



File No. IRO/VIJ/EPA/MISC/111-01/2021
 भारत सरकार / Government of India
 पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest and Climate Change
 एकीकृत क्षेत्रीय कार्यालय / Integrated Regional Office
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 प्रमाणित अनुपालन रिपोर्ट / Certified Compliance Report

SN	Item	Details
1.	परियोजना का प्रकार Type of Project	Non-coal Mining (Galaxy Granite Mine)
2.	परियोजना का नाम Name of Project	19.425 Ha. Black Galaxy Granite Mine of M/s. Andhra Pradesh Granite (Midwest) Pvt. Ltd., Sy. No. 55/5P, RL Puram (V), Chimakurthy (M), Prakasam District.
3.	परियोजना प्राधिकरण का पता Address of project authorities	The Director, M/s. Midwest Granite Pvt. Ltd., D. No. 8-2-684/3/25 & 26, Road No. 12, Banjara Hills, Hyderabad - 500034.
4.	पर्यावरणीय स्वीकृति पत्र सं० एवं तिथि Env. Clearance Letter No. & Date	SEIAA/AP/PKM/MIN/VIO/08/2018/672-1021 dated 13.09.2019 SEIAA/AP/PKM-119/2013-1593 dated 10.06.2013
5.	क्षेत्रीय कार्यालयपत्र सं० Regional Office File No.	IRO/VIJ/EPA/MISC/111-01/2021
6.	स्थल दौरा तिथि Date of Site Visit	30.08.2021
7.	परियोजना की स्थिति Status of Project	Operational

8. परियोजना की वर्तमान स्थिति / Present status of the Project:

The project was monitored by undersigned on 30.08.2021. During monitoring, Shri O. Madhusudhan Reddy, GM (Env), Shri K. Damodar Reddy, (Agent cum Manager) and other Officials were present. As per the discussions held with Project Authorities (PAs), it has been observed that the mine is galaxy granite stone mine with the total mine lease area of 19.425 ha. It has been observed that the PAs have obtained combined Consent for Establishment (CFE), Consent for Operation (CFO) and Hazardous Waste Authorization (HWA) vide Consent Order No. APPCB/VJA/NLR/188/HO/CFO/2017 dated 21.10.2019 for mining of black galaxy granite of 54,643 m³/annum. The CFO is valid till 31.01.2022.

It has been observed that the PAs have obtained permission to extend opencast working at common boundary from Directorate General of Mines

I/6958/2022

Safety (DGMS), GOI vide letter No. Perm-111(3)/11 dated 20.3.2011 and Perm-111(3)/12 dated 30.5.2012. The details of common boundary between other mine leases are as follows:

1. M/s Golden Granite Mine, Survey No. 55/6 of R.L. of 19.43 ha.
2. Sri Surya Granite Mine, Survey Nos. 976/5, 977/9(P0, 10(P), 11, 978/1,2,3,4,5,6 and 979/1,2,8,9,10 over an extent of 14.38 acre.
3. M/s Midwest Granite Mine, Sy. No. 55/5, 59/P & 103/P over an extent of 10.761 ha
4. M/s Alliance AP Black Galaxy Granites Pvt. Ltd, Sy. No. 52, 55/3C, 55/4A over an extent of 54.06 acre.

The photographs of the mine area are as follows:



I/6958/2022



The satellite image of the project location by google maps is as follows:



It has been observed that the Project Authorities (PAs) have complied or are in process of complying the conditions stipulated in EC. The detailed observations are as follows:

I/6958/2022

9. Stipulated Conditions:**EC: SEIAA/AP/PKM/MIN/VIO/08/2018/672-1021 dated 13.09.2019****A: Specific Conditions:**

- i. The project proponent shall maintain the setback distance 7.5 meters buffer zone all around the mine lease area for greenbelt development and other conditions are to be fulfilled.**

Status: Being complied

It has been observed that the mine lease area is rocky and highly impossible to develop green belt in and around the mine lease area. It has been observed that the PAs are in process of developing green belt at Sy.No. 954/1 of Chimakurthy village. As per the information provided, it has been observed that the PAs have developed green belt in an area of 2.74 acres with 800 saplings till date.

