

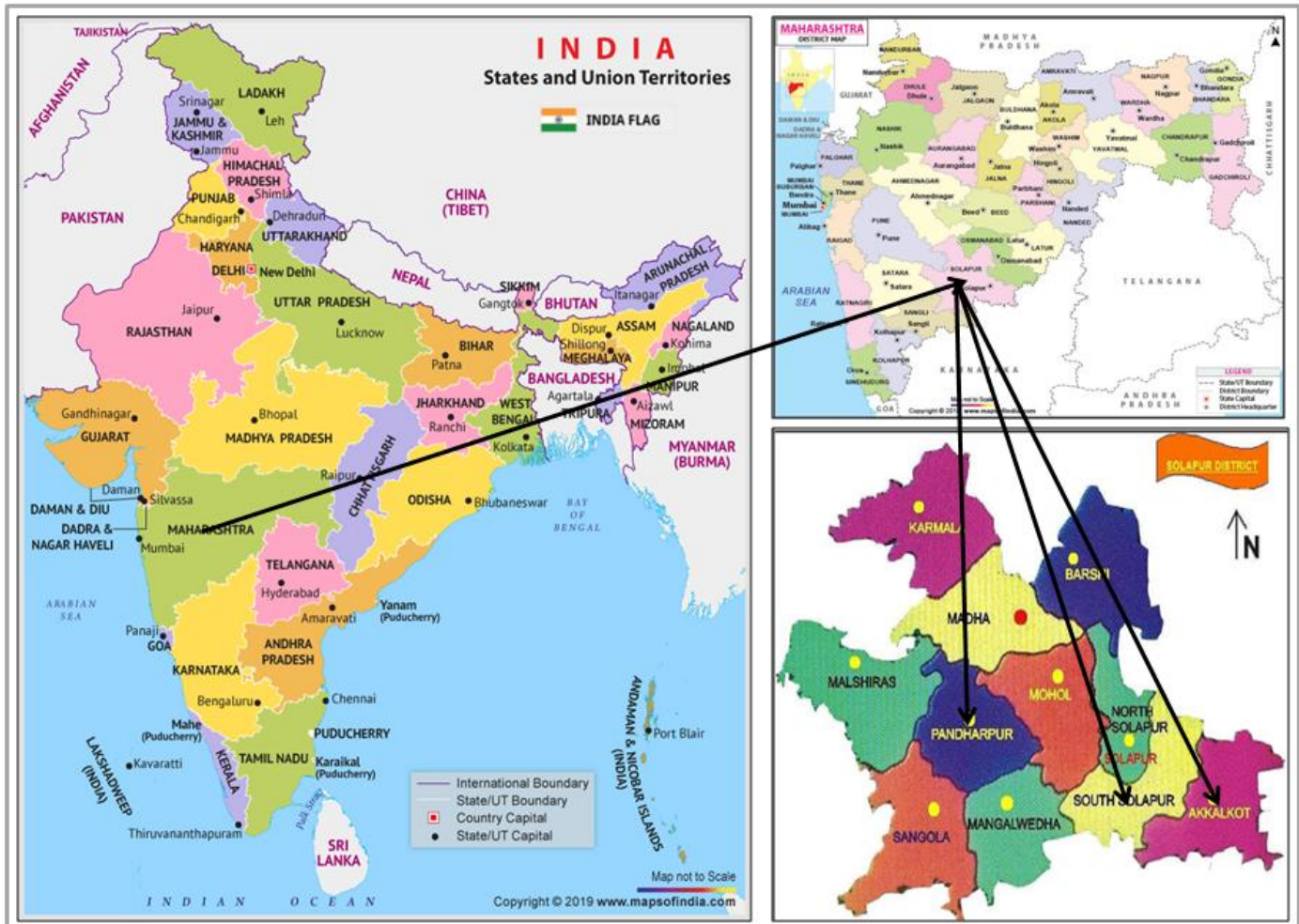
Public Hearing for 3 Sand locations, Solapur District, Maharashtra

EXECUTIVE SUMMARY

1. Introduction

- ❖ Environmental Clearance is sought for 3 Sand Spots located in Akkalkot, South Solapur and Pandharpur, Talukas in Solapur District.
- ❖ As Per Government of Maharashtra **Letter No: Sankirn- 2019/P.K.01/Ta.K.3** dated Dec 3, 2019, Public Hearing must be conducted for mines less than 5Hectares.
- ❖ M/s.Equinox Environments (I) Pvt. Ltd. was awarded work to obtain Environmental Clearances for Sand Spots of Solapur by Collector Office, Solapur. With **WO.No. Kra.M.Sha/Karya.2/Gou.Kha/RR-2266/2020dated23/10/2020**.
- ❖ Mining plans for the Sand Spots have been approved by DGM, Nagpur.
- ❖ Application in Form-1M, PFR, EMP, RA, DSR along with the 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 Sand Spots

