

**GOVERNMENT OF ASSAM
ENVIRONMENT, FOREST AND CLIMATE CHANGE DEPARTMENT
JANATA BHAWAN, DISPUR, GUWAHATI-6**

No. 288519/I/1346089/2025

Dated Dispur, 09-12-2025

To : The Assistant Inspector General of Forests (FC),
Ministry of Environment, Forest & Climate Change,
Government of India, New Delhi.

Sub : Proposal seeking prior approval of the Central Government in favour of M/s Fatik Das for non-forestry use of 5.4 hectare of Reserved Forest for operation of Gopeswar Stone Quarry & Mining Zone Area -reg

Ref : Letter No. FG.27/Nodal/Proposal/Gopeswar MCA/N.K. Division dtd. 04.11.2025 as received from the Chief Conservator of Forests & Nodal Officer (FC Act), o/o PCCF & HoFF, Assam.

Madam/Sir,

With reference to the subject cited above, I am directed to forward herewith a proposal along with its enclosures as received from the Chief Conservator of Forests & Nodal Officer (FC Act), o/o PCCF & HoFF, Assam seeking prior approval of the Central Government under section 2 (I)(ii) of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980, in favour of M/s Fatik Das for non-forestry use of 5.4 hectare of Reserved Forest for operation of Gopeswar Stone Quarry & Mining Zone Area under North Kamrup Division in Kamrup District in the State of Assam. The Online proposal No. is FP/AS/QRY/37021/2018.

This is for favour of your kind perusal and necessary action.

Enclo : As stated

Yours faithfully

**Digitally signed by
Ramen Chandra Malakar
Date: 09-12-2025
12:12:35**

Commissioner & Secretary to the Govt. of Assam,
Environment, Forest and Climate Change Department

Memo No. 288519/I/1346089/2025-A

Dated Dispur, 09-12-2025

Copy forwarded to:

P.S. to the Special Chief Secretary to the Govt. of Assam (Forest), Environment, Forest & Climate Change for kind appraisal of the Spl. Chief Secretary.

e-signed

Commissioner & Secretary to the Govt. of Assam,
Environment, Forest and Climate Change Department

By E-Mail

**GOVERNMENT OF ASSAM
OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS AND
HEAD OF FOREST FORCE, ASSAM
ARANYA BHAWAN, PANJABARI, GUWAHATI-37**

No. FG.27/Nodal/Proposal/Gopeswar MCA/N.K. Division

Date: 04.11.2025

To,

**The Special Chief Secretary (Forests) to the Government of Assam,
Environment, Forest and Climate Change Department, Dispur, Guwahati-6.**

Sub: - Proposal for seeking prior approval of the Central Government under section 2 (1)(ii) of the Van (Sanrakshan Evam Samvardhan) Adhiniyam, 1980 in favour of M/s Fatik Das for non-forestry use of 5.4 hectare of Reserved Forest for operation of Gopeswar Stone Quarry & Mining Zone Area under North Kamrup Division in Kamrup District in the State of Assam (Online proposal No. : FP/AS/QRY/37021/2018) – reg.

Ref: - Government of India letter dated 22.08.2025.

Sir,

Reference is invited to the subject and letter cited above. In this context, the undersigned is directed to enclose herewith the following information /documents furnished by DFO, North Kamrup Division and as sought by the MoEF & CC, New Delhi vide their letter dated 22.08.2025 for your kind information:

Sl. No.	Observation	Information Provided
(i)	The State Government needs to address the concerns raised by the Ministry on 15.03.2019 (copy enclosed) wherein the extant proposal for diversion of 5.38 was returned to the Regional Office by the Ministry.	As per Government of India letter No. 3ASC011/2019-SHI/128-129 dated 15.04.2019, the User Agency has submitted the revised proposal alongwith map incorporating an additional 0.2 hectare for the approach road (5.38 ha+0.2 ha). Accordingly, the total proposed diversion area is 5.4 hectares.
(ii)	The State Government may inform the status preparation of a comprehensive environment management plan for sustainable mining within the forest area and pending which no further forest clearance for mining leases should be accepted/ granted by the Regional Office/Ministry.	The User Agency (M/s Fatik Das) has submitted the Environment Management Plan of “Gopeswar Stone Quarry & Mining Zone” Area (copy enclosed).
(iii)	As per the Lol dated 29.09.2018, the approved quantity from the lease area is 2 lakh cum while the Mining Plan is approved for extraction of 2.5 lakh cum	Yes, the LoI holder was allotted only 2 lakh cu.m. for five years and the Mining Plan was approved for 2.5 lakh cu.m. & the excess quantity has been reserved for emergency development works of the

