

Quarry project of

M/s MAHADEV METALS

APPLICANT

***Sri. M.NAGARAJ
MANAGING PARTNER
M/s MAHADEV METALS
RADHA NIVAS, ALAMIPALLY
KANHANGAD
KASARAGOD***

<i>PROJECT LOCATION</i>	
<i>Sy.No</i>	<i>113, 146/4A5</i>
<i>VILLAGE</i>	<i>BALAL</i>
<i>TALUK</i>	<i>VELLARIKKUNDU</i>
<i>DISTRICT</i>	<i>KASARAGOD</i>
<i>STATE</i>	<i>KERALA</i>

SECOND HALF COMPLIANCE REPORT

(Ref: E.C. No: A/6694/2017 of DEIAA dtd. 30-01-2018 (22/2018))

***For the period up to
October 2018 – March 2019***



MAHADEV METALS

Konnanamkadu, Balal P.O,
Anandashram Via, Kasaragod Dist - 671533

GSTIN: 32AAQFM 4666E1Z5

Phone: 0467- 2206421
9074263107, 9074052381
7012117700

To,

The Chairman/ Member secretary
District Environmental Impact Assessment Authority
Kasaragod, Kerala

Sub: Environmental Clearance – Proposed quarry Project Sy. No. 113, 146/4A5 at Balal Village, Vellarikkundu Taluk, Kasaragod District, Kerala- Second Half Compliance (October 2018-March 2019) report-Reg.

Ref: File No. A/6694/2017 of DEIAA dtd.30-01-2018 (EC No: 22/2018)

Respected Sir,

Our Quarry project was accorded with Environmental Clearance vide order A/6694/2017 of DEIAA dtd.30-01-2018 (EC No: 22/2018). The Second Half compliance (October 2018-March 2019) report of the specific and general conditions of the Environmental clearance is enclosed.

Thanking You

M. Nagaraj

Yours faithfully

Sri. M. Nagaraj

Managing Partner

M/s Mahadev Metals.

Copy to

The Regional Director

MoEF Regional Office, southern zone, KendriyaSadan, 4th Floor,

E&F Wing, II Block, Koramangala , Bangalore-560034.

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I. ABOUT THE PROPONENT

Sri. M. Nagaraj, Managing Partner of M/s Mahadev Metals in Balal Village and Vellarikkundu Taluk, Kasaragod District, Kerala state.

District Environmental Impact Assessment Authority (DEIAA) Kasaragod, Kerala accorded Environmental Clearance No. A/6694/2017 of DEIAA dtd. 30-01-2018 (22/2018) to the quarry project of M/s Mahadev Metals in Balal Village Vellarikkundu Taluk, Kasaragod District, Kerala managed by Sri. M. Nagaraj.

The quarry project is controlled and managed by Sri. M. Nagaraj, Managing Partner, M/s Mahadev Metals, Radha Nivas, Kanhangad. Kasaragod , Kerala. Contact Details; Phone No: **9895021256, 9847661000** mail Id: divonrockproducts@gmail.com .

II. ABOUT THE PROJECT

a. Project category:

The project comes under the Category B, Activity 1(a), (i) of Schedule of EIA Notification 2006 and subsequent amendments.

b. Project location:

Sy. No. 113, 146/4A5 at Balal Village Vellarikkundu Taluk, Kasaragod District, Kerala. The proposed project site

falls within 12°24'03.05" N to 12°24'10.38" N and 75°17'44.96" E to 75°17'54.76" E

c. Project extent and activity:

The project is for quarrying of 2, 02,526 TPA of building stone from an area of 4.6945 hectares of land located as specified above.

d. Project description:

The proposed project activity involves about 100% of the pit area for exploring building stone. At the end of life of mine, excavated pit will be fully reclaimed and rehabilitated by plantation. The proposed project does not involve any underground mining activities. The mining is done by open cast semi mechanized method.

III. REPORT OF COMPLIANCE

A. SPECIFIC CONDITIONS

Item No	Stipulations in EC	Status of Compliance	Remarks
S-1	Fencing should be provided all around the lease area.	Fenced with around the lease area.	Plate S-1: Fenced with around the lease area.
S-2	Appropriate sign boards should be displayed	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start.	
S-3	Air and sound pollution control measures as required shall be provided	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start.	
S-4	The blasting operations shall be done in a controlled manner and shall not carry any harm/ damages to the life and property of adjacent land owners.	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start.	
S-5	Control measures on noise and vibration should be implemented.	Due to the delay in execution of mining lease from DMG, mining	

		activities are not yet started. We will follow the direction contained when the mining start.	
S-6	Bench cutting with height not more than 5 meter and width not less than 5 meter is to be insisted	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start.	
S-7	After quarrying the reclaimed area shall be planted with plant species using the fertile top soil proposed to be removed for quarrying.	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start.	
S-8	A sedimentation tank of size 25 x 15 x3.0 meters shall be constructed below the quarry face in the south- west of the lease area. The destilting shall be done periodically.	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start.	
S-9	The quarrying operation can be done only after proper marking of buffer zones of 7.5 m width in the existing quarry between BP 1 & BP 2 with suitable fencing.	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start	
S-10	The quarrying should be restricted to the present ground level between BP4 & BP5. Since the width of land from boundary to	Due to the delay in execution of mining lease from DMG, mining activities are not yet started.	

	government land is very less.	We will follow the direction contained when the mining start	
S-11	The existing drinking water source on eastern side of the lease area should be retained after quarrying also.	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start	

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,	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start	
G-2	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start .	
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.	Avenue trees by way of natural vegetation are present along either side of the road,	Plate G-3: Avenue trees already exist along tarred road.
G-4	Sprinklers shall be installed and used in the project site to contain dust emissions.	Scrupulously will follow the direction contained when the mining start	

