

**Proposed Deulgaon Sand Ghat Project of Area 1.05 Hectare At Village- Deulgaon, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

**EXECUTIVE SUMMARY**

This Report has been prepared for the proposed sand ghat over the area of 1.05 ha at River Khairi adjoining Gut. No 98, 99, 101, 102, 375, 376, 168 to 172 Mouza: Deulgaon Tehsil: Paranda, District: Osmanabad, Maharashtra in accordance with the Notification of MoEF S.O. 1533 dated 14th September 2006. The Ministry of Environment, Forest and Climate Change amended Principal Notification vide 141(E) dated 15th January 2016 and included Minor Minerals from 0 ha to 50 ha in the Principal Notification S.O. 1533 (E) dated 14.09.2006. Central Government made further amendments to the notification vide S.O. 2269(E) dated 01.07.2016. In obedience all relevant notifications to the principal Notification dated 14th September 2006, application for the excavation of sand ghat from proposed sand ghat is being submitted to SEIAA/SEAC, Maharashtra.

Sand is one of the most sought building materials for the construction purpose. Since Sand has hard texture and durability. It is used chiefly for construction, pavement of roads and imperviousness to moisture and acid. Sand is a perfect countertop material.

The mining for this sand ghat excavation is proposed to be carried out manually with opencast method of mining engaging labours with help of crow bars, hand shovel, pick axes and baskets. Loading will be carried out manually and transportation of mineral from the sand ghat to the depot by tractor with tipper arrangement. As the mineral is soft & loose in nature, drilling and blasting are not required. The proposed sand ghat area is located at Survey of India

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure Plan. In order to obtain environmental clearance as per the EIA Notification 2006 the Pre feasibility Report (PFR) is submitted along with the application Form I M for the project under consideration. The project is categorized as Category B2 vide Notification 141 (E) dated 15th January 2016.

**Table: Salient Features of the Project Site**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>A.</b>	<b>Nature of the Project</b>	Proposed Deulgaon sand ghat (Minor Mineral)
<b>B.</b>	<b>Size of the Project</b>	
1.	Quarry Area	1.05 ha
2.	Proposed Production capacity	3710 Brass/Annum

**Proposed Deulgaon Sand Ghat Project of Area 1.05 Hectare At Village- Deulgaon, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

<b>C</b>		<b>Location Details</b>		
1.	Village	Deulgaon		
2.	Tehsil	Paranda		
3.	District	Osmanabad		
4.	State	Maharashtra		
5.	Latitude & Longitude	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		B.P 1	18° 25'56.80"N	75°20' 53.83"E
		B.P 2	18° 25'57.89"N	75°20'59.37"E
		B.P 3	18° 25'59.72"N	75°20'57.94"E
		B.P 4	18° 25'39.45"N	75°20'42.20"E
6.	Toposheet No.	47 N/7		
<b>D</b>		<b>Environmental Settings of the Area</b>		
1.	River / water body	The quarry area is itself part of water body i.e. River-Khairi		
2.	Nearest Town / City/Village	Nearest Village: Deulgaon is at a distance of 0.60 Km towards South from the Mining area.		
3.	Nearest Railway Station	The nearest railway station is located Jeur Railway Station, 7.50 Km away towards SW from ML		
4.	Nearest Airport	Pune Airport, 155.20 km away towards North		
5.	State Boundary	No State boundary passes through the project site		
6.	Seismic Zone	Zone – II (Moderate)  This is said to be the Moderate Seismic Zone.		
<b>D</b>		<b>Cost Details</b>		
1.	Total Upset	Rs. 16487240/-		

**Proposed Deulgaon Sand Ghat Project of Area 1.05 Hectare At Village- Deulgaon, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

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	Price	
E	Requirements of The Project	
1.	Proposed Water Requirement	3.20 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	13 (Skilled and unskilled persons)

**AVAILABILITY OF WATER & ITS SOURCE**

The daily water demand for the proposed project is 3.20 KLD. It will be procured from the supply source of Village- Deulgaon. The detailed breakup of the water requirement is given below.

**Table: Water Demand**

<b>S. No.</b>	<b>Particulars</b>	<b>Quantity (KLD)</b>
1.	Domestic Purpose	0.60
2.	Dust Suppression / Water Sprinkling	0.60
3.	Green belt / Plantation	2.0
<b>Total</b>		<b>3.20</b>

Proposed Deulgaon Sand Ghat Project of Area 1.05 Hectare At Village- Deulgaon, Tehsil- Paranda, District-Osmanabad (Maharashtra)

*Executive Summary*

**ENVIRONMENT MANAGEMENT PLAN**

<b>S. No.</b>	<b>Environmental Parameter</b>	<b>Activities</b>	<b>Predict Impact</b>	<b>EMP/Mitigation Measures</b>
1.	Water	Mining or extraction of sand	<p>Change in flow pattern</p> <p>Increase in depth may increase the flow velocity</p> <p>Change in surface water quality and ground water quality</p> <p>Waste water discharge</p>	<p>No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime.</p> <p>Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.</p> <p>Portable toilets will be used; hence no sewage/ liquid effluent will be generated.</p>
2.	Air	<p>Mining Activity, transportation of sand via vehicles or tractor movement</p> <p>Loading and unloading of mineral</p>	<p>Generation of fugitive dust may lead to Adverse effect of human health</p> <p>Stomatal index may be minimized due to dust deposit on leaf.</p>	<p>Green belt shall be developed within the premises as per CPCB guideline.</p> <p>Dust mask will be provided to the workers engaged.</p> <p>Regular water sprinkling on unpaved road.</p> <p>Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers.</p> <p>The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.</p>
3.	Noise	Traffic on nearby	Noise generation due to vehicular	Periodical monitoring of noise will be

**Proposed Deulgaon Sand Ghat Project of Area 1.05 Hectare At Village- Deulgaon, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

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		road to mining site.	traffic and mining activity	<p>done.</p> <p>No other equipments except the transportation vehicles will be allowed.</p> <p>Proper maintenance of vehicles and their silencers to minimize vibration and sound.</p> <p>Ear muffs will be provided to workers.</p> <p>Development of effective greenbelt which shall help in noise attenuation.</p> <p>Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling.</p> <p>Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.</p>
4.	Land	Mining or extraction of sand and transportation	<p>Damage of river bank due to access ramps to river bed, may cause soil erosion.</p> <p>Destruction of river bank interland and ecological due to extraction of sand.</p> <p>Surface degradation due to road network</p>	<p>Safety distance of 3m or 1/4th of the width of the river whichever is more will be left from both the bank of the river (as per "Sustainable Sand Mining Guidelines").</p> <p>Mining will not exceeds beyond the allowed extraction capacity.</p> <p>Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.</p>
5.	Ecology	Extraction of sand	Short-term disturbance of	The green belt/community forestry near river bank and approach road

**Proposed Deulgaon Sand Ghat Project of Area 1.05 Hectare At Village- Deulgaon, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

		and transportation	habitats disturbance of wildlife populations from noise  Ecological impact surrounding habitat	will restrict the fugitive emission.
6.	Traffic Pattern	Increase of vehicular traffic	Traffic due to people coming to visit	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the project.

**PROVISION FOR CORPORATE SOCIAL RESPONSIBILITY (CSR)**

The CSR activities in the proposed project are according with the sand mining policy 03.09.2019

As per the sand mining policy it is proposed to give an amount of 25% depends upon cost excluding royalty from the lessee action value. The amount paid to the Gram Panchayat of the concerned village is to be spending on expenditure on school and Anganbadi repairs, making of ponds and other necessary works as per the Gram Panchayat. The said amount is payable to the panchayat if the sand ghat is actioned and excavation took place successfully

**FUND PROVISION FOR EMP**

Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures:

S. No.	Particulars/Items	Control Measures	Amount (In Rs.)
1.	Dust generation due to transportation material by. of tractor trolley & transportation of mineral	Environmental Baseline Monitoring (Air, Water, Noise etc.)	45,000/-
		Water Sprinkling	35,000/-
		Sand carrying trolleys will be Covered with Tarpaulin	10000/-
2.	Road and River bank maintenance	Proper Maintenance of Haul road	1,00,000/-
3.	Green Belt Development	Along River Bank	1,38,600/-

**Proposed Deulgaon Sand Ghat Project of Area 1.05 Hectare At Village- Deulgaon,  
Tehsil- Paranda, District-Osmanabad (Maharashtra)**

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	(Rs. 400 per tree)	Along haul road	
4.	Security	Display Boards and other security measures (CCTV, Fencing etc)	40,000/-
5.	Occupational Health	Provision of PPE Kits and Periodic health check-up, Temporary Shed, Mobile toilet etc.	1,37,250/-
<b>Total</b>			<b>Rs. 5,05,850/-</b>

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**Proposed Dhangpinari Sand Ghat Project of Area 1.04 Hectare At Village-  
Dhangpinari Tehsil- Paranda, District-Osmanabad(Maharashtra)**

**Executive Summary**

**EXECUTIVE SUMMARY**

This Report has been prepared for the proposed sand ghat over the area of 1.05 ha at River Chandani adjoining Gut. No 196, 197, 201, 202, 203 to 221, 240, 239, 238, 237 to 212, 06 to 45, 382 to 418 Mouza: Dhangpinari, Tehsil: Paranda, District: Osmanabad, Maharashtra in accordance with the Notification of MoEF S.O. 1533 dated 14th September 2006. The Ministry of Environment, Forest and Climate Change amended Principal Notification vide 141(E) dated 15th January 2016 and included Minor Minerals from 0 ha to 50 ha in the Principal Notification S.O. 1533 (E) dated 14.09.2006. Central Government made further amendments to the notification vide S.O. 2269(E) dated 01.07.2016. In obedience all relevant notifications to the principal Notification dated 14th September 2006, application for the excavation of sand ghat from proposed sand ghat is being submitted to SEIAA/SEAC, Maharashtra.

Sand is one of the most sought building materials for the construction purpose. Since Sand has hard texture and durability. It is used chiefly for construction, pavement of roads and imperviousness to moisture and acid. Sand is a perfect countertop material.

The mining for this sand ghat excavation is proposed to be carried out manually with opencast method of mining engaging labours with help of crow bars, hand shovel, pick axes and baskets. Loading will be carried out manually and transportation of mineral from the sand ghat to the depot by tractor with tipper arrangement. As the mineral is soft & loose in nature, drilling and blasting are not required. The proposed sand ghat area is located at Survey of India

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure Plan. In order to obtain environmental clearance as per the EIA Notification 2006 the Pre feasibility Report (PFR) is submitted along with the application Form I M for the project under consideration. The project is categorized as Category B2 vide Notification 141 (E) dated 15th January 2016.