Photographs of green belt development status is as follows:



- ii. The project proponent shall allocate sufficient funds for implementation of CSR activities as committed by the representative along with the EMP.**

Status: Being complied

It has been observed that the PAs have allocated sufficient funds for implementation of CSR activities as committed by the representative along with the EMP.

- iii. The avenue plantation (tall plants), of at least 1.5 m height, for 1 km length of the approach road on either side of the road is to be developed and maintained.**

Status: Being complied

It has been observed that the PAs have developed avenue plantation (tall plants), of at least 1.5 m height, for 1 km length of the approach road on either side of the road and is being maintained.

1) Air Pollution: -

- i. Wet drilling method is to 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.**

Status: Being complied

During the day of monitoring, it has been stated that the wet drilling method is being adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting is being used to reduce vibration and dust. Photograph of wet drilling during the day of monitoring is as follows:



- ii. Greenbelt shall be developed along the boundary of mining lease**

I/6958/2022

area and also in back filled and reclaimed areas with tall growing native species in consultation with the local DFO/Agriculture Department. The proponent of mine shall carry mining are and nearby areas. He shall take immediate measures for planting in the same area or any other area selected by authorities not less than twice the number of trees going to be felled by mining operations. He shall also take measures for restoration of other flora/funna if damaged by mining operations.

Status: Being complied

It has been observed that the mine lease area is rocky and highly impossible to develop green belt in and around the mine lease area. It has been observed that the PAs are in process of developing green belt at Sy.No. 954/1 of Chimakurthy village. As per the information provided, it has been observed that the PAs have developed green belt in an area of 2.74 acres with 800 saplings till date.

Photographs of green belt development status is as follows:



- iii. Effective safe guard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. It shall be ensured that**

I/6958/2022

the ambient air quality parameters confirm to the norms prescribed by the Central Pollution Control Board in this regard.

Status: Being complied

It has been observed that the PAs are in process of taking effective safe guard measures of regular water sprinkling on regular basis in critical areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading point and transfer points. As per the monitoring reports submitted, it has been observed that the AAQ levels are within the prescribed limits.

- iv. The proponent of mine shall carry air quality monitoring in the core zone as well as buffer zone for RSPM (PM10) and Noise levels. Location of monitoring stations should be decided based on the metallurgical data topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with Andhra Pradesh Pollution Control Board. The data so recorded should be regularly submitted to the Ministry including its Regional Office located at Chennai and the Andhra Pradesh Pollution Control Board/Central Pollution Control Board once in six months.**

Status: Being complied

It has been observed that the PAs are conducting ambient air quality and noise levels monitoring in core as well as buffer zone. As per the monitoring reports submitted, the parameters are within the prescribed limits.

- v. The proponent shall construct graded roads connecting the mining area to the nearby roads to avoid dust nuisance due to vehicular movements.**

Status: Being complied

It has been observed that the PAs have constructed graded roads which connecting the mining area to the nearby road to avoid dust nuisance due to vehicular movements.

- vi. The proponent shall take precautions against noise arising out of mining operations and shall be abated or controlled at the source so as to keep it within the permissible limits notified under Environmental (Protection) Act, 1986 / Noise Pollution (Regulations & Control) Rules, 2010 by implementing the following noise control measures:**

- **Proper and regular maintenance of vehicles and other**



I/6958/2022

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.**

Status: Being complied

It has been observed that the PAs are in process of implementing above measures to reduce noise pollution during transportation of mineral.

- vii. Whenever any damage to public buildings or monuments in apprehended due to their proximity to the mining lease area, scientific investigations shall be carried out by the holder of mining lease so as to keep the ground vibrations caused by mining operations within safe limit.**

Status: Being complied

It has been observed that the condition is being complied with.

