EXECUTIVE SUMMARY

This Report has been prepared for the proposed sand ghat over the area of 3.85 ha at River Andhari adjoining Kh. No. Ajaypur- 162, 163, 164, 165, 168, 170 Gondsawari - 31, 32, 33, 34, 35, 36, 57, 58, 59, 60 Mouza: Ajaypur and Gondsawari, Tehsil: Chandrapur, District: Chandrapur, 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 Toposheet No: 55P/12 and falls between the Latitude 20°0'7.97"N – 20°0'6.89"N and Longitude 79°31'12.90"E - 79°31'12.52"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 6802 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Ajaypur-Gondsawari sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	3.85 ha
2.	Proposed	6802 Brass/Annum

	Production capacity	
C	**Location Details**	
1.	Village	Ajaypur and Gondsawari
2.	Tehsil	Chandrapur
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	
6.	Toposheet No.	55P/12
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Andhari
2.	Nearest Town / City/Village	Nearest Village: Gondsawari is at a distance of 1.20 Km towards NE from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Kelzar Railway Station, 5.20 Km away towards SE from ML
4.	Nearest Airport	Nagpur Airport, 130.50 km away towards North
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 7282700/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.90 KLD

Boundary Point	**Latitude**	**Longitude**
1	20° 0'7.97"N	79°31'12.90"E
2	20° 0'9.97"N	79°31'7.78"E
3	20° 0'11.42"N	79°31'5.70"E
4	20° 0'14.44"N	79°31'4.46"E
5	20° 0'17.87"N	79°31'3.95"E
6	20° 0'21.52"N	79°31'4.89"E
7	20° 0'26.44"N	79°31'6.94"E
8	20° 0'32.69"N	79°31'9.90"E
9	20° 0'36.32"N	79°31'10.79"E
10	20° 0'36.57"N	79°31'9.62"E
11	20° 0'33.04"N	79°31'8.74"E
12	20° 0'27.09"N	79°31'5.92"E
13	20° 0'21.84"N	79°31'3.64"E
14	20° 0'18.03"N	79°31'2.66"E
15	20° 0'14.19"N	79°31'3.22"E
16	20° 0'10.72"N	79°31'4.63"E
17	20° 0'9.04"N	79°31'7.10"E
18	20° 0'6.89"N	79°31'12.52"E

2.	Fuel requirement	N/A
3.	Man Power Requirement	08 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

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- Gondsawari. The detailed breakup of the water requirement is given below.

Table: Water Demand

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

ENVIRONMENT MANAGEMENT PLAN

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

				traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	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"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	40250/-
4.	Occupational Health & safety (Mobile toilet and PPE- Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,67,500/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 2.40 ha at River Uma adjoining Kh. No. 241, 242, 117, 114, 112, 111, Mouza: Akapur, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 55 P/12 and falls between the Latitude 20°3'51.90"N - 20°3'50.47"N and Longitude 79°42'20.71"E - 79°42'19.31"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 4240 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Akapur sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	2.40 ha
2.	Proposed Production capacity	4240 Brass/Annum
C	**Location Details**	

Proposed Akapur Sand Ghat Project of Area 2.40 Hectare at Village Akapur, Tehsil-Mul, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Akapur
2.	Tehsil	Mul
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	**Pillar** / **Latitude** / **Longitude** 1 / 20° 3'51.90"N / 79°42'20.71"E 2 / 20° 3'43.31"N / 79°42'31.05"E 3 / 20° 3'41.89"N / 79°42'29.66"E 4 / 20° 3'50.47"N / 79°42'19.31"E
6.	Toposheet No.	55 P/12
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Uma
2.	Nearest Town / City/Village	Nearest Village: Akapur is at a distance of 2.6 Km towards South from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Mul Railway Station at a distance of ~ 5.3 km in W direction from Project Site.
4.	Nearest Airport	Chandrapur Airport 51.24 km away towards W.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 4539600/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.10 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	8 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.10 KLD. It will be procured from the supply source of Village- Akapur. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.60
2.	Dust Suppression / Water Sprinkling	0.50
3.	Green belt / Plantation	1.00
Total		**2.10**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow

			ground water quality Waste water discharge	pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion.	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

			Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	40750/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	10000/-
Total		**2,73,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 0.675 ha at River Erai adjoining Gut no. 376, 377, 396, 397, Mouza: Ashta, Tehsil: Bhadravati, District: Chandrapur, 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 Toposheet No: No. 55 P /3 and falls between the Latitude 20°18'39.11"N - 20°18'38.79"N and Longitude 79°12'43.40"E - 79°12'43.01"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 1193 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Ashta sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	0.675 ha
2.	Proposed Production capacity	1193 Brass/Annum
C	**Location Details**	
1.	Village	Ashta