**Table: Salient Features of the Project Site**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>A.</b>	<b>Nature of the Project</b>	Proposed Dhangpinari sand ghat quarry (Minor Mineral)
<b>B.</b>	<b>Size of the Project</b>	
1.	Quarry Area	1.20 ha
2.	Proposed Production capacity	2120 Brass/Annum



**Proposed Dhangpinari Sand Ghat Project of Area 1.04 Hectare At Village-  
Dhangpinari Tehsil- Paranda, District-Osmanabad(Maharashtra)**

**Executive Summary**

<b>C</b>		<b>Location Details</b>		
1.	Village	Dhangpinari		
2.	Tehsil	Paranda		
3.	District	Osmanabad		
4.	State	Maharashtra		
5.	Latitude & Longitude	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		B.P 1	18° 28'11.37"N	75°20' 28.62"E
		B.P 2	18° 28'18.56"N	75°20'27.94"E
		B.P 3	18° 28'18.72"N	75°20'25.85"E
		B.P 4	18° 28'08.56"N	75°20'27.08"E
6.	Toposheet No.	47N/7		
<b>D</b>		<b>Environmental Settings of the Area</b>		
1.	River / water body	The quarry area is itself part of water body i.e. River- Chandani		
2.	Nearest Town / City/Village	Nearest Village:Dhangpinari .at a distance of 0.40 Km towards WE from the Mining area.		
3.	Nearest Railway Station	The nearest railway station is located juer Railway Station, 17.10 Km away towards North from ML		
4.	Nearest Airport	Pune Airport, 150.18 km away towards North		
5.	State Boundary	No State boundary passes through the project site		
6.	Seismic Zone	Zone – II (Moderate)  This is said to be the Moderate Seismic Zone.		
<b>D</b>		<b>Cost Details</b>		
1.	Total Upset	Rs 9421280/-		

**Proposed Dhangpinari Sand Ghat Project of Area 1.04 Hectare At Village-  
Dhangpinari Tehsil- Paranda, District-Osmanabad(Maharashtra)**

***Executive Summary***

	Price	
E	Requirements of The Project	
1.	Proposed Water Requirement	2.90 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	13 (Skilled and unskilled persons)

**AVAILABILITY OF WATER & ITS SOURCE**

The daily water demand for the proposed project is 2.90 KLD. It will be procured from the supply source of Village- Dhangpinari. The detailed breakup of the water requirement is given below.

**Table: Water Demand**

<b>S. No.</b>	<b>Particulars</b>	<b>Quantity (KLD)</b>
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	1.60
3.	Green belt / Plantation	1.00
<b>Total</b>		<b>2.90</b>

**Proposed Dhangpinari Sand Ghat Project of Area 1.04 Hectare At Village-Dhangpinari Tehsil- Paranda, District-Osmanabad(Maharashtra)**

**Executive Summary**

**ENVIRONMENT MANAGEMENT PLAN**

<b>S. No.</b>	<b>Environmental Parameter</b>	<b>Activities</b>	<b>Predict Impact</b>	<b>EMP/Mitigation Measures</b>
1.	Water	Mining or extraction of sand	<p>Change in flow pattern</p> <p>Increase in depth may increase the flow velocity</p> <p>Change in surface water quality and ground water quality</p> <p>Waste water discharge</p>	<p>No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime.</p> <p>Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.</p> <p>Portable toilets will be used; hence no sewage/ liquid effluent will be generated.</p>
2.	Air	<p>Mining Activity, transportation of sand via vehicles or tractor movement</p> <p>Loading and unloading of mineral</p>	<p>Generation of fugitive dust may lead to Adverse effect of human health</p> <p>Stomatal index may be minimized due to dust deposit on leaf.</p>	<p>Green belt shall be developed within the premises as per CPCB guideline.</p> <p>Dust mask will be provided to the workers engaged.</p> <p>Regular water sprinkling on unpaved road.</p> <p>Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers.</p> <p>The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.</p>
3.	Noise	Traffic on nearby	Noise generation due to vehicular	Periodical monitoring of noise will be

**Proposed Dhangpinari Sand Ghat Project of Area 1.04 Hectare At Village- Dhangpinari Tehsil- Paranda, District-Osmanabad(Maharashtra)**

***Executive Summary***

		road to mining site.	traffic and mining activity	<p>done.</p> <p>No other equipments except the transportation vehicles will be allowed.</p> <p>Proper maintenance of vehicles and their silencers to minimize vibration and sound.</p> <p>Ear muffs will be provided to workers.</p> <p>Development of effective greenbelt which shall help in noise attenuation.</p> <p>Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling.</p> <p>Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.</p>
4.	Land	Mining or extraction of sand and transportation	<p>Damage of river bank due to access ramps to river bed, may cause soil erosion.</p> <p>Destruction of river bank interland and ecological due to extraction of sand.</p> <p>Surface degradation due to road network</p>	<p>Safety distance of 3m or 1/4th of the width of the river whichever is more will be left from both the bank of the river (as per "Sustainable Sand Mining Guidelines").</p> <p>Mining will not exceeds beyond the allowed extraction capacity.</p> <p>Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.</p>
5.	Ecology	Extraction of sand	Short-term disturbance of	The green belt/community forestry near river bank and approach road

**Proposed Dhangpinari Sand Ghat Project of Area 1.04 Hectare At Village- Dhangpinari Tehsil- Paranda, District-Osmanabad(Maharashtra)**

**Executive Summary**

		and transportation	habitats disturbance of wildlife populations from noise  Ecological impact surrounding habitat	will restrict the fugitive emission.
6.	Traffic Pattern	Increase of vehicular traffic	Traffic due to people coming to visit	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the project.

**PROVISION FOR CORPORATE SOCIAL RESPONSIBILITY (CSR)**

The CSR activities in the proposed project are according with the sand mining policy 03.09.2019

As per the sand mining policy it is proposed to give an amount of 25% depends upon cost excluding royalty from the lessee action value. The amount paid to the Gram Panchayat of the concerned village is to be spending on expenditure on school and Anganbadi repairs, making of ponds and other necessary works as per the Gram Panchayat. The said amount is payable to the panchayat if the sand ghat is actioned and excavation took place successfully

**FUND PROVISION FOR EMP**

Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures:

S. No.	Particulars/Items	Control Measures	Amount (In Rs.)
1.	Dust generation due to transportation material by. of tractor trolley & transportation of mineral	Environmental Baseline Monitoring (Air, Water, Noise etc.)	45,000/-
		Water Sprinkling	35,000/-
		Sand carrying trolleys will be Covered with Tarpaulin	10000/-
2.	Road and River bank maintenance	Proper Maintenance of Haul road	1,00,000/-
3.	Green Belt Development	Along River Bank	1,38,200/-

**Proposed DhangpinariSand Ghat Project of Area 1.04 Hectare At Village-DhangpinariTehsil- Paranda, District-Osmanabad(Maharashtra)**

***Executive Summary***

	(Rs. 400 per tree)	Along haul road	
4.	Security	Display Boards and other security measures (CCTV, Fencing etc)	40,000/-
5.	Occupational Health	Provision of PPE Kits and Periodic health check-up, Temporary Shed, Mobile toilet etc.	1,37,250/-
<b>Total</b>			<b>Rs. 5,05,650/-</b>

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**Proposed Hingangaon Bu. Sand Ghat Project of Area 1.04 Hectare At Village-  
Hingangaon Bu. Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

**EXECUTIVE SUMMARY**

This Report has been prepared for the proposed sand ghat over the area of 1.04 ha at River Chandani adjoining Gut. No 81, 68, 62, 61, 57/1, 55, 54, 53, 52, 51, 49, 48, 40, 45, 43, 5, 22, 1, 36, 34, 20, 21, 431, 10, 18, 16, 430, 06, 19, 418, 429, 411, 358, 376, 370, 371, 369, 368, 367, 366, 365, 363, 362, 361, 360, 357, 358, 359, 342, 339, 336 Mouza: Hingangaon Bu., Tehsil: Paranda, District: Osmanabad, Maharashtra in accordance with the Notification of MoEF S.O. 1533 dated 14th September 2006. The Ministry of Environment, Forest and Climate Change amended Principal Notification vide 141(E) dated 15th January 2016 and included Minor Minerals from 0 ha to 50 ha in the Principal Notification S.O. 1533 (E) dated 14.09.2006. Central Government made further amendments to the notification vide S.O. 2269(E) dated 01.07.2016. In obedience all relevant notifications to the principal Notification dated 14th September 2006, application for the excavation of sand ghat from proposed sand ghat is being submitted to SEIAA/SEAC, Maharashtra.

Sand is one of the most sought building materials for the construction purpose. Since Sand has hard texture and durability. It is used chiefly for construction, pavement of roads and imperviousness to moisture and acid. Sand is a perfect countertop material.

The mining for this sand ghat excavation is proposed to be carried out manually with opencast method of mining engaging labours with help of crow bars, hand shovel, pick axes and baskets. Loading will be carried out manually and transportation of mineral from the sand ghat to the depot by tractor with tipper arrangement. As the mineral is soft & loose in nature, drilling and blasting are not required. The proposed sand ghat area is located at Survey of India

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure Plan. In order to obtain environmental clearance as per the EIA Notification 2006 the Pre feasibility Report (PFR) is submitted along with the application Form I M for the project under consideration. The project is categorized as Category B2 vide Notification 141 (E) dated 15th January 2016.

**Table: Salient Features of the Project Site**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>A.</b>	<b>Nature of the Project</b>	Proposed Hingangaon Bu. sand ghat quarry (Minor Mineral)
<b>B.</b>	<b>Size of the Project</b>	
1.	Quarry Area	1.04 ha
2.	Proposed Production	1837 Brass/Annum

**Proposed Hingangaon Bu. Sand Ghat Project of Area 1.04 Hectare At Village-  
Hingangaon Bu. Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

	capacity			
<b>C</b>	<b>Location Details</b>			
1.	Village	Hingangaon Bu.		
2.	Tehsil	Paranda		
3.	District	Osmanabad		
4.	State	Maharashtra		
5.	Latitude & Longitude	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		B.P 1	18° 28'11.37"N	75°20' 28.62"E
		B.P 2	18° 28'18.56"N	75°20'27.94"E
		B.P 3	18° 28'18.72"N	75°20'25.85"E
		B.P 4	18° 28'08.56"N	75°20'27.08"E
6.	Toposheet No.	47N/7		
<b>D</b>	<b>Environmental Settings of the Area</b>			
1.	River / water body	The quarry area is itself part of water body i.e. River-Chandani		
2.	Nearest Town / City/Village	Nearest Village: Hingangaon Bu.at a distance of 0.60 Km towards SW from the Mining area.		
3.	Nearest Railway Station	The nearest railway station is located juer Railway Station, 17.10 Km away towards SE from ML		
4.	Nearest Airport	Pune Airport, 152.18 km away towards North		
5.	State Boundary	No State boundary passes through the project site		
6.	Seismic Zone	Zone – II (Moderate)  This is said to be the Moderate Seismic Zone.		
<b>D</b>	<b>Cost Details</b>			



**Proposed Hingangaon Bu. Sand Ghat Project of Area 1.04 Hectare At Village-  
Hingangaon Bu. Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

1.	Total Upset Price	Rs 8163628/-
E	Requirements of The Project	
1.	Proposed Water Requirement	2.90 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	13 (Skilled and unskilled persons)

**AVAILABILITY OF WATER & ITS SOURCE**

The daily water demand for the proposed project is 2.90 KLD. It will be procured from the supply source of Village- Hingangaon Bu. The detailed breakup of the water requirement is given below.

