

**EXECUTIVE SUMMARY ON  
DRAFT ENVIRONMENTAL MANAGEMENT PLAN**

**FOR**

**SAND GHATS**

**AT**

**CHH. SAMBHAJI NAGAR DISTRICT**

**STATE – MAHARASHTRA**

**FOR PUBLIC HEARING FOR 13 SAND GHATS**

**PROPONENT**

**DISTRICT MINING OFFICER, COLLECTOR OFFICE, SAMBHAJI NAGAR**

**CONSULTANT**

**ENVIRO TECHNO CONSULT PRIVATE LIMITED**

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

**January 2024**

**Introduction :**

District Collector, Chh. Sambhaji Nagar intends to scoop out sand ghats and appointed District Mining Officer Chh. Sambhaji Nagar as project proponent as per sand mining guidelines dated 19.4.2023 Total 13 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.	Taluka	Sand Ghat /Village	River	Nearest Gut No.	Sand Ghat Dimensions			Area in Ha	Available Sand in Brass	Length of Approach Road (m)	Width of Approach (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
					Length (m)	Breadth in (m)	Depth in (m)										
1	Fulambri	Wanegaon Khu Bu	Girja	Northside G.No. .177,178,179,180,181,182,183,184 South Side G.No. 167,166,165,164,163,162,161,19,18	450	35	0.7	1.58	3896	405	4-6	36	15	405	90	2.00	836000
2	Paithan	Hiradpuri	Godavari	191,192	600	60	1	3.6	12721	1188	4-6	58	49	1188	120	2.00	1596100
3	Wajapur	Lasurgaon-Shahajatpur	Shivna	Lasurgaon- 207,206,216,217,219 Shahajatpur 126,127	525	22	1	1.15	4081	459	4-6	36	16	460	105	2.00	887300
4	Wajapur	Zolegaon	Shivna	2,113,114	241	42	1	1.01	3576	237	4-6	36	14	240	48	2.00	718400
5	Wajapur	Babhulgaon Ganga	Godavari	138,139,140,141,142,143,147,148	1200	40	1	4.8	16961	915	4-6	58	65	910	240	2.00	1565500
6	Gangapur	Pendapur	Shivna	78,80,86	350	30	1	1.05	3710	637	4-6	36	14	640	70	2.00	1019400
7	Gangapur	Bhalgaon	Shivna	18,19,20,22,23,24	700	30	1	2.1	7420	575	4-6	48	29	575	140	2.00	1057000
8	Gangapur	Sanav	Shivna	Village Settlement 118,117,110,109,105,104,103,102	400	45	1.5	1.8	9540	1570	4-6	58	37	1570	80	2.00	1767500
9	Gangapur	Agathan	Shivna	120	400	30	1	1.2	4240	657	4-6	36	16	660	80	2.00	1004400
10	Kannad	Devli	Shivna	27,26,25,23,24,22,09,08,07	500	25	1.5	1.25	6625	940	4-6	48	25	940	100	2.00	1270500
11	Sillod	Kerhala	Purna	554,555,556,557,568,569,526	500	20	1	1	3533	1000	4-6	36	14	1000	100	2.00	1277000
12	Sillod	Bhavan/Chinchkheda	Purna	Bhavan- 181,221,222,231,233,234, 235,236,200, 190 Chinchkheda -21,22,34,35,36	550	22	1	1.21	4276	712	4-6	36	16	710	110	2.00	1065400
13	Sillod	Upli	Anjan	163,160/2,160/3,116,117,121,123, 124,131,133,134,135,140,139,137	800	20	0.7	1.6	3957	1183	4-6	36	15	1180	160	2.00	1414100

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

Name & Address of Allottee	District Mining Officer Chh. Sambhaji Nagar / Depot Contractor Chh. Sambhaji Nagar District, Chh. Sambhaji Nagar
Status of the lease	New, Individual/ Project Proponent/Successful Bidder for auction of sand ghat by District Collector Chh. Sambhaji Nagar.
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 19.04.2023
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 10<sup>th</sup> June -30<sup>th</sup> Sept  
or as defined by district collector.

**Executive summary Chh. Sambhaji Nagar Sand Ghats**

- About 36-58 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"><li>• Compaction, gradation and drainage on both sides &amp; development of green belts</li><li>• Proper maintenance.</li><li>• Regular water spraying.</li><li>• Avoiding over filling of tractor and consequent spillage on the roads</li><li>• Air quality will be monitoring at impacted village.</li></ul>
2	Truck/ Tractor Movement	Air Quality	<ul style="list-style-type: none"><li>• No overloading of trucks.</li><li>• Sand carrying trucks will be effectively covered by tarpaulin to avoid escape of fines to the atmosphere.</li><li>• Enforcing speed limit.</li><li>• Regular monitoring of the exhaust fumes.</li><li>• No Engine of tractor/truck will be kept on during the filling.</li><li>• If possible entry be restricted to river bed</li></ul>
3	Ramp and Sand Reach	Mining Operations	<ul style="list-style-type: none"><li>• Regular ramp Inspection and Ramp maintenance</li><li>• Provision of dusk masks.</li><li>• Mining will be done during day time between fixed</li></ul>

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

• **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"> <li>• Providing a working environment that is conducive to safety &amp; health</li> <li>• The management of occupational safety &amp; health is the prime responsibility of mine owner.</li> <li>• Provision of necessary personal protective equipments</li> <li>• Ensuring employees at all levels receive appropriate training and are competent to carry out their duties and responsibilities</li> <li>• Provision of First Aid and Drinking Water, Temporary rest Room</li> </ul>
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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.

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

Depot Contractor 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 2023.**