2) Water Pollution: -

- i. The source of water is Bore well. Total water requirement is 60 KLD which is used for dust suppression; wire saw cutting; development of green belt and for domestic purpose.**


Status: Being complied

As per the discussions held, it has been observed that the source of water is mine pit water and by water tankers from nearby villages. The total water requirement is under 60 KLD and being used for dust suppression, wire saw cutting, development of green belt and for domestic purpose.

- ii. 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, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.**

Status: Partially complied

It has been observed that the PAs have constructed garland drains and siltation pond of appropriate size for the OB/waste dumps.



However, garland drains and siltation pond are not constructed for the working pit to arrest flow of silt and sediment.

It is required to construct garland drain and siltation pond of appropriate size for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.

- iii. **The proponent of the mine shall take all possible precautions to prevent or reduce the discharge of toxic and objectionable liquid effluents from mine, workshop, tailing ponds into surface bodies, ground water aquifer and useable lands to a minimum. The effluents shall be suitably treated, if required, to conform to the general standards notified under Environmental (Protection) Act, 1986.**

Status: Being complied

It has been observed that the PAs are in process of taking all possible precautions to prevent or reduce the discharge of toxic and objectionable liquid effluents from mine, workshop, tailing ponds into surface bodies, ground water aquifer and useable lands to a minimum.

- iv. **Monitoring of ground water level and quality should be carried out quarterly by the project proponent in and around project area in consultation with State Ground Water Department/Central Ground Water Authority and data thus collected shall be submitted regularly to the MOEF&CC and its Regional office, Chennai, CGWA, and the Regional Director, Central Ground Water Board, Hyderabad. If at any stage, it is observed that the ground water table is getting depleted due to the mining activity, necessary correction measures shall be carried out.**

Status: Partially complied

As per the discussions held, it has been stated that ground water level and quality is being monitored on regular basis. However, as per records, the monitoring reports are not being submitted along with six monthly compliance reports.

It is required to submit the quarterly monitored reports of ground water level and quality in and around project area along with six monthly compliance reports on regular basis to Ministry's Integrated Regional Office, Vijayawada.

I/6958/2022

- v. **Suitable conservation measures to augment groundwater 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.**

Status: Being complied

It has been observed that the PAs are using mine pit as conservation measures to augment groundwater resources in the area.

- vi. **Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.**

Status: Being complied

As stated above, it has been observed that the PAs are not withdrawing ground water. The water source of the project is from mine pit which is being used for wire saw processing, green belt development and water sprinkling. For drinking and domestic purpose, the source of water is by water tankers from nearby villages.

3) Solid Waste: -

- i. **Topsoil: Wherever top soil exists and is to be excavated for mining operations, it shall be removed and stacked separately and top soil so removed shall be utilized for restoration or rehabilitation of the land, which is no longer required for mine operations or for stabilizing or landscaping the external dumps. Whenever the top soil cannot be utilized concurrently, it shall be stored separately for future use.**

Status: Being complied

It has been observed that currently top soil is not being generated. It has been stated that the generated top soil has been used for plantation purpose.

- ii. **Overburden: The proponent of mine shall take steps so that the overburden, waste rock, rejects and fines generated during mining operations shall be stored in separate dumps preferably on impervious grounds. The waste rock, overburden etc. shall be concurrently backfilled into the mine excavations so as to restore the land to its original use as far as possible. In the case of non feasibility of back filling, the waste dump shall be suitable terraced and stabilize through the vegetation. The proponent shall maintain proper angel of response to ensure stability to the dump.**



Status: Being complied

It has been observed that the PAs have two dump sites viz., one is at Sy. No. 938/1 to 7 of Chimakurthy village over an extent of 6.17 acres and another dumpsite at Sy.No. 941/1 to 4 , 944/1, 944/4 to 7 over extent of 11.19 acre in Chimakurthy village and Mandal. Dumpsite exhausted and second dump site is under operational. It has been stated that the PAs have acquired patta land at Sy No. 25/3B2 of R.L. Puram Village, Chimakurthy Mandal, Prakasam District over an extent of 11.00 acres for dumping as third dump site. It has been observed that the PAs are in process of stabilizing dump site.

