35000	

17	06.11.2019	Kondodi Town Juma Masjid	10000	
18	06.11.2019	C/O Irshad Member Kummil Provide Toilet for the poor family	8850	
19	07.11.2019	Janakshema Kala Samskarika Samithy Muthayii	25000	
20	07.11.2019	Akhila Kerala Bakthi Samrakshana Samithy	250	
21	08.11.2019	Mukkummam Nabidhinom	15000	
22	09.11.2019	Nabidhihagosham Reshankado Junction Kummil	1500	
23..	11.11.2019	Desheeya Paristhithi Samrakhana Sangam	500	
24.	13.11.2019	GOVT LPS Mangadu	2655	
25.	14.11.2019	GOVT LPS Mangadu	12676	
26.	16.11.2019	Kerala School Teacher Association	5000	
27.	17.11.2019	Seree Ayiravilly Kshctran Nadappara Kummil	3000	
28.	18.11.2019	Socialist Janatha Sangaman	25000	
29.	19.11.2019	Gups Mankandu	14500	
30.	20.11.2019	Rijud Revathy Balvan Panacode	2000	
31.	21.11.2019	Muth Kerala Rassol Daff Sangam, Kummil	3000	
32.	25.11.2019	Akhila Kerala Bakthi Samrakshana Samithy	200	
33.	02.11.2019	Kerala Forest Protective Staff Association	10000	
34.	02.12.2019	GOVT LPS Muthayil	5000	
35.	02.12.2019	Chief Minister's Distress Relief Fund Kerala	100000	
36.	03.12.2019	Chief minister's Distress Relief Fund Kerala	25000	
37	03.12.2019	Kerala State School Bus Operators Union	5000	
38.	04.12.2019	Sevana Vikas Kendhra	500	
39.	05.12.2019	Shree Dharma Sastha Temple Mathira	5000	
40.	05.12.2019	Mankadu Vayanasala	25000	
41.	06.12.2019	Pattikajathi Vargha Christian Federation	500	
42.	06.12.2019	S.W.A Shinkarimelam Walfare Association	1500	
43	06.12.2019	Tipper J.C.B Owner Drivers Association	5000	



44.	11.12.2019	Hindu Sena	2000	
45.	12.12.2019	Electricity Worker	1500	
46.	16.12.2019	Sree Ayiravilly Kshetram Nadapara Kummil	3000	
47.	16.12.2019	Kallara LP School	3135	
48.	19.12.2019	Dravida Vargha Aikyamunhani	1000	
49.	20.12.2019	SNDP Yogham Kadakkal Unith (Parida Pathathi)	5000	
50.	27.12.2019	Kadakkal Meghala Janakeeya Samithy	5000	
51.	27.12.2019	Sree Ayiravilly Temple Nadapara	10000	
52.	28.12.2019	Govt Higher Secondary School Kummil	15000	
53.	01.01.2020	Govt LPS Muthayil	5000	
54.	04.01.2020	Sree Dharma Sastha Temple Paarayambalam Ilavumkonam Kummil	30000	
55.	06.01.2020	Nanma Charitable Trust	200	
56.	13.01.2020	Sree Ayyappakshetram Trust Saiduval	1500	
57.	14.01.2020	Thrikkannapuram Sree Mahavishnu Kshetram	5000	
58.	14.01.2020	Sree Ayiravilly Temple Nadapara	3000	
59.	15.01.2020	Paristhithi Samrakshanavijaravedhi	3000	
60.	16.01.2020	Akhil Bharath Hindu Mahasabha	1500	
61.	17.01.2020	Kerala State Service Pensioners Association	5000	
62.	21.01.2020	Sukritham Blood and Charity Venjaramoodu	5000	
63.	22.01.2020	Kranthi Grendhashala	2000	
64.	24.01.2020	Fantasy Brothers	10000	
65.	28.01.2020	Mathira Thiruvathira (Thottumukku)	2500	
66.	29.01.2019	Vellathankonam Sree Subrahmanya Swami Kshetram	10000	
67.	31.01.2020	Mathira Thiruvathira (1-No Eduppukothira)	4000	
68.	03.02.2020	GOVT LPS Muthayil	5000	
69.	03.02.2020	Mathira Thiruvathira (Kettukazh – Puthussery Kizhakkekara)	2000	
70.	04.02.2020	Mathira Thiruvathira (Thoottickal	3000	