G-5	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	It is assured that eco-restoration including the mine closure plan will be done at the own cost of the project proponent.	
G-6	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	At the time of the closure of the mine, it shall be ensured that the directions contained are scrupulously followed.	
G-7	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented in tune with the conditions specified in the Companies Act, 2013.	Due to the delay in execution of mining lease from DMG, mining activities are not yet started. We will follow the direction contained when the mining start.	
G-8	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 direction contained shall be scrupulously followed.	Plate G-9: Fenced around the Quarry Area

G-9	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per Stipulations of Explosive Department.	Scrupulously will follow the direction contained when the mining start	
G-10	Control measures on noise and vibration prescribed by KSPCB should be implemented.	Scrupulously will follow the direction contained when the mining start	
G-11	Quarrying activities should be limited to day time as per KSPCB guidelines.	Scrupulously will follow the direction contained when the mining start	
G-12	Blasting should be done in a controlled manner as specified by the regulation of explosives Department or any other concerned agency.	Scrupulously will follow the direction contained when the mining start	
G-13	A licensed person should supervise/control the blasting operations.	Scrupulously will follow the direction contained when the mining start	
G-14	Overburden materials should be managed within the site and used for reclamation of mine pit as per mined closure plan/ specific conditions.	Scrupulously will follow the direction contained when the mining start	
G-15	Height of benches should not exceed 5 m and width should not be less than 5 m.	Scrupulously will follow the direction contained when the mining start	
G-16	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided	Scrupulously will follow the direction contained when the	

		mining start	
G-17	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.	Scrupulously will follow the direction contained when the mining start	
G-18	The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.	Scrupulously will follow the direction contained when the mining start	
G-19	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	Scrupulously will follow the direction contained when the mining start	
G-20	The transportation of minerals should be done in covered trucks to contain dust emissions.	Scrupulously will follow the direction contained when the mining start	
G-21	The proponent should plant trees at least 5times of the loss that has been occurred while clearing the land for the project.	Saplings of teak vatta, maruthu, bamboo ,pala, amathaali, neem, are planted	
G-22	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	Scrupulously will follow the direction contained when the mining start	
G-23	Explosives should be stored in magazines in isolated place specified and approved by Explosive Dept.	We haven't get explosive till yet. will proceed as per rules when we get it.	
	A Minimum buffer distance of 100 m from the	Scrupulously will follow the	

G-24	boundary of the quarry to the nearest dwelling unit or other structure , not being any facility for mining shall be provided	direction contained when the mining start	
G-25	100m buffer distance should be maintained from forest boundaries.	Statutory safe distance shall be maintained without fail.	
G-26	Consent from Kerala State Pollution, Control Board under Water and Air (Acts) should have been obtained before initiating mining activity.	Consent letter is attached.	Annexure G-26; Consent order No; PCB/KSRD/ICO/18/2018 Issued on 07/02/2018 valid up to 31/10/2023
G-27	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.	Clearing are obtaining from; 1. Balal Grama Panchayath (License No; 321/2018-2019) issued by 14/05/2018 valid up to 31/03/2019) 2. Petroleum and Explosive safety Organization (formerly Department of Explosives) License (No. E/SC/KL/22/1029(E49400) valid up to 31/03/2019	1. Annexure G-27; Attached Copy of D & O (License No; 321/2018-2019) issued by 14/05/2018 valid up to 31/03/2019) 2. Annexure G-27 (2): Attached Copy of explosive license (No; E/SC/KL/22/1029(E49400) valid up to 31/03/2019) issued by the petroleum and Explosives Safety Organization.

		3. Quarrying lease order issued by the Director of Mining & geology (No. 500/2018-19/3270/M3/2017/DMG dtd. 17-10-2018)	3. Annexure G-27 (3): attached copy of Quarrying lease order issued by the Director of Mining & geology
G-28	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 this Authority.	The company shall abide by the directions of DEIAA Kerala in such a context, if arises	
G-29	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.	The company shall abide by the directions of DEIAA Kerala in such a context, if arises.	

G-30	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.	Strict compliance is adhered to and is reviewed periodically by the top management.	
G-31	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 District Environment Impact Assessment Authority (DEIAA) Office Kasaragod and may also be seen on the website of the Authority at www.environmentalclearance.nic.in . 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.	The direction contained shall be scrupulously followed	<u>Annexure G-31</u> ; Paper cutting is attached
	A copy of the clearance letter shall be sent by	Copy of EC has been	

G-32	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.	forwarded to the secretary of Balal grama panchayth	
G-33	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 simultaneously be Sent to the Respective office State Environment Impact Assessment Authority (SEIAA) Office and also to the District Environment Impact Assessment Authority (DEIAA) Office	Scrupulously will follow the direction contained when the mining start	
G-34	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 sign board with extent of lease area	The conditions of Environmental Clearance are prominently displayed in a metallic board.	Plate G-34; EC Display notice board

	and boundaries shall be depicted at the entrance of the quarry, visible to the public.		
G-35	The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.	Affidavit was submitted to DEIAA.	
G-36	No change in mining technology and scope of working should be made without prior approval of the DEIAA, No further expansion or modification in the mine shall be carried out without prior approval of the DEIAA, as applicable.	The conditions of DEIAA are strictly followed	
G-37	The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safe guard measures to protect the first order streams, if any originating from the mining lease shall be taken.	Scrupulously will follow the direction contained when the mining start	
G-38	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.	Scrupulously will follow the direction contained when the mining start	
	The Top soil, if any, shall temporarily to be	Scrupulously will follow the	

G-39	<p>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>direction contained when the mining start</p>	
G-40	<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>Scrupulously will follow the direction contained when the mining start</p>	

