

**EXECUTIVE SUMMARY ON
DRAFT ENVIRONMENTAL MANAGEMENT PLAN**

FOR

SAND GHATS

AT

YAVATMAL DISTRICT

STATE – MAHARASHTRA

FOR PUBLIC HEARING FOR 18 SAND GHATS

PROPONENT

**DISTRICT MINING OFFICER, COLLECTOR OFFICE, YAVATMAL
/SUCCESSFUL BIDDER**

CONSULTANT

ENVIRO TECHNO CONSULT PRIVATE LIMITED

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

AUGUST 2025

Introduction :

District Collector, Yavatmal intends to auction sand ghats and appointed District Mining Officer Yavatmal as project proponent on behalf of successful bidder as per sand mining guidelines dated 08.04.2025. Total 18 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 & Block Development Officer, Zilla Parishad 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	River	Nearest Gut Nos	Length in M	Breadth in M	Total Depth in M	Approved Depth in M	Area in Ha	Total Qty Sand in Brass	Qty Sand in Brass	Qty Sand in Brass	Remarks	Length of Approach Road in m	No. of Workers	No. of Tractors	No of Trees along Bank	No of Trees along village Road
												Year 25-26	Year 26-27	Proposed for Year					
1	Fatiyabad	Fatiyabad	Babhulgaon	Bemabla	28	420	40	2.5	0.50	1.68	2968	2968	--	1 Year	1908	28	11	84	1900
2	Aayta-1	Aayta	Arni	Adan Nadi	जलांद्री शीव व सर्वे नं 128 ते 143 व 144 चा मध्य धुरा	900	30	2.5	0.50	2.70	4770	2385	2385	2 Year	1251	28	11	180	1250
3	Aayta-2	Aayta	Arni	Adan Nadi	144 व 145 च्या मध्य धुरा ते 169 ते 170	900	30	2.5	0.50	2.70	4770	2385	2385	2 Year	452	28	9	180	450
4	Jalandri-2	Jalandri	Arni	Adan Nadi	स.न.11 व 16 चा मध्य धुरा व पाळोदी शिव	600	30	2.5	0.50	1.80	3180	3180	--	1 Year	448	28	9	120	450
5	Rani Danora-1	Rani Danora	Arni	Painganga	107/2, 107/1, 108, 105, 104, 103	750	60	2.5	0.50	4.50	7951	3976	3976	2 Year	1463	38	12	150	1470
6	Rani Danora-2	Rani Danora	Arni	Painganga	17, 18, 21, 24	800	60	2.5	0.50	4.80	8481	4241	4241	2 Year	621	48	15	160	60
7	Zullar	Zullar	Ralegaon	Wardha	42 अंशतः भाग	220	50	2.5	0.50	1.10	1943	1943	--	1 Year	2470	28	16	44	2470
8	Mudhapur	Mudhapur	Ralegaon	Wardha	14 अंशतः 15,16 अंशतः	300	40	2.6	0.60	1.20	2544	2544	--	1 Year	733	28	7	60	730
9	Hirapur	Hirapur	Ralegaon	Wardha	16 अंशतःभाग, 17अंशतः भाग	335	30	2.6	0.60	1.01	2131	2131	--	1 Year	2370	28	10	67	2370
10	Jagjai	Jagjai	Ralegaon	Wardha	145, 147	335	30	2.5	0.50	1.01	1776	1776	--	1 Year	2425	28	8	67	2425
11	Bhurki-1	Bhurki	Wani	Wardha	1, 2, 3, 4, 162, 172	500	50	2.5	0.50	2.50	4417	2209	2209	2 Year	490	28	7	100	490
12	Bhurki-2	Bhurki	Wani	Wardha	18, 20, 21	600	50	2.5	0.50	3.00	5300	2650	2650	2 Year	387	28	8	120	390
13	Shelu Khu	Shelu Khu	Wani	Wardha	15, 18, 20, 21	400	25	2.5	0.50	1.00	1767	1767	--	1 Year	1407	28	10	80	1400
14	Kolgaon	Kolgaon	Wani	Painganga	33, 32, 31, 26, 29, 30	300	70	2.6	0.60	2.10	4452	2226	2226	2 Year	627	28	7	60	630
15	Sakhra Ko.	Sakhra Ko.	Wani	Painganga	86, 85, 84, 83, 82, 79, 62, 61, 60, 50	450	60	2.6	0.60	2.70	5724	2862	2862	2 Year	1080	28	9	90	1080
16	Durbha 1	Durbha 1	Zari Jamni	Painganga	25, 27, 28, 29, 30, 31	700	20	2.5	0.50	1.40	2473	2473	--	1 Year	1600	28	11	140	1600
17	Durbha 2	Durbha 2	Zari Jamni	Painganga	190, 189, 188, 184	400	25	2.5	0.50	1.00	1767	1767	--	1 Year	1479	28	10	80	1480
18	Wetholi 1	Watholi 1	Zari Jamni	Painganga	7, 8, 9	200	60	2.7	0.70	1.26	3117	3117	--	1 Year	588	28	7	40	590

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

Name & Address of Allottee	District Mining Officer Yavatmal / Successful Bidder Yavatmal District, Yavatmal
Status of the lease	New, Individual/ Project Proponent/Successful Bidder for auction of sand ghat by District Collector Yavatmal.
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 & Block Development Officer, Zilla Parishad
Grampanchayat NOC	Not required Gramsabha as per procedure defined in sand mining guidelines of Maharashtra State dated 08.04.2025.
Plan Period for Activity	Up to one year /two years as defined in annexure-1 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 28-48 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 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.

Annexure-1

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Executive summary Yavatmal Sand Ghats

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