71.	04.02.2020	Mathira Sivakshetram (3-NO Eduppukuthira)	2500	
72.	04.02.2020	Mathira Thiruvathira (KTM Brothers-Deepalangaram)	2500	
73.	04.02.2020	Edavoorkonath Kava Shree Bhuvaneswarikshetram	4000	
74.	04.02.2020	Kallara Maholsavam (Motor Owners & Workers Kallara)	2750	
75.	04.02.2020	Pranavam Vayanashala Arts & Sports Club Thettimukku Mathira	2500	
76	04.02.2020	Aided Sector Samvarana Samara Samithi Kollam	2500	
77	04.02.2020	Troops Arts & Sports Club Mathira	2500	
79	05.02.2020	Samajwadi Janata Party	500	
80	05.02.2020	Mathira Thiruvathira (Thoottickal Kettukazcha)	2000	
81	05.02.2020	Mathira Thiruvathira (Chekkittamukku Deepalangaram)	2000	
82	05.02.2020	Kimsat (Kadakkal Insitituye of Management Science and Technology)	500000	
83	05.02.2020	Boothathankav (Kettukazcha)	2000	
84	07.02.2020	Kadakkal Thiruvathira (Aanappara,Maniyanmukku,Cherukara-5 No Eduppukuthira)	20000	
85	07.02.2020	Palamoodu Sree Appooppa Nada Kshethram Modlappozhu, Moonnumukku Kavadi Goshayatram	750	
86	11.02.2020	Mullakkara, Aanappara Uidayankayu Shivakshetram	5000	
87	12.02.2020	Kerala Karshaka Sangam-26 <sup>th</sup> Samsthana Sammelanam	3000	
88	13.02.2020	Madhyaman Thiruvananthapuram	25000	
89	13.02.2020	Sree Ayiravailly Kshetram Nadapara	3000	
90	16.02.2020	Kummil Shivaratri Arattu Mohatsavam	15000	

		Oonnankallu Yuvavedhi Art & Sport Club (Kettukazhcha)		
91	17.02.2020	Kummil Shivaratri Arattu Maholtsavam Kummil Kizhakkekara (Kettukazhcha)	2000	
92	18.02.2020	Shivaratri Aghosham 2020 Ganamela Samanoya Grendhashala	10000	
93	18.02.2020	Maruthamon Mantramoorthinada Shivakshetram	2500	
94	19.02.2020	Kerala Karshaka Sangam-26 <sup>th</sup> Samsthana Sammelanam	30000	
95	19.02.2020	Kadakkal Thiruvathira (Cherukara- Kettukazhcha)	4000	
96	26.02.2020	Kadakkal Thiruvathira (Motor Owner & Worker Kadakkal)	7000	
97	02.03.2020	GOVT LPS Muthayil	5000	
98	03.03.2020	Kadakkal Kshetra Upadeshakasamithi	2000	
99	03.03.2020	Kadakkal Kshetra Upadeshakasamithi	1000	
100	03.03.2020	Sree Ayiravilly Kshetram Mullakkara Vattathamara	2500	
101	09.03.2020	Akshara Grandhasala, Thachonam, Vattathamara P.O	10000	
102	09.03.2020	Shree Dharma Sastha Kshethram Trust, Bajanamadam, Mathira	2500	
103	09.03.2020	Yuva Arts & Sports Club	1000	
104	10.03.2020	Kummil Shivaratri Aaraattu Moholtsavam (Ek Nainar Grendhashala & Sangavedi club)	20000	
105	11.03.2020	Muthayil Muslim Jamaathu (Muthayil Town Namaskara Palli)	5000	
106	14.03.2020	Shree Ayiravilly Kshetram Nadapara, Kummil	3000	
107		Water Supply to Kummil village	324000	
<b>TOTAL</b>			<b>22,41,016</b>	

Financial assistance extended to the house owners for repair & renovation of their houses around quarry area (Non-Recurring)

SR. NO.	PARTICULARS	APROX. AMOUNT	VILLAGE
1.	Chandra makhi	1000000	Kummil
2.	Sethukutty Amma		

