

**EXECUTIVE SUMMARY ON
DRAFT ENVIRONMENTAL MANAGEMENT PLAN**

FOR

SAND GHATS

AT

AKOLA DISTRICT

STATE – MAHARASHTRA

FOR PUBLIC HEARING FOR 23 SAND GHATS

PROPONENT

DISTRICT MINING OFFICER, COLLECTOR OFFICE, AKOLA

CONSULTANT

ENVIRO TECHNO CONSULT PRIVATE LIMITED

68,MAHAKALI NAGAR-2
NEAR MANEWADA SQUARE
NAGPUR 440 024

AUGUST 2025

Introduction :

District Collector, Akola intends to auction sand ghats and appointed District Mining Officer Akola as project proponent as per sand mining guidelines dated 08.04.2025. Total 23 sand ghats are identified by Taluka level Technical Committee chaired by Tahsildar and Dy. Engineer Irrigation, Junior Geologist, Directorate of Geology and Mining, Junior Geologist G.S.D.A., representative of forest, for scooping of sand by manual method.

List of sand ghats proposed for auction prior environmental clearance are as below

Table 1.0 Details of Sand Ghat :

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Sr. No.	Name of Sand Ghat	Name of Village	Taluka	Name of River	Survey No./Gut No.	Proposed size			Total Available Sand (brass)	Area in Hectar	Length of Approach Road	No. of Workers	No. of Tractors	No of Trees along Bank	No of Trees along village Road	Water Requirement in cum/day	EMP cost in Rs. Lakhs
						Length (m)	Breadth (m)	Depth (m)									
1	Lakhpuri 2	Lakhpuri 2	Murtizapur	Purna	2, 3, 8, 16, 17	716	14	0.6	2125	1.00	856	28	9	145	856	2	13.46
2	Virwada	Virwada	Murtizapur	Purna	1, 2, 22, 23, 235, 237 to 241	916	12	0.70	2719	1.10	237	28	11	185	237	2	9.95
3	Dapura 2	Dapura 2	Murtizapur	Purna	14, 15, 107, 1, 12, 35 to 37	240	90	1.00	7633	2.16	1498	56	30	48	1498	2	17.13
4	Kolsara 1	Kolsara 1	Murtizapur	Pedhi/purna	14, 15, 16	450	23	1.00	3657	1.04	779	38	14	90	779	2	11.65
5	Kolsara 2	Kolsara 2	Murtizapur	purna	74 to 77	440	25	1.00	3887	1.10	836	38	15	88	836	2	10.68
6	Khaparwada 1	Khaparwada 1	Murtizapur	purna	63	510	21	1.00	3784	1.07	1168	38	15	102	1168	2	14.32
7	Khaparwada 2 (Khairi)	Khaparwada 2 (Khairi)	Murtizapur	purna	37 to 40	400	26	1.00	3675	1.04	1843	38	15	80	1843	2	19.08
8	Ghugshi Hasnapur	Ghugshi Hasnapur	Murtizapur	purna	2 to 6	412	25	0.70	2548	1.03	278	28	10	80	278	2	7.71
9	Durgwada	Durgwada	Murtizapur	purna & Kamalganga	1 to 4, 243 to 247, 249, 32, 33, 35 to 38, 40 to 44, 56	910	12	1.00	3859	1.09	500	38	15	182	500	2	11.25
10	Lonsana	Lonsana	Murtizapur	Pedhi	14, 15, 139, 140, 147, 148, 150, 151, 152	900	12	1.00	3816	1.08	1340	38	15	180	1340	2	16.58
11	Sangwamel	Sangwamel	Murtizapur	Purna	274 to 277	1080	11	0.70	2939	1.19	1770	28	12	216	1770	2	20.32

