



State Level Environment Impact Assessment Authority (SEIAA)

Andhra Pradesh

Government of India

Ministry of Environment & Forests

A-3, Industrial Estate, Sanathnagar, Hyderabad- 500 018.

REGD POST WITH ACK.DUE

Order No. SEIAA/AP/PKM - 182/2013

DE: 23.10.2013

Sub: SEIAA, A.P. - 0.607 Ha. Colour Granite Mine of M/s. Krishna Sai Exports Private Ltd., Sy.No.103(P), Konidena (V), Ballikurava (M), Prakasam District - Environmental Clearance - Issued - Reg.

L. This has reference to your application submitted vide fr. dt. 30.07.2013, seeking Environmental Clearance for the proposed Colour Granite Mine in favour of M/s. Krishna Sai Exports Private Ltd., Sy.No.103(P), Konidena (V), Ballikurava (M), Prakasam District. It was reported that the nearest human habitation viz. Kondayapalem (V) exists at a distance of about 1.3 km from the mine lease area. It was noted that the capital investment of the project is Rs 50.0 Lakhs and capacity of the project is as follows.

Mining of Colour Granite: 900 m³/Annam.

- II. It is a semi-mechanized opencast quarry. The Blocks are cut by using jack hammer drilling, blasting, Wedge-cutting and excavation. The separated blocks are dressed manually. It is reported that the life of the Mine is estimated as 39 years. The total mine lease area is 0.607 Ha.
- III. The proposal has been examined and processed in accordance with EIA Notification, 2006 and its amendments thereof; & Office Memorandum dt. 18.05.2012 issued by the MoE&F, GOI. The State Level Expert Appraisal Committee (SEAC) examined the application, in its meeting held on 27.08.2013. The project is exempted from the process of public hearing as the mining lease area is less than 25 Ha., in accordance with the guidelines approved by the SEIAA, AP for processing the applications of mining projects. Based on the information furnished, presentation made by the proponent and the environmental consultant M/s.Sri Sai Manasa Nature Tech Pvt. Ltd., Hyderabad, The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on 09.10.2013 examined the proposal and the recommendations of SEAC and decided to issue Environmental Clearance. The SEIAA, A.P hereby accords **Environmental Clearance to the project** as mentioned at Para no. 1 under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following specific and general conditions:

A. Specific Conditions:

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.
- 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.
- 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.
- iv. The proponent shall take appropriate measures to ensure that the G.L.C shall comply with the revised NAAQ norms notified by MoE&F, GOI on 16.11.2009.
- v. The following measures are to be implemented to reduce air pollution during transportation of mineral:-
 - 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 sprinklers to suppress dust.

- vi. The following measures are to be implemented to reduce Noise pollution:-
- 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 earplugs 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.
- vii. 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 MoEF, GOI to control noise to the prescribed levels. Workers engaged in operations of HEMM, etc should be provided with ear plugs/muffs.

b) Water Pollution:-

- i. The source of water is bore wells/ tankers. Total water requirement is 2.0 KLD. Out of that, 0.7 KLD is used for dust suppression; 0.6 KLD is used for development of green belt; 0.7 KLD is used for domestic purpose. Wastewater generated from the domestic section is to be disposed into septic tank followed by soak pit.
- 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.
- 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, Hyderabad. Data thus collected should be sent at regular interval to MoEF, CGWA and CGWB, Southern Region, Hyderabad.
- iv. 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.
- v. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.

c) Solid Waste :-

- i. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.
- ii. The following measures are to be adopted to control erosion of dumps:-
 - 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.
- 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.

II. General 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. It was reported that the life of the mine is 39 years.
- ii. "Consent for Establishment" & "Consent for Operation" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act to carry on mining.

- 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/MoE&F, Govt, New Delhi, as applicable.
- iv. The half-yearly compliance reports in respect of the terms and conditions stipulated in this order & monitoring 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 1st June and 1st December of each calendar year.
- v. Officials 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.
- 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.
- 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.
- 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.
- 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, if any, originating from the mine lease shall be taken.
- x. 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.
- xi. 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.
- xii. The funds earmarked for environmental protection measures (Capital cost of Rs. 2.0 lakhs/ annum & Recurring cost of Rs. 0.50 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.
- xiii. 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.
- 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.
- 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.

- xvi. The proponent shall obtain all other 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.
- xviii. 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.
- 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.
- xx. 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.
- 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.

Sd/-
MEMBER SECRETARY
SEIAA, A.P.

Sd/-
MEMBER
SEIAA, A.P.

Sd/-
CHAIRMAN,
SEIAA, A.P.