G-41	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM10 and PM2.5 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.	Scrupulously will follow the direction contained when the mining start	
G-42	Fugitive dust emissions from all the sources should controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained	Scrupulously will follow the direction contained when the mining start	
G-43	Measures should be taken for control of noise levels below 85 dBA in work environment .	Scrupulously will follow the direction contained when the mining start	
G-44	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 .	Scrupulously will follow the direction contained when the mining start	
G-45	The funds earmarked for environmental protection measures and CSR activate should be kept in separate account and should be	Scrupulously will follow the direction contained when the mining start	

	reported to the state Environment Impact Assessment Authority (SEIAA) office.		
G-46	The Regional Office of SEIAA &CC Located at Bangalore shall extend full co-operation to the officer (S) of the Regional Office by furnishing the requisite data /information /monitoring reports	The mentioned condition Is followed	
G-47	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	There is no appeal against EC	
G-48	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	Such a situation never come across	
G-49	The SEIAA may revoke or suspend the order , for non 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.	The conditions of SEIAA are strictly followed	
G-50	The above conditions shall prevail not	scrupulously follows the	

	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 .	directions contained	
G-51	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 .	scrupulously follows the directions contained	
G-52	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.	There is no fault in the land or project.	
G-53	The mining operation shall be restricted to above ground water table and it should not intersect ground water table.	Scrupulously will follow the direction contained when the mining start	
G-54	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 ‘	Scrupulously will follow the direction contained when the mining start	
G-55	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.	Scrupulously will follow the direction contained when the mining start	
G-56	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	Scrupulously will follow the direction contained when the mining start	

	and reported in the six monthly reports to SEIAA.		
G-57	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.	Scrupulously will follow the direction contained when the mining start	

ANNEXURES

FILE NO : PCB/KSRD/ICO/896/2010
Date of issue : 07.02.2018



KERALA STATE POLLUTION CONTROL BOARD

CONSENT TO

OPERATE/AUTHORISATION/REGISTRATION

ISSUED UNDER

The Water (Prevention & Control of Pollution) Act, 1974
The Air (Prevention & Control of Pollution) Act, 1981

and

The Environment (Protection) Act, 1986

As per Application No. :6835558

Dated:03-02-2018

TO

**M/s MAHADEV METALS (ROCK QUARRY)
KONNANAMKAD,
BALAL PO,
ANANDASRAMAM
KASARAGOD**

**Consent No. :PCB/KSRD/ICO/18/2018
Valid Upto :31/10/2023**

1. GENERAL

1.1 This integrated consent is granted subject to the power of the Board to withdraw consent, review and make variation in or revoke all or any of the conditions as the Board deems fit.

1	VALIDITY	31/10/2023
2	Name and Address of the establishment	MAHADEV METALS (ROCK QUARRY) KONNANAMKAD, BALAL PO, ANANDASRAMAM KASARAGOD 671533
3	Communication	Telephone :0-9947054974 Fax :- E-mail: metal.mahadev@yahoo.co.in
4	Occupier Details	M NAGARAJ, RAADHA NIVAS, ALAMIPALLY, KANHANGAD
5	Local Body	BALAL PANCHAYAT
6	Survey Number	113, 146, 4A5
7	Village	BALAL
8	Taluk	VELLARIKUNDU
9	District	KASARGOD
10	Capital Investment (Rs. in Lakhs)	42
11	Scale	Small
12	Category	RED
13	Annual fee (Rs)	9600/-
	Total Fee remitted (Rs)	48000/-
14	RAW MATERIAL	PRODUCTS
	As stipulated in Environmental Clearance	As stipulated in Environmental Clearance
15	Total Power Required (HP)	Jack Hammer-60 Hp, Hydraulic Escavator-120 Hp

2. CONDITIONS AS PER

The Water (Prevention and Control of Pollution) Act, 1974

- 2.1 In case of generation of trade effluent from the industry, effluent treatment system consisting of treatment units having adequate capacity established as per the Integrated Consent to Establish issued shall be operational at all times during which the industry is functional. Additional facilities required, if any, to achieve the standards laid down by the Board u/s 17(1) (g) of the Water Act shall also be made along with.
- 2.2 Water consumption: Domestic - 100 l/d
- 2.3 Effluent generation: No trade effluent generation.
- 2.4 The characteristics of effluent after treatment shall confirm to the following tolerance limits:

Sl. No.	Characteristics	Unit	Tolerance Limit	
			Sewage	Trade Effluent

2.5 Mode of disposal of treated effluent: ~~No trade effluent discharge~~

3. CONDITIONS AS PER

The Air (Prevention and Control of Pollution) Act, 1981

3.1 Adequate air pollution control measures shall be operational at all times during the functioning of the industry. Additional facilities required, if any, to achieve the standards laid down by the Board shall also be made along with

Stack No.	Sources of Emission	Emission Rate (Nm ³ /Hr)	Stack Height above		Control Equipment
			Ground Level	Roof Level	

3.2 Emission characteristics shall not exceed the following

Sl. No.	Parameter	Limiting Standards (mg/Nm ³)
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4. CONDITIONS AS PER

The Environment (Protection) Act, 1986

4.1 The operation of the industry shall be strictly in compliance with the provisions of the Noise Pollution (Regulation and Control) Rules, 2000.

