REPORT OF COMPLIANCE of M/s HANNA ROCK (Pvt) Limited <u>B.GENERAL CONDITIONS (Ref: Environmental Clearance No. 62 of 2018</u>}

Compliance Report from April to September 2018

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,		
		purposes	
G-2	Environment Monitoring Cell as Agreed under the affidavit filed by the proponent should be formed and	Environment Monitoring Cell is constituted as below:	
	made functional.	1. Mr. S A Dwarakanatha Mines Manager	
		2. Mr. K. Kabilan Mine Foreman3. Mr. Harish G Nair as members	
G-3	Suitable avenue trees should be planted along either	As the quarry being worked for the past five years	
	side of tarred road and open parking areas, if any, inclusive of approach road and internal roads.	all the approach roads and open areas are planted with thick plantation	
G-4	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the	Solar energy is presently utilized in office premises and likely to extend to other possible areas in	
	project.	future	
G-5	Sprinklers shall be installed and used in the project site to contain dust emissions.	All 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 deep portion of the worked out pit shall be kept for rain water storage which in turn will recharge the surrounding water table and suitable 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 (April 18 to September 18) 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.	ng. with Barbed wire with concrete pillars. All gs, necessary sign boards are erected at suitable	
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	
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 metal 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.	ite Overburden material is kept inside the quarry	

ltem 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.	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 dis- used pit and collected. 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.	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	
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	Stipulations in EC	Status of Compliance	Remarks
No. G-35	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.	- Complied with -	
G-36	A copy of the clearance letter shall be sent by the proponent to concerned Grama Panchayat/ 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.	5	

Item No.	Stipulations in EC	Status of Compliance	Remark
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 fallowed	-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	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 is being carried out regularly and results are enclosed	

Item No.	Stipulations in EC	Status of Compliance	Remark
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	
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 _o . 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 desilted before the onset of monsoon are as end when they are filled	

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	One water tanker of 10 K capacity is kept in	
	pollution and having high levels of PM10 and PM2.5such	quarry area and water is sprinkled on regular	
	as haul road, Loading and unloading points and transfer	basis besides the automated sprinklers to keep	
	points-it shall be ensured that the ambient air quality	the haulage road wet to contain	
	parameters conform to the norms prescribed by the	production/propagation of dust during vehicle	
	central pollution control board in this regard.	movement	
G-46	Fugitive dust emissions from all the sources should	Dust extractors are provided to contain dust	
	controlled regularly. Water spraying arrangement on haul	during drilling operations and haul roads are	
	roads, loading and unloading an d at transfer points	regularly watered to avoid dust generation	
	should be provided and properly maintained		
G-47	Measures should be taken for control of noise levels	Proper maintenance of machineries/vehicles are	
	below 85 dBA in work environment.	practiced to minimize the noise levels	
G-48	A separate environmental management cell with suitable	Environmental Management cell is constituted	
	qualified personal should be set-up under the control of a	under the Mines Manager who will report	
	senior Executive, who will report directly to the head of	directly to the Managing Director (Owner)	
-	the organization.		
G-49	The funds earmarked for environmental protection	The funds are provided as and when required for	•
	measures and CSR activate should be kept in separate	CSR activities maintaining of separate account	
	account and should be reported to the state environment	shall be done in due course	
0.50	authority(SEIAA) office		
G-50	The Regional Office of MOEF&CC Located at Bangalore		
	shall extend full cooperation to the officer (S) of the	-Shall be complied-	
	Regional Office by furnishing the requisite data		
G-51	/information /monitoring reports Any appeal against this Environmental Clearance shall lie		
0-21	with the National Green Tribunal, if preferred, within a	-Will comply with any outcome of NGT	
	period of 30 days as prescribed under section 16 of the	- will comply with any outcome of NOT	
	National Green Tribunal Act ,2010		
	Tutional Groon Thounal Act, 2010		

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 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-1

HANNA ROCK PRODUCTS (Pvt.) LIMITED

Meenkunnam, South Marady, MuvattupuzhaTaluka, Ernakulam District Tel. No. +91 9544505901, 03 & 04

DETAILS OF EXPENDITURE UNDER CORPORATE SOCIAL RESPONSIBILITY FROM APRIL 2018 TO SEPTEMBER 2018

1	04.04.2018	Gov.VHSS South Mardy	90000.00	
		(Providing school furniture)		
2	19.04.2018	Aaroor Devi Temple	20000.00	
3	19.04.2018	Snehadooth(Mknm Church)	8000.00	
		(Wheel chairs for disables)		
4	28.04.2018	Cherian, South Marady	5000.00	
		(Medical help)		
5	28.04.2018	Sneehaveedu (Old age home .Food Supply	7500.00	
6	05.05.2018	Sabu (KSEB worker Welfare)	5000.00	
7	05.052018	Medical Help for Surgery	5000.00	
		C/o Mr.SabuPuthoor		

