



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE
CHANGE



Regional Office (South Eastern Zone),
1st & 2nd floor, HEPC Building, No.34, Cathedral Garden Road,
Nungambakkam, Chennai - 600034

F.No. EP/12.1/2014-15/SEIAA/2/AP/2053
21.12.2017

To,
Shri B. Subbareddy
The Proprietor,
Gandhi Nagar 1st Line,
Kotireddy Bazar, Chimakurthy (V&M),
Prakasam District,
Andhra Pradesh.


Subject: SEIAA, A.P. - 1.975 Ha Black Galaxy Granite Mine of M/s. Sri Surya
Granites, Sy.No. 979/8, 9 & 10, Chimakurthy (V), Chimakurthy (M),
Prakasam District - Environmental Clearance - Issued - Reg.

Reference: 1) Letter No: SEIAA/AP/PKM-135/2013 - 2378, Dated: 10-07-2013.
2) Your letter dated. 17.11.2017.

Sir/Madam,

With reference to 2nd cited above, please find enclosed herewith a certified
copy of the compliance report. This has been approved by the Addl.PCCF(C) vide
diary no.1859 dt. 21.12.2017.

Yours faithfully,


(Dr.C.Kaliyaperumal)
Director (S)

Encl: As above.

Dr. C. KALIYAPERUMAL, M.E., PhD
Director (S)
Government of India
Ministry of Environment, Forests & Climate Change
Regional Office (South Eastern Zone)
HEPC Building, No.34, Cathedral Garden Road,
Nungambakkam, Chennai-600 034.

Certified copy of the compliance report

Subject: SEIAA, A.P. – 1.975 Ha Black Galaxy Granite Mine of M/s. Sri Surya Granites, Sy.No. 979/8, 9 & 10, Chimakurthy (V), Chimakurthy (M), Prakasam District – Environmental Clearance – Issued – Reg.

Reference: No: SEIAA/AP/PKM-135/2013 - 2378, Dated: 10-07-2013.

Present Status of the Project:

It is an existing mine and the PA has obtained Environmental Clearance (EC) to produce 4800 Cbm/Annum of Black Galaxy Granite Mine over an Extent: 3.844 Hectares, located in Sy.No. (978/1, 4, 5 & 979/1, 2); (977/11 & 978/6), (978/2, 3 & 976/5), (977/9P & 10P), and 978/5P, of Chimakurthy (V&M), Prakasam District and Andhra Pradesh vide reference above. The PA has mined more quantity than the EC approved quantity, The production details provided by the PA is here with Enclosed for Information as **Annexure-1**.

As informed by the PA their modified mining plan was submitted for approval to the Mines and geology department. At the time of SEAC meeting held during May 2013 the approved modified mining plan was submitted to the committee.

Further the PA has also submitted their application for expansion of granite production from 4188.93 Cbm/Annum to 28565 Cbm/Annum from the same extent of the area i.e. 3.844 hectares to SEIAA on 05.11.2014. Subsequently SEIAA directed to take credible action and also directed the PA to submit the application to the DEIAA, Prakasam for further action and also the secretary (Mines), Govt. of AP has instructed the collector to file a case against this PA for the violation(for excess production). In turn the District Collector Prakasam District has directed the Asst. Director of Mines and Geology (ADMG), Ongole to file a case. Accordingly the ADMG has filed a case before the special judicial magistrate of I class Excise Court, Ongole on 01/02/2016. Then after hearing of the arguments the Honorable court has penalized with a fine of Rs: 1, 00,000/- and pronounces a Judgment vide CC No: 9/2017 on 11/02/2017 and a copy is enclosed vide **References No:2** cited above for information. The PA has paid the penalized amount Rs 100000/- to the above Honorable court on the same day. The same was submitted to the DEAC for issuing EC on 3.03.2017. The meeting was held and agenda No:22 was issued on the same day i.e. 03.03.2017. Further meeting was held on 10.09.2017 and agenda No: 15 was issued. In the DEIAA meeting, Prakasam District held on 13.11.2017, the DEIAA has requested the SEIAA, Hyderabad to take decision on the issue of EC in accordance with the MoEF, GOI Notification No: 723, dated: 14/03/2017. During the discussion the PA informed that as per the Notification No:723 on 14/03/2017 the application was submitted to the Ministry before 13/09/2017.