2.	Tehsil	Bhadravati
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	

Pillar	Latitude	Longitude
1	20°18'39.11"N	79°12'43.40"E
2	20°18'40.43"N	79°12'42.23"E
3	20°18'43.47"N	79°12'41.41"E
4	20°18'45.78"N	79°12'41.54"E
5	20°18'52.71"N	79°12'44.46"E
6	20°18'52.88"N	79°12'43.97"E
7	20°18'45.87"N	79°12'41.03"E
8	20°18'43.43"N	79°12'40.91"E
9	20°18'40.21"N	79°12'41.77"E
10	20°18'38.79"N	79°12'43.01"E

6.	Toposheet No.	55 P /3
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Erai
2.	Nearest Town / City/Village	Nearest Village: Ashta is at a distance of At a distance of ~ 1.80 km in NEE direction from the project site.
3.	Nearest Railway Station	The nearest railway station is located Warora Railway Station, 23.34 Km away towards SW from ML
4.	Nearest Airport	Chandrapur Morwa Airport, 35 km away towards South
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 1277300/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.80 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	08 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.80 KLD. It will be procured from the supply source of Village- Astha. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.80
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.80**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not

			water quality and ground water quality Waste water discharge	cause much change in flow pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportati	Damage of river bank due to access ramps to river bed, may cause soil	Safety distance of 3m or $1/4^{th}$ of the width of the river whichever is more will be left from both the bank of the river (as per

		on	erosion. Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	"Sustainable Sand Mining Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	40750/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	15000/-
Total		**2,78,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 5.0 ha at River Uma adjoining Kh. No. 51, 59, 58, 236, 260, 261, Mouza: Bhadurni, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 55P/14 and falls between the Latitude 20°09'19.16"N - 20°09'19.17"N and Longitude 79°39'50.68"E - 79°39'54.12"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 17668 Brass.

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.

Table1.0: Salient Features of the Project Site

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Bhadurni sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	5.0 ha
2.	Proposed Production capacity	17668 Brass/Annum

<table>
<tr><td>C</td><td colspan="2">Location Details</td></tr>
<tr><td>1.</td><td>Village</td><td>Bhadurni</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Mul</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td><table><tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1</td><td>20° 9'19.16"N</td><td>79°39'50.68"E</td></tr><tr><td>2</td><td>20° 9'35.35"N</td><td>79°39'49.03"E</td></tr><tr><td>3</td><td>20° 9'35.35"N</td><td>79°39'52.49"E</td></tr><tr><td>4</td><td>20° 9'19.17"N</td><td>79°39'54.12"E</td></tr></table></td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55 P /14</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Uma</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Dongargaon is at a distance of 2.50 Km towards East from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Mul Railway Station at a distance of ~11.20 km in South direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Airport 49.50 km away towards South West.</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Project Cost</td><td>Rs. 18,916,500/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>3.10 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>09 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & SOURCE WATER

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

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	1.80
3.	Green belt / Plantation	1.00
Total		**3.10**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not

			water quality and ground water quality Waste water discharge	cause much change in flow pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportati	Damage of river bank due to access ramps to river bed, may cause soil	Safety distance of 3m or $1/4^{th}$ of the width of the river whichever is more will be left from both the bank of the river (as per

		on	erosion. Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	"Sustainable Sand Mining Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	35750/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	152250/-
5.	Tarpaulin	10000/-
Total		**2,83,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 4.20 ha at River Uma adjoining Kh. No. 166 to 168, 177 to 180, Mouza: Bhejgaon, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 56M/9 and falls between the Latitude 19°58'47.18"N - 19°58'47.18"N and Longitude 79°40'31.39"E - 79°40'28.98"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 7420 Brass.

The Mining Plan and Progressive Mine Closure Plan have been approved by DGM govt. of Maharashtra. Copy of Mining Plan and Progressive Mine Closure.

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

S.No.	Particulars	Details
A.	**Nature of the Project**	Proposed Bhejgaon Sand Ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	4.20 ha
2.	Proposed Production capacity	7420 Brass/Annum
C	**Location Details**	
1.	Village	Bhejgaon

2.	Tehsil	Mul
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	**Pillar** / **Latitude** / **Longitude** 1 / 19°58'47.18"N / 79°40'31.39"E 2 / 19°59'6.69"N / 79°40'31.97"E 3 / 19°59'6.68"N / 79°40'29.57"E 4 / 19°58'47.18"N / 79°40'28.98"E
6.	Toposheet No.	56M/9
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Uma
2.	Nearest Town / City/Village	Nearest Village: Bhejgaon is at a distance of 1.45 Km towards West from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Mul Railway Station at a distance of ~39.20 km in West direction from Project Site.
4.	Nearest Airport	Chandrapur Airport 47.50 km away towards West.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 7,944,300/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.50 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	8 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