4.2 Used lead acid batteries shall be disposed of as per the Batteries (Management and Handling) Rules, 2001

4.3 Hazardous waste generated, if any, shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

4.3.1 Activities for which Authorisation is granted

Collection	transport
Reception	Storage
Treatment	Reprocessing/Disposal

4.3.2 Type, quantity and mode of storage/collection/disposal of hazardous wastes shall be as follows

Sl. No.	Hazardous Waste	Schedule Category	Quantity Tonne/year
Mode of			
Storage		Disposal	

4.4 E-waste shall be disposed off safely as per the E-Waste (Management) Rules, 2016.

5 SPECIFIC CONDITIONS

5.1 The location of the industry/out let shall be as per the approved drawing attached. No change or alteration or expansion of the unit is to be made without the prior permission of the Board. Any change in the particulars furnished in the application and or in the identity of the occupier/authorized agent is to be intimated to the Board forthwith.

5.2 For renewal of the Consent to Operate in case of continuance of operation of the quarry, application in the prescribed form shall be submitted through the web portal of the Board for Online Consent Management & Monitoring System 2 months prior to the date of expiry. Late application will be accepted only with fine.

5.3 The consent issued from the board is only with respect to the powers vested under the Water (prevention and control of pollution) Act 1974, Air (prevention and control of pollution) Act 1981 and the Rules there under. The operation of the quarry shall be commenced only after obtaining clearances from all concerned Authorities.

5.4 This consent will be valid only when the Environmental Clearance obtained for the quarry is valid.

5.5 There shall not be any quarrying activity between 6 pm to 6 am.

5.6 The suspended particulate matter (PM 10) in ambient air at the boundary of the quarry shall not exceed 100 microgram m³.

5.7 The suspended particulate matter (PM 2.5) in ambient air at the boundary of the quarry shall not exceed 60 microgram m³.

5.8 The sound level (Leq) at 1 m outside the boundary of the site should not exceed the ambient noise Standard applicable to the adjoining areas.

5.9 The applicant shall provide adequate facilities to conduct ambient air and sound monitoring as noted in condition 5.6 to 5.8.

5.10 Periodical monitoring of ambient air and sound shall be conducted by the applicant and the report shall be submitted to the District office of the Board once in a year.

5.11 The applicant shall put up a sign board of size 6ft x 4ft. near the main entrance of the quarry. The board shall display the name of the industry and important consent conditions.

DATE 07/02/2018

EBY

VARGHESE

SIGNATURE & SEAL OF ISSUING AUTHORITY
ENVIRONMENTAL ENGINEER

Digitally signed by
EBY VARGHESE

Date: 2018.02.07
14:53:56 +05'30'



To

M Nagaraj,
Rashmi Nivas,
Alampally,
Kohangad

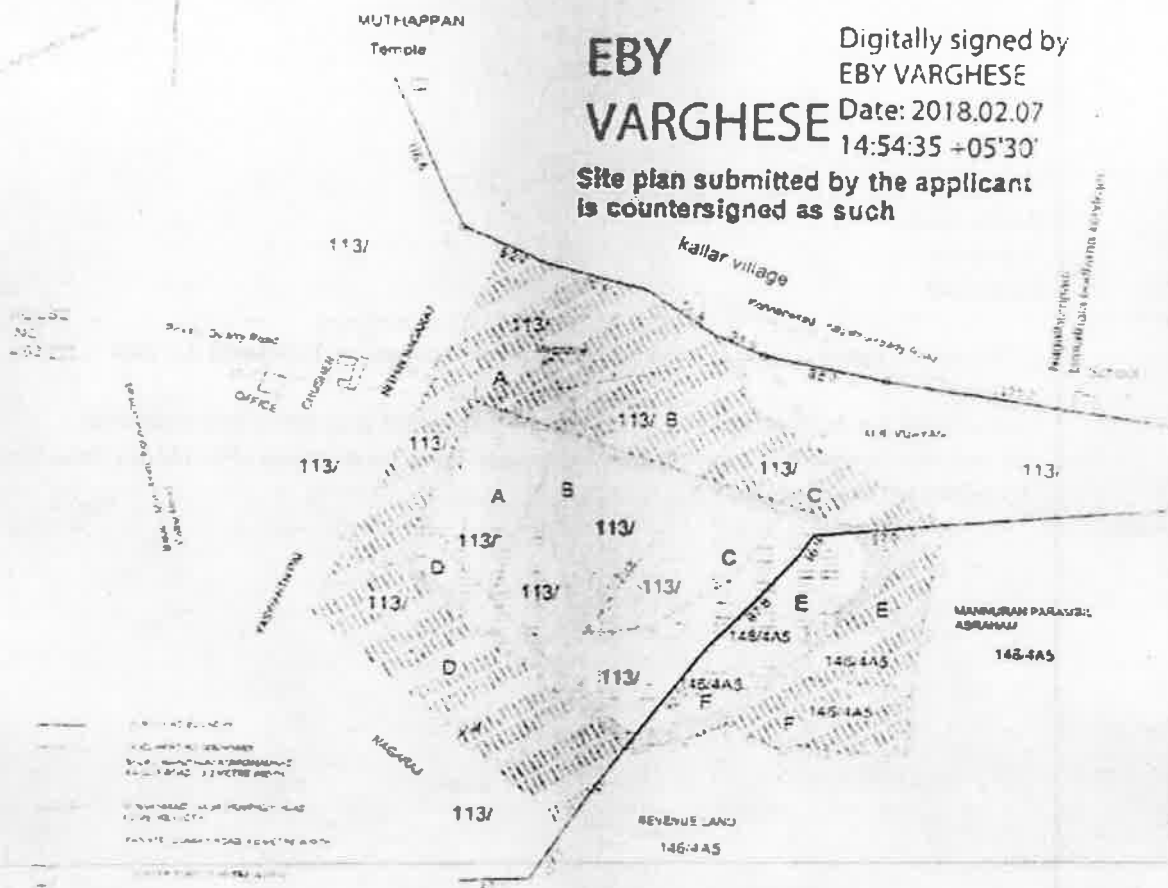
1. This digitally signed document is legally valid as per the Information Technology Act 2000
2. For verifying this document please go to krocmis.nic.in and search using date of issue name of the Application Number in "Consent Granted Applications" link in the home page of the Board's Online Consent Management and Monitoring System

