

**EXECUTIVE SUMMARY ON  
DRAFT ENVIRONMENTAL MANAGEMENT PLAN**

**FOR**

**SAND GHATS**

**AT**

**NANDED DISTRICT**

**STATE – MAHARASHTRA**

**FOR PUBLIC HEARING FOR 67 SAND GHATS**

**PROPONENT**

**DISTRICT MINING OFFICER, COLLECTOR OFFICE, NANDED**

**CONSULTANT**

**ENVIRO TECHNO CONSULT PRIVATE LIMITED**

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

**DECEMBER 2024**

*Executive summary Nanded Sand Ghats*

**Introduction :**

District Collector, Nanded intends to auction sand ghats and appointed District Mining Officer Nanded as project proponent as per sand mining guidelines dated 16.02.2024. Total 67 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.	Name of Sand Ghat	Name of Village	Name of Taluka	Name of River	Nearest Survey No.	Length x Breadth x Approved depth in mtr.	Length in m	Width in m	Approved depth in m	Area in Ha.	Quantity of Sand Brass	Length of Approach Road in m	No. of Workers	No. of Tractors	No. of Trees along Bank	No. of Trees along village Road	EMP cost in Rs. Lakhs	Water Requirement in cum/day
1	Pimpri	Pimpri	Himayatnagar	Painganga	49/1, 49/2, 50, 1/1, 4, 5	200x50x0.50	200	50	0.50	1.00	1767	683	28	7	40	683	9.64	2
2	Virvani	Virvani	Himayatnagar	Painganga	88/1, 88/2	155x65x0.50	155	65	0.50	1.01	1780	2204	28	7	31	2204	23.11	2
3	Renapur be.	Renapur be.	Himayatnagar	Painganga	80, 81	230x45x0.50	230	45	0.50	1.04	1829	894	28	7	46	894	11.09	2
4	Dolhari	Dolhari	Himayatnagar	Painganga	131, 132, 136, 137, 138, 140	225x45x0.50	225	45	0.50	1.01	1789	448	28	7	45	448	8.02	2
5	Bundali be.	Bundali be.	Himayatnagar	Painganga	39, 40, 41, 42, 49, 50	250x45x0.50	250	45	0.50	1.13	1988	1594	28	8	50	1594	16.19	2
6	Kamari	Kamari	Himayatnagar	Lakhadi	181, 182, 183, 184, 191	350x30x0.50	350	30	0.50	1.05	1855	983	28	7	70	983	11.44	2
7	Dighi	Dighi	Himayatnagar	Painganga	12/1, 13/1	200x55x0.50	200	55	0.50	1.10	1943	899	28	7	40	899	11.07	2
8	Gharapur	Gharapur	Himayatnagar	Painganga	72, 73, 74, 76	250x50x0.50	250	50	0.50	1.25	2208	779	28	8	50	779	10.3	2
9	Dhanora (J.)	Dhanora (J.)	Himayatnagar	Painganga	74, 75, 76, 78	210x50x0.50	210	50	0.50	1.05	1855	1470	28	7	42	1470	15.07	2
10	Palaspur	Palaspur	Himayatnagar	Painganga	82, 83, 85, 89, 97	250x40x0.50	250	40	0.50	1.00	1767	1500	28	7	50	1500	15.4	2
11	Sirpalli (J.)	Sirpalli (J.)	Himayatnagar	Painganga	138, 140, 141, 142, 143, 150, 151, 152	250x40x0.50	250	40	0.50	1.00	1767	378	28	7	50	378	7.59	2
12	Kautha ja	Kautha ja	Himayatnagar	Painganga	(43,48,49,50)	250x40x0.60	250	40	0.60	1.00	2120	750	28	8	50	750	10.24	2
13	Tamloor	Tamloor	Degloor	Lendi	222, 226, 257, 258, 303, 301, 263, 264, 265	765x35x0.50	765	35	0.50	2.68	4731	1700	38	18	153	1700	19.5	2