Sl. No.	Observation	Information Provided
	Discrepancy needs to be rectified by the State Government.	government.
(iv)	Further, the State Government also needs to confirm, if the LoI dated 29.09.2018 granted by the Nodal Officer, is still valid in accordance with the relevant provisions of the Mineral Concession Rules.	Yes, the LoI is valid in accordance with the Assam Minor Mineral Concession Rules, 2013.
(v)	Part-II mentioned the total project affected trees as 9 while the Regional Office in its inspection report has reported the total project affected trees as 68. The State Government therefore needs to revisit the number of project affected trees.	The DFO, North Kamrup Division has stated that the tree enumeration report, 68 trees were found in the proposed stone quarry area. However, while uploading the report to the portal, the number of trees was wrongly entered as 9 due to typographical error. In view of this, the number of trees may be considered as 68 instead of 9.
(vi)	Area earmarked for safety zone may be intimated by the State and accordingly included in the purpose wise break up of the forest area required for the proposal.	The proposed diversion area breakup is as follows - Total mining area = 4 hectare Safety Zone = 1.38 hectare <u>Approach Road</u> = <u>0.2 hectare</u> Total proposed diversion area = 5.4 hectare
(vii)	As per details furnished in the proposal, the CA has been proposed over an area of 5.4 ha non-forest land, while as per DSS, the area of CA is 5.914 ha. The correctness of the area of the KML files may be revisited by the State for its rectification, if any required.	The Compensatory Afforestation has a small mined area and in order to compensate for this, the extra area has been kept for Compensatory Afforestation.
(viii)	As per Decision Rule 1 of DSS, the area falls under High Conservation Value Zone as the proposed road falls within 250 m buffer of Mudunkari N water Stream Comments from State Government in this regard needs to be submitted.	The DFO, North Kamrup Division has stated that the proposed road is already existing and it is being used for patrolling by forest staff. There will not be any change in the road configuration and hence no impact is anticipated on the stream.
(ix)	As per DSS, mining activities are visible in the proposed CA site. Therefore, the suitability of CA land may be revisited by the State and in case the CA land is not suitable, the alternate CA site may be identified by the State and the same may be informed to the Ministry.	The DFO, North Kamrup Division has stated that the mined area has been excluded from the Compensatory Afforestation (CA) site. The total area identified for CA is 5.914 hectares, while the actual area to be planted is 5.4 hectares. The land surrounding the mined portion will be planted, which will facilitate the reclamation of the entire area.
(x) (i)	The State Government may provide its comments on the recommendation made	The DFO, North Kamrup Division has stated that no FC violation has been reported till date.

Sl. No.	Observation	Information Provided
	by the DDG, Regional Office in the site inspection report of the Regional Office.	
(x) (ii)	The State Government may provide its comments on the recommendation made by the DDG, Regional Office in the site inspection report of the Regional Office.	The DFO, North Kamrup Division has stated that the Environment Management Plan has been prepared for the mining areas.

It is requested that the aforementioned details may kindly be communicated to the Government of India, MoEF&CC, New Delhi for further processing of the proposal.

Encl: As above.

Yours faithfully,
Rajendra G Garawad
Digitally signed by Rajendra G Garawad
Date: 2025.11.04 16:36:13 +0530
Chief Conservator of Forests & Nodal Officer (FC Act)
Email: adtlpccf.nodal@gmail.com

Copy to:

- 1.The Conservator of Forests, Central Assam Circle, Basistha, Guwahati.
- 2.The Divisional Forest Officers, North Kamrup Division, Rangia.

ENVIRONMENT MANAGEMENT PLAN

of

“Gopeshwar Stone Quarry & Mining Zone”

Located at

Village- Deuduar Gaon, P.O. Deuduar, P.S. Changsari, District- Kamrup (Assam).

Mine Lease Area: 5.38 Hectares

Production Capacity : 50,000 Cu.m per year

Project Cost: 0.52 Crore

NAME OF THE LABORATORY

M/S GEOGREEN TESTING LABORATORY, LUCKNOW

NABL ACCREDITATION NO ISO/IEC17025:2017

Monitoring Period: December, 2019 February, 2020

PROJECT PROPONENT

Sh. Fatik Das S/o Lt. Sri Phanidhar Das

Address: Railway Colony, Bamunimaidam, P.S. Chandmari, P.O. Bamunimaidam,
District- Kamrup (Assam)

ENVIRONMENTAL CONSULTANT

GEOGREEN ENVIRO HOUSE PVT. LTD.

(A QCI / NABET Approved EIA Consultant & ISO 9001:2015 Certified Company)

Reg. Address: C 1/20, Viraj Khand, Gomti Nagar, Lucknow,
Uttar Pradesh 226 010, Phone: +91-9415215163, 9161202020

Website: www.geogreen.in, Email: vkm.geo@gmail.com

Chapter 10. ENVIRONMENTAL MANAGEMENT PLAN

10.1 Introduction

The above said mining lease for Stone, the area being 5.38 hectares is located in Village- Deuduar Gaon, P.O. Deuduar, P.S. Changsari, District- Kamrup (Assam) will start in the mining lease as per the approved mining plan after environmental clearance and grant of the mining lease. The workings are simple, by making approach roads and formation of benches by hydraulic machinery. The drilling and blasting for extraction of the mineral and loading and transportation of mineral will be the major activities.

Mining activities in the areas involve excavation of over burden, transportation of Mineral etc. These activities lead to generation of air borne dust, which can cause air pollution in and around the area; if appropriate control measures are not taken. Similarly mining causes land degradation, noise and water pollution etc.

