

**EXECUTIVE SUMMARY ON
DRAFT ENVIRONMENTAL MANAGEMENT PLAN**

FOR

SAND GHATS

AT

JALNA DISTRICT

STATE – MAHARASHTRA

FOR PUBLIC HEARING FOR 25 SAND GHATS

PROPONENT

DISTRICT MINING OFFICER, COLLECTOR OFFICE, JALNA

CONSULTANT

ENVIRO TECHNO CONSULT PRIVATE LIMITED

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

JANUARY 2024

Introduction :

District Collector, Jalna intends to scoop out sand from proposed sand ghats and appointed District Mining Officer Jalna as project proponent as per sand mining guidelines dated 19th April 2023 and amendments if any . Total 25 sand ghats are identified by Taluka level Technical Sub 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	Name of Sand Ghat	River	Nearest Gut No	Length in m	Breadth in m	Depth in m	Area in Ha	Available sand in Brass	Haulage in m	Haulage Width in m	No. of Labours	No. of Tractors Required	Plantation along river bank	No. of Trees along Haul Road	Water for dust suppression utility in cum.	Proposed EMP Cost in Rs. Lakhs
1	Bhokardan	Valsa Khalsa Girija	Girija	60, 61, 62,63,66, 67	500	22	1.00	1.10	3887	470	4m-6m	36	15	100	470	2.0	9.16
2	Bhokardan	Valsa Davargaon	Purna	132,133,134,135	484	21	1.00	1.02	3592	404	4m-6m	36	14	97	404	2.0	8.38
3	Bhokardan	Valsa Khalsa Purna	Purna	47,49,52,55	520	20	1.00	1.04	3675	673	4m-6m	36	14	104	673	2.0	10.48
4	Bhokardan	Gavhan Sangmeshwar	Purna	10,11,229,230,233	500	20	1.00	1.00	3534	1097	4m-6m	36	14	100	1097	2.0	13.93
5	Jafrabad	Javkheda Theng Gokulwadi	Kelna	Javkheda Theng- 16,50,51,52,53,54,55, Gokulwadi-26	510	25	0.80	1.28	3604	329	4m-6m	36	14	102	329	2.0	10.23
6	Jafrabad	Sawangi	Purna	255 To 261	400	30	1.00	1.20	4240	350	4m-6m	48	16	80	350	2.0	8.18
7	Jafrabad	Deulgaon Ugle	Dhamana	160, 162, 163, 174	450	25	0.50	1.13	1988	707	4m-6m	28	8	90	707	2.0	10.32
8	Jafrabad	Merkheda	Dhamana	26,28,29,30,31,32, 252, 261,262,263,264,265,266,267	500	30	0.50	1.50	2650	1487	4m-6m	28	10	100	1487	2.0	16.64
9	Jafrabad	Borkhede Gayki-Garkheda	Purna	Borkhedi Gayaki- 170,172,173,174,175,176,177, Garkheda- 11	700	20	1.00	1.40	4947	674	4m-6m	48	20	140	674	2.0	11.21
10	Partur	Sawargaon Bu	Godavari	114, 115	470	22	1.00	1.03	3654	955	4m-6m	36	14	94	955	2.0	12.92
11	Partur	Aamba	Dudhna	78,79,80,81,	500	20	1.00	1.00	3534	1273	4m-6m	36	14	100	1273	2.0	15.43
12	Partur	Nandra	Dudhna	118,126,127,129,	785	30	1.00	2.36	8322	311	4m-6m	56	32	157	311	2.0	9.32
13	Partur	Golegaon	Godavari	330,331,332,333,336, 337,338,	600	32	1.00	1.92	6784	1585	4m-6m	56	26	120	1585	2.0	18.76
14	Partur	Changatpuri	Godavari	185,231,235,236,237,240,	1000	12	1.00	1.20	4240	668	4m-6m	48	16	200	668	2.0	15.75
15	Mantha	Kandi Uswad	Purna	Kanadi- 255 to 258, 261, 263, 264 Uswad- 229,230,353,355,356,373,	400	50	1.00	2.00	7067	80	4m-6m	56	27	80	80	2.0	6.99
16	Ghansawangi	Gunj Bu-Siraswadi	Godavari	401, 403	490	45	1.00	2.21	7792	260	4m-6m	56	30	98	260	2.0	8.51
17	Ghansawangi	Gunj Bu Gavthan	Godavari	371, 372	435	45	1.00	1.96	6917	130	4m-6m	56	26	87	130	2.0	7.31
18	Ghansawangi	Gunj BU Kalunkamata Vasti	Godavari	361, 362	410	50	1.00	2.05	7244	141	4m-6m	56	28	82	141	2.0	7.45
19	Ghansawangi	Chitravadgaon	Dudhna	1,2,3,4,5,13,	550	25	0.80	1.38	3887	1030	4m-6m	36	15	110	1030	2.0	13.47
20	Ghansawangi	Bhutegaon	Dudhna	208,209,210,211,212	675	16	0.80	1.08	3053	602	4m-6m	36	12	135	602	2.0	10.09
21	Ambad	Ghungardehadgaon	Galhati	213,214,216,217,218,232,234,286,237,	600	20	1.00	1.20	4240	732	4m-6m	48	16	120	732	2.0	11.3
22	Ambad	Zodegaon	Galhati	13,17,20,22,23,24,25,28,30,93,92,94,95,	1100	20	1.00	2.20	7774	396	4m-6m	56	30	220	396	2.0	10.13
23	Ambad	Sadesawangi	Dudhna	2,3	475	25	1.00	1.19	4196	908	4m-6m	48	16	95	908	2.0	12.51
24	Ambad	Revalgaon	Galhati	49,47,50,51,54	400	27	1.00	1.08	3816	308	4m-6m	36	15	80	308	2.0	7.63
25	Ambad	Bathan Khu	Dudhna	102,104,105,107,109 to 114, 119	600	17	1.00	1.02	3604	369	4m-6m	36	14	120	369	2.0	8.2

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

Name & Address of Allottee	District Mining Officer Jalna ,Jalna District, Jalna
Status of the lease	New, District Mining Officer Jalna ,Jalna District, Jalna
Mineral for which lessee intends to mine	Ordinary Sand for Construction purpose
Name & Address of the Prospecting Agency	Taluka level Technical Sub 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 10th June -30th Sept or as defined by district collector.

Executive summary Jalna Sand Ghats

- About 28-56 labours per sand 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, subabhul, Karanj, Gulmohar etc will be planted.

- Successful Bidder/ Sand Ghat Depot Contractor will implement the Environmental Management Plan for the amount as per Table 1.0 on his own on behalf of District Authority. **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 and amendments.**