14	Shewala-1	Shewala	Degloor	Manjara	354, 355, 356	200x120x0.50	200	120	0.50	2.40	4240	2734	38	16	40	2734	25.83	2
15	Shewala-2	Shewala	Degloor	Manjara	357, 358, 90	250x70x0.50	250	70	0.50	1.75	3092	2356	38	12	50	2356	30.3	2
16	Shewala-3	Shewala	Degloor	Manjara	91, 92, 352	280x60x0.50	280	60	0.50	1.68	2968	2010	28	11	56	2010	21.42	2
17	Shelgaon-1	Shelgaon	Degloor	Manjara	(39,40,44)	315x100x0.50	315	100	0.50	3.15	5565	1863	48	21	63	1863	19.77	2
18	Shelgaon-2	Shelgaon	Degloor	Manjara	66	210x60x0.50	210	60	0.50	1.26	2226	1850	28	9	42	1850	19.85	2
19	Shekthapur	Shekthapur	Degloor	Manjara	(21, 22, 23, 27)	424x90x0.50	424	90	0.50	3.82	6742	2218	48	26	84.8	2218	22.06	2
20	Shelgaon-3	Shelgaon	Degloor	Manjara	(67,68)	300x50x0.50	300	50	0.50	1.50	2650	1900	28	10	60	1900	20.12	2
21	Shelgaon-4	Shelgaon	Degloor	Manjara	106,107	470x100x0.50	470	100	0.50	4.70	8304	2120	68	32	94	2120	21.24	2
22	Sangviumar	Sangviumar	Degloor	Lendi	25, 26, 27, 28, 38, 142, 143	470x35x0.50	420	35	0.50	1.47	2597	640	28	10	84	640	10.14	2
23	Medankallur	Medankallur	Degloor	Lendi	82, 83, 84, 225, 226, 228	550x35x0.50	550	35	0.50	1.93	3401	1900	38	13	110	1900	20.14	2
24	Gorlegaon-2	Gorlegao	Hadgaon	Painganga	133, 134, 135, 136	400x25x0.50	400	25	0.50	1.00	1767	1009	28	7	80	1009	14.01	2
25	Belmandal	Belmandal	Hadgaon	Painganga	1, 5, 6, 6/1, 6/2, 6/3, 9	550x20x0.50	550	20	0.50	1.10	1943	1780	28	7	110	1780	18.14	2
26	Gurfali-1	Gurfali	Hadgaon	Painganga	5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19	500x20x0.50	500	20	0.50	1.00	1767	837	28	7	100	837	11.54	2
27	Sapti	Sapti	Hadgaon	Painganga	382, 383, 384, 385, 386	500x20x0.50	500	20	0.50	1.00	1767	900	28	7	100	900	8.7	2
28	Manula Bu.	Manula Bu.	Hadgaon	Painganga	308 to 313	500x20x0.50	500	20	0.50	1.00	1767	300	28	7	100	300	3.97	2
29	Chendkapur	Chendkapur	Hadgaon	Kayadhu	(50,51,1,2)	400x25x0.40	400	25	0.50	1.00	1767	750	28	7	80	750	9.1	2
30	Borgaon Ha.	Borgaon Ha.	Hadgaon	Kayadhu	66, 314, 315, 316	350x30x2.50	350	30	0.50	1.05	1855	800	28	7	70	800	10.4	2
31	Hastara	Hastara	Hadgaon	Kayadhu	168,169,170,171,172	500x20x2.30	500	20	0.50	1.00	1767	650	28	7	100	650	11.9	2
32	Gurfali-2	Gurfali	Hadgaon	Painganga	26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36	600x20x0.50	600	20	0.50	1.20	2120	2407	28	8	120	2407	22	2
33	Banchicholi	Banchicholi	Hadgaon	Painganga	139/1/A,139/B, 139/3, 140/A, 144	500x20x0.50	500	20	0.50	1.00	1767	2048	28	7	100	2048	20	2
34	Gorlegaon-1	Gorlegaon	Hadgaon	Painganga	1/3, 1/4, 2/4, 3/1, 4	350x30x0.50	350	30	0.50	1.05	1855	1529	28	7	70	1529	16.31	2
35	Bhabali	Bhabali	Hadgaon	Painganga	42, 43, 45, 46, 66, 67, 68, 69, 70	400x25x0.50	400	25	0.50	1.00	1767	1529	28	7	80	1529	16.31	2



