

**EXECUTIVE SUMMARY ON
DRAFT ENVIRONMENTAL MANAGEMENT PLAN**

FOR

SAND GHATS

AT

JALNA DISTRICT

STATE – MAHARASHTRA

FOR PUBLIC HEARING FOR 27 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

JULY 2025

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 08.04.2025 and amendments if any . Total 27 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 Forest, B.D.O. 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	Village	Taluka	Name of River	Nearest Gut No	Length in m	Breadth in m	Approved Depth in m	Area in Ha	Total Quantity in Brass	Quantity in Brass Year 2025-26	Quantity in Brass Year 2026-27	No of Labour	Haulage in m	Haulage Width in m	No. of Tractors Required	Plantation along river bank	No. of Trees along Haul Road	Water for dust suppression utility cum.
1	Mudergaon	Mudergaon	Ghansawangi	Godavari	115 ते 117, 121, 122, 129	450	50	1	2.25	7951	3975.5	3975.5	48	1075	4-6	16	90	1075	2
2	Antarvali Rathi	Antarvali Rathi	Ghansawangi	Dudhna	130,131,133,134	590	17	1	1.03	3544	1772	1772	35	1000	4-6	7	118	1000	2
3	Saskheda-Incha	Saskheda-Incha	Mantha	Purna	Saskheda- 4, 6, 7 Incha 111to 119	500	50	0.8	2.5	7067	3533.5	3533.5	48	735	4-6	14	100	735	2
4	Dudha Takalkhopa	Dudha Takalkhopa	Mantha	Purna	Dudha- 2 to11 Takalkhopa- 204, 235 ते 238, 242	350	30	0.8	1.05	2968	1484	1484	28	700	4-6	6	70	700	2
5	Takalkhopa Kirla	Takalkhopa Kirla	Mantha	Purna	Kirla- 40 to 43, 47 ,48, 50, 51 Takalkhopa- 40 to 44, 46 ,47, 50 to 58, 91to 97, 102, 360 , 281 to 284	650	50	0.8	3.25	9187	4593.5	4593.5	58	720	4-6	18	130	720	2
6	Kanadi Limbkheda	Kanadi Limbkheda	Mantha	Purna	Kanadi- 63 to 67, 96 to 100 Limbkheda- 4 to 20	500	50	1	2.5	8834	4417	4417	58	900	4-6	17	100	900	2
7	Kanadi Uswad 1	Kanadi Uswad 1	Mantha	Purna	Kanadi- 47, 41, 40, 39, 37, 36, 25, 23 Uswad- 319 to 323	400	60	1	2.4	8481	4240.5	4240.5	58	750	4-6	17	80	750	2
8	Devthana Uswad 1	Devthana Uswad 1	Mantha	Purna	Devthana- 275, 276, 273, 272, 265, 264, 263 Uswad- 387 to 389, 401, 402	300	50	1	1.5	5300	2650	2650	48	1430	4-6	11	60	1430	2
9	Devthana Uswad 2	Devthana Uswad 2	Mantha	Purna	Devthana- 251 to 253, 210, 212 to 218 Uswad- 403 to 405 , 407 Uswad Shivar Gaothan- 1 to 4	300	50	1	1.5	5300	2650	2650	48	840	4-6	11	60	840	2
10	Devthana Usvad Khorwad	Devthana Usvad Khorwad	Mantha	Purna	Devthana- 112 to 121 Uswad 49, 59 Khorwad - 56	300	40	1	1.2	4240	2120	2120	38	320	4-6	9	60	320	2
11	Bhuvan	Bhuvan	Mantha	Purna	Bhuvan- 1	500	30	0.8	1.5	4240	2120	2120	38	970	4-6	9	100	970	2
12	Waghala Bhuvan Pokhri Kendhali	Waghala Bhuvan Pokhri Kendhali	Mantha	Purna	Waghala- 218, 211, 210, 208, 180,179, 178 Bhuvan - 2 to19 Pokhri Ke- 142 to 145	600	50	0.8	3	8481	4240.5	4240.5	56	680	4-6	17	120	680	2
13	Waghala Kirla	Waghala Kirla	Mantha	Purna	Waghala-73 to 76, 80 to 86 Kirla- 32, 33, 35, 36, 37, 38, 16, 17, 154, 156	730	40	0.8	2.92	8254	4127	4127	56	860	4-6	16	146	860	2
14	Pimpalkhuta-Deulgaon Ugle	Pimpalkhuta-Deulgaon Ugle	Jafrabad	Dhamna	Pimpalkhuta- 86, 88, 97 Deulgaon Ugle- 204, 203, 201	450	23	0.8	1.04	2926	1463	1463	28	626	4-6	6	90	626	2