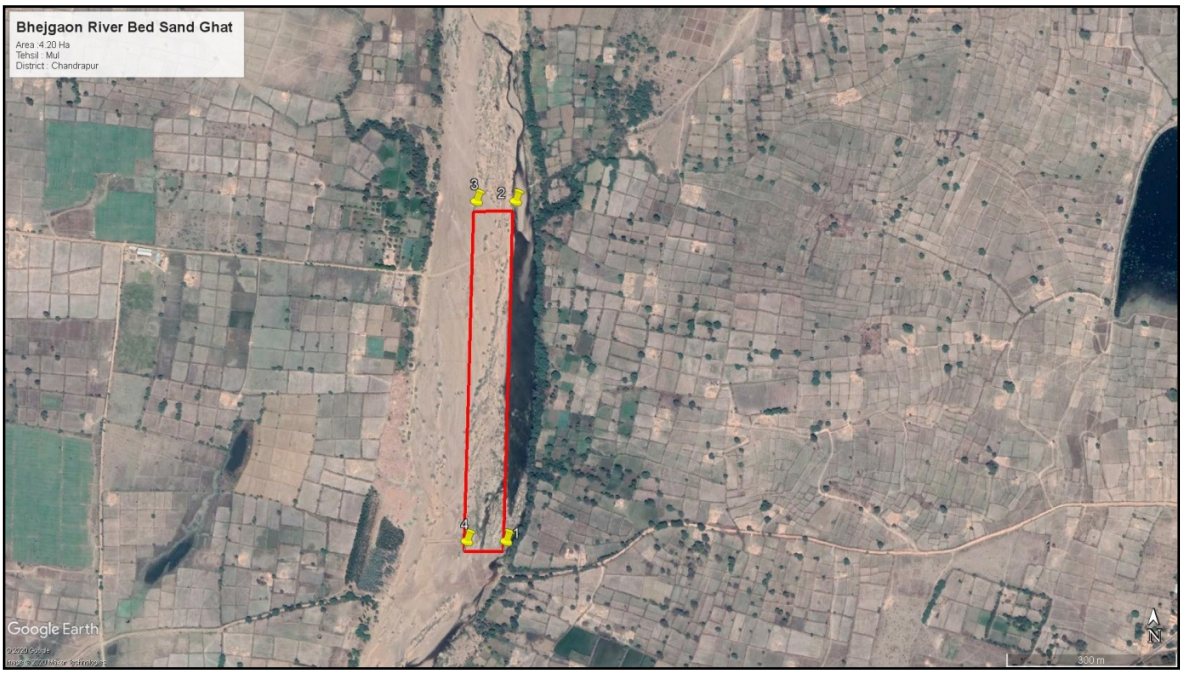

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.50 KLD. It will be procured from the supply source of Village- Bhejgaon. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.20
2.	Dust Suppression / Water Sprinkling	1.30
3.	Green belt / Plantation	1.00
Total		**2.50**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow

			ground water quality Waste water discharge	pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion.	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

			Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	40750/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	15000/-
Total		**2,78,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 4.0 ha at River Uma adjoining Kh. No. 289, 290, 292, 293, 300, 301, 303 Mouza: Borchandali, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 55P/12 and falls between the Latitude 20°01'56.95"N - 20°01'54.43"N and Longitude 79°41'13.24"E - 79°41'12.30"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 14134 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Borchandali sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	4.0 ha
2.	Proposed Production capacity	14134 Brass/Annum
C	**Location Details**	

Proposed Borchandali Sand Ghat Project of Area 4.0 Hectare at Village Borchandali, Tehsil- Mul, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Borchandali
2.	Tehsil	Mul
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	**Pillar** / **Latitude** / **Longitude** 1 / 20° 1'56.95"N / 79°41'13.24"E 2 / 20° 1'48.07"N / 79°41'27.65"E 3 / 20° 1'45.54"N / 79°41'26.71"E 4 / 20° 1'54.43"N / 79°41'12.30"E
6.	Toposheet No.	55 P /12
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Uma
2.	Nearest Town / City/Village	Nearest Village: Tada Tukum is at a distance of 1.50 Km towards SW from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Mul Railway Station at a distance of ~ 4.20 km in NW direction from Project Site.
4.	Nearest Airport	Chandrapur Airport 49.0 km away towards South West.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 15,132,800/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.50 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	10 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.50 KLD. It will be procured from the supply source of Village- Tada Tukum. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.40
2.	Dust Suppression / Water Sprinkling	1.10
3.	Green belt / Plantation	1.00
Total		**2.50**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not

			water quality and ground water quality Waste water discharge	cause much change in flow pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportati	Damage of river bank due to access ramps to river bed, may cause soil	Safety distance of 3m or $1/4^{th}$ of the width of the river whichever is more will be left from both the bank of the river (as per

		on	erosion. Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	"Sustainable Sand Mining Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	35750/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	144250/-
5.	Tarpaulin	10000/-
Total		**2,75,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 2.40 ha at River Uma adjoining Kh. No. 101, 117, 150, Mouza: Chak Dehgaon, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 56 M/9 and falls between the Latitude 19°58'17.37"N - 19°58'18.65"N and Longitude 79°40'5.71"E - 79°40'5.50"E The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 4240 Brass.