In order to minimize impacts of mining on different environmental parameters and to keep air and water quality within prescribed limits, a comprehensive environmental management plan has to be prepared. Any effort to control adverse impacts will be incomplete without appropriate control measures for reclamation of land affected due to mining and dumping. One of the balanced approached for development of mineral resources is total utilization of all the products. It aims at making use of all the products generated during mining including overburden as well as pits and voids, so that no working is left out either as pollutants or as scars on earth surface. Usually the environmental management plan is prepared for site development and for development stage, during operation phase and for post operation phase. This area is being worked for the last many years. Therefore, management plan operation phase and post operation phase is discussed

10.2 Impact on Environment

The following impact will be observed on Environment:

The soil if located on the deposit will be disturbed.

The topography of the land will be disturbed by proposed excavation and dumping activities.

Drainage pattern i.e. Nalah etc may be disturbed by waste if dumped on the nalahs.

Water resources may be disturbed if workings go beyond the water table.

- Air quality will be disturbed by proposed mining activities like drilling, blasting, transportation etc.
- Socio economic status of the habitants not affected by mining.
- The health of the habitants may be affected by pollution of air and water.

Thus, the Environment Management is proposed in environmentally sustainable manner to protect the environment by proposed mining.

10.3 The Purpose of the EMP

The purpose of the EMP (Environment Management Plan) is to suggest the mining activities in such a manner that the mining will be eco-friendly and by reducing all the impacts which may be caused by proposed mining activities.

Environmental Management Plan (EMP) is defined as "a systematic identification & evaluation of the potential impacts of the proposed project, plan program, or legislative actions related to the physical-chemical, biological, cultural and socio-economic components of the total environment." It is the evaluation of various impacts and the resultant natural and induced changes, as simply and precisely as possible, for optimizing the development to the environment. By virtue of EMP, the patterns, direction, strengths and lags of the casual relationships existing among all the relevant variables are studied.

It also helps in the determination of additional project components that may be required to restore, maintain or extend the resources. EMP is useful for decision making, as it is based on understanding the environmental implications including social, cultural and aesthetic concerns, which could be integrated with the analysis of the project costs and benefits.

The Environment Management Plan (EMP) provides guidance for mine owner to take the lead in best environmental practice in all aspects of the mining industry. This environmental management plan (EMP) aims to take a pro-active route by addressing air, noise and groundwater and surface water problems before they occur.

10.4 The Design of EMP

This Environment Management Plan is prepared considering the best affordable technological environmental control measures with proper implementation and effectiveness

of migratory measures in mitigation of impacts. Considering the impact of pollution in surroundings and monitoring this EMP is prepared considering the effectiveness of steps for implementation of proper EMP.

10.5 Land Use Pattern

The land will be affected by excavation of mineral and dumping of waste.

Land use planning is suggested for minimizing the adverse impact of mining activities on environment and also helps in economy of the project as well as effective restoration and enhancement of land surface with the help of plantation through proper and planned green belt development around the area and upper benches. The waste will be sold out and thus no impact will be anticipated by dumping of waste.

The excavated land will be used as water reservoir and this reservoir will be great helpful for future plantation, livestock and for irrigation of crops etc.

The excavated land i.e. water reservoir will be properly fenced.

10.6 Air Environment Management

The main pollutant in air is suspended particulate matter (SPM), which is generated during various activities of mining such as, removal of overburden, drilling, blasting and movement of transport vehicles.

The ambient air quality with respect to the study zone of 10km radius around the mine site forms the baseline information. The various sources of air pollution in the region are dust rising from unpaved roads, domestic fuel burning and vehicular traffic. The prime objective of baseline air quality monitoring is to assess existing air quality of the area. This will also be useful in assessing the conformity to standards of the ambient air quality during the mining operations.

The air quality which got adverse impact by transportation will be minimized by water spray on the approach roads twice in a day during summer and once in winter.

The drilling will also generate dust and this dust will be checked by adopting wet drilling or by using hydraulic rock breakers.

The pollution created by diesel operated machinery will be minimized by adopting good quality silencers and proper maintenance of vehicles.

The air quality monitoring has been conducted and the air pollution found in limits. Periodical monitoring will be carried out.

10.7 Control of Gaseous Pollution

In mining activities, the sources of gaseous emissions are from blasting and emissions from diesel engines or from machinery. The blasting in the area will be done on small scale and gases produced by blasting will be diluted by wind. The emissions from machinery can be controlled by proper maintenance of mine machinery and other transport vehicles used in mining operations. The gaseous pollution in the mining area is within permissible limits.

10.8 Control of Dust Pollution

Dust will generate due to vehicular movement and drilling, blasting. Water sprinkling will be done in the Mine Area and haul road to prevent the dust emission. Greenbelt around the site will be developed and trees will be planted. The protective measures are as follows for minimizing the impact on air pollution.

10.8.1 During Drilling

- (i) Sharp drill bits are used for drilling.
- (ii) The drill machine is operated with dust extractor arrangement.
- (iii) Drill operators and helpers are provided with personal protective appliances.

10.9 Blasting

10.9.1 Blasting Notification

- All owners of non-vacant property within ¼ mile of the blast location will be notified prior to blasting activities. The Local Police Department will be notified prior to blasting.
- Owners and the Police Department will be notified at least 24 hours in advance of blasting activities. A record of notifications will be maintained and will be available for inspection by the District Police Chief.

