



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: March 14, 2020

To,
BALASAHEB GANPAT SHITOLE & PARUBAI BABURAO SHINDE
at Survey No 18

Subject: Environment Clearance for Stone Quarry (Minor Mineral), Gut No. 18, Village - Dulgaongada, Taluka - Daund, District - Pune

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 176th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 190th meetings.


2. It is noted that the proposal is considered by SEAC-I under screening category Category B2, Schedule 1(a) as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Stone Quarry at Survey No. 18, Village - Dulgaongada, Taluka - Daund, District - Pune
2.Type of institution	Private
3.Name of Project Proponent	BALASAHEB GANPAT SHITOLE & PARUBAI BABURAO SHINDE
4.Name of Consultant	Srushti Seva Private Limited, Nagpur
5.Type of project	Mining Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Survey No 18
9.Taluka	Daund
10.Village	Dulgaongada
Correspondence Name:	Balasaheb Ganpat Shitole
Room Number:	-
Floor:	-
Building Name:	-
Road/Street Name:	-
Locality:	At Post - Khopodi, Taluka - Daund, District - Pune
City:	-
11.Whether in Corporation / Municipal / other area	Other area
12.IOD/IOA/Concession/Plan Approval Number	Not applicable IOD/IOA/Concession/Plan Approval Number: Not applicable Approved Built-up Area:

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13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	2.0 Ha
16.Deductions	-
17.Net Plot area	2.0 Ha
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable
	Non FSI area (sq. m.): Not applicable
	Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Not applicable
	Approved Non FSI area (sq. m.): Not applicable
	Date of Approval: 28-03-2016
19.Total ground coverage (m2)	Not applicable
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	5200000



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22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Stone (Minor Mineral)	-	4100	4100

23. Total Water Requirement

Dry season:	Source of water	Purchased water & Pit Water
	Fresh water (CMD):	5 .0
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5 .0
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Wet season:	Source of water	Purchased water & Pit Water
	Fresh water (CMD):	5 .0
	Recycled water - Flushing (CMD):	Not applicable
	Recycled water - Gardening (CMD):	Not applicable
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	5 .0
	Fire fighting - Underground water tank(CMD):	Not applicable
	Fire fighting - Overhead water tank(CMD):	Not applicable
	Excess treated water	Not applicable
Details of Swimming pool (If any)	Not applicable	

24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Nil	1.0	1.0	Nil	0.2	0.2	Nil	0.8	0.8
Gardening	Nil	4.0	4.0	Nil	4.0	4.0	Nil	Nil	Nil
Fresh water requirement	Nil	5.0	5.0	Nil	4.2	4.2	Nil	0.8	0.8

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	10 m
	Size and no of RWH tank(s) and Quantity:	Pit
	Location of the RWH tank(s):	Within mining lease
	Quantity of recharge pits:	-
	Size of recharge pits :	-
	Budgetary allocation (Capital cost) :	-
	Budgetary allocation (O & M cost) :	-
	Details of UGT tanks if any :	Not Applicable

26.Storm water drainage	Natural water drainage pattern:	Not Applicable. However, the rain water will be channelized to the natural water courses like gullies and depression through appropriate drainage system.
	Quantity of storm water:	-
	Size of SWD:	-

27.Sewage and Waste water	Sewage generation in KLD:	0.2 KLD
	STP technology:	Mobile STP
	Capacity of STP (CMD):	1 No. 2 m3/day
	Location & area of the STP:	Within Mining Lease area
	Budgetary allocation (Capital cost):	Rs. 2 lakhs
	Budgetary allocation (O & M cost):	Rs. 30000/-

28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not Applicable
	Disposal of the construction waste debris:	Not Applicable
Waste generation in the operation Phase:	Dry waste:	4345 m3 during first five years
	Wet waste:	-
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Soil generated during mining will be used for plantation.
	Wet waste:	Not Applicable
	Hazardous waste:	Not Applicable
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	Within mining lease area
	Area for the storage of waste & other material:	Temp. storage
	Area for machinery:	Not Applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Not Applicable
	O & M cost:	Not Applicable

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29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Amount of effluent generation (CMD):		Not Applicable			
Capacity of the ETP:		Not Applicable			
Amount of treated effluent recycled :		Not Applicable			
Amount of water send to the CETP:		Not Applicable			
Membership of CETP (if require):		Not Applicable			
Note on ETP technology to be used		Not Applicable			
Disposal of the ETP sludge		Not Applicable			



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30. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

31. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

32. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not Applicable	Not Applicable	Not Applicable	Not Applicable

33. Source of Fuel: Not Applicable

34. Mode of Transportation of fuel to site: Not Applicable

35. Energy

Power requirement:	Source of power supply :	Maharashtra State Power Distribution Company Limited
	During Construction Phase: (Demand Load)	Not Applicable
	DG set as Power back-up during construction phase	-
	During Operation phase (Connected load):	500 KV
	During Operation phase (Demand load):	500 KV
	Transformer:	500 KV
	DG set as Power back-up during operation phase:	-
	Fuel used:	Not Applicable
	Details of high tension line passing through the plot if any:	Not Applicable