To
Sri S. Hanumantha Rao, Mg. Director,
M/s. Krishna Sai Exports Private Ltd.,
(6.607 Ha. Colour Granite Mine),
P.No. 127, MLA Colony, Road No.12,
Banjara Hills, Hyderabad-34.
Ph: 040-23542609.
E-mail: krishnasai_cpl@yahoo.co.in

Copy to:

1. Prof. M. Anji Reddy, Chairman, SEAC, A.P. for kind information.
2. The Member Secretary, APPCB for kind information.
3. The EE, RO, Nellore, APPCB for information.
4. The Regional Officer, MoE&F, GOI, Bangalore for kind information.
5. The Secretary, MoE&F, GOI New Delhi for kind information.

-(T.C.F.B.O.)-



Senior Environmental Engineer
(Unit - I)



ANDHRA PRADESH POLLUTION CONTROL BOARD
ZONAL OFFICE
PLOT NO.41, OPP: SBH, SRI KANAKADURGA OFFICERS'
COLONY, GURUNANAK ROAD, VIJAYAWADA.

Phones : 2546217 / 218
Fax : 0866 - 2546217
e-mail: zovjaices@pccb.ap.gov.in
appcbzovja@rediffmail.com

BY REGD. POST WITH ACK DUE

CONSENT ORDER FOR ESTABLISHMENT

Order No : P-295/PCB/ZO-VJA/CFE/2014- 1690

Date : 04 .11.2014

Sub:- PCB - CFE - M/s. Krishna Sai Exports Pvt. Ltd. (0.607 Ha.) (Colour Granite), Prakasam District - Consent for Establishment of the Board under Sec. 25 of Water (Prevention & Control of Pollution) Act, 1974 and under Sec.21 of Air (Prevention & Control of Pollution) Act, 1981 - Issued - Reg.

- Ref:-**
1. E.C. Order No. SEIAA/AP/PKM-182/2013, Dt.23.10.2013.
 2. Industry's CFE application received at Regional Office, Nellore on 25.10.2014.
 3. RO's inspection report received at ZO, Vijayawada on 13.11.2014.
 4. CFE Committee meeting held on 26.11.2014.

In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to produce the products with installed capacities as mentioned below, with a project cost of Rs.50.0Lakhs in total mining area of 0.607Ha.

Mined Colour Granite - 900 Cum / Year

- II. As per the application, the above activity is to be located at Sy. No.103/P, Konidena (V), Ballikuruva (M), Prakasam District.
- III. The above site was inspected by the Environmental Engineer, Regional Office, A.P.Pollution Control Board, Nellore on 05.11.2014 and found that the site was surrounded by
East: Mine lease area of M/s. Pokarna Limited
West: Mine lease area of M/s. Hara Exports
North: Mine lease area of M/s.Srinivasa Granites
South: Own Mine lease area of M/s.Krishna sai exports
Habitation: Konidena village colony is at about 0.8 km from the mine lease area
- IV. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues **CONSENT FOR ESTABLISHMENT** to your unit / activity under Sec.25 of Water (Prevention & Control of Pollution) Act, 1974 and under Sec.21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to carry out the activity mentioned at para (1) only.**
- V. This Consent Order now issued is subject to the conditions mentioned in Schedule 'A' & Schedule 'B'.
- VI. This Order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl:- Schedule 'A' & Schedule 'B'

To
M/s. Krishna Sai Exports Pvt. Ltd. (0.607 Ha.) (Colour Granite),
C/o. Sri S. Hanumantha Rao,
H.No.127, MLA Colony,
Road No. 12, Banjara Hills,
Hyderabad - 500 034.

JOINT CHIEF ENV. ENGINEER

Copy to JCEE (CFE) (UH-II), Head Office, APPCB, Hyderabad for information.
Copy to JCEE (CESS) (UH-I), Head Office, APPCB, Hyderabad for information.
Copy to JCEE (HWM) (UH-III), APPCB, Hyderabad for information.
Copy to the EE, RO, APPCB, Nellore for information and necessary action.