Before each blast the blaster shall follow this procedure

- 5 minutes before the blast the area will be cleared and secured.
- 2 minutes before the blast the blaster will blow 3 short blows from a horn to warn of the blast

- 1 minute after the blast the blaster will blow 1 long blow from a horn to signal the all clear.

10.9.2 Protective Management Practice

- i) In general, blasting is required as the mineral is hard. The rock breakers will also be used from time to time. The blasting is required in overburden and to excavate the mineral etc. It will be done between 1 PM to 2 PM during this period movement of men and animals is less. Proper warning signals will be given before blasting.
- ii) All explosives shall be stored in an approved tamper-proof explosive storage unit. If vehicle storage is utilized, the vehicle storing the explosives shall not be left unattended at any time while on site nor shall the vehicle remain on site overnight.
- iii) Blasting will be done by licensed/authorized persons and all the precautions laid down in MMR, 1961 are to be followed.
- iv) Secondary blasting will be not done in the mine.
- v) The proper charge per hole will minimize dust and fly rocks.
- vi) Spraying of water will be done on the blast site during the blast.
- vii) Blasting will not occur during adverse weather conditions, such as high winds, unless a loaded charge must be detonated before the end of the day for safety reasons.
- viii) Two to four feet of rip able material will be left over the solid material to be blasted to serve as a cover to prevent excessive fly rock. Blasting mats may be used if overburden is not available. The blasting mats must be of suitable size and material to dampen noise and contain blasted materials.
- ix) The size of the shot will be limited by sound and vibration control levels and amount of area that can be blasted with good results.
- x) Small diameter drilling with high speed equipment will be used to reduce the amount of explosives used in each hole.
- xi) The use of delay blasting techniques will be used to reduce vibrations associated with the blast.
- xii) Material stockpiles will be placed to help block blasting and material processing noise transmission off-site.
- xiii) Blasting shots will be designed to minimize ground vibration and air blast.

10.9.3 During Transport operations

- i) All the haul roads are kept leveled, wide and compacted.

- ii) Regular water spraying will be done on haul roads in the mining area.
- iii) In order to reduce dust pollution, green belt will be developed around the dumps, mining boundary and roads etc.
- iv) Slope of the dumps will be vegetated with shrubs to minimize generation of dust with the wind.

10.9.4 During loading operations

The dust which may be created during loading of mineral and waste will be minimized by spraying water on them before loading.

10.9.5 Plantation work in the area

The proposed plantation around the workings, along kacha rasta from tar road will minimize the dust which may spread in nearby area. Plantation will be done in each monsoon.

10.9.6 Monitoring

The periodic monitoring will be provided for air and dust to know the quality of air. The protective measures will be adopted if pollution crosses the limit.

10.10 Noise Pollution

The following measures are proposed to control noise pollution

- All the machinery including transport vehicles are properly maintained to minimize generation of noise.
- Adequate silencers in the machinery are to be provided to reduce generation of noise.
- Drilling with sharp bits will minimize generation of noise.
- Control blasting will be being done with proper charge of explosive to minimize noise during blasting.
- Secondary blasting will not be done.
- Dense plantation in mining area will also reduce propagation of noise outside the core zone.
- Ear plugs will be provided to the workers who will be engaged near the noise creating machinery.

10.11 Vibration Abatement (If Blasting Is Done)

- The ground vibration may be created, during blasting. The blasting will be towards lower side and the rock breakers will be deployed for excavation of rocks. The following precaution are being taken to minimize ground vibration and fly rocks though there is no permanent structure which may be damaged due to vibrations.
- Blasting is being done by competent persons in the supervision of Mine's Manager.
- Not more than 10 short holes or 4 long holes will be blasted at a time and thus vibration due to blasting will not be significant.
- Stemming length is kept more than one third of the hole, it helps in reduction of ground vibrations.
- Before drilling and blasting, the face is cleared with loose rock which may be source of fly rock.
- The blast holes are drilled slightly inclined towards the free face. This reduces noise, vibration and fly rocks.

10.12 Water Management

- No surface water encountered in and near the lease area in 500 meters periphery. In absence of surface water body in nearby the area no impact will be anticipated on surface water.
- Garland drains with parapet walls will be provided around the excavation and towards lower altitude side of dump to check the silt spread in nearby area during monsoon.

Ground Water Management:

- The non-working pits will be used for rainwater harvesting and conservation. The pit after exhaustion of mineral will also be used for rainwater harvesting and conservation. Thus, by using the old pit and mineral, exhausted pit as water reservoir the water table will be recharged.
- The excavated pit is proposed as water reservoir at the end of the mine after securing the side walls.
- No toxic mineral substance is present in the area thus ground water quality will not be disturbed.

Water Conservation:

It is a mining project and the water will be only used for drinking purpose, for dust suppression and for plantation. The plantation is also proposed along the lease boundary and on upper benches. The monsoon water will be filled in old pits or non-working pits for rain water harvesting.

10.13 Solid Waste and Top Soil Management

It is a Stone mine and most of the excavated material will be sold out. The mineral rejects will be stored in the waste dump at site. No separate soil is observed in the lease area. The soil which may come across is scraped and stacked separately to be used for plantation during monsoon. In case over burden have to be dumped in the area it will be stabilized by retaining walls of rubble stone to arrest the rolling downs. The drain with parapet wall will also provide to check the dust during monsoon.

