

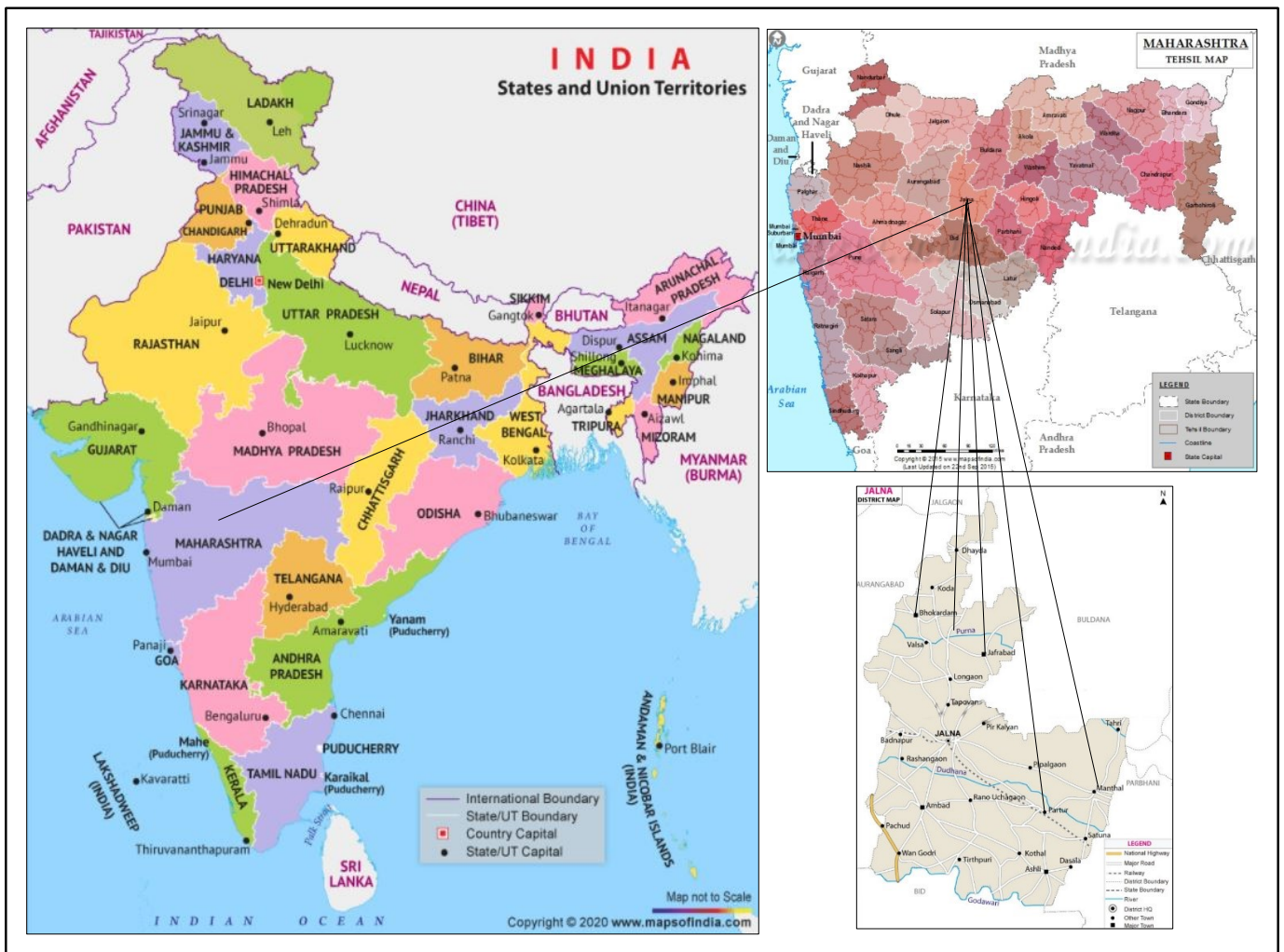
Public Hearing for Twenty District Level Sand Spots, Jalna District, Maharashtra

EXECUTIVE SUMMARY

1. Introduction

- ❖ Environmental Clearance is sought for 20 Sand Spots located in Mantha, Partur, Ghansavangi, Bhokardan, Jafrabad Talukas in Jalna 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. Integrated Precision Systems & Services Pvt. Ltd. was awarded work to obtain Environmental Clearances for Sand Spots of Jalna by Collector Office, Jalna. with **WO. No. 2020/Mashaka/Gaukh/Kavi 105** dated 03/02/2020.
- ❖ Mining plans for the Sand Spots have been approved by DGM, Aurangabad.
- ❖ 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