  
FOR H&P GRANITES  
(Patil Somnath Laxman)  
Mines Manager



**TEST REPORT**

ULR No:TC540220000001612F	Date: 25.08.2020	Page 1 of 2
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CUSTOMER DETAILS		
Customer Details	Name & Address	M/s H&P Granites 6/530, Kondody, Kummil P.O, Kottarakkara, Kollam District.
Location of Site	Re Survey No	462/01, 462/01-02, & Others (Patta Land) 464,465/03 & Others (Govt.Land)
	Village	Kummil
	Taluk	Kottarakkara
	District	Kollam
	State	Kerala
Customer Reference	Test Request form dated 22.08.2020	

SAMPLE DETAILS			
Sample Code	WT20080008	Sample Received on	22.08.2020
Sample Name	Water	Sampling Procedure	---
Sample Description	Open Well	Sampling Location	Near to Project Site
Identification by Customer	---	Sample Condition	Fit for Analysis
Sampled on	---	Test Started on	22.08.2020
Sampled by	Customer	Test Completed on	25.08.2020

SL NO	TEST PARAMETER	TEST METHOD	UNITS	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:2018	---	Agreeable	Agreeable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	1.20	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	4.86	6.50 - 8.50
05	Conductivity	IS 3025 Part 14:1984 RA 2019	µS/cm	211	---
06	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	137	500 (Max)
07	Total Hardness (as CaCO <sub>3</sub> )	IS 3025 Part 21:2009 RA 2019	mg/L	54.0	200 (Max)
08	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2019	mg/L	16.8	75.0 (Max)
09	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2019	mg/L	2.92	30.0 (Max)
10	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	mg/L	11.8	250 (Max)
11	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025 Part 23:1986 RA 2019	mg/L	< 1.00	200 (Max)
12	Iron (as Fe)	IS 3025 Part 53:2003 RA 2019	mg/L	0.12	1.00 (Max)
13	Sulphate (SO <sub>4</sub> )	IS 3025 Part 24:1986 RA 2019	mg/L	55.3	200 (Max)
14	Nitrate (as NO <sub>3</sub> )	APHA 23 <sup>rd</sup> Edition 4500-NO3 B 2017	mg/L	3.30	45.0 (Max)
15	Phosphate as (PO <sub>4</sub> )	IS 3025 Part 31:1988 RA 2014	mg/L	< 0.10	---
16	Fluoride (as F)	APHA 23 <sup>rd</sup> Edition 4500-F- B D. 2017	mg/L	0.27	1.00 (Max)
17	Cadmium (as Cd)	IS 3025 Part 41:1992 RA 2014	mg/L	< 0.003	0.003 (Max)

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### Standard<sup>S</sup> Environmental & Analytical Laboratories

Accreditation and Approval: NABL as per ISO 17025: 2017 & "A" Grade Laboratory of KSPCB

K.J. Tower, Fathalam, Udyogahandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43

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## TEST REPORT

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18	Total Chromium (as Cr)	IS 3025 Part 52: 2003 RA 2014	mg/L	< 0.05	0.05 (Max)
19	Copper (as Cu)	IS 3025 Part 42:1992 RA 2014	mg/L	< 0.05	0.05 (Max)
20	Lead (as Pb)	IS 3025 Part 47: 1994 RA 2014	mg/L	< 0.01	0.01 (Max)
21	Manganese (as Mn)	IS 3025 Part 59: 2006 RA 2017	mg/L	< 0.05	0.10 (Max)
22	Zinc (as Zn)	IS 3025 Part 49: 1994 RA 2014	mg/L	< 0.025	5.00 (Max)
23	Total Suspended Solids	IS 3025 Part 17: 1984 RA 2017	mg/L	4.20	---
24	Total Coliform Bacteria	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml
25	E coli	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml

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

For and on behalf of  
Standard<sup>S</sup> Environmental & Analytical Laboratories



Authorized Signatory

**Salini T. S.**  
Microbiologist

Authorized Signatory

**Laiju P. N.**  
Laboratory Head

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**TEST REPORT**

ULR No :TC540220000001613F	Date: 25.08.2020	Page 1 of 2
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CUSTOMER DETAILS			
Customer Details	Name & Address	M/s H&P Granites 6/530, Kondody, Kummil P.O, Kottarakkara, Kollam District.	
Location of Site	Re Survey No	462/01, 462/01-02, & Others (Patta Land) 464,465/03 & Others (Govt.Land)	
	Village	Kummil	
	Taluk	Kottarakkara	
	District	Kollam	
	State	Kerala	
Customer Reference	Test Request form dated 22.08.2020		
SAMPLE DETAILS			
Sample Code	WT20080009	Sample Received on	22.08.2020
Sample Name	Water	Sampling Procedure	---
Sample Description	Surface Water	Sampling Location	Chittar River
Identification by Customer	---	Sample Condition	Fit for Analysis
Sampled on	---	Test Started on	22.08.2020
Sampled by	Customer	Test Completed on	25.08.2020