Top Soil Management

No separate soil is observed in the lease area. The soil may come across in cavities. The soil which may come across will be scraped and stacked separately and it will be used for plantation in each monsoon.

10.14 Occupational Safety and Health

The occupational hazards are related to dust pollution, noise and blasting. The persons may get injuries from moving machinery, fall from high places, fly rocks during blasting etc. DGMS has given necessary guidelines for safety against these accidents. The following precautions are being taken to protect the workers from these hazards.

- i. The sample of the mineral will be analyzed to know any occupational ill effects.
- ii. Dust may create the health hazard and proper management will be adopted.
- iii. Dust respirators will be provided to the labourers and staff.
- iv. Awareness programme against dust will be conducted.
- v. The health problem of the labourer, if found, will be properly addressed.
- vi. Periodic medical checkup will be conducted.
- vii. Unsafe workings will be checked time to time.
- viii. The proper training camps will be conducted time to time for health and safety practice.
- ix. The emergency and fire-fighting services will be provided

- x. All the safety equipment such as hard boots, helmets, masks, ear plugs and safety belts are provided to workers working in hazardous areas.
- xi. All the persons are instructed not to go near the machinery during operations.
- xii. Separate foot paths will be made for mine workers.
- xiii. A well-equipped first aid station will be maintained at the mine.
- xiv. Blasting will be done with all precaution laid down in MMR, 1961. Proper warnings being given before blasting.
- xv. Regular water spraying will be done on haul roads to suppress the dust.
- xvi. Medical checkup of the employed persons will be got done on a regular basis.

Table 10-1: Budget for Occupational Health and Safety

S. No.	Items	Capital cost INR	Recurring cost INR
1.	Measures prevent accidents during mining	20,000.00	3,000.00
2.	Measures prevent accidents during mineral transportation	15,000.00	1500.00
3.	Measures prevent accidents during trucks /Dumpers	10,000.00	1,500.00
4.	Measures prevent dangerous incident during inundations	10,000.00	1,500.00
5.	Medical examination schedule	20,000.00	3,000.00
	Total	75,000.00	10,500.00

**the certified and qualified staff engaged at mine wills daily check the workings are for entering the laborers in the mine.*

*** Proper sign boards will be provided with siren arrangements*

**** The workings are on higher side*

10.15 Budget allocation for EMP implementation

Annual budget for EMP is very essential for successful implementation of EMP. As there are no pollution control systems, no capital cost of Pollution Control systems are envisaged. Costs will be annual operating costs as given below. The fund allocated will not be diverted for any other purposes and the top management will be responsible for this. The budget will take into consideration the following expenses:

- Field cost for monitoring of parameters.
- Cost of any defined outsourcing
- Cost of chemicals, consumables and transport for data generation
- Man power cost for environmental cell
- Any other cost as per EC condition

Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures.

Table 10-2: Project Cost Estimate

S. No.	DETAILS	NUMBER	RATE in Rs.	TOTAL in Rs.
1.	Labors for 300 Days	53	300	47,70,000
2.	Temporary Site office	-	-	50,000
3.	Other tools & Equipments	-	-	10,000
4.	Environment Management Plan	-	-	3,72,000
Total				52,02,000

Table 10-3: EMP Budget

Annual Budget for Environmental Management Plan							
S. No.	Activity	Measures	No.	Unit Rate, INR	Frequency	Cost, INR	Remark
1	Green Belt	No. of Saplings	300	50	1	15000	Assuming 80 % survival
		Barbed Wire in RM	40	50	1	2000	
		Tanker for Watering Plant	1	500	100	50,000	
Sub Total (A)						67,000	
2	Dust Suppression through Sprinkling	No. of Tankers Required of 1000 Liter Capacity	1	500	180	90000	
3	Monitoring Program	Ambient Air Quality	10	2000	2	40000	Core Area: 1, Buffer Area: 4
		Water Quality	10	2500	2	50000	Surface Water : 2, Ground Water :3
		Ambient Noise	10	1000	2	20000	Core Area:1, Buffer Area: 4
		Soil Quality	10	1500	2	30000	Core Area:2, Buffer Area: 3
4	Occupational Health & Safety	Health Camps	1	25000	3	75000	One Health Camp in every six months
Sub Total (B)						305000	
Grand Total (A+B)						3,72,000	

FINAL ELA REPORT FOR "GOPESHWAR STONE QUARRY & MINING ZONE", HAVING MINE AREA- 5.38 HECTARES, LOCATED NEAR VILLAGE- DEUDUAR GAON, P.O. DEUDUAR, P.S. CHANGSARI, DISTRICT- KAMRUP (ASSAM)

10.16 Environment Policy

The environment policy right from mine preparation to its operations will be based on:

- Compliance of applicable regulatory requirements;
- Conservation of natural resources;
- Maintaining a safe working environment;
- Providing high environmental expertise and know-how; and
- Regular training and refresher courses so as to achieve continuous improvement of environment.