**Table: Water Demand**

<b>S. No.</b>	<b>Particulars</b>	<b>Quantity (KLD)</b>
1.	Domestic Purpose	0.60
2.	Dust Suppression / Water Sprinkling	1.60
3.	Green belt / Plantation	1.00
<b>Total</b>		<b>2.90</b>

Proposed Hingangaon Bu. Sand Ghat Project of Area 1.04 Hectare At Village-  
Hingangaon Bu. Tehsil- Paranda, District-Osmanabad (Maharashtra)

*Executive Summary*

**ENVIRONMENT MANAGEMENT PLAN**

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	<p>Change in flow pattern</p> <p>Increase in depth may increase the flow velocity</p> <p>Change in surface water quality and ground water quality</p> <p>Waste water discharge</p>	<p>No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime.</p> <p>Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.</p> <p>Portable toilets will be used; hence no sewage/ liquid effluent will be generated.</p>
2.	Air	<p>Mining Activity, transportation of sand via vehicles or tractor movement</p> <p>Loading and unloading of mineral</p>	<p>Generation of fugitive dust may lead to Adverse effect of human health</p> <p>Stomatal index may be minimized due to dust deposit on leaf.</p>	<p>Green belt shall be developed within the premises as per CPCB guideline.</p> <p>Dust mask will be provided to the workers engaged.</p> <p>Regular water sprinkling on unpaved road.</p> <p>Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers.</p> <p>The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.</p>
3.	Noise	Traffic on nearby	Noise generation due to vehicular	Periodical monitoring of noise will be

**Proposed Hingangaon Bu. Sand Ghat Project of Area 1.04 Hectare At Village- Hingangaon Bu. Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

		road to mining site.	traffic and mining activity	<p>done.</p> <p>No other equipments except the transportation vehicles will be allowed.</p> <p>Proper maintenance of vehicles and their silencers to minimize vibration and sound.</p> <p>Ear muffs will be provided to workers.</p> <p>Development of effective greenbelt which shall help in noise attenuation.</p> <p>Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling.</p> <p>Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.</p>
4.	Land	Mining or extraction of sand and transportation	<p>Damage of river bank due to access ramps to river bed, may cause soil erosion.</p> <p>Destruction of river bank interland and ecological due to extraction of sand.</p> <p>Surface degradation due to road network</p>	<p>Safety distance of 3m or 1/4th of the width of the river whichever is more will be left from both the bank of the river (as per "Sustainable Sand Mining Guidelines").</p> <p>Mining will not exceeds beyond the allowed extraction capacity.</p> <p>Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.</p>
5.	Ecology	Extraction of sand	Short-term disturbance of	The green belt/community forestry near river bank and approach road

**Proposed Hingangaon Bu. Sand Ghat Project of Area 1.04 Hectare At Village-  
Hingangaon Bu. Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

		and transportation	habitats disturbance of wildlife populations from noise  Ecological impact surrounding habitat	will restrict the fugitive emission.
6.	Traffic Pattern	Increase of vehicular traffic	Traffic due to people coming to visit	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the project.

**PROVISION FOR CORPORATE SOCIAL RESPONSIBILITY (CSR)**

The CSR activities in the proposed project are according with the sand mining policy 03.09.2019

As per the sand mining policy it is proposed to give an amount of 25% depends upon cost excluding royalty from the lessee action value. The amount paid to the Gram Panchayat of the concerned village is to be spending on expenditure on school and Anganbadi repairs, making of ponds and other necessary works as per the Gram Panchayat. The said amount is payable to the panchayat if the sand ghat is actioned and excavation took place successfully

**FUND PROVISION FOR EMP**

Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures:

<b>S. No.</b>	<b>Particulars/Items</b>	<b>Control Measures</b>	<b>Amount (In Rs.)</b>
1.	Dust generation due to transportation material by. of tractor trolley & transportation of mineral	Environmental Baseline Monitoring (Air, Water, Noise etc.)	45,000/-
		Water Sprinkling	35,000/-
		Sand carrying trolleys will be Covered with Tarpaulin	10000/-
2.	Road and River bank maintenance	Proper Maintenance of Haul road	1,00,000/-
3.	Green Belt Development	Along River Bank	1,37,200/-

**Proposed Hingangaon Bu. Sand Ghat Project of Area 1.04 Hectare At Village-  
Hingangaon Bu. Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

	(Rs. 400 per tree)	Along haul road	
4.	Security	Display Boards and other security measures (CCTV, Fencing etc)	40,000/-
5.	Occupational Health	Provision of PPE Kits and Periodic health check-up, Temporary Shed, Mobile toilet etc.	1,37,250/-
<b>Total</b>			<b>Rs. 4,64,850/-</b>

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**Proposed Jagdalwadi Sand Ghat Project of Area 1.50 Hectare At Village- Jagdalwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

**EXECUTIVE SUMMARY**

This Report has been prepared for the proposed sand ghat over the area of 1.50 ha at River Khairi adjoining Gut. No214 to 233, 103 to 115 Mouza: Jagdalwadi, Tehsil: Paranda, District: Osmanabad, Maharashtra in accordance with the Notification of MoEF S.O. 1533 dated 14th September 2006. The Ministry of Environment, Forest and Climate Change amended Principal Notification vide 141(E) dated 15th January 2016 and included Minor Minerals from 0 ha to 50 ha in the Principal Notification S.O. 1533 (E) dated 14.09.2006. Central Government made further amendments to the notification vide S.O. 2269(E) dated 01.07.2016. In obedience all relevant notifications to the principal Notification dated 14th September 2006, application for the excavation of sand ghat from proposed sand ghat is being submitted to SEIAA/SEAC, Maharashtra.

Sand is one of the most sought building materials for the construction purpose. Since Sand has hard texture and durability. It is used chiefly for construction, pavement of roads and imperviousness to moisture and acid. Sand is a perfect countertop material.

The mining for this sand ghat excavation is proposed to be carried out manually with opencast method of mining engaging labours with help of crow bars, hand shovel, pick axes and baskets. Loading will be carried out manually and transportation of mineral from the sand ghat to the depot by tractor with tipper arrangement. As the mineral is soft & loose in nature, drilling and blasting are not required. The proposed sand ghat area is located at Survey of India

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure Plan. In order to obtain environmental clearance as per the EIA Notification 2006 the Pre feasibility Report (PFR) is submitted along with the application Form I M for the project under consideration. The project is categorized as Category B2 vide Notification 141 (E) dated 15th January 2016.

**Table: Salient Features of the Project Site**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>A.</b>	<b>Nature of the Project</b>	Proposed Jagdalwadi sand ghat quarry (Minor Mineral)
<b>B.</b>	<b>Size of the Project</b>	
1.	Quarry Area	1.50 ha
2.	Proposed Production capacity	5300 Brass/Annum

**Proposed Jagdalwadi Sand Ghat Project of Area 1.50 Hectare At Village- Jagdalwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

<b>C</b>		<b>Location Details</b>		
1.	Village	Jagdalwadi		
2.	Tehsil	Paranda		
3.	District	Osmanabad		
4.	State	Maharashtra		
5.	Latitude & Longitude	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		B.P 1	18° 26'19.66"N	75°21 09.82"E
		B.P 2	18° 26'35.86"N	75°21 09.10"E
		B.P 3	18° 26'21.02"N	75°21 09.82"E
		B.P 4	18° 26'04.64"N	75°20 56.56"E
6.	Toposheet No.	47N/7		
<b>D</b>		<b>Environmental Settings of the Area</b>		
1.	River / water body	The quarry area is itself part of water body i.e. River-Khairi		
2.	Nearest Town / City/Village	Nearest Village: Tandulwadi is at a distance of 0.60 Km towards NE from the Mining area.		
3.	Nearest Railway Station	The nearest railway station is located Jeur Railway Station, 8.96 Km away towards SE from ML		
4.	Nearest Airport	Pune Airport, 156.50 km away towards North		
5.	State Boundary	No State boundary passes through the project site		
6.	Seismic Zone	Zone – II (Moderate)  This is said to be the Moderate Seismic Zone.		
<b>D</b>		<b>Cost Details</b>		
1.	Total Upset	Rs. 235532200/-		

**Proposed Jagdalwadi Sand Ghat Project of Area 1.50 Hectare At Village- Jagdalwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

	Price	
E	Requirements of The Project	
1.	Proposed Water Requirement	3.10 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	18 (Skilled and unskilled persons)

**AVAILABILITY OF WATER & ITS SOURCE**

The daily water demand for the proposed project is 3.10 KLD. It will be procured from the supply source of Village- Jagdalwadi .The detailed breakup of the water requirement is given below.

**Table: Water Demand**

<b>S. No.</b>	<b>Particulars</b>	<b>Quantity (KLD)</b>
1.	Domestic Purpose	0.50
2.	Dust Suppression / Water Sprinkling	1.60
3.	Green belt / Plantation	1.00
<b>Total</b>		<b>3.10</b>



Proposed Jagdalwadi Sand Ghat Project of Area 1.50 Hectare At Village- Jagdalwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)

*Executive Summary*

**ENVIRONMENT MANAGEMENT PLAN**

<b>S. No.</b>	<b>Environmental Parameter</b>	<b>Activities</b>	<b>Predict Impact</b>	<b>EMP/Mitigation Measures</b>
1.	Water	Mining or extraction of sand	<p>Change in flow pattern</p> <p>Increase in depth may increase the flow velocity</p> <p>Change in surface water quality and ground water quality</p> <p>Waste water discharge</p>	<p>No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime.</p> <p>Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.</p> <p>Portable toilets will be used; hence no sewage/ liquid effluent will be generated.</p>
2.	Air	<p>Mining Activity, transportation of sand via vehicles or tractor movement</p> <p>Loading and unloading of mineral</p>	<p>Generation of fugitive dust may lead to Adverse effect of human health</p> <p>Stomatal index may be minimized due to dust deposit on leaf.</p>	<p>Green belt shall be developed within the premises as per CPCB guideline.</p> <p>Dust mask will be provided to the workers engaged.</p> <p>Regular water sprinkling on unpaved road.</p> <p>Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers.</p> <p>The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.</p>
3.	Noise	Traffic on nearby	Noise generation due to vehicular	Periodical monitoring of noise will be

**Proposed Jagdalwadi Sand Ghat Project of Area 1.50 Hectare At Village- Jagdalwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

		road to mining site.	traffic and mining activity	<p>done.</p> <p>No other equipments except the transportation vehicles will be allowed.</p> <p>Proper maintenance of vehicles and their silencers to minimize vibration and sound.</p> <p>Ear muffs will be provided to workers.</p> <p>Development of effective greenbelt which shall help in noise attenuation.</p> <p>Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling.</p> <p>Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.</p>
4.	Land	Mining or extraction of sand and transportation	<p>Damage of river bank due to access ramps to river bed, may cause soil erosion.</p> <p>Destruction of river bank interland and ecological due to extraction of sand.</p> <p>Surface degradation due to road network</p>	<p>Safety distance of 3m or 1/4th of the width of the river whichever is more will be left from both the bank of the river (as per "Sustainable Sand Mining Guidelines").</p> <p>Mining will not exceeds beyond the allowed extraction capacity.</p> <p>Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.</p>
5.	Ecology	Extraction of sand	Short-term disturbance of	The green belt/community forestry near river bank and approach road

**Proposed Jagdalwadi Sand Ghat Project of Area 1.50 Hectare At Village- Jagdalwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

		and transportation	habitats disturbance of wildlife populations from noise  Ecological impact surrounding habitat	will restrict the fugitive emission.
6.	Traffic Pattern	Increase of vehicular traffic	Traffic due to people coming to visit	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the project.