SL NO	TEST PARAMETER	TEST METHOD	UNI <sup>T</sup> S	RESULT	ACCEPTABLE LIMIT (IS 10500 - 2012)
01	Colour	IS 3025 Part 4:1983 RA 2017	Hazen	1.00	5.00 (Max)
02	Odour	IS 3025 Part 5:2018	---	Agreeable	Agreeable
03	Turbidity	IS 3025 Part 10:1984 RA 2017	NTU	1.50	1.00 (Max)
04	pH	IS 3025 Part 11:1983 RA 2017	---	6.48	6.50 - 8.50
05	Conductivity	IS 3025 Part 14:1984 RA 2019	µS/cm	230	---
06	Total Dissolved Solids	IS 3025 Part 16:1984 RA 2017	mg/L	149	500 (Max)
07	Total Hardness (as CaCO <sub>3</sub> )	IS 3025 Part 21:2009 RA 2019	mg/L	66.0	200 (Max)
08	Calcium (as Ca)	IS 3025 Part 40:1991 RA 2019	mg/L	20.8	75.0 (Max)
09	Magnesium (as Mg)	IS 3025 Part 46:1994 RA 2019	mg/L	3.41	30.0 (Max)
10	Chloride (as Cl)	IS 3025 Part 32:1988 RA 2019	mg/L	5.91	250 (Max)
11	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025 Part 23:1986 RA 2019	mg/L	13.9	200 (Max)
12	Iron (as Fe)	IS 3025 Part 53:2003 RA 2019	mg/L	0.35	1.00 (Max)
13	Sulphate (SO <sub>4</sub> )	IS 3025 Part 24:1986 RA 2019	mg/L	59.4	200 (Max)
14	Nitrate (as NO <sub>3</sub> )	APHA 23 <sup>rd</sup> Edition 4500-NO3 B 2017	mg/L	4.32	45.0 (Max)
15	Phosphate as (P <sub>2</sub> O <sub>5</sub> )	IS 3025 Part 31:1988 RA 2014	mg/L	< 0.10	---
16	Fluoride (as F)	APHA 23 <sup>rd</sup> Edition 4500-F B D 2017	mg/L	0.32	1.00 (Max)
17	Cadmium (as Cd)	IS 3025 Part 41:1992 RA 2014	mg/L	< 0.003	0.003 (Max)

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## TEST REPORT

ULR No :TC54022000001613F	Date: 25.08.2020	Page 2 of 2
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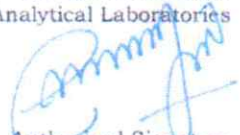
18	Total Chromium (as Cr)	IS 3025 Part 52: 2003 RA 2014	mg/L	< 0.05	0.05 (Max)
19	Copper (as Cu)	IS 3025 Part 42:1992 RA 2014	mg/L	< 0.05	0.05 (Max)
20	Lead (as Pb)	IS 3025 Part 47: 1994 RA 2014	mg/L	< 0.01	0.01 (Max)
21	Manganese (as Mn)	IS 3025 Part 59: 2006 RA 2017	mg/L	< 0.05	0.10 (Max)
22	Zinc (as Zn)	IS 3025 Part 49: 1994 RA 2014	mg/L	< 0.025	5.00 (Max)
23	Total Suspended Solids	IS 3025 Part 17: 1984 RA 2017	mg/L	7.00	---
24	Total Coliform Bacteria	IS 15185 : 2016	---	Present/100 ml	Absent/100 ml
25	E coli	IS 15185 : 2016	---	Absent/100 ml	Absent/100 ml

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

For and on behalf of  
Standard<sup>S</sup> Environmental & Analytical Laboratories



  
Authorized Signatory  
**Salini T. S.**  
Microbiologist

  
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**Laiju P. N.**  
Laboratory Head

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