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12	Sangvi	Sangvi	Murtizapur	purna and uma	3, 5, 6, 10, 40, 78, 83 to 85, 87, 56, 62, 63, 64, 65, 67, 68,	930	12	0.8	3155	1.12	680	28	12	186	680	2	12.93
13	Bapori	Bapori	Murtizapur	Pedhi	29, 412 to 418, 420 to 424,	1100	12	0.8	3731	1.32	642	38	15	220	642	2	12.16
14	Pingla-Dapura	Pingla	Murtizapur	Purna	Pingla - 86, Dapura - 26, 27	450	23	1	3657	1.04	636	38	14	90	636	2	10.49
15	Kajikhed 1	Kajikhed 1	Balapur	Purna	88 to 91, 93, 99 to 103, 111 to 114, 120, 122 to 129, 130 to 133	1400	12	0.60	3562	1.68	1822	38	14	280	1822	2	24.26
16	Kajikhed 2, Hingana Shikari	Kajikhed 2, Hingana Shikari	Balapur	Man	1, 6 to 13, 34,35,72 to 81, 92 , 17,19,20	1950	10	0.50	3445	1.95	972	38	14	390	972	2	18.23
17	Mokha	Mokha	Balapur	Purna	1, 2, 3, 10, 15, 199, 200	1300	12	0.8	4410	1.56	2665	48	17	260	2665	2	26.99
18	Swarupkhed	Swarupkhed	Balapur	Purna	1, 2, 123,137 to 145, 151 to 159, 4, 44	1200	12	0.8	4071	1.44	727	38	16	240	727	2	14.01
19	Janhori Mel	Janhori Mel	Balapur	Purna	8 to 13, 17, 23 to 27, 130, 131, 132	1200	12	0.7	3562	1.44	1604	38	14	240	1604	2	19.14
20	Hata	Hata	Balapur	Purna	35, 36, 39 to 52, 856 to 859, 861 to 869, 871 to 874, 694, 767, 14, 15, 16	1500	10	0.7	3710	1.50	1320	38	14	300	1320	2	17.91
21	Talegaon Paturda	Talegaon Paturda	Telhara	Purna	53, 54, 55, 56, 57, 58, 60 to 64	1350	11	0.70	3673	1.49	1631	38	14	270	1631	2	19.62

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22	Wangargaon	Wangargaon	Telhara	Purna	68, 69, 70, 71,72	900	13	1	4134	1.17	1185	48	16	180	1185	2	15.05
23	Babhulgaon	Babhulgaon	Telhara	Purna	72, 73, 74	900	12	0.5	1908	1.08	900	28	8	180	900	2	12.02

● **Status of Statutory Clearances for Sand Ghat**

Name & Address of Allottee	District Mining Officer Akola (Successful Bidder for sand depot) Akola District, Akola
Status of the lease	New, Individual/ Project Proponent/Successful Bidder for auction of sand ghat by District Collector Akola.
Mineral for which lessee intends to mine	Ordinary Sand for Construction purpose
Name & Address of the Prospecting Agency	Taluka level Technical Committee chaired by Tahsildar and Dy. Engineer Irrigation, Junior Geologist, Directorate of Geology and Mining, Junior Geologist G.S.D.A., representative of Forest, B.D.O..
Grampanchayat NOC	Not required as per sand disposal policy of Govt. of Maharashtra dated 08.04.2025.
Plan Period for Activity	Up to one year from the date of allotment of sand ghat or up to scooping of Allotted/Permitted quantity mined out, whichever is earlier excluding stipulated monsoon period between 10 June -30 September

● **Method of Mining :**

The mining will be manual opencast mining method of scooping using simple tool like spade/pawdas.

- a. Over burden/Soil Removal:
No overburden/Soil is anticipated.
- b. Scooping of Sand /Loading
The ordinary sand will be loaded manually by labours.
- c. Hauling
Ordinary sand is transported through tractors /trucks with permissible quantity.
- d. No machinery will be utilized.
- e. Period of scooping of sand will be for one year excluding monsoon period of 10th June -30th Sept or as defined by district collector.

