

**EXECUTIVE SUMMARY ON
DRAFT ENVIRONMENTAL MANAGEMENT PLAN**

FOR

SAND GHATS

AT

AURANGABAD DISTRICT

STATE – MAHARASHTRA

FOR PUBLIC HEARING FOR 14 SAND GHATS

PROPONENT

DISTRICT MINING OFFICER, COLLECTOR OFFICE, AURANGABAD

CONSULTANT

ENVIRO TECHNO CONSULT PRIVATE LIMITED

68, MAHAKALI NAGAR-2

NEAR MANEWADA SQUARE

NAGPUR 440 024

MAY 2021

Introduction :

District Collector, Aurangabad intends to auction sand ghats and appointed District Mining Officer Aurangabad as project proponent as per sand mining guidelines dated 03.09.2019. 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.	Tehsil	Name of Sand Ghat	Name of River/Nala	Survey No./Gut No.	Sandghat			Total Area	Road/Govt/Pvt	ApproxSandQty	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	EMP cost in Rs. Lakhs
					Length (m)	Width (m)	Depth (m)											
1	Sillod	Bhavan	Purna	200, 201, 203, 206, 207, 208, 221, 222, 231, 232, 233, 234, 237, 190	600	20	1.00	1.20	-	4240	832	4m-6m	33	16	300	832	1.66	12.35
2	Sillod	Kerhala	Purna	554, 555, 556, 557, 568, 569, 572, 574, 575	510	20	1.00	1.02	-	3604	1320	4m-6m	33	14	260	1320	1.66	15.46
3	Sillod	Chinchkheda	Purna	21, 22, 34, 35, 36	500	20	0.70	1.00	-	2473	1370	4m-6m	28	10	250	1370	1.56	15.44
4	Sillod	Dhanora	Purna	54/1, 54/2, 60/1, 60/2, 61/2, 62, 63, 64, 65, 66, 71	400	30	1.20	1.20	-	5088	1752	4m-6m	48	20	200	1752	1.96	18.6
5	Sillod	ModhaKhu	Purna	62, 63, 68, 70, 71, 72	400	30	0.50	1.20	-	2120	1210	4m-6m	28	8	200	1210	1.56	13.96
6	Sillod	Kontnandra	Purna	138, 140, 142, 143	450	23	0.90	1.04	-	3292	912	4m-6m	28	13	225	912	1.56	12.27
7	Sillod	Sisarkheda	Purna	100, 101, 111, 112, 113, 114, 115	350	30	1.00	1.05	-	3710	1148	4m-6m	33	14	175	1150	1.66	13.84
8	Vaijapur	Avvaalgaon	Godavari	136, 139, 140	200	50	1.00	1.00	-	3534	1438	4m-6m	28	14	100	1430	1.56	15.34
9	Vaijapur	Jalgaon	Shivna	53, 54, 55, 57, 59, 75	400	25	1.00	1.00	-	3533	2557	4m-6m	28	13	100	2550	1.56	23.18
10	Vaijapur	Babhulgaon Ganga	Godavari	140, 141, 142, 143, 147, 148	1000	45	2.00	4.50	-	31802	1217	4m-6m	48	122	500	1430	1.96	21.97
11	Vaijapur	Bhalgaon	Godavari	5, 6, 7, 120	300	35	1.00	1.05	-	3710	1078	4m-6m	33	14	150	1080	1.66	13.32
12	Phulambri	VanegaonKhu, Bu-2	Girija	18, 19, 161, 162, 163, 164, 165, 166, 177, 178, 179, 180, 181, 182, 183,	400	40	0.70	1.60	-	3958	849	4m-6m	33	15	200	850	1.66	11.82

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				184														
13	Paithan	Hiradpuri	Godavari	191, 192	700	70	1.45	4.90	-	25106	938	4m-6m	48	96	350	950	1.96	17.89
14	Paithan	Ghregaon	Sukhna	2, 4, 111, 112, 115	350	30	0.80	1.05	-	2968	447	4m-6m	28	12	175	450	1.56	13.33

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

Name & Address of Allottee	District Mining Officer Aurangabad / Successful Bidder Aurangabad District, Aurangabad
Status of the lease	New, Individual/ Project Proponent/Successful Bidder for auction of sandghat by District Collector Aurangabad.
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.

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- 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 Ghatallottee will implement the Environmental Management Plan for the amount as per Table 1.0 on his own.

Successful Bidder/ Sand Ghatallottee will submit compliance to terms of conditions stipulated in the prior environmental clearance to the District Mining Officer and respective Tahsildar with

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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.