Executive summary Jalna Sand Ghats

15	Khadki-Borgaon Khadak	Khadi-Borgaon Khadak	Bhokardan	Girija	Khadki- 130 to 132, 143 to 145 Borgaon Khadak- 50, 49, 133, 132	520	30	0.8	1.56	4409	2204.5	2204.5	35	170	4-6	9	104	170	2
16	Nanja-Kathora Jainpur	Nanja-Kathora Jainpur	Bhokardan	Purna	Nanja- 29 to 31 Kathora Jainpur- 42, 47	520	35	1	1.82	6431	3215.5	3215.5	58	950	4-6	13	104	950	2
17	Khaparkheda	Khaparkheda	Bhokardan	Purna	29, 30, 33,35	650	20	1	1.3	4594	2297	2297	38	680	4-6	9	130	680	2
18	Merkheda	Merkheda	Bhokardan	Purna	30 to 34	300	40	1	1.2	4240	2120	2120	38	890	4-6	9	60	890	2
19	Pimpalgaon Sul	Pimpalgaon Sul	Bhokardan	Girija	02, 03, 07,08	450	25	0.8	1.125	3180	1590	1590	38	1590	4-6	7	90	1590	2
20	Amba	Amba	Partur	Dudhna	78,79,80,81	500	25	0.8	1.25	3534	1767	1767	38	720	4-6	7	100	720	2
21	Dolhara-Babultara	Dolhara-Babultara	Partur	Dudhna	Dolhara- 54,55,59,60,61,72 to 77 Babultara- 41 to 46	580	55	0.5	3.19	5636	2818	2818	58	1263	4-6	11	116	1263	2
22	Babai	Babai	Partur	Dudhna	Babai-46 to 49,44,52,54,166,55 to 64	550	55	0.5	3.025	5345	2672.5	2672.5	58	890	4-6	11	110	890	2
23	Bajar Vahegaon	Bajar Vahegaon	Badnapur	Sukna	260,261,262,275 to 282, 286	1100	10	1	1.1	3887	1943.5	1943.5	58	6219	4-6	8	220	6219	2
24	Nanegaon	Nanegaon	Badnapur	Sukna	17 to 21,26,28	1000	10	1	1	3534	1767	1767	38	256	4-6	7	200	256	2
25	Kadegaon	Kadegaon	Badnapur	Lahuki	128,181,180,175,179,173,149 155 to 164	445	80	1	3.56	12580	6290	6290	65	700	4-6	25	89	700	2
26	Warudi	Warudi	Badnapur	Lahuki	204,255,306,304,303,273,253,250,204, 307,308,309,311,314,199,195,188,190,104	300	60	2	1.8	12721	6360.5	6360.5	65	674	4-6	25	60	674	2
27	Manjargaon	Manjargaon	Badnapur	Dudhna	91,124,125,131,139,138,134,132,133,135,199, 201,203,204,212,213,215,216,221,222,223	900	15	1	1.35	4770	2385	2385	58	440	4-6	10	180	440	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	Not required as per new sand policy 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 36-78 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, subabul, 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 2025 and amendments.**