In fulfillment of this commitment, they shall maintain continuing efforts to:

- Comply with all applicable safety, health and environment laws and regulations.
- Enhance Safety, Health and Environment (SHE) awareness among employees and associated stakeholders through effective communication and training
- Investigate all workplace incidents and illness in order to promptly correct any unsafe conditions or practices
- Integrate SHE considerations into business planning and decision making
- SHE responsibility among our employees in their practices, and promote and value their involvement in achieving the goals of this policy
- Increase shareholder value through SHE excellence

10.17 Environmental Safeguards (Summary)

The regular water sprinkling will be provided over the approach road and all other dust creating points and places to minimize the dust during mining and other operations. The safe blasting as per Mines Act will be conducted by certified blaster by implementing all measures to arrest of Fly rock and minimize the ground vibrations. The nearby structures should not be disturbed by blasting. Drilling will be either wet process or by using dust extractors. In case of deep hole blasting the lessee will take permission from DGMS. For the safety of the laborers the personal protective devices will be provided and proper training will be provided for environment and safety. The height and width of the benches and face slope are proposed as per Metalliferous Mines Regulation 1961. Regular health checkups will be provided with periodically organized occupational health surveillance program for the workers. Insurance/ Group insurance will be provided for all laborers as per rules. Vehicular emissions will be checked by adopting good

255

FINAL EIA REPORT FOR "GOPESHWAR STONE QUARRY & MINING ZONE", HAVING MINE AREA- 5.38 HECTARES, LOCATED NEAR VILLAGE- DEUDUAR GAON, P.O. DEUDUAR, P.S. CHANGSARI, DISTRICT- KAMRUP (ASSAM)

quality of silencers and by maintain wide and smooth roads. The noise level/pollution will be maintained within the permissible limit. Plantation as per approved planning will be provided in the lease area to increase the aesthetic environment of the lease area and nearby the lease area. The lessee will also follow the conditions imposed in the Environment Clearance for environment protection measures, ESR, CSR, etc.

ENVIRONMENTAL
CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environmental Single-Window Hub)



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Assam)

To,

The OWNER
DAS FATIK
SRI FATIK DAS S/O LT PHANIDHAR DAS RAILWAY COLONY
BAMUNIMAIDAM P/S-CHANDMARI,P.O- BAMUNIMAIDAM -781021

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/AS/MIN/72401/2020 dated 16 Mar 2022. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|--|
| 1. EC Identification No. | EC22B001AS141309 |
| 2. File No. | SEIAA. 1173/2020 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | 1(a) Mining of minerals |
| 6. Name of Project | "GORESHWAR STONE QUARRY &
MINING ZONE", HAVING MINE AREA-
5.38 HECTARES, LOCATED NEAR
VILLAGE- DEUDUAR GAON, P.O.
DEUDUAR, P.S. CHANGSARI,
DISTRICT- KAMRUP (ASSAM) |
| 7. Name of Company/Organization | DAS FATIK |
| 8. Location of Project | Assam |
| 9. TOR Date | 05 Jan 2021 |

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 29/07/2022

(e-signed)
Indreswar Kalita
Member Secretary
SEIAA - (Assam)

Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.

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253

This has reference to your application for Prior Environmental Clearance proposal no. SIA/AS/MIN/72401/2020 dated 16/03/2022 along with Form-1M, Mining Plan, D.F.O. letter, EIA Report, Public Hearing Report, Google map with G.P.S. Co-ordinates and other relevant documents for Collection of Stone from "5.38 Ha Gopeswar Stone Quarry" under Sila Range of North Kamrup Forest Division, Rangia, Dist. Kamrup, Assam.

The quantity of Stone to be collected is:

Stone: 2,50,000 (Two Lakh Fifty Thousand) cu.m. Stone from the proposed mining site within a period of five (5) years & 50,000 (Fifty Thousand) cu.m. Stone per year is recommended.

Total Allotted area: 5.38 Ha.

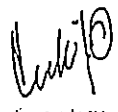
The Stone shall be extracted only from the area of the GPS Co-ordinates as per Mining plan, mentioned below:

<u>Longitude (East)</u>	<u>Latitude (North)</u>
1. E- 91° 43' 32.000"	N- 26° 18' 59.800"
2. E- 91° 43' 35.500"	N- 26° 18' 59.600"
3. E- 91° 43' 40.825"	N- 26° 18' 59.583"
4. E- 91° 43' 46.601"	N- 26° 18' 59.651"
5. E- 91° 43' 50.810"	N- 26° 18' 59.940"
6. E- 91° 43' 50.770"	N- 26° 19' 03.180"
7. E- 91° 43' 45.968"	N- 26° 19' 03.108"
8. E- 91° 43' 41.025"	N- 26° 19' 02.983"
9. E- 91° 43' 35.700"	N- 26° 19' 02.900"
10. E- 91° 43' 32.100"	N- 26° 19' 03.100"

The Stone shall be extracted manual/mechanized way (as per mining plan) from "5.38 Ha Gopeswar Stone Quarry" under Sila Range of North Kamrup Forest Division, Rangia, Dist. Kamrup, Assam.

The proposal was examined and processed in accordance with EIA Notification 2006 and its amendment thereof. The State Level Expert Appraisal Committee (SEAC), Assam examined the documents of the proposal for Extraction of Stone at its meeting held on 06/07/2022. Accordingly the application was discussed and thoroughly scrutinized by the SEAC and found that the project falls under I(a) and considered as B2 Category of EIA Notification 2006 and subsequent amendments. The Committee recommended the project to the SEIAA, Assam for issuance of Environmental Clearance.

