

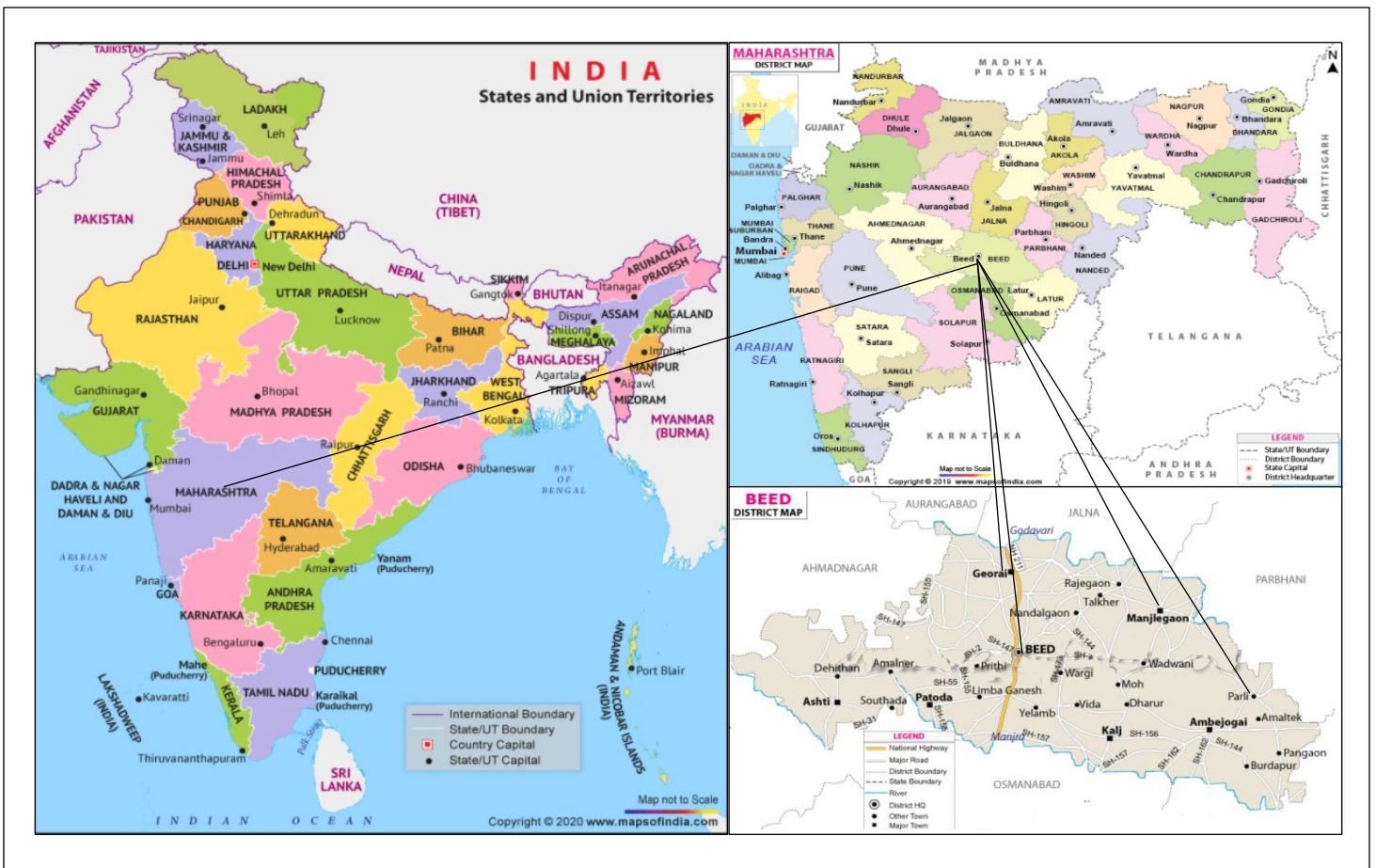
Public Hearing for Thirty-Two District Level Sand Spots, Beed District, Maharashtra

EXECUTIVE SUMMARY

1. Introduction

- ❖ Environmental Clearance is sought for 32 Sand Spots located in Gevrai, Majalgaon, Parli Talukas in Beed 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 Beed by Collector Office, Beed. with **WO. No. 2019/Gukh/Parya. Sallagar/Kavi** dated **01/02/2020**.
- ❖ 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

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दिनांक 23.06.2020 अंतिम करण्यात आलेली वाळुघाट यादी.