- iii. The proponent of mine shall construct required number of retaining walls to provide stability to the dumps. Dimensions of the retaining wall shall be based on the rainfall data.**

Status: Being complied

It has been observed that the PAs have constructed required number of retaining wall to provide stability to the dumps.

- iv. The proponent of mines shall construct required number of garland drains to arrest mineral particles being carried away as runoff during rainy seasons around the dump yards. Dimensions of the garland drains shall be based on rainfall data.**

Status: Being complied

It has been observed that the PAs have constructed garland drains and settling ponds around the dump yards. The photographs are as follows:



- v. 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.

Status: Being complied

It has been observed that the waste oils. used oils generated from the EM machines, mining operations, if any, is being disposed as per the Hazardous Wastes (Management, Handling, and transboundary movement) Rules. 2008 and its amendments thereof to the recyclers authorized by APPCB.

- vi. The proponent of the mine shall undertake phased restoration, reclamation and rehabilitation of the lands affected by the mining operations and shall complete this work before conclusion of such operations and abandonment of the mine.**

Status: Being complied

It has been observed that no restoration, reclamation and rehabilitation of the lands affected by the mining operation were not undertaken yet. As per the discussions held, it has been stated that the deposit is symptomatic in persistence at depth and there is no habitation in the lease area. Therefore, no reclamation and rehabilitation proposal were made and the excavated pit shall be left for water storage.

B. Specific Conditions:

- i. This order is valid for a period of 20 years or the expiry date of mine lease period issued by the Government of A.P., whichever is earlier.**

Status: Being complied

It has been observed that the condition is being complied with.

- ii. "Consent for Establishment" & "Consent for Operation" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act and effectively comply with all the conditions stipulated thereof.**

Status: Being complied

It has been observed that the PAs have obtained combined Consent for Establishment (CFE), Consent for Operation (CFO) and Hazardous Waste Authorization (HWA) vide Consent Order No.

I/6958/2022

APPCB/VJA/NLR/188/HO/CFO/2017 dated 21.10.2019 for mining of black galaxy granite of 54,643 m³/annum. The CFO is valid till 31.01.2022. It has been observed that the PAs are in process of complying with all the conditions stipulated thereof.

- 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, AP/ MOEF&CC. Gol. New Delhi, as applicable.**

Status: Being complied

It has been observed that there is no change in mining technology and scope of working 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, AP/ MOEF&CC. Gol. New Delhi. as applicable. It has been observed that there is no change in the calendar plan including excavation, quantum of granite, and waste. As per the information provided, the production details for last five years are as follows:

Year	Quantity (m ³)	Waste Rock (m ³)	OB (m ³)
Dec, 2019-20	15196.225	97618.769	2970
2020-21	54408.740	350793.260	15992
2021-22 (till July)	20930.405	131163.595	5217

- iv. 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.**

Status: Being complied

It has been stated that the persons working in the dusty areas are provided with the suitable PPEs and giving suitable training on safety and health aspects and all the corrective actions is being taken.

- v. 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, if any, originating from the mine lease shall be taken.**

Status: Being complied

It has been observed that no natural watercourse and/or water

resources during mining operations are being obstructed by mining operations. Measures are being taken to protect the first order streams, if originating in mine lease.

- vi. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures. if needed.**

Status: Being complied

It has been observed that PAs are conducting occupational health surveillance program of the workers periodically and records are being maintained.

- vii. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.**

Status: Partially complied

It has been observed that the PAs have a separate environment management cell with suitable qualified personal under the control of a Senior Executive, who will report directly to the head of the organization. However, it has been observed that the environmental management cell does not have a suitable qualified personal.

It is required to establish a separate Environment Management Cell with suitable qualified personal under the control of a Senior Executive, who will report directly to the head of the organization.