**PROVISION FOR CORPORATE SOCIAL RESPONSIBILITY (CSR)**

The CSR activities in the proposed project are according with the sand mining policy 03.09.2019

As per the sand mining policy it is proposed to give an amount of 25% depends upon cost excluding royalty from the lessee action value. The amount paid to the Gram Panchayat of the concerned village is to be spending on expenditure on school and Anganbadi repairs, making of ponds and other necessary works as per the Gram Panchayat. The said amount is payable to the panchayat if the sand ghat is actioned and excavation took place successfully

**FUND PROVISION FOR EMP**

Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures:

S. No.	Particulars/Items	Control Measures	Amount (In Rs.)
1.	Dust generation due to transportation material by. of tractor trolley & transportation of mineral	Environmental Baseline Monitoring (Air, Water, Noise etc.)	45,000/-
		Water Sprinkling	40,000/-
		Sand carrying trolleys will be Covered with Tarpaulin	10000/-
2.	Road and River bank maintenance	Proper Maintenance of Haul road	1,40,000/-
3.	Green Belt Development	Along River Bank	1,98,000/-

**Proposed Jagdalwadi Sand Ghat Project of Area 1.50 Hectare At Village- Jagdalwadi  
Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

	(Rs. 400 per tree)	Along haul road	
4.	Security	Display Boards and other security measures (CCTV, Fencing etc)	10,000/-
5.	Occupational Health	Provision of PPE Kits and Periodic health check-up, Temporary Shed, Mobile toilet etc.	1,37,250/-
<b>Total</b>			<b>Rs. 6,10,250/-</b>

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**Proposed Parewadi Sand Ghat Project of Area 1.05 Hectare At Village- Parewadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

**EXECUTIVE SUMMARY**

This Report has been prepared for the proposed sand ghat over the area of 1.05 ha at River Nalli adjoining Gut. No37 to 41, 47, 63, 81, 83, 115, 121, 127, 137, 139 Mouza: Parewadi, Tehsil: Paranda, District: Osmanabad, Maharashtra in accordance with the Notification of MoEF S.O. 1533 dated 14th September 2006. The Ministry of Environment, Forest and Climate Change amended Principal Notification vide 141(E) dated 15th January 2016 and included Minor Minerals from 0 ha to 50 ha in the Principal Notification S.O. 1533 (E) dated 14.09.2006. Central Government made further amendments to the notification vide S.O. 2269(E) dated 01.07.2016. In obedience all relevant notifications to the principal Notification dated 14th September 2006, application for the excavation of sand ghat from proposed sand ghat is being submitted to SEIAA/SEAC, Maharashtra.

Sand is one of the most sought building materials for the construction purpose. Since Sand has hard texture and durability. It is used chiefly for construction, pavement of roads and imperviousness to moisture and acid. Sand is a perfect countertop material.

The mining for this sand ghat excavation is proposed to be carried out manually with opencast method of mining engaging labours with help of crow bars, hand shovel, pick axes and baskets. Loading will be carried out manually and transportation of mineral from the sand ghat to the depot by tractor with tipper arrangement. As the mineral is soft & loose in nature, drilling and blasting are not required. The proposed sand ghat area is located at Survey of India

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure Plan. In order to obtain environmental clearance as per the EIA Notification 2006 the Pre feasibility Report (PFR) is submitted along with the application Form I M for the project under consideration. The project is categorized as Category B2 vide Notification 141 (E) dated 15th January 2016.

**Table: Salient Features of the Project Site**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>A.</b>	<b>Nature of the Project</b>	Proposed Parewadi sand ghat quarry (Minor Mineral)
<b>B.</b>	<b>Size of the Project</b>	
1.	Quarry Area	1.05 ha
2.	Proposed Production capacity	3710 Brass/Annum

**Proposed Parewadi Sand Ghat Project of Area 1.05 Hectare At Village- Parewadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

<b>C</b>		<b>Location Details</b>		
1.	Village	Parewadi		
2.	Tehsil	Paranda		
3.	District	Osmanabad		
4.	State	Maharashtra		
5.	Latitude & Longitude	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		B.P 1	18° 28'11.37"N	75°20' 28.62"E
		B.P 2	18° 28'18.56"N	75°20'27.94"E
		B.P 3	18° 28'18.72"N	75°20'25.85"E
		B.P 4	18° 28'08.56"N	75°20'27.08"E
6.	Toposheet No.	47N/7		
<b>D</b>		<b>Environmental Settings of the Area</b>		
1.	River / water body	The quarry area is itself part of water body i.e. River-Nalli		
2.	Nearest Town / City/Village	Nearest Village: Parewadi at a distance of 0.60 Km towards SW from the Mining area.		
3.	Nearest Railway Station	The nearest railway station is located Juer Railway Station, 18.10 Km away towards SE from ML		
4.	Nearest Airport	Pune Airport, 154.18 km away towards North		
5.	State Boundary	No State boundary passes through the project site		
6.	Seismic Zone	Zone – II (Moderate)  This is said to be the Moderate Seismic Zone.		
<b>D</b>		<b>Cost Details</b>		
1.	Total Upset	Rs 16487240/-		

**Proposed Parewadi Sand Ghat Project of Area 1.05 Hectare At Village- Parewadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

	Price	
E	Requirements of The Project	
1.	Proposed Water Requirement	2.90 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	13 (Skilled and unskilled persons)

**AVAILABILITY OF WATER & ITS SOURCE**

The daily water demand for the proposed project is 2.90 KLD. It will be procured from the supply source of Village- Parewadi. The detailed breakup of the water requirement is given below.

**Table: Water Demand**

<b>S. No.</b>	<b>Particulars</b>	<b>Quantity (KLD)</b>
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	1.60
3.	Green belt / Plantation	1.00
<b>Total</b>		<b>2.90</b>

Proposed Parewadi Sand Ghat Project of Area 1.05 Hectare At Village- Parewadi Tehsil- Paranda, District-Osmanabad (Maharashtra)

*Executive Summary*

**ENVIRONMENT MANAGEMENT PLAN**

<b>S. No.</b>	<b>Environmental Parameter</b>	<b>Activities</b>	<b>Predict Impact</b>	<b>EMP/Mitigation Measures</b>
1.	Water	Mining or extraction of sand	<p>Change in flow pattern</p> <p>Increase in depth may increase the flow velocity</p> <p>Change in surface water quality and ground water quality</p> <p>Waste water discharge</p>	<p>No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime.</p> <p>Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.</p> <p>Portable toilets will be used; hence no sewage/ liquid effluent will be generated.</p>
2.	Air	<p>Mining Activity, transportation of sand via vehicles or tractor movement</p> <p>Loading and unloading of mineral</p>	<p>Generation of fugitive dust may lead to Adverse effect of human health</p> <p>Stomatal index may be minimized due to dust deposit on leaf.</p>	<p>Green belt shall be developed within the premises as per CPCB guideline.</p> <p>Dust mask will be provided to the workers engaged.</p> <p>Regular water sprinkling on unpaved road.</p> <p>Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers.</p> <p>The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.</p>
3.	Noise	Traffic on nearby	Noise generation due to vehicular	Periodical monitoring of noise will be



**Proposed Parewadi Sand Ghat Project of Area 1.05 Hectare At Village- Parewadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

		road to mining site.	traffic and mining activity	<p>done.</p> <p>No other equipments except the transportation vehicles will be allowed.</p> <p>Proper maintenance of vehicles and their silencers to minimize vibration and sound.</p> <p>Ear muffs will be provided to workers.</p> <p>Development of effective greenbelt which shall help in noise attenuation.</p> <p>Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling.</p> <p>Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.</p>
4.	Land	Mining or extraction of sand and transportation	<p>Damage of river bank due to access ramps to river bed, may cause soil erosion.</p> <p>Destruction of river bank interland and ecological due to extraction of sand.</p> <p>Surface degradation due to road network</p>	<p>Safety distance of 3m or 1/4th of the width of the river whichever is more will be left from both the bank of the river (as per "Sustainable Sand Mining Guidelines").</p> <p>Mining will not exceeds beyond the allowed extraction capacity.</p> <p>Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.</p>
5.	Ecology	Extraction of sand	Short-term disturbance of	The green belt/community forestry near river bank and approach road

**Proposed Parewadi Sand Ghat Project of Area 1.05 Hectare At Village- Parewadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

		and transportation	habitats disturbance of wildlife populations from noise  Ecological impact surrounding habitat	will restrict the fugitive emission.
6.	Traffic Pattern	Increase of vehicular traffic	Traffic due to people coming to visit	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the project.

**PROVISION FOR CORPORATE SOCIAL RESPONSIBILITY (CSR)**

The CSR activities in the proposed project are according with the sand mining policy 03.09.2019

As per the sand mining policy it is proposed to give an amount of 25% depends upon cost excluding royalty from the lessee action value. The amount paid to the Gram Panchayat of the concerned village is to be spending on expenditure on school and Anganbadi repairs, making of ponds and other necessary works as per the Gram Panchayat. The said amount is payable to the panchayat if the sand ghat is actioned and excavation took place successfully

**FUND PROVISION FOR EMP**

Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures:

S. No.	Particulars/Items	Control Measures	Amount (In Rs.)
1.	Dust generation due to transportation material by. of tractor trolley & transportation of mineral	Environmental Baseline Monitoring (Air, Water, Noise etc.)	45,000/-
		Water Sprinkling	35,000/-
		Sand carrying trolleys will be Covered with Tarpaulin	10000/-
2.	Road and River bank maintenance	Proper Maintenance of Haul road	1,00,000/-

**Proposed Parewadi Sand Ghat Project of Area 1.05 Hectare At Village- Parewadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

3.	Green Belt Development (Rs. 400 per tree)	Along River Bank	1,38,600/-
		Along haul road	
4.	Security	Display Boards and other security measures (CCTV, Fencing etc)	40,000/-
5.	Occupational Health	Provision of PPE Kits and Periodic health check-up, Temporary Shed, Mobile toilet etc.	1,37,250/-
<b>Total</b>			<b>Rs. 5,05,850/-</b>

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## **EXECUTIVE SUMMARY**

This Report has been prepared for the proposed sand ghat over the area of 1.07 ha at River Ulfa 8adjoining Gut. No. Rui – 49, 48, 47, 46, 45, 42, 41, 40, 39, 38, 36, 35, 34, 33, 32, 31, 29, 50, 51, 52, 53, 58, 43, 25, 26, 28, 21, 20, 19, 18, 17, 14, 12, 170, 169, 168, 167, 166 Dudhi – 25, 24, 23, 21, 16, 15, 163, 154, 155, 152, 151, 149, 148, 147, 146/B, 144, 141, 140, 138, 136, 135, 134 Mouza: Rui-Dudhi, Tehsil: Paranda, District: Osmanabad, Maharashtra in accordance with the Notification of MoEF S.O. 1533 dated 14th September 2006. The Ministry of Environment, Forest and Climate Change amended Principal Notification vide 141(E) dated 15th January 2016 and included Minor Minerals from 0 ha to 50 ha in the Principal Notification S.O. 1533 (E) dated 14.09.2006. Central Government made further amendments to the notification vide S.O. 2269(E) dated 01.07.2016. In obedience all relevant notifications to the principal Notification dated 14th September 2006, application for the excavation of sand ghat from proposed sand ghat is being submitted to SEIAA/SEAC, Maharashtra.