2018.02.07

**EBY
VARGHESE**

Digitally signed by
EBY VARGHESE
Date: 2018.02.07
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Site plan submitted by the applicant
is countersigned as such



- 1. TO BE USED AS
- 2. TO BE USED AS
- 3. TO BE USED AS
- 4. TO BE USED AS
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SL. NO	PLAN NO	SG	NAME	DATE	NO. AC	TOTAL LAND AREA	PROPOSED LEASE AREA	REMAINING LAND AREA	REMARKS
1	113/	A	M. C. SUDHAN	2017	31167	2,273 M	2,273 M	0 M	
2	113/	B	K. K. SUDHAN	2017	31607	2,843 M	2,843 M	0 M	
3	113/	C	M. K. SUDHAN	2017	31607	2,843 M	2,843 M	0 M	
4	113/	D	M. K. SUDHAN	2017	2,221	2,221 M	2,221 M	0 M	
5	113/	E	M. K. SUDHAN	2017	1,985	1,985 M	1,985 M	0 M	
6	113/	F	M. K. SUDHAN	2017	1,985	1,985 M	1,985 M	0 M	
						14,417 M	14,417 M	0 M	

I have no objection to the proposed site plan.

Signature of the Officer



Scale 1 cm = 20 meters



ലൈസൻസ് നമ്പർ: 321 /2018-19

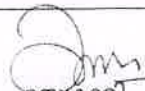
തീയതി 14/5/2018

ബളാൽഗ്രാമപഞ്ചായത്തിൽനിന്നും
 1994 ലെ കേരളാ പഞ്ചായത്ത് രാജ് ആക്ട് (1994 ലെ 13) 232,233,234,254 എന്നീ വകുപ്പുകൾ
 പ്രകാരവും അതേതുടർന്നുള്ള ചട്ടങ്ങളും അനുസരിച്ച് നൽകുന്ന

ഡി & ഒ ലൈസൻസ്

ലൈസൻസ് ഉടമസ്ഥന്റെ പേരും മേൽവിലാസവും	എം നാഗരാജൻ മാനേജിംഗ് പാർട്ടണർ റോക്ക് ക്വാറി കൊന്നനംകാട്	
എന്താവശ്യത്തിന് ലൈസൻസ് അനുവദിച്ചിട്ടുണ്ട്	ക്വാറി	
സ്ഥാപനത്തിന്റെ പേരും സ്ഥലനാമവും	മഹാദേവ മെറ്റൽസ് റോക്ക് ക്വാറി	
കെട്ടിടത്തിന്റെ നമ്പരും സ്ഥാനവും	BP-4 1	
ലൈസൻസിന്റെ കാലാവധി :മുതൽ 31/03/2019 വരെ	
ഈടാക്കിയ ലൈസൻസ് ഫീസ്	4000 രൂപ	രസീത് നമ്പർ
		118010100866
		14/5/2018
ലൈസൻസ് അനുവദിക്കുന്നതിനായി ഹാജരാക്കിയ നിരാക്ഷേപ പത്രങ്ങളുടെ വിവരങ്ങൾ (നമ്പർ, തീയതി, കാലയളവ്, നൽകിയ അധികാരസ്ഥാനം) ഓഫീസ്മുദ്ര	PCB/KSRD/ICO/896/2010 VAL. 31/10/2023 EC NO 22/2018 DT. 31.01.2018 EXPLOSIVE L. E/SC/KL/22/1029 VAL 31/03/2018	

ഓഫീസ്മുദ്ര


 സെക്രട്ടറി
 ബളാൽഗ്രാമപഞ്ചായത്ത്
SECRETARY
KALAL GRAMA PANCHAYAT



G 27-(2)

GOVERNMENT OF INDIA
MINISTRY OF COMMERCE & INDUSTRY
PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION (PESO)
(Formerly Department of Explosives)
Kendriya Bhavan, Block C-2, 3rd Floor
CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037
Tele: 2427286 Fax: 2427276
Email: dycecernakulam@explosives.gov.in

No.: E/SC/KL/22/1029(E49400)

Dated:30/08/2018

To,
Shri Nithin Nagaraj,
Partner, M/s. Mahadev Metals, Konnanamkadu, Balal P.O., Town/Village - Vellarikundu
District-KASARAGOD, State-Kerala, Pincode - 671533

Subject: Possession for Use of of Explosives from magazine situated at Survey No(s):R.S No 113, Balal village, Hosdurg talu, Dist. KASARAGOD, Kerala -Licence No.: E/SC/KL/22/1029(E49400) granted in Form LE-3 of Explosives Rules, 2008 -
Amendment of Quantity of Explosives/Monthly Purchase Limit .

Sir(s),

Please refer to your letter No. Nil dated 30/08/2018 on the subject cited above.