Based on the recommendation of the SEAC, the State Environment Impact Assessment Authority, Assam (SEIAA) considered the proposal in its meeting held on 15/07/2022 and accords Prior Environmental Clearance to the project as mentioned above under the provision of EIA notification 2006 and its subsequent amendments issued under Environment Protection Act 1986 subject to compliance of the following specific and general conditions.



Member Secretary
SEIAA, Assam

252


The operational area of mining must not exceed the given Mining Area 5.38 Ha and there should not be any other area of mining contiguous to this. The project proponent is required to submit a declaration in writing to this effect before commencement of the work.

1. Specific Conditions

1. The legal status of the mining area remains unchanged.
2. The lease holder shall undertake adequate safeguard during collection of Stone and ensure that due to this activity, the hydro geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area during the mining operation. If at any stage, it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out.
3. Manually/semi-mechanized way and low impact Excavation of Stone shall be undertaken (as per mining plan).
4. Top soil shall be kept separately and use for refilling the excavated area.
5. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter as at loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. The status of implementation of measures taken shall be reported to SEIAA and work shall be completed before the start of mining.
6. Parking of vehicles shall not be made on public road.
7. The following measures are to be further implemented to reduce air pollution during transportation of mineral:
 - i. Roads shall be graded to mitigate the dust emission.
 - ii. Over filling of tippers and consequent spillage on the roads shall be avoided.
8. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010 issued by the MoEF, Govt. of India.
9. Extraction shall be limited to day time only.
10. No Stone extraction shall be carried out in the safety zone of any bridge and / or embankment.
11. No Stone extraction shall be carried out in the vicinity of natural / manmade archaeological sites.
12. No wildlife habitat will be disturbed along with aquatic Flora & Fauna of the water bodies in the area.
13. Green belt development shall be carried out in 20% of total extraction area either along road side considering CPCB guidelines with native tree species in the mining area.
14. User agency shall not make any fresh approach road.
15. Appropriate mitigation measures shall be taken to prevent any kind of pollution. It shall be ensured that there is no leakage of oil and grease from the vehicles used for transportation.
16. Special Measures shall be adopted to prevent the nearby settlement from the impacts of extraction activities.


 Member Secretary
 SEIAA, A. S. S. S.


17. Dispensary facilities for first-aid shall be provided at site.
18. Occupational health surveillance program of the workers should be undertaken periodically.
19. Conservation measures shall be taken for protection of Flora & Fauna in the core and buffer zone.
20. It shall be ensured that collection of mining materials does not disturb or change the underlying soil characteristic of river bed/basin, where mining is carried out.
21. It shall be ensured that mining does not in any way disturb the water quality and flow pattern of nearby water bodies/Streams/ Rivers.
22. Conservation measures shall be taken for protection of flora & fauna in the core and buffer zone.
23. The fauna nesting area shall not be disturbed.
24. A maximum depth of 2 m has been allowed for Stone extraction & nonexistence of mining area within a radius of 500 mts from the proposed location is also discussed.
25. This Environmental Clearance is applicable only subject to receipt of necessary permit by the project proponent from the Competent Authority as per AMMC Rule, 2013 and subsequent amendment.
26. Any solid waste generated shall be disposed of as per Solid Waste Management Rules 2016. Segregation of bio degradable and non-biodegradable wastes shall be done at site and disposed of as per Solid Waste Management Rules 2016.
27. Drills shall either be operated with dust extractors or equipped with water injection system (wet drilling) to suppress air borne dust during drilling.
28. Only controlled blasting shall be practiced with necessary protective measures. Blasting operation shall be carried out only during the day time. The blasting shall be performed with all necessary care for protection of public, workers and property from fly rock & vibration risks.
29. Delay detonator shall be used and reduce the weight explosive per delay by decreasing hole size along with depth with proper spacing of holes shall be maintained. Random blasting is not allowed.
30. Blasting shall be done by license holder only.
31. Blasting pattern stemming, charging per hole should be designed on the basis field trial to control flying rocks. Delay detonators & shock tube initiation system blasting shall be used so as to reduce vibration & dust.
32. Safety and security of all members of public shall be sole responsibility of permit holder. Necessary musk, helmet, safety shoes etc. shall be provided to all workers working in the mining.
33. Blasting materials are to be collected from the authorized dealer with permission from District-Authority. Necessary precautionary measures must be taken so that no leakage of explosive occurs during storage & transportation.
34. Blasting shall be done in such a manner to prevent formation of big size boulders and thereby to minimize need for secondary blasting.
35. Adequate sirens, signals, posting of guards at strategic point blasting.
36. Anti-vibration devices shall be provided to vibrating tools/equipment to be used by workers during mining vibration shall be maintained within safe limit.


 Member Secretary
 SEIAA, Assam
 etc.