Energy saving by non-conventional method:

Solar Energy

36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar Lamp	10

37.Details of pollution control Systems		
Source	Existing pollution control system	Proposed to be installed
Air Pollution	Not Applicable	Dust suppression using water tanker (Requirement - 3 KLD for Dust suppression and 1 KLD for Plantation) @ Rs 500/day for 4 KLD tanker for 300 days (Service through hired agency)
Water Pollution	Not Applicable	Garland drain (included in Mining cost), Drinking water arrangement for the workers, Toilet for workers, Portable STP
Noise Pollution	Not Applicable	Preventive Maintenance of all heavy machineries,
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	200000
	O & M cost:	-

38.Environmental Management plan Budgetary Allocation


a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Not Applicable	Not Applicable	Not Applicable

b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Mitigation	Dust suppression using water tanker (Requirement - 3 KLD for Dust suppression and 1 KLD for Plantation) @ Rs 500/day for 4 KLD tanker for 300 days (Service through hired agency)	0.0	1.50
2	Water Pollution/ Mitigation	Garland drain (included in Mining cost), Drinking water arrangement for the workers, Toilet for workers, Portable STP	3.0	0.50
3	Noise Pollution	Preventive Maintenance of all heavy machineries,	1.0	0.50
4	Plantation	Local and fruit trees	6.0	3.75
5	Safety	Barbed wire fencing around mining lease	4.50	0.50
6	Occupational health and safety	Periodic health check ups of workers and safety equipment	0.50	0.25
7	Environmental Monitoring	Periodical monitoring of air, water and noise.	0.0	1.0

39.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)

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Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
40.Any Other Information							
No Information Available							



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	CRZ/ RRZ clearance obtain, if any:	Not Applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not Applicable
	Category as per schedule of EIA Notification sheet	Category B2, Schedule 1(a)
	Court cases pending if any	No
	Other Relevant Informations	-
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 190th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	DMO to demarcate the lease area and 7.5 meter wide safety zone on the periphery of the proposed area before taking any effective steps on site.
II	PP to develop 7.5 meter wide green belt along the periphery in the safety zone, the mined pits will be created as water reservoirs with all necessary safety provisions.
III	PP to appoint qualified fore man as a Mine Manager approved by Director General of Mines to ensure safety of the staff/labors appointed at mine site.
IV	PP to prepare adequate capacity approach roads to the proposed mine area so as to ensure safe plying of the heavy vehicles engaged on mine site for transport of mined material and to avoid any unforeseen accident. PP to plant trees along the road.
V	PP to provide movable toilets/ bio toilets to the workers working in the area and the sewage generated shall be properly collected and treated so as to conform to the standards prescribed by MoEF&CC and CPCB.
VI	PP to provide First Aid facility at the proposed mining site.
VII	PP proposes Jackhammer drilling in proposed quarry. The jackhammer drills produces more noise and do not have inbuilt water injection system. PP to ensure protective measures are provided to reduce noise exposure and dust emission due to drilling and blasting activity.
VIII	PP to implement mine closure plan as approved by the competent Authority. PP to provide dry wall of around one meter along with barbed wire fencing to the mining lease area to ensure safety of animals and humans.
IX	PP along with revenue and forest department shall conduct a joint tree survey and if any trees needs to be cut PP shall ensure compensatory afforestation is to be done as per prevailing rules with the help of Forest Department. PP to transplant the trees to be cut within the non-mine area of the proposed plot.
X	The mining lease holder shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.
XI	PP to obtain all necessary NOC's/Permissions from the competent Authority before commencing any work on proposed site.
XII	PP to ensure that no mining shall be done below the depth as approved in the mining plan.
XIII	PP to ensure that, the quarrying is proposed above the level of aquifer to avoid the ground water contamination/degradation of water quality of aquifer. PP to take adequate measures/precautions to avoid contamination /degradation of ground water.
XIV	PP to ensure no stream is diverted due to proposed quarrying activity.
XV	PP to ensure that mining/ loading activity shall be restricted to day hours' time only. No mining activity shall be carried out after sunset and before sun rise.