Sand is one of the most sought building materials for the construction purpose. Since Sand has hard texture and durability. It is used chiefly for construction, pavement of roads and imperviousness to moisture and acid. Sand is a perfect countertop material.

The mining for this sand ghat excavation is proposed to be carried out manually with opencast method of mining engaging labours with help of crow bars, hand shovel, pick axes and baskets. Loading will be carried out manually and transportation of mineral from the sand ghat to the depot by tractor with tipper arrangement. As the mineral is soft & loose in nature, drilling and blasting are not required. The proposed sand ghat area is located at Survey of India

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure Plan. In order to obtain environmental clearance as per the EIA Notification 2006 the Pre feasibility Report (PFR) is submitted along with the application Form I M for the project under consideration. The project is categorized as Category B2 vide Notification 141 (E) dated 15th January 2016.

**Table: Salient Features of the Project Site**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>A.</b>	<b>Nature of the Project</b>	Proposed Rui-Dudhi sand ghat quarry (Minor Mineral)
<b>B.</b>	<b>Size of the Project</b>	
1.	Quarry Area	1.07 ha
2.	Proposed Production	3767 Brass/Annum

**Proposed Rui-Dudhi Sand Ghat Project of Area 1.07 Hectare At Village- Rui-Dudhi, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

	capacity			
<b>C</b>	<b>Location Details</b>			
1.	Village	Rui-Dudhi		
2.	Tehsil	Paranda		
3.	District	Osmanabad		
4.	State	Maharashtra		
5.	Latitude & Longitude	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		B.P 1	18° 15'27.57"N	75°29 30.63"E
		B.P 2	18° 15'46.71"N	75°29'39.03"E
		B.P 3	18° 15'48.05"N	75°29'38.81"E
		B.P 4	18° 15'48.41"N	75°29'38.47"E
6.	Toposheet No.	47N/7		
<b>D</b>	<b>Environmental Settings of the Area</b>			
1.	River / water body	The quarry area is itself part of water body i.e. River-Ulfa		
2.	Nearest Town / City/Village	Nearest Village: Dui village is at a distance of 0.40 Km towards East from the Mining area.		
3.	Nearest Railway Station	The nearest railway station is located Sendri Railway Station, 20.20 Km away towards SE from ML		
4.	Nearest Airport	Pune Airport, 154.0 km away towards North		
5.	State Boundary	No State boundary passes through the project site		
6.	Seismic Zone	Zone – II (Moderate)  This is said to be the Moderate Seismic Zone.		
<b>D</b>	<b>Cost Details</b>			

**Proposed Rui-Dudhi Sand Ghat Project of Area 1.07 Hectare At Village- Rui-Dudhi, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

1.	Total Upset Price	Rs. 16740548/-
E	Requirements of The Project	
1.	Proposed Water Requirement	3.20 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	13 (Skilled and unskilled persons)

**AVAILABILITY OF WATER & ITS SOURCE**

The daily water demand for the proposed project is 3.20 KLD. It will be procured from the supply source of Village- Rui-Dudhi. The detailed breakup of the water requirement is given below.

**Table: Water Demand**

<b>S. No.</b>	<b>Particulars</b>	<b>Quantity (KLD)</b>
1.	Domestic Purpose	0.60
2.	Dust Suppression / Water Sprinkling	1.60
3.	Green belt / Plantation	1.00
<b>Total</b>		<b>3.20</b>

Proposed Rui-Dudhi Sand Ghat Project of Area 1.07 Hectare At Village- Rui-Dudhi, Tehsil- Paranda, District-Osmanabad (Maharashtra)

*Executive Summary*

**ENVIRONMENT MANAGEMENT PLAN**

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	<p>Change in flow pattern</p> <p>Increase in depth may increase the flow velocity</p> <p>Change in surface water quality and ground water quality</p> <p>Waste water discharge</p>	<p>No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime.</p> <p>Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.</p> <p>Portable toilets will be used; hence no sewage/ liquid effluent will be generated.</p>
2.	Air	<p>Mining Activity, transportation of sand via vehicles or tractor movement</p> <p>Loading and unloading of mineral</p>	<p>Generation of fugitive dust may lead to Adverse effect of human health</p> <p>Stomatal index may be minimized due to dust deposit on leaf.</p>	<p>Green belt shall be developed within the premises as per CPCB guideline.</p> <p>Dust mask will be provided to the workers engaged.</p> <p>Regular water sprinkling on unpaved road.</p> <p>Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers.</p> <p>The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.</p>
3.	Noise	Traffic on nearby road to mining	Noise generation due to vehicular traffic and mining	<p>Periodical monitoring of noise will be done.</p> <p>No other equipments except the</p>

**Proposed Rui-Dudhi Sand Ghat Project of Area 1.07 Hectare At Village- Rui-Dudhi, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

		site.	activity	<p>transportation vehicles will be allowed.</p> <p>Proper maintenance of vehicles and their silencers to minimize vibration and sound.</p> <p>Ear muffs will be provided to workers.</p> <p>Development of effective greenbelt which shall help in noise attenuation.</p> <p>Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling.</p> <p>Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.</p>
4.	Land	Mining or extraction of sand and transportation	<p>Damage of river bank due to access ramps to river bed, may cause soil erosion.</p> <p>Destruction of river bank interland and ecological due to extraction of sand.</p> <p>Surface degradation due to road network</p>	<p>Safety distance of 3m or 1/4th of the width of the river whichever is more will be left from both the bank of the river (as per "Sustainable Sand Mining Guidelines").</p> <p>Mining will not exceeds beyond the allowed extraction capacity.</p> <p>Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.</p>
5.	Ecology	Extraction of sand and transportation	<p>Short-term disturbance of habitats disturbance of wildlife populations from</p>	<p>The green belt/community forestry near river bank and approach road will restrict the fugitive emission.</p>



**Proposed Rui-Dudhi Sand Ghat Project of Area 1.07 Hectare At Village- Rui-Dudhi, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

		tion	noise	
			Ecological impact surrounding habitat	
6.	Traffic Pattern	Increase of vehicular traffic	Traffic due to people coming to visit	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the project.

**PROVISION FOR CORPORATE SOCIAL RESPONSIBILITY (CSR)**

The CSR activities in the proposed project are according with the sand mining policy 03.09.2019

As per the sand mining policy it is proposed to give an amount of 25% depends upon cost excluding royalty from the lessee action value. The amount paid to the Gram Panchayat of the concerned village is to be spending on expenditure on school and Anganbadi repairs, making of ponds and other necessary works as per the Gram Panchayat. The said amount is payable to the panchayat if the sand ghat is actioned and excavation took place successfully

**FUND PROVISION FOR EMP**

Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures:

S. No.	Particulars/Items	Control Measures	Amount (In Rs.)
1.	Dust generation due to transportation material by. of tractor trolley & transportation of mineral	Environmental Baseline Monitoring (Air, Water, Noise etc.)	45,000/-
		Water Sprinkling	35,000/-
		Sand carrying trolleys will be Covered with Tarpaulin	10000/-
2.	Road and River bank maintenance	Proper Maintenance of Haul road	1,00,000/-
3.	Green Belt Development (Rs. 400 per tree)	Along River Bank	1,41,200/-
		Along haul road	

**Proposed Rui-Dudhi Sand Ghat Project of Area 1.07 Hectare At Village- Rui-Dudhi,  
Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

4.	Security	Display Boards and other security measures (CCTV, Fencing etc)	40,000/-
5.	Occupational Health	Provision of PPE Kits and Periodic health check-up, Temporary Shed, Mobile toilet etc.	1,37,250/-
<b>Total</b>			<b>Rs. 5,08,450/-</b>

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**Proposed Selgaon Sand Ghat Project of Area 3.20 Hectare At Village- Selgaon, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

**EXECUTIVE SUMMARY**

This Report has been prepared for the proposed sand ghat over the area of 3.20 ha at River NimnKhairiadjoining Gut. No. 997, 996, 994, 871, 865, 864, 863, 860, 857, 878, 916, 1468, 1469, 1463, 1462, 1461, 1456, 1457, 1455, 1453, 1450, 1451, 1448, 1446, 1438, 1437, 1436, 1426, 1425, 1422, 1421, 1420, 1419, 1418, 1415, 1414, 1413, 1412, 1411, 818, 819, 820, 823, 825, 826, 851, 696, 691, 686, 2, 5, 6, 8, 62, 78, 82, 89, 96, 97, 99, 104, 107, 108 Mouza: Selgaon, Tehsil: Paranda, District: Osmanabad, Maharashtra in accordance with the Notification of MoEF S.O. 1533 dated 14th September 2006. The Ministry of Environment, Forest and Climate Change amended Principal Notification vide 141(E) dated 15th January 2016 and included Minor Minerals from 0 ha to 50 ha in the Principal Notification S.O. 1533 (E) dated 14.09.2006. Central Government made further amendments to the notification vide S.O. 2269(E) dated 01.07.2016. In obedience all relevant notifications to the principal Notification dated 14th September 2006, application for the excavation of sand ghat from proposed sand ghat is being submitted to SEIAA/SEAC, Maharashtra.

Sand is one of the most sought building materials for the construction purpose. Since Sand has hard texture and durability. It is used chiefly for construction, pavement of roads and imperviousness to moisture and acid. Sand is a perfect countertop material.

The mining for this sand ghat excavation is proposed to be carried out manually with opencast method of mining engaging labours with help of crow bars, hand shovel, pick axes and baskets. Loading will be carried out manually and transportation of mineral from the sand ghat to the depot by tractor with tipper arrangement. As the mineral is soft & loose in nature, drilling and blasting are not required. The proposed sand ghat area is located at Survey of India

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure Plan. In order to obtain environmental clearance as per the EIA Notification 2006 the Pre feasibility Report (PFR) is submitted along with the application Form I M for the project under consideration. The project is categorized as Category B2 vide Notification 141 (E) dated 15th January 2016.