Date of Monitoring: 16.12.2017

A. Specific Conditions:

S.No	Condition	Compliance
a) Air Pollution:		
i	Wet drilling & wire saw cutting method shall be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust.	Refer below Wet drilling is not carried out. Wire saw cutting along with dust collectors/extractors are used for cutting the required size of granite mass. Non-Electric (delay) detonators/detonating system is being used to reduce the vibration. The mine location is in cluster of mines and no habitation around this cluster.



ii	Greenbelt shall be developed along the boundary of mining lease area with tall growing trees, with the native species in consultation with the local DFO/Agriculture Department.	Refer below: This mine is surrounded by other mines. On the eastern side: M/s Anand Granites Exports Pvt.Ltd., on the Western side: M/s Apple Granites, on southern side I.M.G.C and on the Northern side: Sri Vasavi Granite Mine as well as Swathi Granite Mine and Krishna Sai Granite Mine. It is difficult to carry out the plantation around this Quarry Lease area. Because of this the PA has purchased 10.36 acres of land (Sy.No: 580/1&2 of Chimakurthy Village and S.No: 96/2 of R.L.Puram Village) for dumping their over burden & Granite waste. The PA has taken up plantation along both sides of the road & over an area of about 2.00 acres by planting native species in consultation with local DFO. The plantation work and survival are good.
iii	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.	Complied: Water Sprinkling arrangement is provided and continuous water sprinkling is carried out on haul roads, waste dump yard and mining area to control the dust emission. A separate water tanker with a capacity of 10 KL is exclusively available for this purpose. Fugitive emission is monitored on quarterly basis through external approved laboratory. As per the reports the fugitive emission levels (P-M ₁₀ & P-M _{2.5}) are within the limit.
iv	The proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoE&F, GoI on 16.11.2009.	Refer below: The Ambient Air Quality (AAQ) is monitored through external approved laboratory on quarterly basis. Though the AAQ levels are within the limit, the norms of NAAQ notified by the Ministry is not followed and have agreed to follow in future.
v	The following measures are to be implemented to reduce air pollution during transportation of minerals:- <ul style="list-style-type: none">• Roads shall be graded to mitigate the dust emission• Water shall be sprinkled at regular interval on the main haul road and other service roads by water	Complied: The PA followed the measures to reduce the air pollution during the transportation of the mineral. <ul style="list-style-type: none">➤ Roads are graded to mitigate the dust emission➤ Water sprinkling is carried out regularly on the main haul road and other service roads.

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	sprinklers to suppress dust.	
vi	<p>The following measures are to be implemented to reduce Noise pollution:-</p> <ul style="list-style-type: none"> ➤ Proper and regular maintenance of vehicles and other equipment. ➤ Limiting time exposure of workers to excessive noise ➤ The workers employed shall be provided with protection equipment and earmuffs etc. ➤ Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks. 	<p>Complied: The following measures are implemented to reduce Noise pollution:-</p> <ul style="list-style-type: none"> ➤ Proper and regular maintenance of vehicles and other equipment are carried out. ➤ Blasting time is between 5.00pm & 6.00 pm. During that time no persons are allowed to work. ➤ The workers employed are provided with personnel protective equipment (PPE) such as earmuffs/ earplugs etc. ➤ All vehicles Speed is restricted below 25 KMPH. Proper directions / instructions were given to the drivers to follow the speed limit.
vii.	<p>Measures should be taken to comply with the provisions laid under noise pollution (Regulation and control) (Amendment) Rules, 2010; DT. 11.01.2010 issued by the MoE&F, GOI to control noise to the prescribed levels. Workers engaged in operations of HEMM, etc should be provided with ear plugs/muffs.</p>	<p>Complied: Measures such as providing PPE to the workers are followed. Regular supervision and instruction were also given to use PPE. Workers engaged in operations of HEMM, etc are also provided with ear plugs/muffs. Further noise levels are monitored through external laboratory on quarterly basis and as per the reports the levels are within the limits.</p>
b) Water Pollution:-		
i.	<p>The source of water is tankers. Total water requirement is 3.0 KLD, Out of that 1.1 KLD is used for dust suppression, 0.9 KLD is used for development of green belt; 1.0 KLD is used for domestic purpose. Waste water generated from the domestic section is to be disposed into septic tank followed by soak pit.</p>	<p>Complied: Water is purchased from outside. They have not intersected ground water in the mine pit. Total water consumption is 3.0 KLD, out of this 1.1 KLD is used for dust suppression, 0.9 KLD is used for greenbelt development & 1.0 KLD is used for domestic purpose. Waste water generated from the domestic section is disposed into septic tank followed by soak pit.</p>
ii.	<p>Garland drain and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, greenbelt development etc. the drains should be regularly desilted, particularly after monsoon, and maintained properly.</p>	<p>Refer below: The PA has purchased 10.36 acres of land (Sy.No: 580/1&2 of Chimakurthy Village and Sy.No: 96/2 of R.L.Puram Village) for dumping their over burden & Granite waste. The PA has constructed garland bund around the OB dump by using the waste granite</p>