XVI	PP to provide adequate channels to guide the rain water to reach the mined pit and to avoid any unforeseen incident.
XVII	PP to adhere to the provisions stipulated Maharashtra Minor Mineral Extraction (Development and Regulation) Rules, 2013, guidelines issued by MoEF&CC and any other legal requirements as applicable to the proposed activity.
XVIII	PP to ensure strict compliance of all conditions stipulated in the Environmental Clearance. The District Collector should strictly monitor the compliance of the conditions stipulated in the Environment Clearance letter.
XIX	PP to ensure that there is no damage to any fauna and its nesting close to the proposed mining area.
XX	PP to ensure that, the overburden be stored on site and shall be used for refilling of mine pit.
XXI	PP to ensure that adequate measures like maintenance of roads, sprinkling of water and plantation is carried out to reduce the dust particulate matter pollution.
XXII	PP to ensure that parking shall not be made on Public roads. Parking shall be on pre decided place only.
XXIII	The transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
XXIV	PP to implement CER plan in consultation with the District Authority as per OM issued by MoEF&CC on 01.05.2018.
XXV	PP to submit undertaking for not having any Eco sensitive area within 5 km of the proposed mine area.
XXVI	PP to ensure additional air quality monitoring station around the periphery of village.
XXVII	No hill cutting should be allowed during the quarrying.
XXVIII	Blasting, crushing and transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution.
XXIX	PP shall employ dust suppression measures by use of water sprinklers, foggers etc.
XXX	The PP shall undertake 2 rows of tree plantation along the lease boundary. Dust absorbing trees shall be planted.

General Conditions:



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I	<p>1. The validity period of the EC will be for 7 years as per MoEF&CC Notification dated 29th April, 2015 but limited to period of lease. 2. No hill cutting should be allowed during the quarrying.No aquifers should be disturbed either by blasting or by quarrying. 3. Blasting crushing & transportation of crushed material should be carried out under covered conditions to avoid any kind of dust pollution. 4. PP shall employ dust suppression measures by use of water sprinklers, foggers etc. 5. The PP shall undertake 2 rows of tree plantation along the lease boundary. Dust absorbing trees shall be planted. 6. Quarrying allowed only in the recharge zone of hills, not in run off or storage zone. For this purpose, GSDA should be involved to carry out intensive geophysical survey to identify such recharge zone where quarrying can be allowed. 7. The mining plan shall be approved first before initiating any mining operations. 8. Discharge of sewage from quarry sites should be strictly controlled 9. The quarries to maintain benches of 60 slope in the cut, 6 m depth in cut and 6 m for the bench 10. No dumping of material shall be allowed in the water resources of Nallas. 11. No quarrying should be allowed in the run-off zone of hilly areas. 12. After mining extraction is completed, the existing pits on site must be filled up and the closure must be supervised and certified by the District Mining Officer. 13. No quarry shall be allowed within safe distance from any habitation or human activity. 14. District Collector will take bank guarantee of Rs. 2,00,000/- OR upto 2% of the annual royalty, whichever is higher, for the given lease from the lease holder to ensure the compliance of the conditions stipulated. In case of violation of stipulated conditions by project proponent bank guarantee so obtained shall be forfeited and legal action under the law should be initiated against such project proponent. 15. It shall be ensured that there is no fauna dependent on the areas close to mining for its nesting. 16. To prevent dust / particulate matter pollution, the lease holder shall take up tree plantation in an area 10 m from the boundary of the leased area and also on either side of the road leading to the quarry from the already surfaced road. 17. District Collector to ensure that the provisions stipulated in Maharashtra Minor Minerals Extraction (development and Regulation) Rules shall be strictly adhered to. 18. The configuration of benches should be: 60 degrees slope in the cut, 6 mt depth for cut and 6 mt width for the bench. PP shall ensure that no quarrying is carried out in forest or zudpi jungle.No water sources shall be affected due to quarrying activity. All labor engaged in quarrying will be provided with protective gears like mask, helmets, boots etc. 19. District Collector to ensure that distance between one lease area and another lease area or clusters of lease area is more than 500 m. 20. Project Proponent to ensure that vehicles transporting stone should not be overloaded beyond stated capacity. also to ensure that there is no violation of the Hon'ble NGT, Hon'ble Supreme Court order given in related matters. 21. PP to prepare Mine closure plan and get it approved by the competent authority,PP will be held responsible personally for non-compliance of the conditions stipulated in the Environmental clearance and shall be liable for legal action under Environment (Protection) Act of 1986. 22. Transport of stone should be by vehicles which are properly covered with Tarpaulin and it should not be overloaded. 23. The lease holder shall undertake adequate safeguard measures during extraction of material and ensure that due to this activity, the hydro-geological regime of the surrounding area is not affected. The depth of quarrying should be above the levels of aquifers to avoid the contamination/ degradation of water quality of aquifers. 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. District Collector/mining officer shall ensure this. 24. Effective safeguards, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Water sprinkling shall also 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 Environment Department. 25. This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.</p>
II	<p>The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.</p>
III	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.</p>

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Shri. Anil Diggikar (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. MUNICIPAL COMMISSIONER PUNE
10. MUNICIPAL COMMISSIONER SATARA
11. REGIONAL OFFICE MPCB PUNE
12. REGIONAL OFFICE MIDC PUNE
13. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
14. COLLECTOR OFFICE PUNE
15. COLLECTOR OFFICE SATARA
16. COLLECTOR OFFICE SOLAPUR