अ.क्र	वाळुघाट	तालुका	नदीचे नाव	गट क्रमांक	एकूण क्षेत्र	क्षेत्र (हेक्टर) Mineable	क्षेत्र (हेक्टर) Non Mineable	क्षेत्रफळ मिटर मध्ये (लांबी, रुंदी, खोली)			लिलावासाठी उपलब्ध वाळुसाठा (ब्रास)	Mineable sand in brass (75%)	Non Mineable sand in brass (25%)		
								लांबी	रुंदी	खोली					
1	बोरगाव बु 1	गेवराई	गोदावरी	155,156	1.80	1.35	0.45	450	x	40	x	0.80	5088	3816	1272
2	बोरगाव बु 2	गेवराई	गोदावरी	170,172,173,174,176,1	4.80	3.60	1.20	1200	x	40	x	1.00	16961	12721	4240
3	पाथरवाला बु 1	गेवराई	गोदावरी	60,61,62	3.90	2.93	0.98	650	x	60	x	0.80	11025	8269	2756
4	पाथरवाला बु 2	गेवराई	गोदावरी	१,२	4.20	3.15	1.05	700	x	60	x	0.80	11873	8905	2968
5	सुरळेगाव 1	गेवराई	गोदावरी	135,136,2,4,5,6,8,9	4.73	3.54	1.18	1350	x	35	x	1.00	16696	12522	4174
6	सुरळेगाव 2	गेवराई	गोदावरी	12,13,15 ते 18	4.90	3.68	1.23	1400	x	35	x	1.20	20777	15583	5194
7	पांचाळेश्वर	गेवराई	गोदावरी	68,1	1.75	1.31	0.44	500	x	35	x	1.20	7420	5565	1855
8	राक्षसभूवन 1	गेवराई	गोदावरी	187 ते 192, 2,3,4	4.96	3.72	1.24	1240	x	40	x	1.20	21032	15774	5258
9	राक्षसभूवन 2	गेवराई	गोदावरी	27 ते 30, 32 ते 37	4.80	3.60	1.20	1600	x	30	x	1.30	22049	16537	5512
10	म्हाळसपिंपळगाव	गेवराई	गोदावरी	2 ते 10, 12,313,16,17,23,	4.95	3.71	1.24	1100	x	45	x	1.20	20989	15742	5247
11	सावळेश्वर	गेवराई	गोदावरी	3 ते 8, 10	4.75	3.56	1.19	950	x	50	x	1.20	20141	15106	5035
12	सावरगाव नि	गेवराई	गोदावरी	28 ते 30, 3,4,8,9	3.38	2.53	0.84	750	x	45	x	1.10	13118	9839	3280
13	नागझरी	गेवराई	गोदावरी	2 ते 5	1.80	1.35	0.45	450	x	40	x	0.80	5088	3816	1272
14	संगमजळगाव 1	गेवराई	गोदावरी	40,43,44,45	3.75	2.81	0.94	750	x	50	x	1.20	15901	11926	3975
15	संगमजळगाव 2	गेवराई	गोदावरी	2,3,4	4.20	3.15	1.05	700	x	60	x	1.80	26714	20035	6678
16	हिंगणगाव 1	गेवराई	गोदावरी	51 ते 54,2,4	4.75	3.56	1.19	950	x	50	x	1.40	23498	17624	5875
17	हिंगणगाव 2	गेवराई	गोदावरी	13 ते 15,17 ते 19	4.85	3.64	1.21	970	x	50	x	1.60	27420	20565	6855
18	बोरगावथडुडी 1	गेवराई	गोदावरी	40, 41, 43,46	4.41	3.31	1.10	980	x	45	x	1.10	17141	12856	4285
19	बोरगावथडुडी 2	गेवराई	गोदावरी	4 ते 8	4.95	3.71	1.24	900	x	55	x	1.00	17491	13118	4373
20	गंगावाडी 1	गेवराई	गोदावरी	279 ते 284,329	4.95	3.71	1.24	900	x	55	x	1.00	17491	13118	4373
21	गंगावाडी 2	गेवराई	गोदावरी	354,355	1.80	1.35	0.45	300	x	60	x	1.00	6360	4770	1590
22	राजापुर 1	गेवराई	गोदावरी	294	4.68	3.51	1.17	850	x	55	x	1.20	19823	14867	4956
23	राजापुर 2	गेवराई	गोदावरी	10,21,22,25,26,34	4.95	3.71	1.24	900	x	55	x	1.10	19240	14430	4810
24	राजापुर 3	गेवराई	गोदावरी	39,40,44 ते 46,49,50 ते 53	4.95	3.71	1.24	900	x	55	x	0.90	15742	11807	3936

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								लांबी	रुंदी	खोली					
25	काठोज	गेवराई	गोदावरी	6,7,8,10	4.95	3.71	1.24	1100	x	45	x	1.00	17491	13118	4373
26	रिधोरी	माजलगाव	गोदावरी	177,1 ते 3,12,13,15 ते 18	4.50	3.38	1.13	900	x	50	x	1.00	15901	11926	3975
27	कवडागावथडुडी	माजलगाव	गोदावरी	37 ते 39,42,1,3 ते 5	3.75	2.81	0.94	1250	x	30	x	0.80	10601	7951	2650
28	गव्हाणथडुडी	माजलगाव	गोदावरी	12,18,21,	4.10	3.08	1.03	820	x	50	x	0.80	11590	8693	2898
29	आडोळा	माजलगाव	गोदावरी	72,78	1.20	0.90	0.30	300	x	40	x	1.00	4240	3180	1060
30	डियस 1	परळी	गोदावरी	10 ते 12, 1,2,20,21,23,29	3.85	2.89	0.96	700	x	55	x	2.10	28569	21427	7142
31	डियस 2	परळी	गोदावरी	30,35,39,40,42 ते 44, 47,48,51 ते 57, 60,61	4.00	3.00	1.00	800	x	50	x	2.50	35336	26502	8834
32	डियस 3	परळी	गोदावरी	62 ते 66, 69 ते 75,79	3.25	2.44	0.81	650	x	50	x	2.10	24117	18087	6029
एकूण						128.55	96.41	32.14					546928	410196	136732

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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 32 Sand Spots located in Gevrai, Majalgaon, Parli Talukas in Beed 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.