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		material to control the OB material rolling down into the nearby areas. Further they have also made a siltation pond near the OB dump, though it is not a fine material to carry away from the OB dump. It is acting as arine water harvesting pit to help/ recharge the ground water. They have also deployed a 10 KLD water tanker exclusively for water spraying purpose and regularly doing the dust suppression activities.
iii.	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells by the project proponent in and around project area in consultation with Regional Director, CGWB, southern Region, and Hyderabad. Data thus collected should be sent at regular interval to MoEF, CGWA and CGWB, Southern, Region, Hyderabad.	Refer below: Water is purchased from outside and also has not intersected the ground water in the mine pit and because of this they have not monitored ground water level and quality.
iv.	Suitable conservation measures to augment ground water resources in the area shall be planned and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting.	Refer below: As stated above in point No: ii the PA has made a siltation pond which is also acting as rain water harvesting pit. They have also made a storm water collection arrangement around the OB dump including sedimentation tank which is also helping to recharge the ground water.
v	Permission from the competent authority should be obtained for drawl of ground water if any, required for this project.	Refer below: Water is purchased from outside and also has not intersected the ground water in the mine pit and because of this they have not monitored ground water level and quality.
c) Solid Waste:		
i.	Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.	Complied: It is a rocky area and availability of top soil is less. The top soil whatever was removed during the development stages of the pit was stored separately and used for greenbelt development. The entire quarry lease area is broke-opened and now there is no top soil.
ii.	The following measures are to be adopted to control erosion of dumps:-	Refer below: The granite waste contains 90% of big boulders (3 to 5 Tons), 5 to 8 % (0.1 to 1.0 below Tons) and 2 to 5 % is less than 50mm size only. Hence there is no possibility for slope failure or waste dump sliding. However the following measures are taken up:

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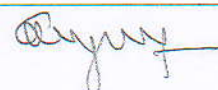
	<ul style="list-style-type: none"> ➤ Retention/toe walls shall be provided at the foot of the dumps. ➤ Worked out slopes are to be stabilized by planting appropriate shrub/grass species on the slopes. 	<ul style="list-style-type: none"> ➤ The PA has made a retention wall around the OB dump. There is no worked pit slopes in the quarry. ➤ Since the entire lease area is under operation without leaving any area and there are no slopes.
iii.	Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous Wastes (Management, Handling, and transboundary movement) Rules, 2008 and its amendments thereof to the recyclers authorized by APPCB.	<p>Complied:</p> <p>The PA informed that waste oils generated is reused in their other equipments. Further after using the same, finally whatever waste oil is generated it is collected, stored and disposed to the authorized recyclers as per the Hazardous Wastes (Management, Handling, and transboundary movement) Rules, 2008 and its amendments.</p>

B. General Conditions:

S.No	Condition	Compliance
i.	This order is valid for a period of 10 Years Or the expiry date of mine lease period issued by the Government of A.P., whichever is earlier. It was reported that the life of the mine 10 Years.	Agreed to comply. The Mining Lease is valid up to 06/12/2031.
ii.	"Consent for Establishment" & "Consent for Operation" shall be obtained from Andhra Pradesh Pollution control Board under Air and Water Acts to carry on mining.	They have obtained CFE Vide Order NO: P-174/PCB/ZO-VJA/CFE/2013-1115 dt.13.09.2013 & CFO Vide Order NO. P-131/PCB/ZO-VJA/CFO/W&A/2013-760, dt: 23.06.2015 and valid up to 31/07/2018.
iii.	No change in mining technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, A.P/MoE&F, GoI, New Delhi, as applicable.	Refer below: There is no change in the mining technology without prior approval of the SEIAA, AP/ DEIAA, Prakasam District, A.P. However the PA has increased the production capacity from 4800 Cbm/annum to 23472 Cbm/annum from the same extent of area 1.975 hectares. Now they are going for further expansion from 4800 cam/annum to 23472 Cbm/annum and for that only the have requested a certified copy of the compliance report.
iv	The half-yearly compliance reports in respect of the terms and conditions stipulated in this order & monitoring	Complied: The PA submitting the compliance reports in respect of the terms and