Sand Ghat selected for 7 Sand ghat spot Auction 2021 Solapur district										
Sr. No.	Name of Sand Ghat	Name of Taluka	Name of River	Adjacent Land Gat No.	Total area in Hectare	Sand ghat Measurement in meter			Mineable Sand in brass	Upset Price Rs.
						Length	Width	Depth		
1	Bhandarkavathe	South Solapur	Bhima	829, 791 to 797	4.20	1400	30	1	14841	61144920
2	Chale	Pandharpur	Bhima	399, 401/1, 401/1/2/1, 401/2/2, 402,410, 413, 414/2B, 414/1	4.50	900	50	1	15901	64964160
3	Khanapur	Akkalkot	Bhima	225 to 234, 235 to 240, 243, 259	4.50	750	60	1	15901	111307000
Total					13.20				46643	449883400

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4. Mining Methodology

1. Method of Mining: Opencast manual method without drilling & blasting. Only manual labor with hand tools such as spade, ghamelas will be used. Excavation of sand is done from dry riverbed only.

The following process is followed for the estimation of sand in sand ghat:

- ❖ The demarcation and benchmarking of the sand ghat is done as per 10m x 10m interval.
 - ❖ Auger driller is used to find out the depth of sand in each grid.
 - ❖ Auger driller is used to create the holes in sand ghat using a 10mx10m grid pattern.
 - ❖ The depth of holes is measured by using measuring tape.
 - ❖ After taking all the readings the average depth of sand ghat of the river is calculated in meters.
2. Machinery / Equipment required: Spades, Ghamela, Tractor with trolley.
 3. Transportation: By tractor trolley from sand spot to stockyard & to consumers.
 4. Reclamation: Mined out area will be replenished automatically after the monsoon. Plantation will be carried out along the riverbank and along the transport road.

5. Environmental Management Plan

1. Air Pollution Control Measures

- ❖ Periodic water sprinkling on the 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 done along riverbanks and on free spaces near the sand spots.

2. Noise Control Measures

- ❖ Mining and sand transport will be carried out during the day time only.
- ❖ Only noise due to sand transport is expected, periodic maintenance of sand transportation vehicles will be ensured to minimize noise.
- ❖ The speed of sand transport vehicles will be regulated.

3. Water Pollution Control Measures

- ❖ Sand mining will be carried out in dry river bed only.
- ❖ The depth of the mine pit will be maintained above the river water level.
- ❖ River streams will not be diverted to form in active channels.
- ❖ Washing of vehicles in the river will be prohibited.

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- ❖ No effluent will be generated from mining activities.
- ❖ Provision of mobile toilets for workers.
- ❖ Mining will be avoided during monsoon and floods which will allow the sand deposit to replenish.

4. Land Environment

- ❖ Sand mining will create temporary pits in the dry riverbed, which will be replenished during monsoon.
- ❖ Waste material like polythene bags, jute bags, etc. will not be allowed to remain/spill in the river bed.
- ❖ Mining will not exceed the allowed extraction capacity.
- ❖ Plantation will be developed along the riverbank and nearby free spaces.

5. Green Belt Development Plan

Location of greenbelt	On the banks of both sides of the lease boundary & Haul Road outside riverbed
No. of plants to be planted	500 Plants per hectare
Spacing of plants	2 m grid interval
Species selected	Native species

Tree species recommended for Plantation

Botanical name	Local name	Importance
Azadirachta Indica	Neem	Neem oil & neem products
Tectona Grandis	Teak	Antibacterial, Antifungal, Antiulcer
Ficus Religiosa	Peepal	Medicinal use, Fruits & figs
Bambusa Vulgaris	Bamboo	Anthelmintic Anti-inflammatory, Astringent Properties
Madhuca Longifolia	Mahua	Acts as a Stimulant & cough relief

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6. Occupational Health Safety Management

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

7. Conclusion

- ❖ Applied 3 Sand Spots located in Akkalkot, South Solapur and Pandharpur Talukas in Solapur District, Maharashtra having lease area of less than 5Ha, fall under B2 category as per MoEF&CC guidelines.
- ❖ Quarries are not likely to cause a significant impact on the environment due to the 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 the social infrastructure and overall development of the region.
- ❖ All environmental issues like air, water, noise, soil, solid waste management, etc. will be dealt with as per the MoEF&CC guidelines.