The Licence No.: E/SC/KL/22/1029(E49400) is forwarded herewith duly amended in respect of followings ;
INTIMATION REGARDING QUARRYING OPERATIONS AS PER THE QUARRYING LEASE FROM THE DIRECTOR OF MINING & GEOLOGY, DEPARTMENT OF MINING & GEOLOGY, THIRUVANANTHAPURAM VIDE LOI NO: 3270/M3/2017 DATED 13/04/2017 IN QUARRY AT SY.NOS.113,146/4A5 AT BALAL VILLAGE, VELLARIKUNDU TALUK, KASARGODE DISTRICT IS ACKNOWLEDGED HERE WITH THE FOLLOWING CONDITIONS 1. NO USE OF EXPLOSIVES IS PERMITTED UNLESS VALID QUARRY PERMIT IS OBTAINED AND COPY SUBMITTED TO THIS OFFICE. LOCAL STATE GOVERNMENT AUTHORITIES APPROVAL/ENVIRONMENTAL CLEARANCE AS APPLICABLE AND RENEWED FROM TIME TO TIME SHALL BE IN POSSESSION.2. LICENSED EXPLOSIVES VAN SHALL BE USED FOR TRANSPORTATION OF EXPLOSIVES FROM MAGAZINE TO BLASTING SITE.3. IF ANY CHANGE OF QUARRY OR ADDITIONAL QUARRY IS INVOLVED, NECESSARY PRIOR APPROVAL/ENDORSEMENT SHALL BE OBTAINED FROM THE LICENSING AUTHORITY.4. OPENING OF QUARRY SHALL BE INFORMED TO THE DGMS AND BLASTING OPERATIONS SHALL BE CONDUCTED AS PER MINES ACT.5. APPROVED BLASTER SHALL BE APPOINTED IN THE QUARRY FOR BLASTING. 6. ALL RECORDS OF USE OF EXPLOSIVES IN RE-3, RE-5, RE-7 RE-13 SHALL BE MAINTAINED.6.DAILY PASS FOR USE OF EXPLOSIVES (RE-13)SHALL BE GENERATED ONLINE. 7. EXPLOSIVES AND DETONATORS SHALL NOT BE TRANSPORTED IN SAME VAN AND TO BE TRANSPORTED SEPARATELY FROM MAGAZINE TO BLASTING SITE.8. VAN SHALL NOT BE USED FOR STORAGE OF EXPLOSIVES AT SITE. 9. EXPLOSIVE VAN IS PERMITTED FOR OWN USE ONLY.10 .NECESSARY APPROVALS/LICENCES FROM OTHER DEPARTMENTS SHALL BE TAKEN AS PER THE RULES..

The licence capacity at any one time shall not exceed the kinds and quantities mentioned below :

No	Explosive(s)	Class	Div	Sub Div	Capacity	Unit
1	Nitrate Mixture	2	0	0	100	Kg.
2	Safety Fuse	6	1	0	2000	Mtrs
3	Electric Detonators	6	3	0	2000	Nos.
4	Ordinary Detonator	6	3	0	2000	Nos.

Quantity of explosives to be purchased in a calendar month[applicable for licence under article 3(b) and (c)] : 20 times as above.

This Licence shall remain valid till 31st day of March 2019.

An amount of Rs. 1200/- balance is in your credit, which may be utilized for future transaction by quoting this reference.

**PROCEEDINGS OF THE ADDITIONAL DIRECTOR OF MINING & GEOLOGY,
THIRUVANANTHAPURAM, KERALA**
(Present Shri. T K Ramakrishnan)

Sub: Department of Mining & Geology, Government of Kerala - Mines & Minerals - Minor Minerals - Granite (Building Stone) - Quarrying Lease to M/s. Mahadev Metals, Konnanamkadu, Balal, Anandashram (Via) Kasaragod District - 671 533 (Represented by its Managing Partner, Shri. M. Nagaraj) - sanctioned-orders-issued.

- Ref:*
- 1 Application dated 23/11/2016 from M/s. Mahadev Metals, Konnanamkadu, Balal, Anandashram (Via) Kasaragod District - 671 533 (Represented by its Managing Partner, Shri. M. Nagaraj).
 - 2 Letter No. DOK/1740/M/2016 dated 29/03/2017, 05/09/2018 from the Senior Geologist, District Office, Kasaragod.
 - 3 Letter of Intent No. 3270/M3/2017 dtd 18/04/2017 issued by Director of Mining and Geology
 - 4 Environmental clearance No. 22/2018 issued vide Pro. Order No. A/6694/2017 of DEIAA dtd. 30/01/2018 by the District Environment Impact Assessment Authority, Kasaragod (valid till 29.01.2023).
 - 5 Integrated consent to operate No. PCB/KSRD/ICO/18/2018 dt. 07.02.2018 issued by Kerala State Pollution Control Board, Kasaragod (valid till 31/10/2023).
 - 6 Explosive License No. E/SC/KL/22/1029(E49400) dated 30/08/2018 issued by Petroleum and Explosive Safety Organization, Eranakulam (valid till 31.3.2019)
 - 7 Dangerous and Offensive Trade License No. 321/2018 - 19 dated 14/05/2018 issued by Balal Grama Panchayat (valid till 31.03.2019)
 - 8 Mines and Minerals (Development & Regulation) Act, 1957.
 - 9 Kerala Minor Mineral Concession Rules, 2015
 - 10 Kerala Minerals (Prevention of Illegal Mining, Storage & Transportation) Rules 2015

No. 500/2018-19/3270/M3/2017/DMG Dated, Thiruvananthapuram 17/10/2018

ORDER

M/s. Mahadev Metals, Konnanamkadu, Balal, Anandashram (Via) Kasaragod District - 671 533, a partnership firm having serial number 2326/2008 (Represented by its Managing Partner, Shri. M. Nagaraj) (Aadhaar No. 3824 9886 8885) submitted an application vide reference first cited to obtain quarrying lease to quarry Granite (Building Stone) over an area of 4.6945 Hectares of land (as per the survey map No. 7503/18/B4 Balal issued by Tahsildar, Vellarikundu) comprised in Survey Nos. 113,



146/4A5 of Balal Village, Vellarikundu Taluk. Vide letter dated 29/03/2017 the District Geologist, Kasaragod has intimated that the applied area was previously quarried with the strength of quarrying permits and that a total quantity of 1,10,500 tonnes of Granite (building stone) was already removed from the said area. District Geologist has also intimated that as on date of application, there is no dues against the applicant.

