

Executive Summary on Environment Management Plan

For

Sand Ghats

At

Nagpur District, State Maharashtra

For

Public Hearing for 22 Sand Ghats

Project Proponent

District Mining Officer, Collector Office, Nagpur

Environment Consultant

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1. Introduction:

District Collector, Nagpur intends to auction sand ghats and appointed District Mining Officer, Nagpur as project proponent as per Sand Mining Guidelines dated 19th April 2023. Total 22 sand ghats are identified by Taluka level sand monitoring committee chaired by Tehsildar and Dy. Engineer, Irrigation and Junior Geologist, Directorate of Geology and Mining, Junior Geologist G.S.DA., representative of Maharashtra Pollution Control Board for scoping of sand by manual method.

List of Sand ghats proposed for auction prior Environment Clearance are as given below in Table no. 1.0:

Table 1.0 Details of Sand Ghats

Sr No	Name of Village	Taluka	Nearest Gut. No.	Name of River/ Stream	Dimension of sand Gat in Cum			Area of Sand Ghat in Ha	Sand Proposed for scoping in Brass	Width of approach road	Length of approach Road	No. of workers	No. of Tractors	No. of trees along bank & transportation road	Water requirement in cum/ day	EMP cost in Rs.
					L	W	D									
1.	Mouda (Chikna Ghat)	Mauda	Juna S.No. 542,541 and 543 part	Kanhan	590	65	0.90	3.83	12196	3-6 m	780 m	15	5	750	2.5	₹ 3,34,860
2.	Mohkhedi	Mauda	S.No. 116, 117, 118 part	Kanhan	490	100	0.90	4.9	15583	3-6 m	141 m	15	5	352	3	₹ 8,31,060
3.	Mahalgaon-A	Mauda	S.No. 261 part Pimpalgaon, 23 part, 24, 25, 26 part	Sur	380	60	0.40	2.28	4028	3-6 m	444 m	15	5	620	3	₹ 1,20,840
4.	Mahalgaon-B	Mauda	S.No. 373, 368, 387 adjacent part	Sur	275	70	0.40	1.92	3401	3-6 m	171 m	15	5	285	3	₹ 2,04,060
5.	Dahadi	Mauda	S.No. 107 part, 108, 120, 110, 111	Kanhan	350	30	0.50	1.05	1855	3-6 m	382 m	15	5	441	3	₹ 55,690
6.	Yesamba	Parseoni	S.No. 207 part	Pench	302	35	0.80	1.057	2987	3-6 m	168 m	15	5	384	2.5	₹ 2,04,040
7.	Juni Kamptee (Gadeghat)	Parseoni	S.No. 230 part 241/2 part	Kanhan	400	90	0.90	3.60	11448	3-6 m	131 m	15	5	365	2.5	₹ 3,39,190
8.	Palora	Parseoni	S.No. 102 part, 99, 43 part	Pench	400	60	1.30	2.40	11024	3-6 m	949 m	15	5	725	2.5	₹ 2,54,400
9.	Singardip	Parseoni	S.No. part 81/1, 81/2, 82	Kanhan	460	75	0.90	3.45	10971	3-6 m	118 m	15	5	309	2.5	₹ 5,24,700

10.	Pipla	Parseoni	S.No. 353 part, 354 part	Pench	255	95	1.50	2.42	12840	3-6 m	201 m	15	5	400	2.5	₹ 3,69,180
11.	Waghoda	Parseoni	S.No. 127 part	Pench	410	120	1.50	4.92	26077	3-6 m	405 m	15	5	325	2.5	₹ 10,43,100
12.	Saholi-B	Parseoni	S.No. 104 part, 108/2, 109/2, 110/2, 112/3, 113/2, 115/2, 116/2 part	Kanhan	500	50	0.8	2.50	7067	3-6 m	282 m	15	5	540	2.5	₹ 1,37,340
13.	Nayakund	Parseoni	34-part, 33	Pench	360	45	0.60	1.62	3434	3-6 m	76.5 m	15	5	390	2.5	₹ 2,06,040
14.	Pardi K	Parseoni	153, 146 part	Kanhan	450	100	0.80	4.5	12720	3-6 m	249 m	15	5	425	2.5	₹ 8,58,600
15.	Saholi-A	Parseoni	S.No. 15 part, 16, 17, 18	Kanhan	400	40	0.60	1.60	3392	3-6 m	259 m	15	5	325	2.5	₹ 1,69,560
16.	Bina	Kamptee	53 part, 56, 57/1, 57/2 part	Kanhan	490	100	0.70	4.90	12120	3-6 m	433 m	15	5	810	2.5	₹ 10,38,840
17.	Neri	Kamptee	S.No. 217, 219, 220, 221, 223, 224 part	Kanhan	565	86	1	4.85	17169	3-6 m	438 m	15	5	810	2.5	₹ 9,30,001
18.	Chikna-A	Kamptee	S.No 9, 10, 11	Kanhan	500	64	0.9	3.20	10176	3-6 m	509 m	15	5	550	2.5	₹ 4,22,000
19.	Gosewadi - A	Saoner	S.No. 285, 286, 287 part	Kanhan	480	100	0.50	4.8	8480	3-6 m	125 m	15	5	325	2.5	₹ 8,14,080
20.	Khapapeth	Saoner	S.No. 284 Part	Kanhan	500	75	0.50	3.75	6625	3-6 m	163 m	15	5	430	2.5	₹ 4,77,000
21.	Raiwadi	Saoner	S.No. 190	Kanhan	300	75	0.50	2.25	3975	3-6 m	187 m	15	5	540	2.5	₹ 3,81,600
22.	Tembhurdoh	Saoner	S.No. 279, 274 & old	Kanhan	300	60	0.50	1.8	3180	3-6 m	214 m	15	5	500	2.5	₹ 3,05,280