- About 28-56 labours per ghat will be required.
- The site services will be provided by allottee/Successful Bidder, Office, First Aid and Rest Shelters will be temporarily constructed 20m away from the bank of river.
- Applied area for sand extraction is covered by dark basalt and which has been derived/ transported from black basalt of surrounding flat and well tilled area. The sand of the applied area is found to be underlain by dark basalt of the river bed.
- Anticipated Environmental impacts and Management Plan

A summary of air pollution control measures is given below:

S. No	Impact Source	Impact	Control measure
1	Transport Road	On Air Quality On Land / Rd stability/ Rd degradation	<ul style="list-style-type: none">• Compaction, gradation and drainage on both sides & development of green belts• Proper maintenance.• Regular water spraying.• Avoiding over filling of tractor and consequent spillage on the roads• Air quality will be monitoring at impacted village.
2	Truck/ Tractor Movement	Air Quality	<ul style="list-style-type: none">• No overloading of trucks.• Sand carrying trucks will be effectively covered by tarpaulin to avoid escape of fines to the atmosphere.• Enforcing speed limit.• Regular monitoring of the exhaust fumes.• No Engine of tractor/truck will be kept on during the filling.• If possible entry be restricted to river bed
3	Ramp and Sand Reach	Mining Operations	<ul style="list-style-type: none">• Regular ramp Inspection and Ramp maintenance• Provision of dusk masks.• Mining will be done during day time between fixed

			hours only.
4	Bank Management	Bank Erosion/ Flood Plain management	<ul style="list-style-type: none"> • Green belt along bank • Plantation of wide leaf tall trees on banks and grass along slanting portion of bank.

● **Occupational Health and Services**

1	Occupational Health & Safety Measures to Control Dust Inhalation	Safety of Workers and Mining Operations	<ul style="list-style-type: none"> • Providing a working environment that is conducive to safety & health • The management of occupational safety & health is the prime responsibility of mine owner. • Provision of necessary personal protective equipments • Ensuring employees at all levels receive appropriate training and are competent to carry out their duties and responsibilities • Provision of First Aid and Drinking Water, Temporary rest Room
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● **Noise control measures will be provided in the proposed crushing and screening plant.**

- In addition, personnel working near high noise level generating sources will be provided with ear muffs
- No equipment generating Noise excluding tractor/truck will be permitted.
- No tractor engine will be kept idle.
- Conduct periodic audiometric tests for employees working close to high noise generating areas such as compressors, the loading and unloading sections, etc
- Provision of PPE's will be made and their proper usage will be ensured for hearing protection of the workers as well as visitors.

● **Traffic Management**

- The mineral transporting vehicles will be registered with the forest department/revenue department and only registered vehicles will be used for mineral transport.
- The PUC certificate for exhaust emissions for all the transport vehicles will be made mandatory.
- All the vehicles will be properly maintained to control emissions and noise generation.
- Drivers of all the vehicles will strictly follow traffic rules.
- Speeds of the mineral transport vehicles will be regulated.
- Overloading of the tractors will not be allowed
- The mineral transporting tractors will be properly covered with tarpaulin to avoid fugitive emissions.
- Batch transport system will be adopted in consultation with the other sand ghat operators in the area to avoid excess traffic at a time on the road.
- Mineral transportation will be done only during day time only.
- Strict action will be taken against any driver, who do not comply the traffic rules.

● **Plantation program**

It is proposed to plant local species during the monsoon period along bank of river and village roads.

List of Species Proposed for green Belt Development

Local species like Neem, peepal, subabul, Karanj, Gulmohar etc will be planted.

- Successful Bidder/ Sand Ghat allottee will implement the Environmental Management Plan for the amount as per Table 1.0 on his own.

Successful Bidder/ Sand Ghat allottee Owner will submit compliance to terms of conditions stipulated in the prior environmental clearance to the District Mining Officer and respective Tahsildar with the expenses made on implementation of environmental management plan.

District Mining Officer/respective Tahsildar will monitor the implementation of approved environmental management plan along with District Level Committee headed by District Collector as stipulated in Sand Mining Rules 2025.