Based on the merit of the application and the enclosed mandatory documents including survey map, possessions certificates, demarcation certificate and land assignment certificate issued by Revenue Authorities and based on the recommendation of the District Geologist, a letter of intent was issued to the applicant vide reference cited 3 intimating the intention of the department to grant quarrying lease subject to production of approved mining plan and other statutory licenses. The District Geologist forwarded the mining plan (prepared by Shri. S. Dhanasekar, Recognized Qualified Person -Reg. No. RQP/MAS/225/2011/A) approved by him and other statutory licenses submitted by the applicant to this office. In the approved mining plan it is mentioned that during the life of the mine (9 years), mineable mineral reserve of **18,01,337 MT** with an average production of **2,00,149 MT** of granite (building stone) per year can be mined. Since the applicant has produced all statutory documents as per the Letter of Intent, it is decided to grant a quarrying lease in the said land and hence following orders are issued:

A quarrying lease is hereby granted **M/s. Mahadev Metals, Konnanamkadu, Balal, Anandashram (Via) Kasaragod District - 671 533 (Represented by its Managing Partner, Shri. M. Nagaraj) (Aadhaar No. 3824 9886 8885)** to quarry Granite (Building Stone) over an area of **4.6945** Hectares of land (as per the survey map issued by Tahsildar, Vellarikundu) comprised in **Survey Nos. 113, 146/4A5 of Balal Village, Vellarikundu Taluk, Kasaragod District** for **9 (Nine)** years as per the Kerala Minor Mineral Concession Rules, 2015, subject to the conditions mentioned below.

1. The lessee shall execute a quarrying lease deed within a period of six months from the date of this order in form 'H' as per Rule 43 of the Kerala Minor Mineral Concession Rules, 2015 and the quarrying leases deed shall be registered in accordance with the provisions of the Indian Registration Act, 1908.
2. The lessee shall commence quarrying operation only after the deed is executed and registered.



3. The lessee shall not assign, sublet or transfer his lease or any right or interest therein to any person without previous written permission of the Director of Mining & Geology.
4. Royalty is payable to Government as per Rule 32 of the Kerala Minor Mineral Concession Rules, 2015 in respect of minor mineral quarried and moved out of the quarry subject to revision from time to time on the basis of amendments to the schedule I of the said Rules. In case the lessee opts for consolidated royalty payment system by registering attached metal crusher units as per Rule 89, then consolidated royalty at the rate specified in Schedule III said Rules shall be paid instead of royalty specified in Schedule I.
5. Dead rent is realizable under 40(1)(d) of the said rules subject to revision from time to time on the basis of amendments to the schedule II of the said rules.
6. Surface rent realizable under 40(1)(e) of the said rules will be equal to the land revenue assessed by the Revenue Department subject to revision from time to time on the basis of the land revenue.
7. The lessee shall also deposit an amount of **Rs. 46,945/- (Rupees forty six thousand nine hundred and forty five only)** being the security deposit at the rate of Rs 10,000/- per hectare as security deposit for the observance of the terms and conditions of the lease before the deed is executed as per rule 42 of the said rules.
8. The lessee shall produce financial guarantee for **Rs. 1,17,363/- (Rupees one lakh seventeen thousand three hundred and sixty three only)** as stipulated in rule 62 of KMMC Rules 2015, before execution of lease deed.
9. The lessee shall pay tax related to Revenue Department, if any, as directed by them and the details should be furnished to the District Geologist periodically.
10. The lessee shall pay 10% of the amount of royalty/consolidated royalty as the case may be paid by them, being the quarry safety fund in addition to the royalty/consolidated royalty, as per rule 63 of KMMC rules, 2015.
11. In addition to the royalty, rents, funds, fees etc. that are required to be remitted by the lessee as per the Mines and Minerals (Development and Regulation) Act, 1957 and Rules made thereunder, the lessee shall pay all other fees, rents, taxes etc. as required by other agencies including Goods and Service Tax (GST) for royalty.
12. The quarrying shall be carried out as per the conditions stipulated in Kerala Minor Mineral Concession Rules 2015 and storage and transportation of mineral shall be carried out as per Kerala Minerals (Prevention of Illegal Mining, Storage and Transportation) Rules 2015.

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13. The lessee shall renew Environmental Clearance on or before 29/01/2023 for the operation of the quarry for the remaining period.
14. The quarrying operations shall be strictly as per the approved mining plan and schemes of mining.
15. The lessee shall review the progressive quarry closure plan every five years from the date of opening of the quarry and shall submit to the competent authority for its approval. The lessee shall submit to the competent authority in this behalf any early report before 1st July of every year describing protective works including reclamation and rehabilitation work carried out as envisaged in the approved quarry closure plan and if there is any deviation, reasons thereof.
16. The lessee shall submit a scheme of mining for the next five years or remaining period of the lease to the competent authority for approval at least one hundred and twenty days before the expiry of the first five year period for which it was approved on the last occasion.
17. The lessee shall submit final quarry closure plan one year prior to the proposed closure of the quarry and close the quarry as per the approved quarry closure plan.
18. The production of Granite (Building Stone) from the area covered under this grant shall be subject to the year-wise quantity specified in the approved Mining Plan and scheme of mining.
19. The lessee shall not win and dispose of any type of dimension and decorative stones from the area over which the quarrying lease has been sanctioned on the strength of this order.
20. The Lessee shall comply with any and all laws, ordinances, rules and orders related to quarrying operations of any and all governmental or quasi-governmental authorities.
21. The lessee shall comply with all the conditions mentioned in other statutory license required for carrying out quarrying operations.
22. The lessee shall stop all quarrying activities in the event of expiry of any other statutory licenses which is required for carrying out quarrying activities in the State as per the prevailing Acts and Rules. Any quarrying activity undertaken violating the above condition will be treated as illegal and lessee will be solely responsible for such act and lessee will be liable to pay the penalty imposed by any officer competent to enforce such Acts and Rules.
23. In case the lessee makes any breaches in the conditions of the lease deed or violates the conditions stipulated in relevant Act and Rules based on which all Statutory Licenses are issued for quarrying, then the lessee will be solely responsible for any such breaches and violation and in such cases, the

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lessee will be solely liable to pay such sum of money as fixed by competent authorities as due and penalty.