- viii. The funds earmarked for environmental protection measures (Capital cost is Rs 52.37 Lakhs and Recurring cost is 35.5 Lakhs/annum) should be kept in 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.**

Status: Partially complied

It has been stated that the funds earmarked for environmental protection measures has kept in separate account and not be diverted for other purpose. However, year wise expenditure is not being reported to Regional Office.

It is required to submit the detailed report regarding item wise expenditure incurred under environmental protection measures for last five years.

I/6958/2022

It is also required to submit the detailed report regarding item wise expenditure incurred under environmental protection measures along with six monthly compliance reports to Ministry's Integrated Regional Office, Vijayawada on regular basis.

- ix. **The Regional Office of MOEF&CC located at Chennai / The SEIAA, Andhra Pradesh through the Regional Offices of Andhra Pradesh Pollution Control Board, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional office by furnishing the requisite data/information/monitoring reports.**

Status: Being complied

The condition is being complied with.

- x. **The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment & Forests, its Regional Office, Chennai, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, District Collector and A.P. Pollution Control Board. The proponent shall upload the status of compliance of the environmental conditions including results of monitored data on their websites and shall update the same periodically.**

Status: Partially complied

As per the records, it has been observed that the PAs are regularly submitting six monthly compliance reports along with all monitored data to Ministry's Regional Office. However, the same is not being uploaded on company's website.

It is required to upload the status of compliance of the environmental conditions including results of monitored data on the website of company and shall update the same periodically. It requires immediate action.

- xi. **The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats 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.**

Status: Being complied



The condition is being complied with.

- xii. The environmental statement for each financial year ending 31st March in Form-V as mandated is to be submitted by the project proponent to the A.P. Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall be put on the website of the company along with the status of the compliance of environmental clearance conditions and shall also be sent to the Regional office of the Ministry of Environment and Forests, Chennai by e-mail.**

Status: Partially complied

As per the records, it has been observed that the PAs submitting environmental statement for each financial year ending 31st March in Form-V. However, the same is not uploading website of the company.

It is required to upload the copy of Environmental Statement (Form-V) on the website of company and shall update the same periodically. It requires immediate action.

- xiii. 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.**

Status: Complied

It has been observed that the PAs have advertised details of EC in two local newspapers viz., "Sakshi" (Telugu) dated 27.09.2019 and "The New Indian Express" (English) dated 27.09.2019.

- xiv. The proponent shall obtain all other mandatory clearances from respective departments.**

Status: Being complied

It has been observed that the PAs have obtained statutory clearances from respective departments.

- xv. 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.**

Status: Being complied

I/6958/2022

The condition is being complied with.

- xvi. 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.**

Status: Being complied

The condition is being complied with.

- xvii. The SEIAA may revoke or suspend 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 environment protection.**

Status: Being complied

The condition is being complied with.

- xviii. 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.**

Status: Being complied

The condition is being complied with.

10. Observations:

The PAs have complied or are in process of complying the conditions stipulated by the Ministry. In this context, information/action plans have been sought on following points.

1. It is required to construct garland drain and siltation pond of appropriate size for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly.
2. It is required to submit the quarterly monitored reports of ground water level and quality in and around project area along with six monthly compliance reports on regular basis to Ministry's Integrated Regional Office, Vijayawada.



3. It is required to establish a separate Environment Management Cell with suitable qualified personal under the control of a Senior Executive, who will report directly to the head of the organization.
4. It is also required to upload the status of compliance of the environmental conditions including results of monitored data on the website of company and shall update the same periodically. It requires immediate action.
5. It is required to upload environmental statement for each financial year ending 31st March in Form-V on website of the company. It requires immediate action.

11. Recommendations:

This project can be put up in the following tick-marked category of compliance status.

- Compliance status could not be judged as the project was shut down / not in operational during the site visit.
- No non-compliances detected. No any further action is required.
- ✓ **Minor non-compliances detected (not of immediate danger to health & safety of the people). Letter issued to project authorities for taking corrective measures.**
- Serious non-compliances detected. Recommended to issue a Show-Cause Notice to Project Authorities.



(डॉ। सुरेश बाबु पसुपुलेटी)
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