

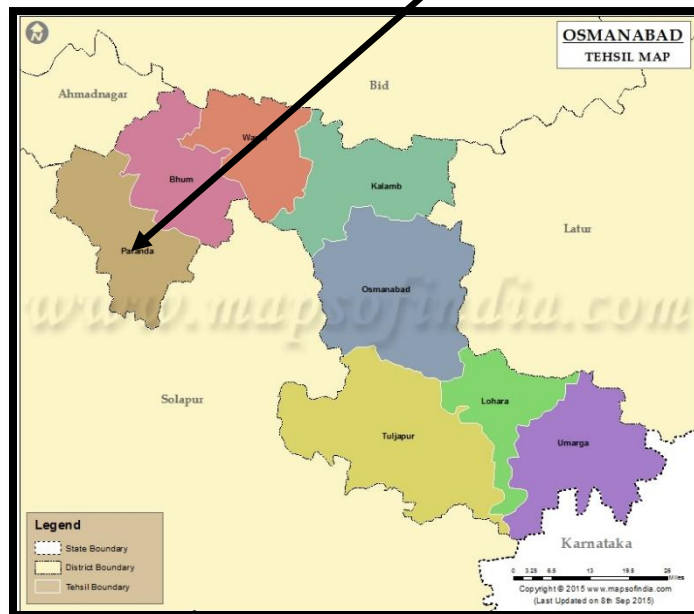
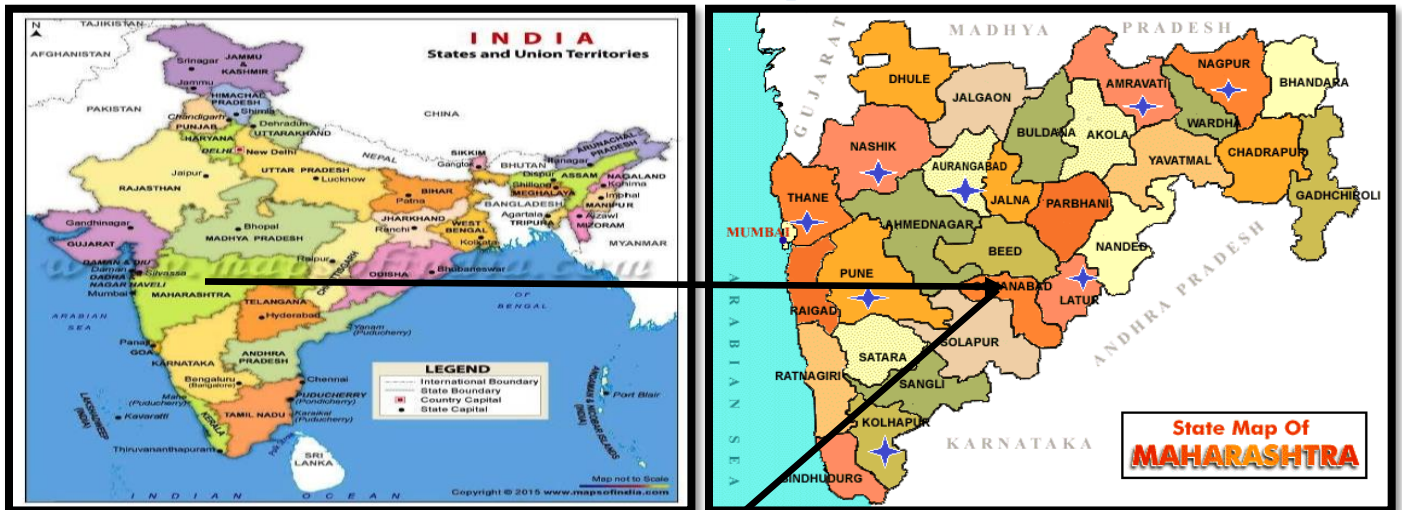
Public Hearing for 11 District Level Sand Spots, Osmanabad District,

EXECUTIVE SUMMARY

Introduction

- ❖ Environmental Clearance is sought for 11 Sand Spots located in Paranda Taluka in Osmanabad 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 5 Hectares.
- ❖ M/s. District Mining Office, Osmanabad , Maharashtra (Govt. of Maharashtra)
- ❖ 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.

Location Map



List of Sand Spots

Sr. No.	Taluka	Name of Sand ghat	Length (mtr)	Width (mtr)	Area in Ha.	Depth	Brass
1.	Paranda	Shirala	500	30	1.50	1.50	7950
2.	Paranda	Lohara	490	28	1.37	1.00	4848
3.	Paranda	Wagegavhan	645	28	1.80	1.00	6381
4.	Paranda	Wagegavhan-2	500	22	1.10	0.70	2720
5.	Paranda	Kapilapuri	618	28	1.73	0.50	3057
6.	Paranda	Kapilapuri-2	516	24	1.23	0.50	2187
7.	Paranda	Awarpimpri	834	12	1.00	0.60	2121
8.	Paranda	karanja	442	25	1.10	0.50	1952
9.	Paranda	Karanja-2	470	22	1.03	0.70	2557
10.	Paranda	Pithapuri	560	20	1.12	1.00	3957
11.	Paranda	Bhotra	540	30	1.62	0.50	2862

1. Mining Methodology

2. **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 dryriverbed 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.
3. Machinery / Equipment required: Spades, Ghamelas, Tractor with trolley.
 4. Transportation: By tractor trolley from sand spot to stockyard & to consumers.
 5. Reclamation: Mined out area will be replenished automatically after the monsoon. Plantation will be carried out along the riverbank and along the transport road.

6. Environmental Management Plan

1. Air Pollution Control Measures

- ❖ Periodic water sprinkling on the kutchra 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 daytime 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 riverbed only.
- ❖ The depth of the mine pit will be maintained above the river water level.
- ❖ River streams will not be diverted to form inactive channels.
- ❖ 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 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.
- ❖ Safety distance of 3 meters or 1/10th of the width of the river, whichever is more will be left from both sides of the bank of the river (as per “Sustainable sand mining guidelines”).
- ❖ Waste material like polythene bags, jute bags, etc. will not be allowed to remain/spill in the riverbed.
- ❖ 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	300-763 Plants per hectare
Spacing of plants	3 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 11 Sand Spots located in Osmanabad District, Paranda Taluka Maharashtra having lease area of less than 5 Ha, 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.