24. The Lessee shall indemnify and keep indemnified the State Government against all actions, proceedings, suits, claims, demands, losses, damages, costs, charges, and expenses incurred or suffered by them as a reason of any non-observance or non-performance of rules and regulations
25. This lease is granted in good faith based on the documents/licenses submitted by the lessee. The lessee is solely responsible for the authenticity of the documents/licenses submitted. At any stage, if it is observed that the documents submitted are incorrect or fake or forged or if it is found that some information was omitted or suppressed, then this lease is liable to be cancelled. In such an event the quarrying carried out with the strength of this lease will be treated as quarrying conducted without any lawful authority.
26. The lessee shall properly maintain the boundary pillars erected as per the demarcation certificate issued by the Village Officer till the expiry of lease.
27. The lessee shall erect a notice board in Malayalam at a prominent place with a minimum size of 1 metre X 1.5 metres in a metallic board near to the entrance of the quarry to the effect that it shall contain the name and address of the lessee, mineral concession number and date, validity of concession, the name of the mineral quarried, proposed annual production etc. In addition, details of other statutory licenses shall also be displayed.
28. The lessee shall erect by the side of the road leading to quarry (preferably 100 m away from quarry), a warning board with danger sign regarding operation of the quarry and use of explosives.
29. The lessee should take effective preventive measures for the safety of labourers as well as the general public. In due course of quarrying, if any part of the quarry becomes unsafe, then the lessee shall properly fence that area for preventing accidents by falling of human beings, animals, vehicles or any objects into the pit formed by quarrying.
30. The lessee shall not carry out any quarrying operations within 7.5 meters from the boundary of the lease area and quarrying operations shall be carried out in benches.
31. The lessee shall start mining operation with the strength of this lease only after sending a notice in form D appended to KMMC Rules 2015 to the Director (Mining), Directorate General of Mines Safety, No.5, 14th Main (100ft) Road, 4th B Block, Koramangla, Bengaluru - 560034 and to District Magistrate concerned and shall intimate the same to the District office of the Department of Mining and Geology.

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32. The lessee shall keep book of accounts of production and dispatch of granite (building stone) and shall file monthly and annual returns in Form F and Form G appended to KMMC Rules 2015.
33. The quarrying permit granted from the district office, if any, in the area of this quarrying lease is hereby stands cancelled from the date of this order.
34. In this case, the anticipated royalty to be remitted for the mineral extracted per year at the present rate of royalty of **Rs. 24/-** per tonne with average annual production of **2,00,149** tonne is **Rs. 48,03,576/- (Rupees forty eight lakhs three thousand five hundred and seventy six only)**. In this case, the surface rent to be remitted per year at the present rate of Rs. 5 per Are per year is **Rs. 2,347/- (Rupees two thousand three hundred and forty seven only)** and in the event of non - functioning of quarry the Dead Rent to be realized for the 1st year - NIL IInd year - Rs. 300/- (Rupees three hundred only) and IIIrd year onwards - Rs. 1,200/- (Rupees one thousand and two hundred only) per hectare subject to revision from time to time.

The terms and conditions stated in this order will be subject to such further modifications as may be made by the State Government from time to time.

Sd/-

T. K. RAMAKRISHNAN
ADDITIONAL DIRECTOR OF MINING & GEOLOGY

To

M/s. Mahadev Metals,
Konnanamkadu, Balal,
Anandashram (Via) Kasaragod District - 671 533
(Represented by its Managing Partner, Shri. M. Nagaraj)

Copy to:

- 1 The Director (Mining), Directorate General of Mines Safety, No.5, 14th Main (100ft) Road, 4th B Block, Koramangla, Bengaluru - 560034
- 2 District Collector & Chairman, DEIAA, Civil Station, Kasaragod.
- 3 The Deputy Chief Controller of Explosives, PESO, C2-III Floor, CGO Complex, Kakkanad, Ernakulam
- 4 The Environmental Engineer, Kerala State Pollution Control Board, District Office, Kasaragod.



Page 6 of 7

- 5 The Secretary, Balal Grama Panchayath, Balal. P. O, Kasaragod District -
671 533.
- 6 The Tahsildar, Vellarikundu Taluk Office, Kasaragod District
- 7 The Village officer, Balal Village, Kasaragod District
- 8 Shri. S. Dhanasekar, 8/3, Kullappan Street, Opp. Indian Bank Line, Omalur
Taluk - 636 455, Salem District.
- 9 The Senior Geologist, District Office of the Dept. of Mining and Geology,
Kasaragod
- 10 Stock File
- 11 File Copy

(By Order)

S. S. Dhanasekar
12/10/2018

Senior Superintendent



PLATES



Plate S-1: Fenced with around the lease area.

Plate S-1: Fenced with around the lease area.



Plate G-3: Avenue trees already exit along tarred road.



Plate G-9: Fenced around the Quarry Area

ROCK QUARRY
NAME: MAHADEV METALS
LICENSEE: M. NAGARAJ
VILLAGE: BALAL
R.S.NO. 113, 146/4A5
E.C.NO. A/6694/2017, 22/2018
EXPIRY. 31.12.2022

Plate G-34; EC Display notice board