Signature

	reports shall be uploaded in the website of the project periodically. It shall simultaneously be submitted in hard and soft copies to the SEIAA and Ministry's Regional Office, Bangalore on 1 st June and 1 st December of each calendar year.	conditions stipulated in the EC along with monitored data (hard & soft copies) to the SEIAA/DEIAA and Ministry's Regional office, Chennai once in six months. The PA has not uploaded the monitoring reports on the company's web site and agreed to up load.
v.	Official from the Regional Office of MoE&F, Bangalore who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MoE&F, Bangalore.	Complied: The PA has extended full cooperation to the undersigned during the visit and also submitted all the documents pertaining to the EC to MoEF, Regional office, Chennai.
vi	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone. Location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Complied: Five AAQM stations (one station in core zone and four in cluster buffer zone) are selected in consultation with APSPCB as informed and monitoring is being carried out on quarterly basis. Though the parameters are within the limit the monitoring frequency is in advocate and they have agreed to follow the CPCB norms for monitoring frequency. The mine is surrounded by all other granite quarries in all the directions.
vii	Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board/ Central Pollution Control Board once in six months.	Complied: The PA submitting six monthly compliance reports along with the monitored data to MoEF, Regional Office and SPCB.
viii	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Complied: The PA has provided PPE to the personnel working in the quarry area and also provided training on safety and health aspect through their Group Vocational Training Center (GVTC) located in Chimakurthy.
ix	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams originating from the mine lease shall be taken.	Refer below: No natural watercourse and/or water resources are passing through in the quarry lease area.
x	Occupational health surveillance programme (OHSP) of the workers should be undertaken periodically to observe any contractions due to exposure to dust and	Complied: OHSP of the workers are carried out and record is maintained.



	take corrective measures, if needed.	
xi.	A separate Environmental Management Cell (EMC) with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	Refer below: There is no separate EMC and the mines manager is looking after the environmental management activities including green belt development. Monitoring of environmental parameters are carried out through external approved laboratory.
xii.	The funds earmarked for environmental protection measures (Capital cost of Rs.2.0 lakhs/annum & Recurring Cost of Rs.0.5 lakhs/annum) should be kept to separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Bangalore.	Refer below: The PA has earmarked funds (Capital cost of Rs.2.0 lakhs/annum & Recurring Cost of Rs.0.5 lakhs/annum) for Environmental protection measures and utilizing the same. Further this amount is not diverted for other purpose. Year wise expenditure was not reported to the Ministry's, RO and agreed to submit in future.
xiii.	The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayaths and Municipal bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied: The PA informed that the copies of the Environmental Clearance was submitted to Panchayath in addition to the relevant offices of the Government.
xiv	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P.	Complied: The PA has given the advertisement in two local news papers (English- The Indian Express on 10.07.2013 and Telugu- Sakshi on 10.07/2017)
xv.	The SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Agreed to comply
xvi	The proponent shall obtain all other mandatory clearances from respective departments.	Complied The PA informed that they have obtained all mandatory clearances from respective departments.
xvii	Environmental clearance is subject to final order of the Hon'ble supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ petition (civil) No. 460 of 2004 as may be applicable to this project.	Agreed to comply
xviii	Any appeal against this Environmental clearance shall lie with the National Green tribunal, if preferred, within a period of 30	Refer below The PA informed that no appeal was made against this project.

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	days as prescribed under section 16 of the National Green tribunal, Act, 2010.	
xix	Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Agreed to comply
xx.	The SEIAA may revoke or suspended the order, if 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 condition in the interest of environmental protection.	Agreed to comply.
xxi	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the public Liability Insurance Act, 1991 along with their amendments and rules.	Refer below The consents are valid up to 30.7.2018. No information was provided about Public Liability Insurance

This has the approval of the Addl.PCCF(C) vide diary no. 1859 dt: 21.12.2017.


Dr.C.Kaliyaperumal
Director(S)

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