Handwritten signature/initials

SCHEDULE - A

- 1) The proponent shall obtain Consents for Operation from APPCB, as required under sec. 25/26 of the Water (P&C of P) Act, 1974 and under sec.21/22 of the Air (P&C of P) Act, 1981, before commencement of the activity, including trial production.
- 2) Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power under Sec. 27 (2) of Water (Prevention & Control of Pollution) Act, 1974 and under Sec. 21 (4) of Air (Prevention & Control of Pollution) Act, 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
- 3) The Consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspection officers of different departments.
- 4) Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
- 5) The Rules and Regulations notified by Ministry of Law and Justice, Government of India, regarding the Public Liability Insurance At, 1991 shall be followed.
- 6) If the proponent is aggrieved by this order made by A.P. Pollution Control Board under Sec. 25 of Water (Prevention & Control of Pollution) Act' 1974 and Sec. 21 of Air (Prevention & Control of Pollution) Act' 1981 he may within 30 days from the date on receipt of the order prefer an appeal to Appellate Authority located at H.No.6-1-69/2/1, Lakdi-ka-pool, Hyderabad -500 004.
- 7) This Order is valid for a period of **FIVE** years from the date of issue.

SCHEDULE - B

Water :

- 1) The source of water is bore well and the maximum permitted water consumption is 5.5 KLD.
- 2) The maximum Waste Water Generation (KLD) shall not exceed the following:

Sl. No.	Source	Wastewater Generation (KLD)
a)	Domestic	0.2
	Total	0.2

Effluent Source	Standards to be complied	Mode of final disposal
Domestic	----	Septic tank followed by soak pit.

Air :

- 3) The proponent shall comply with the following for controlling air pollution.

Sl. No.	Source	Capacity	Control Equipment
a)	DG Set	120 KVA	Acoustic enclosures The industry shall provide a minimum stack height (H) to the DG sets as per the following formula $H = h + 0.2 \sqrt{KVA}$ KVA = Total generation capacity, h = Height of building where D.G.Set is installed in meters.

Source	Control measures	Standards to be complied
Material Handling & Vehicular Movement	Water sprinkling	SPM-100 mg/Nm ³ ,

- 4) The generator shall be installed in a closed area with a silencer and suitable noise absorption systems. The ambient noise level shall not exceed 75 dB(A) during day time and 70 dB(A) during night time.
- 5) The industry shall not exceed the following Ambient Air Quality standards measured at the periphery of industry -
 $SO_2 - 80 \mu g/m^3$, $NO_x - 80 \mu g/m^3$, $PM_{2.5} - 60 \mu g/m^3$, $PM_{10} - 100 \mu g/m^3$,

Noise levels : Day time (6 AM to 10 PM) - 75 dB(A)
 Night time (10 PM to 6 AM) - 70 dB(A).

- 6) The Air Pollution control equipment shall be installed along with the commissioning of the activity.

Solid Waste :

- 7) The proponent shall comply with the following :

Sl. No.	Solid Waste generated from	Quantity	Method of Disposal
1)	Overburden & Rejects of Mining	3072 M ³ /Annum	To be used for land fill / dumping in earmarked area as per the approved mine plan.
2)	Waste Oil from DG Sets & Other equipments	100 LPA	Internal usage for cranes and partly disposed to authorized recyclers.

- 8) The following rules and regulations notified by the MOE&F, GOI shall be implemented.
 - a) Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 and its Amendments thereof.
 - b) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
 - c) Rules for manufacture, use, import, export and storage of Hazardous micro-organisms / genetically engineered organisms or cells, 1989.

Other Conditions :

- 9) The proponent shall develop greenbelt in buffer zone area. Greenbelt development shall be started along with the construction activity.
- 10) The proponent shall maintain effective depth of mine to be undertaken duly considering the impact on Nagarjuna Sagar Right Bank canal and the ground water quality.
- 11) The proponent shall dispose the mine rejects as per the approved mine plan.
- 12) The proponent shall carry out the mining as per the approved mine plan.
- 13) The proponent shall store the mine rejects and overburden within the earmarked mine lease area as per the approved mine plan.
- 14) The proponent shall sprinkle the water on approach roads and the top soil shall be utilized for green belt development.
- 15) The proponent shall not to construct any of polishing & cutting units within the mine lease area.
- 16) The proponent shall take necessary measures for control of air pollution which is being generated during excavation and transportation of the mined material as committed in the EMP / approved mine plan.
- 17) The proponent shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
- 18) The proponent shall comply with all the directions issued by the Board from time to time.

- 19) Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.
- 20) The order is issued without prejudice to the rights and contentions of this Board in any court of law.
- 21) The Board reserves its right to modify above conditions or stipulate any additional conditions including revocation of this order in the interest of environment protection.


JOINT CHIEF ENV. ENGINEER

To
M/s. Krishna Sai Exports Pvt. Ltd. (0.607 Ha.) (Colour Granite)
C/o. Sri S. Hanumantha Rao,
H.No.127, MLA Colony,
Road No. 12, Banjara Hills,
Hyderabad – 500 034.