**Table: Salient Features of the Project Site**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>A.</b>	<b>Nature of the Project</b>	Proposed Selgaon sand ghat quarry (Minor Mineral)
<b>B.</b>	<b>Size of the Project</b>	
1.	Quarry Area	3.20 ha
2.	Proposed	11307 Brass/Annum

**Proposed Selgaon Sand Ghat Project of Area 3.20 Hectare At Village- Selgaon, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

	Production capacity			
<b>C</b>	<b>Location Details</b>			
1.	Village	Selgaon		
2.	Tehsil	Paranda		
3.	District	Osmanabad		
4.	State	Maharashtra		
5.	Latitude & Longitude	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		B.P 1	18° 29'12.18"N	75°20 42.62"E
		B.P 2	18° 29'37.73"N	75°29'49.51"E
		B.P 3	18° 29'37.62"N	75°29'47.63"E
		B.P 4	18° 29'35.13"N	75°21'13.82"E
6.	Toposheet No.	47N/7		
<b>D</b>	<b>Environmental Settings of the Area</b>			
1.	River / water body	The quarry area is itself part of water body i.e. River-Nimn Khairi		
2.	Nearest Town / City/Village	Nearest Village: Dui village is at a distance of 1.10 Km towards E from the Mining area.		
3.	Nearest Railway Station	The nearest railway station is located Sendri Railway Station, 20.20 Km away towards SE from ML		
4.	Nearest Airport	Pune Airport, 151.70 km away towards North		
5.	State Boundary	No State boundary passes through the project site		
6.	Seismic Zone	Zone – II (Moderate)  This is said to be the Moderate Seismic Zone.		

**Proposed Selgaon Sand Ghat Project of Area 3.20 Hectare At Village- Selgaon, Tehsil-Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

<b>D</b>	<b>Cost Details</b>	
1.	Total Upset Price	Rs. 50248308/-
<b>E</b>	<b>Requirements of The Project</b>	
1.	Proposed Water Requirement	5.46 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	28 (Skilled and unskilled persons)

**AVAILABILITY OF WATER & ITS SOURCE**

The daily water demand for the proposed project is 5.46 KLD. It will be procured from the supply source of Village- Selgaon. The detailed breakup of the water requirement is given below.

**Table: Water Demand**

<b>S. No.</b>	<b>Particulars</b>	<b>Quantity (KLD)</b>
1.	Domestic Purpose	1.26
2.	Dust Suppression / Water Sprinkling	1.20
3.	Green belt / Plantation	3.0
<b>Total</b>		<b>5.46</b>

Proposed Selgaon Sand Ghat Project of Area 3.20 Hectare At Village- Selgaon, Tehsil-Paranda, District-Osmanabad (Maharashtra)

*Executive Summary*

**ENVIRONMENT MANAGEMENT PLAN**

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	<p>Change in flow pattern</p> <p>Increase in depth may increase the flow velocity</p> <p>Change in surface water quality and ground water quality</p> <p>Waste water discharge</p>	<p>No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime.</p> <p>Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.</p> <p>Portable toilets will be used; hence no sewage/ liquid effluent will be generated.</p>
2.	Air	<p>Mining Activity, transportation of sand via vehicles or tractor movement</p> <p>Loading and unloading of mineral</p>	<p>Generation of fugitive dust may lead to Adverse effect of human health</p> <p>Stomatal index may be minimized due to dust deposit on leaf.</p>	<p>Green belt shall be developed within the premises as per CPCB guideline.</p> <p>Dust mask will be provided to the workers engaged.</p> <p>Regular water sprinkling on unpaved road.</p> <p>Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers.</p> <p>The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.</p>
3.	Noise	Traffic on nearby road to mining	Noise generation due to vehicular traffic and mining	<p>Periodical monitoring of noise will be done.</p> <p>No other equipments except the</p>

**Proposed Selgaon Sand Ghat Project of Area 3.20 Hectare At Village- Selgaon, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

		site.	activity	<p>transportation vehicles will be allowed.</p> <p>Proper maintenance of vehicles and their silencers to minimize vibration and sound.</p> <p>Ear muffs will be provided to workers.</p> <p>Development of effective greenbelt which shall help in noise attenuation.</p> <p>Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling.</p> <p>Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.</p>
4.	Land	Mining or extraction of sand and transportation	<p>Damage of river bank due to access ramps to river bed, may cause soil erosion.</p> <p>Destruction of river bank interland and ecological due to extraction of sand.</p> <p>Surface degradation due to road network</p>	<p>Safety distance of 3m or 1/4th of the width of the river whichever is more will be left from both the bank of the river (as per "Sustainable Sand Mining Guidelines").</p> <p>Mining will not exceeds beyond the allowed extraction capacity.</p> <p>Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.</p>
5.	Ecology	Extraction of sand and transportation	<p>Short-term disturbance of habitats disturbance of wildlife populations from</p>	<p>The green belt/community forestry near river bank and approach road will restrict the fugitive emission.</p>

**Proposed Selgaon Sand Ghat Project of Area 3.20 Hectare At Village- Selgaon, Tehsil-Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

		tion	noise	
			Ecological impact surrounding habitat	
6.	Traffic Pattern	Increase of vehicular traffic	Traffic due to people coming to visit	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the project.

**PROVISION FOR CORPORATE SOCIAL RESPONSIBILITY (CSR)**

The CSR activities in the proposed project are according with the sand mining policy 03.09.2019

As per the sand mining policy it is proposed to give an amount of 25% depends upon cost excluding royalty from the lessee action value. The amount paid to the Gram Panchayat of the concerned village is to be spending on expenditure on school and Anganbadi repairs, making of ponds and other necessary works as per the Gram Panchayat. The said amount is payable to the panchayat if the sand ghat is actioned and excavation took place successfully

**FUND PROVISION FOR EMP**

Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures:

S. No.	Particulars/Items	Control Measures	Amount (In Rs.)
1.	Dust generation due to transportation material by. of tractor trolley & transportation of mineral	Environmental Baseline Monitoring (Air, Water, Noise etc.)	45,000/-
		Water Sprinkling	50,000/-
		Sand carrying trolleys will be Covered with Tarpaulin	10000/-
2.	Road and River bank maintenance	Proper Maintenance of Haul road	1,20,000/-
3.	Green Belt Development (Rs. 400 per tree)	Along River Bank	4,22,400/-
		Along haul road	



**Proposed Selgaon Sand Ghat Project of Area 3.20 Hectare At Village- Selgaon, Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

4.	Security	Display Boards and other security measures (CCTV, Fencing etc)	40,000/-
5.	Occupational Health	Provision of PPE Kits and Periodic health check-up, Temporary Shed, Mobile toilet etc.	1,37,250/-
<b>Total</b>			<b>Rs. 8,21,650/-</b>

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**Proposed Tandulwadi Sand Ghat Project of Area 3.0 Hectare At Village- Tandulwadi  
Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

**EXECUTIVE SUMMARY**

This Report has been prepared for the proposed sand ghat over the area of 3.0 ha at River Khairi adjoining Gut. No 01 to 21, 211 to 231, 430 to 443 Mouza: Tandulwadi, Tehsil: Paranda, District: Osmanabad, Maharashtra in accordance with the Notification of MoEF S.O. 1533 dated 14th September 2006. The Ministry of Environment, Forest and Climate Change amended Principal Notification vide 141(E) dated 15th January 2016 and included Minor Minerals from 0 ha to 50 ha in the Principal Notification S.O. 1533 (E) dated 14.09.2006. Central Government made further amendments to the notification vide S.O. 2269(E) dated 01.07.2016. In obedience all relevant notifications to the principal Notification dated 14th September 2006, application for the excavation of sand ghat from proposed sand ghat is being submitted to SEIAA/SEAC, Maharashtra.

Sand is one of the most sought building materials for the construction purpose. Since Sand has hard texture and durability. It is used chiefly for construction, pavement of roads and imperviousness to moisture and acid. Sand is a perfect countertop material.

The mining for this sand ghat excavation is proposed to be carried out manually with opencast method of mining engaging labours with help of crow bars, hand shovel, pick axes and baskets. Loading will be carried out manually and transportation of mineral from the sand ghat to the depot by tractor with tipper arrangement. As the mineral is soft & loose in nature, drilling and blasting are not required. The proposed sand ghat area is located at Survey of India

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure Plan. In order to obtain environmental clearance as per the EIA Notification 2006 the Pre feasibility Report (PFR) is submitted along with the application Form I M for the project under consideration. The project is categorized as Category B2 vide Notification 141 (E) dated 15th January 2016.

**Table: Salient Features of the Project Site**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>A.</b>	<b>Nature of the Project</b>	Proposed Tandulwadi sand ghat quarry (Minor Mineral)
<b>B.</b>	<b>Size of the Project</b>	
1.	Quarry Area	3.0 ha
2.	Proposed Production capacity	10600 Brass/Annum

**Proposed Tandulwadi Sand Ghat Project of Area 3.0 Hectare At Village- Tandulwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

<b>C</b>		<b>Location Details</b>		
1.	Village	Tandulwadi		
2.	Tehsil	Paranda		
3.	District	Osmanabad		
4.	State	Maharashtra		
5.	Latitude & Longitude	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		B.P 1	18° 28'11.37"N	75°20' 28.62"E
		B.P 2	18° 28'18.56"N	75°20'27.94"E
		B.P 3	18° 28'18.72"N	75°20'25.85"E
		B.P 4	18° 28'08.56"N	75°20'27.08"E
6.	Toposheet No.	47N/7		
<b>D</b>		<b>Environmental Settings of the Area</b>		
1.	River / water body	The quarry area is itself part of water body i.e. River-Khairi		
2.	Nearest Town / City/Village	Nearest Village: Tandulwadi is at a distance of 2.50 Km towards South from the Mining area.		
3.	Nearest Railway Station	The nearest railway station is located Sendri Railway Station, 20.20 Km away towards SE from ML		
4.	Nearest Airport	Pune Airport, 152.58 km away towards North		
5.	State Boundary	No State boundary passes through the project site		
6.	Seismic Zone	Zone – II (Moderate)  This is said to be the Moderate Seismic Zone.		
<b>D</b>		<b>Cost Details</b>		
1.	Total Upset	Rs. 47106400/-		

**Proposed Tandulwadi Sand Ghat Project of Area 3.0 Hectare At Village- Tandulwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

	Price	
E	Requirements of The Project	
1.	Proposed Water Requirement	8.30 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	23 (Skilled and unskilled persons)

**AVAILABILITY OF WATER & ITS SOURCE**

The daily water demand for the proposed project is 8.30 KLD. It will be procured from the supply source of Village- Tandulwadi. The detailed breakup of the water requirement is given below.

