

Public Hearing of 4 sand spot Dhule District, Maharashtra.

EXECUTIVE SUMMARY

1. INTRODUCTION

- ❖ Environmental Clearance is sought for 4 Sand spots of Sakri, Shirpur and Dhule Talukas, Dhule District, Maharashtra.
 - ❖ M/s. Integrated Precision Systems & Services Pvt. Ltd., was awarded work to obtain Environmental Clearances for Sand Spots of Dhule by Collector Office, Dhule.
 - ❖ Mining plan Approval by DGM Nagpur is completed.
 - ❖ Application in Form-1M, PFR, EMP, RA, DSR along with Approved Mining Plans for Sand Spots will be submitted along with Public Hearing Proceedings for Environmental Clearance.

2. LOCATION MAP



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3. List of Proposed Sand Mines:

S. No.	Taluka	Name Of Village /Sand Ghat	Name Of The River	Gat. No. / Survey No. / Khasra No. Etc.	Area of the Mine (In Ha)	Mineable Area(In Ha)	Non-Mineable Area(In Ha)	Length	Width	Depth	Total Sand Availability (In Brass)	Quantity Permitted for mining of sand in Brass (75%)	Quantity Permitted for Non-mining of sand in Brass (25%)
1	Sakri	Datarti	Panzara	1, 2, 16 and 19	1.6	1.2	0.4	400	40	1.6	2827	2120	707
2	Shirpur	Upparpind - 2	Tapi	119, 108,109,107,106 and 124	4	3	1	500	80	4	21201	15901	5300
3	Shirpur	Londhre	Tapi	2,3,282,283,285	3	2.25	0.75	300	100	3	10601	7951	2650
4	Dhule	Nimgul	Bhori	276, 277, 269, 285, 278, 286, 627	2.02	1.515	0.505	270	75	2.02	3578	2863	715

4. MINING METHODOLOGY:

- a. **Method of Mining:** Opencast manual method without drilling & Blasting. Only manual labor with hand tools such as spade, Ghamela, will be used. Excavation of sand from dry riverbed only.
- b. **Machinery / Equipment's required:** Spades, Ghamela, Tractor with trolley.
- c. **Transportation:** By tractor trolley from sand spot to stock yard & to consumers.
- d. **Reclamation:** Mined out area will be replenished automatically after monsoon. Plantation will be carried out along river bank and along transport road.

5. ENVIRONMENTAL MANAGEMENT PLAN

a. Air Pollution Control Measures

- Periodic water sprinkling on kutcha road used for sand transport.
- Transport of sand by tractor trolleys trucks covered with tarpaulin.
- Spillage of sand during transport shall be prevented by proper sealing of gaps.
- Plantation will be carried out along river banks and on free spaces near sand spot.

b. Noise Control Measures

- Mining and sand transport will be carried out during day time only.
- Only noise due to sand transport is expected
- Periodic maintenance of sand transportation vehicles will be ensured to minimize noise
- Speed of sand transport vehicles will be regulated.

c. Water Pollution Control Measures

- Sand mining will be carried out in dry river bed only.
- Depth of the mine pit will be maintained above river water level.
- River streams will not be diverted to form inactive channels.

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- Washing of vehicles in the river will be prohibited.
- No effluent will be generated from mining activities.
- Provision of mobile toilets for workers.
- Mining will be avoided during monsoon and floods This will allow the sand deposit to replenish.

d. Land Environment

- Sand mining will create temporary pits in the dry river bed, which will be replenished during monsoon.
- Safety distance of 3 meter or 1/10 th of the width of the river whichever is more will be left from both the bank of the river (as per “Sustainable sand mining guidelines”).
- Waste material like polythene bag, jute bag, etc will not be allowed to remain/ spill in river bed.
- Mining will not exceed beyond the allowed extraction capacity.
- Plantation will be developed along river bank and nearby free spaces.

6. GREENBELT DEVELOPMENT PLAN

Location of greenbelt	On the banks of both sides of the lease boundary & Haul Road outside riverbed
Spacing of plants	4 m grid interval
Species selected	Native species

Tree species recommended for Plantation

Botanical name	Local name	Importance
<i>Azadirachta indica</i>	Neem	Neem oil & neem products
<i>Tectona grandis</i>	Teek	Antibacterial, Antifungal, Antiulcer
<i>Bambusa vulgaris</i>	Bamboo	Anthelmintic Anti-inflammatory, Astringent Properties

7. OCCUPATIONAL HEALTH SAFETY MANAGEMENT

- Mine operators will be provided with personal protective equipment's.
- safety helmets and footwear, in addition to ear, eye, and hand protection devices.
- Dust masks will be provided for workers.
- Potable drinking water shelter for mine workers will be provided.
- First aid kit will be provided at the mine site.

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8. CONCLUSION

- Applied 4 Sand spots of Sakri, Shirpur and Dhule Talukas, Dhule District, Maharashtra falls under B2 category as per MoEFCC guidelines.
- Quarries are not likely to cause significant impact on the environment due to small scale of mining and will prove beneficial to the nearby community.
- The proposed project would provide indirect employment opportunities to local residents.
- The proposed project will also make a positive contribution to social infrastructure and overall development of the region.
- All environmental issues like air, water, noise, soil, solid waste management etc will be dealt as per the MoEF&CC guidelines.