सन 2019-2020 या वर्षात जालना जिल्ह्यात करावयाच्या वाळू लिलावाकरीता जिल्हास्तरीय वाळूघाटांचा तपशिल												
अ. क्र	वाळूघाटाचे नांव	तालुका	नदीचे नाव	वर्ष 2019-2020 चा तपशिल					उत्खननासाठी उपलब्ध अंदाजित वाळू साठा	सन 2018-19 मध्ये प्राप्त झालेली प्रति ब्रास किंमत	सन 2019-20 करीता 6 टक्के परिगणित करण्यांत आलेली प्रति ब्रास किंमत	वाळूघाटाची हातची रक्कम
				गट क्रमांक	क्षेत्र (हेक्टर)	क्षेत्रफळ मीटरमध्ये						
						लांबी	रुंदी	खोली				
१	भुवन-शिरपुर	मंठा	पुर्णा	भुवन ग.क्र.01, शिरपुर 390, 374, 373, 370, 369	1.75	350	50	1.00	6184	2045	2168	13406912
२	देवठाणा उस्वद 2	मंठा	पुर्णा	देवठाणा (उस्वद) ग.क्र. 253, 252, 251, 218,217, 216, 215, 214, 213, 212, 210 उस्वद ग.क्र.404,40 5,407, 1,2,3,4	3.132	522	60	0.50	5533	2045	2168	11995544
३	देवठाणा उस्वद 3	मंठा	पुर्णा	देवठाणा (उस्वद) ग.क्र.162,15 3,152 उस्वद ग.क्र.16,28,2	3	500	60	0.80	8481	2045	2168	18386808

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				9,30,31,42,43,46								
४	डोल्हारा	परतूर	दुधना	72,61,60,59,55,54,53,471,470,469,464,463,452	0.3	250	12	0.30	318	2045	2168	689424
५	बाबई	परतूर	दुधना	54,166,165,164,152,151,150,147,148,149	1.5	300	50	1.00	5300	2045	2168	11490400
६	नांद्रा	परतूर	दुधना	128,127,126	1.35	300	45	0.50	2385	2045	2168	5170680
७	ब्रम्हवडगाव	परतूर	दुधना	305,306,307,308	1.84	460	40	0.80	5201	2045	2168	11275768
८	गोळेगाव	परतूर	गोदावरी	301,302	1.1	200	55	1.00	3887	2045	2168	8427016
९	चांगतपुरी	परतूर	गोदावरी	184,185,231,235,236,237,240,241	6.75	750	90	1.00	23852	2045	2168	51711136
१०	सावरगाव बु.	परतूर	गोदावरी	114,115	1.2	200	60	1.00	4240	2045	2168	9192320
११	आव्हाणा	भोकरदन	केळणा	913,927,37,36	0.405	162	25	0.50	715	2045	2168	1550120

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१२	जवखेडा ठोबरे	भोकरदन	पुर्णा	312, 313, 314, 326, 327	2.34	585	40.00	0.50	4134	2045	2168	8962512
१३	नळणी बु.	भोकरदन	पुर्णा	387	0.6	200	30	0.60	1272	2045	2168	2757696
१४	खडकी	भोकरदन	गिरीजा	132	0.3	200	15	0.50	530	2045	2168	1149040
१५	पिंपळखुटा	जाफ्राबाद	धामणा	86	0.2	200	10	1.00	706	2045	2168	1530608
१६	देऊळगाव उगले	जाफ्राबाद	धामणा	123, 160, 162, 163	0.225	150	15	0.80	636	2045	2168	1378848
१७	जवखेडा ठेंग	जाफ्राबाद	केळणा	16, 50, 51, 89, 15	0.9	360	25	1.00	3864	2898	966	6282864
१८	भादली	घनसावंगी	गोदावरी	153, 154, 159, 160 गावालगत 27, 28	1.7325	231	75	1.00	6121	2045	2168	13270328
१९	जोगलादेवी	घनसावंगी	गोदावरी	201, 202, 206	2.925	390	75	1.00	10335	2045	2168	22406280
२०	रांजणी	घनसावंगी	दुधना	48, 49	0.456	160	28.5	0.80	1289	2045	2168	2794552

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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 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.
- ❖ 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.

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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.
- ❖ 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	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

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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 20 Sand Spots located in Mantha, Partur, Ghansavangi, Bhokardan, Jafrabad Talukas in Jalna District, 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.