**Table: Water Demand**

<b>S. No.</b>	<b>Particulars</b>	<b>Quantity (KLD)</b>
1.	Domestic Purpose	1.0
2.	Dust Suppression / Water Sprinkling	2.80
3.	Green belt / Plantation	4.50
<b>Total</b>		<b>8.30</b>

**Proposed Tandulwadi Sand Ghat Project of Area 3.0 Hectare At Village- Tandulwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

**ENVIRONMENT MANAGEMENT PLAN**

<b>S. No.</b>	<b>Environmental Parameter</b>	<b>Activities</b>	<b>Predict Impact</b>	<b>EMP/Mitigation Measures</b>
1.	Water	Mining or extraction of sand	<p>Change in flow pattern</p> <p>Increase in depth may increase the flow velocity</p> <p>Change in surface water quality and ground water quality</p> <p>Waste water discharge</p>	<p>No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime.</p> <p>Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.</p> <p>Portable toilets will be used; hence no sewage/ liquid effluent will be generated.</p>
2.	Air	<p>Mining Activity, transportation of sand via vehicles or tractor movement</p> <p>Loading and unloading of mineral</p>	<p>Generation of fugitive dust may lead to Adverse effect of human health</p> <p>Stomatal index may be minimized due to dust deposit on leaf.</p>	<p>Green belt shall be developed within the premises as per CPCB guideline.</p> <p>Dust mask will be provided to the workers engaged.</p> <p>Regular water sprinkling on unpaved road.</p> <p>Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers.</p> <p>The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.</p>
3.	Noise	Traffic on nearby	Noise generation due to vehicular	Periodical monitoring of noise will be

**Proposed Tandulwadi Sand Ghat Project of Area 3.0 Hectare At Village- Tandulwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

		road to mining site.	traffic and mining activity	<p>done.</p> <p>No other equipments except the transportation vehicles will be allowed.</p> <p>Proper maintenance of vehicles and their silencers to minimize vibration and sound.</p> <p>Ear muffs will be provided to workers.</p> <p>Development of effective greenbelt which shall help in noise attenuation.</p> <p>Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling.</p> <p>Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.</p>
4.	Land	Mining or extraction of sand and transportation	<p>Damage of river bank due to access ramps to river bed, may cause soil erosion.</p> <p>Destruction of river bank interland and ecological due to extraction of sand.</p> <p>Surface degradation due to road network</p>	<p>Safety distance of 3m or 1/4th of the width of the river whichever is more will be left from both the bank of the river (as per "Sustainable Sand Mining Guidelines").</p> <p>Mining will not exceeds beyond the allowed extraction capacity.</p> <p>Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.</p>
5.	Ecology	Extraction of sand	Short-term disturbance of	The green belt/community forestry near river bank and approach road

**Proposed Tandulwadi Sand Ghat Project of Area 3.0 Hectare At Village- Tandulwadi Tehsil- Paranda, District-Osmanabad (Maharashtra)**

**Executive Summary**

		and transportation	habitats disturbance of wildlife populations from noise  Ecological impact surrounding habitat	will restrict the fugitive emission.
6.	Traffic Pattern	Increase of vehicular traffic	Traffic due to people coming to visit	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the project.

**PROVISION FOR CORPORATE SOCIAL RESPONSIBILITY (CSR)**

The CSR activities in the proposed project are according with the sand mining policy 03.09.2019

As per the sand mining policy it is proposed to give an amount of 25% depends upon cost excluding royalty from the lessee action value. The amount paid to the Gram Panchayat of the concerned village is to be spending on expenditure on school and Anganbadi repairs, making of ponds and other necessary works as per the Gram Panchayat. The said amount is payable to the panchayat if the sand ghat is actioned and excavation took place successfully

**FUND PROVISION FOR EMP**

Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures:

S. No.	Particulars/Items	Control Measures	Amount (In Rs.)
1.	Dust generation due to transportation material by. of tractor trolley & transportation of mineral	Environmental Baseline Monitoring (Air, Water, Noise etc.)	45,000/-
		Water Sprinkling	50,000/-
		Sand carrying trolleys will be Covered with Tarpaulin	10000/-
2.	Road and River bank maintenance	Proper Maintenance of Haul road	1,25,000/-
3.	Green Belt Development	Along River Bank	3,96,800/-

**Proposed Tandulwadi Sand Ghat Project of Area 3.0 Hectare At Village- Tandulwadi  
Tehsil- Paranda, District-Osmanabad (Maharashtra)**

***Executive Summary***

	(Rs. 400 per tree)	Along haul road	
4.	Security	Display Boards and other security measures (CCTV, Fencing etc)	40,000/-
5.	Occupational Health	Provision of PPE Kits and Periodic health check-up, Temporary Shed, Mobile toilet etc.	1,37,250/-
<b>Total</b>			<b>Rs. 8,04,050/-</b>

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**Proposed Waterfall/ Ingonda/ HingangaonKhu.Sand Ghat Project of Area 1.60 Hectare  
At Village- Waterfall/ Ingonda/ HingangaonKhu., Tehsil- Paranda, District-  
Osmanabad(Maharashtra)**

***Executive Summary***

## **EXECUTIVE SUMMARY**

This Report has been prepared for the proposed sand ghat over the area of 1.60 haat River Nalli adjoining Gut. No. Hingangaon- 195,206,207 Ingonda – 35,36,37,38,40,47,48,53,54,55,56,316,317,369,377,400,403,404,407,408,410,411,412,413,414, 415 Waterfall- 232, 233 ,291, 293 ,294 ,295 ,318 ,327, 328, 329 ,333 ,335,336,337,338,339 Rui –Mouza: Waterfall/ Ingonda/ Hingangaon Khu., Tehsil:Paranda, District: Osmanabad, Maharashtra in accordance with the Notification of MoEF S.O. 1533 dated 14th September 2006. The Ministry of Environment, Forest and Climate Change amended Principal Notification vide 141(E) dated 15th January 2016 and included Minor Minerals from 0 ha to 50 ha in the Principal Notification S.O. 1533 (E) dated 14.09.2006. Central Government made further amendments to the notification vide S.O. 2269(E) dated 01.07.2016. In obedience all relevant notifications to the principal Notification dated 14th September 2006, application for the excavation of sand ghat from proposed sand ghat is being submitted to SEIAA/SEAC, Maharashtra.

Sand is one of the most sought building materials for the construction purpose. Since Sand has hard texture and durability. It is used chiefly for construction, pavement of roads and imperviousness to moisture and acid. Sand is a perfect countertop material.

The mining for this sand ghat excavation is proposed to be carried out manually with opencast method of mining engaging labours with help of crow bars, hand shovel, pick axes and baskets. Loading will be carried out manually and transportation of mineral from the sand ghat to the depot by tractor with tipper arrangement. As the mineral is soft & loose in nature, drilling and blasting are not required. The proposed sand ghat area is located at Survey of India

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure Plan.In order to obtain environmental clearance as per the EIA Notification 2006 the Pre feasibility Report (PFR) is submitted along with the application Form I M for the project under consideration. The project is categorized as Category B2 vide Notification 141 (E) dated 15th January 2016.

**Table: Salient Features of the Project Site**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>A.</b>	<b>Nature of the Project</b>	Proposed Waterfall/ Ingonda/ Hingangaon Khu.sand ghat quarry (Minor Mineral)
<b>B.</b>	<b>Size of the Project</b>	
1.	Quarry Area	1.60 ha

**Proposed Waterfall/ Ingonda/ HingangaonKhu.Sand Ghat Project of Area 1.60 Hectare  
At Village- Waterfall/ Ingonda/ HingangaonKhu., Tehsil- Paranda, District-  
Osmanabad(Maharashtra)**

***Executive Summary***

2.	Proposed Production capacity	5654 Brass/Annum		
<b>C</b>	<b>Location Details</b>			
1.	Village	Waterfall/ Ingonda/ HingangaonKhu.		
2.	Tehsil	Paranda		
3.	District	Osmanabad		
4.	State	Maharashtra		
5.	Latitude & Longitude	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		B.P 1	18° 25'41.59"N	75°23 3.95"E
		B.P 2	18° 25'46.71"N	75°23'39.03"E
		B.P 3	18° 25'48.05"N	75°23'38.81"E
		B.P 4	18° 26 13.80"N	75°23'35.29"E
6.	Toposheet No.	47N/7		
<b>D</b>	<b>Environmental Settings of the Area</b>			
1.	River / water body	The quarry area is itself part of water body i.e. River-Nalli		
2.	Nearest Town / City/Village	Nearest Village: Dui village is at a distance of 2.0 Km towards NW from the Mining area.		
3.	Nearest Railway Station	The nearest railway station is located Sendri Railway Station, 20.20 Km away towards SE from ML		
4.	Nearest Airport	Pune Airport, 154.50 km away towards North		
5.	State Boundary	No State boundary passes through the project site		
6.	Seismic Zone	Zone – III (Moderate)		

**Proposed Waterfall/ Ingonda/ HingangaonKhu.Sand Ghat Project of Area 1.60 Hectare At Village- Waterfall/ Ingonda/ HingangaonKhu., Tehsil- Paranda, District- Osmanabad(Maharashtra)**

***Executive Summary***

		This is said to be the Moderate Seismic Zone.
<b>D</b>	<b>Cost Details</b>	
1.	Total Upset Price	Rs. 25126376/-
<b>E</b>	Requirements of The Project	
1.	Proposed Water Requirement	3.60 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	13 (Skilled and unskilled persons)

**AVAILABILITY OF WATER & ITS SOURCE**

The daily water demand for the proposed project is 3.60 KLD. It will be procured from the supply source of Village- Waterfall/ Ingonda/ HingangaonKhu.The detailed breakup of the water requirement is given below.

**Table: Water Demand**

<b>S. No.</b>	<b>Particulars</b>	<b>Quantity (KLD)</b>
1.	Domestic Purpose	0.60
2.	Dust Suppression / Water Sprinkling	2.0
3.	Green belt / Plantation	1.00
<b>Total</b>		<b>3.60</b>

**Proposed Waterfall/ Ingonda/ HingangaonKhu.Sand Ghat Project of Area 1.60 Hectare  
At Village- Waterfall/ Ingonda/ HingangaonKhu., Tehsil- Paranda, District-  
Osmanabad(Maharashtra)**

*Executive Summary*

**ENVIRONMENT MANAGEMENT PLAN**

<b>S. No.</b>	<b>Environmental Parameter</b>	<b>Activities</b>	<b>Predict Impact</b>	<b>EMP/Mitigation Measures</b>
1.	Water	Mining or extraction of sand	<p>Change in flow pattern</p> <p>Increase in depth may increase the flow velocity</p> <p>Change in surface water quality and ground water quality</p> <p>Waste water discharge</p>	<p>No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime.</p> <p>Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.</p> <p>Portable toilets will be used; hence no sewage/ liquid effluent will be generated.</p>
2.	Air	<p>Mining Activity, transportation of sand via vehicles or tractor movement</p> <p>Loading and unloading of mineral</p>	<p>Generation of fugitive dust may lead to Adverse effect of human health</p> <p>Stomatal index may be minimized due to dust deposit on leaf.</p>	<p>Green belt shall be developed within the premises as per CPCB guideline.</p> <p>Dust mask will be provided to the workers engaged.</p> <p>Regular water sprinkling on unpaved road.</p> <p>Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers.</p> <p>The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.</p>
3.	Noise	Traffic on nearby road to	Noise generation due to vehicular traffic and mining	Periodical monitoring of noise will be done.