36	Sagrolli-1	Sagrolli	Manjara	361, 362	210x100x0.80	210	100	0.80	2.10	5936	819	38	23	42	819	10.92	2
37	Sagrolli-2	Sagrolli	Manjara	451, 457, 459, 460	400x100x0.80	400	100	0.80	4.00	11307	1312	68	43	80	1312	14.63	2
38	Sagrolli-3	Sagrolli	Manjara	334, 335	450x100x0.80	450	100	0.80	4.50	12721	1106	68	49	90	1106	12.9	2
39	Yesgi-1	Yesagi	Manjara	230	110x160x0.90	110	160	0.90	1.76	5597	2447	68	22	22	2447	22.7	2
40	Yesgi-2	Yesagi	Manjara	229, 230	250 x120 x0.80	250	120	0.80	3.00	8481	2440	68	33	50	2440	22.57	2
41	Yesgi-3	Yesagi	Manjara	233 Center Side	250 x120 x0.80	250	120	0.80	3.00	8481	2209	68	33	50	2209	23.09	2
42	Yesgi-7	Yesagi	Manjara	233 East	130 x120 x0.75	130	120	0.75	1.56	4134	2509	48	16	26	2509	22.88	2
43	Bolegaon-1	Bolegaon	Manjara	288 Center Side	300 x150 x0.80	300	150	0.80	4.50	12721	1023	68	49	60	1023	12.59	2
44	Bolegaon-3	Bolegaon	Manjara	320 West Side	300 x150 x0.80	300	150	0.80	4.50	12721	559	68	49	60	559	10.18	2
45	Ganigaon-1	Ganigaon	Manjara	213	200 x90 x0.80	200	90	0.80	1.80	5088	3400	48	20	40	3400	25.35	2
46	Ganigaon-2	Ganigaon	Manjara	239, 240	250 x100 x0.80	250	100	0.80	2.50	7067	3400	68	27	50	3400	29.15	2
47	Ganigaon-3	Ganigaon	Manjara	297, 299	210 x100 x0.80	210	100	0.80	2.10	5936	2800	58	23	42	2800	25.21	2
48	Ganigaon-4	Ganigaon	Manjara	283, 297	239x100x0.70	239	100	0.70	2.39	5912	2800	58	23	47.8	2800	25.61	2
49	Ganigaon-5	Ganigaon	Manjara	325, 326, 354	350x100x0.80	350	100	0.80	3.50	9894	2800	68	38	70	2800	25.75	2
50	Ganigaon-10	Ganigaon	Manjara	358	130x100x0.75	130	100	0.75	1.30	3445	3157	38	13	26	3157	27.99	2
51	Karla bu.-1	Karla Bu.	Manjara	147, 161	240x100x0.50	240	100	0.50	2.40	4240	1695	48	16	48	1695	17.39	2
52	Karla bu.-1/1	Karla Bu.	Manjara	161	250x100x0.50	250	100	0.50	2.50	4417	1695	48	17	50	1695	17.47	2
53	Karla bu.-3	Karla Bu.	Manjara	100, 101, 109	350x110x1.00	350	110	1.00	3.85	13604	1500	68	52	70	1500	16.8	2
54	Machnoor-1	Machnoor	Manjara	14	200x120x0.80	200	120	0.80	2.40	6784	3580	58	26	40	3580	31.01	2
55	Machnoor-2	Machnoor	Manjara	28, 29, 30, 31	380x130x0.80	380	130	0.80	4.94	13965	3580	68	54	76	3580	30.09	2
56	Machnoor-3	Machnoor	Manjara	15 East Side	230x100x0.70	230	100	0.70	2.30	5689	3580	58	22	46	3580	31.09	2
57	Machnoor-5	Machnoor	Manjara	52	275x80x0.80	275	80	0.80	2.20	6219	2400	68	24	55	2400	22.88	2
58	Machnoor-8	Machnoor	Manjara	52 West	310x80x0.70	310	80	0.70	2.48	6134	1434	68	24	62	1434	16.35	2
59	Nagani-1	Nagni	Manjara	121, 122	180x120x0.50	180	120	0.50	2.16	3816	1677	38	15	36	1677	17.01	2
60	Nagani-2	Nagni	Manjara	123,124,125	170x120x0.50	170	120	0.50	2.04	3604	1677	38	14	34	1677	16.96	2
61	Hungunda	Hungunda	Manjara	352,211	295x150x0.80	295	150	0.80	4.43	12509	1775	68	48	59	1775	18.27	2
62	Takali	Takali	Painganga	7, 8, 9, 83, 84, 85, 86, 87	250x50x0.50	250	50	0.50	1.25	2208	512	28	8	50	512	8.69	2
63	Sayfal	Sayfal	Painganga	2, 4, 5, 6	300x35x0.75	300	35	0.75	1.05	2783	2825	28	11	60	2825	25.18	2
64	Ner	Ner	Painganga	7, 8	250x50x0.50	250	50	0.50	1.25	2208	365	28	8	50	365	4.87	2
65	Digdli Ku.	Digdli Ku.	Painganga	8, 58/A	250x50x0.50	150	50	0.50	0.75	1325	440	28	5	30	440	4.55	2
66	Padsa	Padsa	Painganga	225, 226, 229, 230, 231	300x35x1.00	300	35	1.00	1.05	3710	370	38	14	60	370	4.75	2
67	Lanji	Lanji	Painganga	15, 16, 17, 78, 79	250x50x0.50	250	50	0.50	1.25	2208	2237	28	8	50	2237	20.77	2



*Executive summary Nanded Sand Ghats*

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

Name & Address of Allottee	District Mining Officer Nanded / Successful Bidder /Sand Depot allottee Nanded District, Nanded
Status of the lease	New, Individual/ Project Proponent/Successful Bidder/Sand Depot allottee for auction of sand ghat by District Collector Nanded.
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	Not required as per State 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 10<sup>th</sup> June -30<sup>th</sup> Sept or as defined by district collector.



**Executive summary Nanded Sand Ghats**

- About 28-68 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>

**Executive summary Nanded Sand Ghats**

			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.

- Successful Bidder/ Sand Ghat allottee /Sand Depot allottee will implement the Environmental Management Plan for the amount as per Table 1.0 on his own.

Successful Bidder/ Sand Ghat allottee /Sand Depot allottee will submit compliance to terms of conditions stipulated in the prior environmental clearance to the District Mining Officer and



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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 2024.**