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Status of Statuary Clearances for Sand Ghat

The status of Statuary Clearances for Sand Ghat is given below in Table no .2.0

Table 2.0: Status of Statuary Clearances for Sand Ghat

S. No	Particulars	Details
1	Name and address of Allottee	District Mining Officer, Nagpur
2	Status of lease	New
3	Mineral for which lessee intends to mine	River bed sand
4	Name and Address of Prospecting Agency	Taluka Level Technical Committee chaired by Tehsildar and Dy. Engineer Irrigation, Junior Geologist, Directorate of Geology and Mining, Junior Geologist G.S.DA., representative of Maharashtra Pollution Control Board.
5	Gram Panchayat NOC	Received from Gram Panchayat as per Sand Mining Policy of Maharashtra State
6	Plan Period for activity	Upto one year from the date of allocation of Sand ghat or upto scoping of Allotted /Permitted quantity mined out which ever is earlier excluding stipulated monsoon period between 10 June to 30 September.

METHOD OF MINING

The mining will be manual opencast mining method of scoping using simple tool like spade/pawada.

- a. Overburden/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 the 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 September or as defined by District Collector.
- f. About 13 labours per ghat will be required

- g. The site services will be provided by allottee/Successful Bidder, Office, First Aid and Rest Shelter will be temporarily constructed 20 m away from the bank of river.
- h. Applied area for sand extraction is covered by dark basalt and which has been derived /transported from basalt of surrounding flat and well tilled area. The sand of the applied area is found to be underlain by dark basalt of river bed.

1. Anticipated Environment Impacts and Management Plan

- **Air**

A summary of Air Pollution control measures is given below:

Details	Management Plan
Air Pollution	<ul style="list-style-type: none"> • Water Sprinkling of approach roads upto 1.00 km will be done for dust suppression • Speed of the tractors will be within limits • Road maintenance will be done regularly • Compaction of roads will be done • Sand will be transported by tractor trolleys covered with tarpaulin sheets • Tractor trolleys will not be overloaded
Noise Pollution	<ul style="list-style-type: none"> • Ear muffs and ear plugs will be provided to labours • Heavy noise generating machines will not be deployed other than tractor trolleys • Tractor engines will be shut down while loading • Greenbelt shall be developed to attenuate noise generation
Water Pollution	<ul style="list-style-type: none"> • Mining activity will be closed during the monsoon, so that replenishment of sand can take place • Mobile toilets will be provided at mine site for labours • Sand mining will be carried out in dry river bed only. • Waste material like polythene bag, jute bag, etc. will not be allowed to remain/spill in river bed
Land Environment	<ul style="list-style-type: none"> • Minimum safe distance of 3 m or 1/10th of the width of the river shall be kept from both sides of the bank to avoid erosion • Depth of mining will be maximum 1.5 m depending upon availability of sand.
Biological Environment	<ul style="list-style-type: none"> • Since the mining activity will be done of dry bed, hence

Details	Management Plan
	there will not be any impact on biological environment
Socio Economic Environment	<ul style="list-style-type: none"> • Employment generation due to this mining activity and local villagers will be given priority.
Waste/Overburden Management	<ul style="list-style-type: none"> • There will not be any generation of waste or overburden due to this mining activity

OCCUPATIONAL HEALTH AND SERVICES

A summary of Occupational Health and Services is given below:

- Labour will be provided with Personal Protective Equipments like safety helmet, ear plugs, ear muffs, gum boot, facemasks etc
- Facemasks shall be provided for protection from dust
- Drinking water and toilet facility shall be provided to labours
- First aid kit shall be made available in mining area
- Mobile toilets shall be provided for the labours
- Dust bins shall be provided for waste collection and disposed by the local authorities

PLANTATION PROGRAMME

- a. It is proposed to plant local species during monsoon period along the bank of river and village roads.
- b. List of species proposed for greenbelt development plantation are Neem, Peepal, Banyan tree
- c. Local Species of atleast 500 no of trees will be planted with c/c distance of 2 m

Location of greenbelt	Both sides of approach road, On the river banks of the sand spot & nearby open areas. Haul Road outside riverbed
No. of plants to be planted	500 Per Hectare
Spacing of plants	2 m grid interval
Species selected	Native species

BENEFITS OF THE PROJECT

- Scientific method of mining will restrict water from spreading on agriculture land and in nearby habitation creating flood situation
- Government will be benefitted in the form of Royalty due to the mining activity
- Employment will be generated for local villagers due to mining
- This will help in stopping of illegal mining in the market
- Around 13 to 15 people of local area will get the employment due to this project

Successful Bidder/Sand ghat allottee will submit compliance to terms of conditions stipulated in the prior Environment Clearance to the District Mining officer and respective Tehsildars with the expense made on implementation of EMP.

District Mining officer/Respective Tehsildar will monitor the implementation of approved Environment Management Plan along with District Level Committee headed by District Collector as stipulated in Sand Mining rules 2019.