37. The project proponent shall strive to adopt zero waste mining concepts by reducing the quantum of reject through technological innovation or finding the use of fines through perspective buyers.
38. Top soil from the mining area shall be scrapped. Stacked separately, preserved and utilized for the plantation work.
39. Over burden, waste rock and non-saleable materials generated during prospecting or mining operations shall be stored separately in properly formed dumps on grounds earmarked. Slope & height of such dumps shall be restricted adequately to prevent any slippage of material. Such dumps should be properly terraced, stabilized and secured at toe to prevent the escape material that may cause degradation of the surrounding land or silting of water courses.
40. Overburden or other rejects shall be backfilled into the worked out quarry so far as possible with a view to restore the land to its original use or desired alternative use.
41. Used oil/ waste oil if any, generated shall be sold to the registered recyclers.
42. Mining operation shall be restricted to above ground water table and it shall be ensured that it does not intersect ground water table.
43. The project proponent shall ensure that no natural water course gets obstructed due to mining operation.
44. This Environmental Clearance is applicable only subject to receipt of mining permit by the project proponent from the Competent Authority as per AMMC Rule, 2013.
45. The blasting operation shall not be permitted below the ground level.
46. The blasting schedule for mining shall be prepared with the consultation concerned DFO. There should be a time gap between each blasting. The project proponents are responsible for any damage cause due to blasting operation during mining and bear the expenditure for loss of life & property. The blasting operation shall be performed in presence of Forest official.
47. Considerable quantity of overburden in the form soil and waste rock will yield which should be dumped systematically for backfilling as mentioned in the mining closure plan.
48. The mining materials should not damage the village land and a drainage should be made along the mining area boundary.
49. Road safety measures to be adopted along the road passing through the mining site.
50. The Proponent shall have to furnish the FC certificate issued by the Ministry in GOI to the SEIAA, Assam before actual mining operation.

II. -General Conditions:

1. All necessary statutory clearance shall be obtained from competent authority in connection with mining operation and copies of the same shall be submitted to SEIAA, Assam.
2. Special measures shall be adopted to prevent nearby settlements from the impacts of mining activities, maintenance of roads through which transportation of minor mineral is to be undertaken shall be carried out regularly.
3. User agency shall comply with the provisions framed under Assam Minor Mineral concession Rule 2013.
4. The SEIAA Assam may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.


Member Secretary
SEIAA, Assam

5. Concealing the factual date or failure to comply with any of the conditions mentioned above may result in withdrawals of this clearance and attract action under the provisions of Environment Protection Act, 1986.
6. The SEIAA, Assam may revoke or suspend the order, if implementation of any of the above condition is not found satisfactory. SEIAA, Assam will monitor the operation area time to time and project component shall be extended full support for the same.
7. The above conditions will be enforced inter-alia under the provision of 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 & rules.
8. The Environmental Clearance is valid for *period of 5 (Five) years* only from the date of issue of this order.
9. Under Corporate Environment Responsibility (CER), appropriate budgetary provision shall be made as per MOEF&CC OM F. No. 22-65/2017-LA.III dated 01/05/2018 and 19/06/2018 commensurate with the total value of the work and to be spent for health improvement, education, drinking water facilities, and other socio-economic upliftment in and around the project area (radius of 10 KM from the project site) in consultation with a Committee having representatives from all sections of the population in the nearby villages and with information to the SEIAA on biannual basis.
10. The project proponent shall submit half yearly compliance reports in respect of the terms & conditions stipulated in this order to the SEIAA, Assam in soft copy (CD) & hard copy on 1st June and 1st Dec each year. The Compliance Report should also include the work done under CER as in 9 above and also under Green Belt development in the project area (to be supported with photographs and other documentary evidences in both cases).
11. The Divisional Forest Officer, North Kamrup Forest Division, Rangia Assam shall realize the Royalty as per existing rate and he is requested to will ensure strict surveillance to guard against occurrences of irregularities during the mining period. He will also ensure that mining be allowed strictly within the limit of the approved site and not beyond the approved location. Compliance on the laid down terms and condition by the proponent shall have to ensure by the concerned DFO, N K Forest Division.
12. The proponent have to strictly follow all the terms and condition laid down in the Mining Plan approved by the DGM, Assam.

[Signature]
 Member Secretary
 SEIAA, Assam

Bamunimaidam, Guwahati-21.
[Signature]

Memo No SI IAA.1173 2020 LC 1767 -A

Dated: 25/7/2022

Copy to:

1. The Joint Secretary, Ministry of Environment, Forest and Climate Change, Government of India, MOEF&CC, Indira Paryavaran Bhawan, Jorbagh Rd, New Delhi-110003.
2. The Secretary to the Govt. of Assam, Environment & Forest Department, Dispur, Guwahati-6 Cum Member Secretary, SEIAA, Assam for favour of kind information.
3. The P.C.C.F, HoFF, Govt. of Assam, Panjabari, Guwahati-37 for favour of kind information.
4. The Divisional Forest Officer, North Kamrup Forest Division, Rangia, Dist. Kamrup, Assam for information & necessary action to ensure that all Specific Conditions & General Condition are complied with.
5. The Integrated Regional Office, Ministry of Environment, Forest & Climate Change, 4th Floor, Housefed Building, G.S. Road, Rukminigaon, Guwahati-22 for information.
6. Office Copy.

Handwritten signature
25.07.2022
Member Secretary
SEIAA, Assam
Bamunimaldam, Guwahati-21

Signature Not Verified

Digitally signed by Shri Indraswar Kallia

Member Secretary

Date: 7/29/2022 4:43:42 PM

Page 7 of 7