8.	08.05.2018	Medical (Cancer patient	20000.00	
		SaralaChandran , Katothil , S.Marady		
9	10.05.2018	JobyVarkey. (RCC TVM – for surgery)	20000.00	
10	19.05.2018	Stanly, Piravam Road, S.Marady (medical)	2000.00	
11	19.05.2018	Study Material (Ananvadi. C.Peedika	5000.00	
12	19.05.2018	Building Repair (Sujesh.K, S.Marady	100000.00	
13	26.052018	Aruvikkal Devi Temple	50000.00	
14	26.05.2018	Akshaya Charitable Trust KKM	3000.00	
15	28.05.2018	School Bags & Study materials	22000.00	
		c/o RatheeshC.Marady		
16	07.062018	S.Lakshmi, Kummaliyl,	56750.00	
		College Tuition fee		
17	10.06.2018	Sports club. EMarady (abbass)	10000.00	
18	12.06.2018	Thankkappan, hundelE.Mraday.(Medical)	10000.00	
19	20.06.2018	S.Lakshmi, Kummaliyl,	6850.00	
		College Tuition fee		
20.	21.06.2018	Sivan, S. Marady (Medical)	5000.00	
21.	23.06.2018	Sabu, Plakunnath, E.Marady (medical)	5000.00	

22	07.07.2018	Shaji.V.P, Arachalil, Arakuzha(Medical)	20000.00	
23	05.07.2018	Rekha .d/o Soan .S.Mardy(Medical)	10000.00	
24.	05.07.2018	Sanil, Cheripurath, E. Marady (Medical)	414350.00	
25.	18.07.2018	S.Lakshmi, Kummaliyl,	14500.00	
		College Tuition fee		
26.	21.07.2018	News Paper (Gov.U.P.School , Prathitta	6000.00	
27.	21.07.2018	News Paper (Gov. U.P School,	6000.00	
		Panadapilly		
28.	24.07.2018	News Paper (Gov.H.S, S.marady)	8500.00	
29.	27.07.2018	News Paper (Gov. VHHS. E.marady)	11500.00	
30.	30.07.2018	Gov.up School, Parthitta (Food exp April	30000.00	
		to July 2018		
31.	18.08.2018	Flood Relief Fund (Muarali S.MARADY)	100000.00	
32.	18.08.2018	Flood Relief Fund (Paimon. Arakuzha)	28750.00	
33.	20.08.2018	Flood Relief Fund (Gopi.K.	38500.00	
		Muvattupuzha		
34.	21.08.2018	Flood Relief Fund (Bijesh . Emardy)	4000.00	
35.	31.08.2018	Chief Ministers Dias Fund (Flood Relief	200000.00	
		Fund)		

36.	31.08.2018	Flood Relief Fund (ArunTlkOffiMvpa)	90000.00	
37.	31.08.2018	Flood Relief Fund (Sabu .P . E.Marady)	43750.00	
38.	06.09.2018	Gov.LP School Kruunnapuram Food for April to Aug:2018	8000.00	
39.	07.09.2018	ErattayanikunnuMathrusamithi (Dialysis Patients)	20000.00	
40	12.09.2018	Flood Relief Fund (ArakuzhaGramaPanchayth	15000.00	
		Total (A)	15,24.950.00	

round quarry area SajuDevasya, Kannamkallel M.J.Joseph, Maniyanakallil, Meenkunnam	25000 25000	ARAKUZHA VILLAGE
		ARAKUZHA VILLAGE
M.J.Joseph, Maniyanakallil, Meenkunnam	25000	
	M.J.Joseph, Maniyanakallil, Meenkunnam 25000 ARAKUZHA VILLA	
Binu James , Maniyankallil, Meenkunnam	25000	ARAKUZHA VILLAGE
K.N.Baiju, Kappilamkuzhiyil, Meenkunnam	25000	ARAKUZHA VILLAGE
M.J.Sebastain, Maniyankallil , Meenkunnam	25000	ARAKUZHA VILLAGE
K.K., Meenkunnam	25000	ARAKUZHA VILLAGE
Prasad, Mennkunnam	25000	ARAKUZHA VILLAGE
Eldhose. A ,Jawahar col, Meenkunnam	25000	ARAKUZHA VILLAGE
Total (B)	200000.00	
GRAND TOTAL (A+B)	17,24,950.00	
	K.N.Baiju, Kappilamkuzhiyil, Meenkunnam M.J.Sebastain, Maniyankallil , Meenkunnam K.K., Meenkunnam Prasad, Mennkunnam Eldhose. A ,Jawahar col, Meenkunnam Total (B)	Binu James , Maniyankallil, Meenkunnam25000K.N.Baiju, Kappilamkuzhiyil, Meenkunnam25000M.J.Sebastain, Maniyankallil , Meenkunnam25000K.K., Meenkunnam25000Prasad, Mennkunnam25000Eldhose. A ,Jawahar col, Meenkunnam25000Total (B)20000.00