

**EXECUTIVE SUMMARY ON
DRAFT ENVIRONMENTAL MANAGEMENT PLAN**

FOR

SAND GHATS

AT

AKOLA DISTRICT

STATE – MAHARASHTRA

FOR PUBLIC HEARING FOR 15 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 2024

Introduction :

District Collector, Akola intends to auction sand ghats and appointed District Mining Officer Akola as project proponent as per sand mining guidelines dated 16.02.024. Total 15 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 Maharashtra Pollution Control Board 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	River/Nallah	Taluka	Nearest Gut No.	Area in Ha	Dimensions (L in m X B in m)	Total Depth in m	Approved Depth in m	Sand in Brass	Length of Approach Road in m	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
1	Kapileshwar	Purna	Akola	204 To 210,220 To 225	1.5	1000x15	2.9	0.9	4770	451	38	18	200	450	2.0	9.46
2	Wadad Kh	Purna	Akola	92 To 95,102,103,105,117,118,126,127,128	1.4	1000x14	2.9	0.9	4452	1166	38	18	200	1160	2.0	29.61
3	Eklara	Purna	Akola	3,6To9,253,254,263,264,269,303,306,307	1.6	1000x16	2.8	0.8	4522	421	38	17	200	420	2.0	9.18
4	Katyar	Purna	Akola	15 To 18,20 To 31	1.100	1100x10	3.0	1	3887	2000	38	17	220	2000	2.0	21.13
5	Mhaisang	Purna	Akola	710,711,715,716,717,739,740,25	1.800	1500x12	2.5	0.5	3180	464	38	15	300	460	2.0	9.88
6	Ugawa	Morna	Akola	558 To 562, 816 To 818	1.260	700x18	2.5	0.5	2226	162	28	12	140	160	2.0	6.56
7	Keliveli	Purna	Akot	33,34,39,40,41	1.400	1000x14	2.5	0.5	2473	585	28	9	200	580	2.0	9.85
8	Pilakwadi	Purna	Akot	1 To 3,261,262,260,266,263	1.430	1025x14	2.5	0.5	2535	651	28	10	200	650	2.0	10.42
9	Nimba	Man	Balapur	92,96,97,100 To 102,107	1.080	900x12	2.6	0.6	2289	1324	28	10	180	1320	2.0	15.36
10	Bahadura	Man	Balapur	9 To 16,21 To 25,32,33	1.320	1100x12	2.5	0.5	2332	1099	28	9	220	1100	2.0	13.84
11	Sagad	Purna	Balapur	1 To 5,36 To 44, 229 To 232,239	1.800	1500x12	2.7	0.7	4452	1668	38	9	300	1670	2.0	18.61
12	Nagad	Purna	Balapur	3,172 To 178,196 To 204,209,210,224 To 229,231,232,233,251	2.28	1900x12	2.5	0.5	4028	2300	38	17	380	2300	2.0	24.18
13	Lohara 1	Man	Balapur	84 To 86,89 To 94,901 To 914,894,895	1.03	1150x9	2.7	0.7	2560	1324	28	15	230	1320	2.0	15.88
14	Dongargao n	Man	Balapur	638 To 641,653 To 665	1	1000x10	2.7	0.7	2473	810	28	10	200	800	2.0	11.57
15	Manjiri	Kanchanpur Nala	Balapur	49 To 52,59,66,67,69,79,80,87,94 To 98,414	1.17	1300x9	2.6	0.6	2480	252	28	10	260	250	2.0	7.73

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

Name & Address of Allottee	District Mining Officer Akola (Successful Bidder for sand depot) Akola District, Akola/ Sand Ghat Depot Owner
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 Maharashtra Pollution Control Board.
Grampanchayat NOC	Not required as per sand disposal policy of Govt. of Maharashtra dated 16.02.2024.
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 28-38 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.
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● **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 / Sand Ghat Depot Owner will implement the Environmental Management Plan for the amount as per Table 1.0 on his own.

Successful Bidder/ Sand Ghat allottee/ Sand Ghat Depot 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 2024.