

**EXECUTIVE SUMMARY ON
DRAFT ENVIRONMENTAL MANAGEMENT PLAN**

FOR

SAND GHATS

AT

AKOLA DISTRICT

STATE – MAHARASHTRA

FOR PUBLIC HEARING FOR 14 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

APRIL 2020

Introduction :

District Collector, Akola intends to auction sand ghats and appointed District Mining Officer Akola as project proponent as per sand mining guidelines dated 03.09.2019. Total 14 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 :

Table 1.0 Details of Sand Ghat :

Sr. No.	Taluka	Name of Sand Ghat	Name of Village	Nearest Gut No.	Name of River/Stream	Dimensions of Sand Ghat in cum.	Sand Proposed for scooping in Brass	Length of Approach Road	Width of Approach	No. of Workers	No. of Tractors	No of Trees along Bank	No of Trees along village Road	Water Requirement in cum/day	EM Rs.
1	Akola	Mhaisang	Mhaisang	1,25,710,711,739,740	Purna	650mx14mx0.8m	2572	450m	3m	28	4	130	180	1.660m ³ /day	73
2	Akola	Kapileshwar	Kapileshwar	204 to 207,209,210,219 to 226,235	Purna	275mx50mx0.5m	2429	300m	3m	28	5	55	120	1.860m ³ /day	60
3	Akola	Wadad Khu.	Wadad Khu.	92 to 94,103,105 to 107,116,117,126,127	Purna	750mx25mx0.8m	5300	500m	3m	33	10	150	200	1.660m ³ /day	73
4	Balapur	Manjri(Kanchanpur	Manjri(Kanchanpur	43,47 to 52,56,57,59,66 to 79,87,89,91 to 94,98,99,105,414	Kanchanpur Nala	980mx7mx0.5m	1212	250m	3m	28	3	196	100	1.860m ³ /day	66
5	Balapur	Bahadura	Bahadura	9 to 13,15,16,21 to 25,31 to 33	Man	130mx12mx0.8m	440	500m	3m	28	4	26	200	1.860m ³ /day	62
6	Balapur	Kajikhed 1	Kajikhed	88,89,93,99 to 103,111 to 113,125 to 129, 131 to 133	Purna	550mx10mx0.9m	1749	530m	3m	28	4	110	212	1.660m ³ /day	68
7	Balapur	Kajikhed 2	Kajikhed	1,6 to 15,22,23,34,35	Man	255mx10mx0.6m	540	350m	3m	28	1	51	140	1.660m ³ /day	60
8	Balapur	Nagad	Nagad	3,172 to 175,177,178,196 to 210,223 to 229,231 to 233,248,251	Purna	360mx12mx0.9m	1373	410m	3m	28	3	72	160	1.660m ³ /day	64
9	Telhara	Wangargaon	Wangargaon	69	Purna	150mx20mx0.9m	955	300m	3m	28	2	30	120	1.660m ³ /day	59
10	Telhara	Manatri Bu.	Manatri Bu.	50e,61,68,73e,76	Vidrupa	215mx5mx0.8m	304	550m	3m	28	1	43	220	1.660m ³ /day	63
11	Murtizapur	Dapura 1	Dapura	4 to 97,113 to 126	Pendhi	820mx11mx0.5m	1594	530m	3m	28	4	164	212	1.660m ³ /day	70
12	Murtizapur	Khaparwada	Khaparwada	63	Purna	319mx20m0.8m	1803	1000m	3m	28	4	64	400	1.660m ³ /day	79
13	Murtizapur	Waghjali	Waghjali	5	Kamalganga	150mx15mx0.5m	398	200m	3m	28	2	30	76	1.660m ³ /day	57

Executive summary Akola Sand Ghats

14	Murtizapur	Sangwa Mel	Sangwa Mel	274,275,276,277	Purna	615mx17mx0.8m	2956	450m	3m	28	5	123	180	1.860m ³ /day	68
----	------------	------------	------------	-----------------	-------	---------------	------	------	----	----	---	-----	-----	--------------------------	----

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

Name & Address of Allottee	District Mining Officer Akola / Succesful Bidder Akola District, Akola
Status of the lease	New, Individual/ Project Proponent/Succesful 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	Received from Gramsabha as per public consultation procedure defined in sand mining guidelines of Maharashtra State dated 03.09.2019.
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 28-48 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
---	--	--	--

● **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 2019.