**Proposed Waterfall/ Ingonda/ HingangaonKhu.Sand Ghat Project of Area 1.60 Hectare  
At Village- Waterfall/ Ingonda/ HingangaonKhu., Tehsil- Paranda, District-  
Osmanabad(Maharashtra)**

***Executive Summary***

		mining site.	activity	<p>No other equipments except the transportation vehicles will be allowed.</p> <p>Proper maintenance of vehicles and their silencers to minimize vibration and sound.</p> <p>Ear muffs will be provided to workers.</p> <p>Development of effective greenbelt which shall help in noise attenuation.</p> <p>Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling.</p> <p>Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.</p>
4.	Land	Mining or extraction of sand and transportation	<p>Damage of river bank due to access ramps to river bed, may cause soil erosion.</p> <p>Destruction of river bank interland and ecological due to extraction of sand.</p> <p>Surface degradation due to road network</p>	<p>Safety distance of 3m or 1/4th of the width of the river whichever is more will be left from both the bank of the river (as per "Sustainable Sand Mining Guidelines").</p> <p>Mining will not exceeds beyond the allowed extraction capacity.</p> <p>Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.</p>
5.	Ecology	Extraction of sand and	Short-term disturbance of habitats disturbance	The green belt/community forestry near river bank and approach road

**Proposed Waterfall/ Ingonda/ HingangaonKhu.Sand Ghat Project of Area 1.60 Hectare  
At Village- Waterfall/ Ingonda/ HingangaonKhu., Tehsil- Paranda, District-  
Osmanabad(Maharashtra)**

***Executive Summary***

		transportation	of wildlife populations from noise  Ecological impact surrounding habitat	will restrict the fugitive emission.
6.	Traffic Pattern	Increase of vehicular traffic	Traffic due to people coming to visit	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the project.

**PROVISION FOR CORPORATE SOCIAL RESPONSIBILITY (CSR)**

The CSR activities in the proposed project are according with the sand mining policy 03.09.2019

As per the sand mining policy it is proposed to give an amount of 25% depends upon cost excluding royalty from the lessee action value. The amount paid to the Gram Panchayat of the concerned village is to be spending on expenditure on school and Anganbadi repairs, making of ponds and other necessary works as per the Gram Panchayat. The said amount is payable to the panchayat if the sand ghat is actioned and excavation took place successfully

**FUND PROVISION FOR EMP**

Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures:

<b>S. No.</b>	<b>Particulars/Items</b>	<b>Control Measures</b>	<b>Amount (In Rs.)</b>
1.	Dust generation due to transportation material by. of tractor trolley & transportation of mineral	Environmental Baseline Monitoring (Air, Water, Noise etc.)	45,000/-
		Water Sprinkling	50,000/-
		Sand carrying trolleys will be Covered with Tarpaulin	10000/-
2.	Road and River bank maintenance	Proper Maintenance of Haul road	1,60,000/-
3.	Green Belt Development	Along River Bank	2,11,200/-

**Proposed Waterfall/ Ingonda/ HingangaonKhu.Sand Ghat Project of Area 1.60 Hectare  
At Village- Waterfall/ Ingonda/ HingangaonKhu., Tehsil- Paranda, District-  
Osmanabad(Maharashtra)**

***Executive Summary***

	(Rs. 400 per tree)	Along haul road	
4.	Security	Display Boards and other security measures (CCTV, Fencing etc)	40,000/-
5.	Occupational Health	Provision of PPE Kits and Periodic health check-up, Temporary Shed, Mobile toilet etc.	1,37,250/-
<b>Total</b>			<b>Rs. 6,53,450/-</b>

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**Proposed Jakepinpmri Sand Ghat Project of Area 1.25 Hectare At Village-  
Jakepinpmri, Tehsil- Paranda, District-Osmanabad(Maharashtra)**

***Executive Summary***

**EXECUTIVE SUMMARY**

This Report has been prepared for the proposed sand ghat over the area of 1.25 ha at River Ulfaadjoining Gut. No. 2, 3, 4Mouza: Jakepinpmri, Tehsil: Paranda, District: Osmanabad, Maharashtra in accordance with the Notification of MoEF S.O. 1533 dated 14th September 2006. The Ministry of Environment, Forest and Climate Change amended Principal Notification vide 141(E) dated 15th January 2016 and included Minor Minerals from 0 ha to 50 ha in the Principal Notification S.O. 1533 (E) dated 14.09.2006. Central Government made further amendments to the notification vide S.O. 2269(E) dated 01.07.2016. In obedience all relevant notifications to the principal Notification dated 14th September 2006, application for the excavation of sand ghat from proposed sand ghat is being submitted to SEIAA/SEAC, Maharashtra.

Sand is one of the most sought building materials for the construction purpose. Since Sand has hard texture and durability. It is used chiefly for construction, pavement of roads and imperviousness to moisture and acid. Sand is a perfect countertop material.

The mining for this sand ghat excavation is proposed to be carried out manually with opencast method of mining engaging labours with help of crow bars, hand shovel, pick axes and baskets. Loading will be carried out manually and transportation of mineral from the sand ghat to the depot by tractor with tipper arrangement. As the mineral is soft & loose in nature, drilling and blasting are not required. The proposed sand ghat area is located at Survey of India

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure Plan.In order to obtain environmental clearance as per the EIA Notification 2006 the Pre feasibility Report (PFR) is submitted along with the application Form I M for the project under consideration. The project is categorized as Category B2 vide Notification 141 (E) dated 15th January 2016.

**Table: Salient Features of the Project Site**

<b>S. No.</b>	<b>Particulars</b>	<b>Details</b>
<b>A.</b>	<b>Nature of the Project</b>	Proposed Jakepinpmri sand ghat quarry (Minor Mineral)
<b>B.</b>	<b>Size of the Project</b>	
1.	Quarry Area	1.25 ha
2.	Proposed Production capacity	2208 Brass/Annum



**Proposed Jakepinmri Sand Ghat Project of Area 1.25 Hectare At Village-  
Jakepinmri, Tehsil- Paranda, District-Osmanabad(Maharashtra)**

**Executive Summary**

<b>C</b>		<b>Location Details</b>		
1.	Village	Jakepinmri		
2.	Tehsil	Paranda		
3.	District	Osmanabad		
4.	State	Maharashtra		
5.	Latitude & Longitude	<b>Pillar</b>	<b>Latitude</b>	<b>Longitude</b>
		B.P 1	18° 20'58.45"N	75°31'03.43"E
		B.P 2	18° 20'48.41"N	75°31'12.83"E
		B.P 3	18° 21'18.05"N	75°31'83.81"E
		B.P 4	18° 21'28.44"N	75°31'35.47"E
6.	Toposheet No.	47N/7		
<b>D</b>		<b>Environmental Settings of the Area</b>		
1.	River / water body	The quarry area is itself part of water body i.e. River-Ulfa		
2.	Nearest Town / City/Village	Nearest Village: Jakepinmri is at a distance of 2.50 Km towards NE from the Mining area.		
3.	Nearest Railway Station	The nearest railway station is located Sendri Railway Station, 15.20 Km away towards SE from ML		
4.	Nearest Airport	Pune Airport, 150.50 km away towards North		
5.	State Boundary	No State boundary passes through the project site		
6.	Seismic Zone	Zone – II (Moderate)  This is said to be the Moderate Seismic Zone.		
<b>D</b>		<b>Cost Details</b>		
1.	Total Upset	Rs. 9812352/-		

**Proposed Jakepinmri Sand Ghat Project of Area 1.25 Hectare At Village-  
Jakepinmri, Tehsil- Paranda, District-Osmanabad(Maharashtra)**

***Executive Summary***

	Price	
E	Requirements of The Project	
1.	Proposed Water Requirement	3.50 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	13 (Skilled and unskilled persons)

**AVAILABILITY OF WATER & ITS SOURCE**

The daily water demand for the proposed project is 3.50 KLD. It will be procured from the supply source of Village- Jakepinmri. The detailed breakup of the water requirement is given below.

**Table: Water Demand**

<b>S. No.</b>	<b>Particulars</b>	<b>Quantity (KLD)</b>
1.	Domestic Purpose	0.60
2.	Dust Suppression / Water Sprinkling	1.90
3.	Green belt / Plantation	1.00
<b>Total</b>		<b>2.50</b>

**Proposed Jakepinmri Sand Ghat Project of Area 1.25 Hectare At Village-  
Jakepinmri, Tehsil- Paranda, District-Osmanabad(Maharashtra)**

***Executive Summary***

**ENVIRONMENT MANAGEMENT PLAN**

<b>S. No.</b>	<b>Environmental Parameter</b>	<b>Activities</b>	<b>Predict Impact</b>	<b>EMP/Mitigation Measures</b>
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3.	Noise	Traffic on nearby	Noise generation due to vehicular	Periodical monitoring of noise will be

**Proposed Jakepinmri Sand Ghat Project of Area 1.25 Hectare At Village- Jakepinmri, Tehsil- Paranda, District-Osmanabad(Maharashtra)**

***Executive Summary***

		road to mining site.	traffic and mining activity	<p>done.</p> <p>No other equipments except the transportation vehicles will be allowed.</p> <p>Proper maintenance of vehicles and their silencers to minimize vibration and sound.</p> <p>Ear muffs will be provided to workers.</p> <p>Development of effective greenbelt which shall help in noise attenuation.</p> <p>Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling.</p> <p>Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.</p>
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5.	Ecology	Extraction of sand	Short-term disturbance of	The green belt/community forestry near river bank and approach road

**Proposed Jakepinmri Sand Ghat Project of Area 1.25 Hectare At Village-  
Jakepinmri, Tehsil- Paranda, District-Osmanabad(Maharashtra)**

**Executive Summary**

		and transportation	habitats disturbance of wildlife populations from noise  Ecological impact surrounding habitat	will restrict the fugitive emission.
6.	Traffic Pattern	Increase of vehicular traffic	Traffic due to people coming to visit	Vehicular movement will be regulated inside the project with adequate roads and parking lots in the project.

**PROVISION FOR CORPORATE SOCIAL RESPONSIBILITY (CSR)**

The CSR activities in the proposed project are according with the sand mining policy 03.09.2019

As per the sand mining policy it is proposed to give an amount of 25% depends upon cost excluding royalty from the lessee action value. The amount paid to the Gram Panchayat of the concerned village is to be spending on expenditure on school and Anganbadi repairs, making of ponds and other necessary works as per the Gram Panchayat. The said amount is payable to the panchayat if the sand ghat is actioned and excavation took place successfully

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Following provisions are proposed to be taken for improving, control and monitoring of environment protection measures:

S. No.	Particulars/Items	Control Measures	Amount (In Rs.)
1.	Dust generation due to transportation material by. of tractor trolley & transportation of mineral	Environmental Baseline Monitoring (Air, Water, Noise etc.)	45,000/-
		Water Sprinkling	40,000/-
		Sand carrying trolleys will be Covered with Tarpaulin	10000/-
2.	Road and River bank maintenance	Proper Maintenance of Haul road & river bank	1,00,000/-
3.	Green Belt Development	Along River Bank	1,65,000/-

**Proposed Jakepinmri Sand Ghat Project of Area 1.25 Hectare At Village-  
Jakepinmri, Tehsil- Paranda, District-Osmanabad(Maharashtra)**

***Executive Summary***

	(Rs. 400 per tree)	Along haul road	
4.	Security	Display Boards and other security measures (CCTV, Fencing etc)	40,000/-
5.	Occupational Health	Provision of PPE Kits and Periodic health check-up, Temporary Shed, Mobile toilet etc.	1,37,250/-
<b>Total</b>			<b>Rs. 5,37,250/-</b>

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