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

S.No.	Particulars	Details
A.	**Nature of the Project**	Proposed Chak Dehgaon Sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	2.40 ha
2.	Proposed Production capacity	4240 Brass/Annum
C	**Location Details**	

Proposed Chak Dehgaon Sand Ghat Project of Area 2.40 Hectare at Village- Chak Dehgaon, Tehsil- Mul, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Chak Dehgaon</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Mul</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>19°58'17.37"N</td><td>79°40'5.71"E</td></tr>
<tr><td>2</td><td>19°58'18.33"N</td><td>79°40'12.49"E</td></tr>
<tr><td>3</td><td>19°58'27.93"N</td><td>79°40'21.80"E</td></tr>
<tr><td>4</td><td>19°58'28.75"N</td><td>79°40'20.72"E</td></tr>
<tr><td>5</td><td>19°58'19.71"N</td><td>79°40'11.91"E</td></tr>
<tr><td>6</td><td>19°58'18.65"N</td><td>79°40'5.50"E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>56M /9</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Uma</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Mal Dehgaon is at a distance of 0.5 Km towards South from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Mul Railway Station at a distance of ~ 8.50 km in N direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Airport 47.0 km away towards W.</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 45,39,600/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.60 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>10(Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

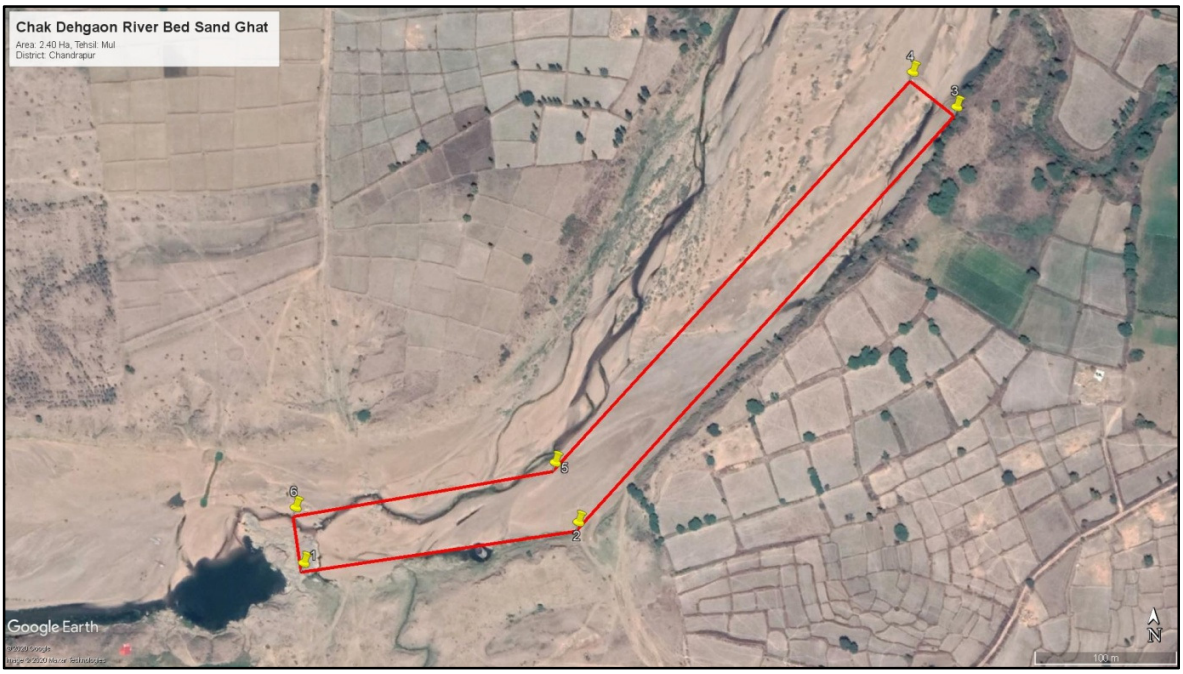

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE:

The daily water demand for the proposed project is 2.60 KLD. It will be procured from the supply source of Village- Chak Dehgaon. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.40
2.	Dust Suppression / Water Sprinkling	1.20
3.	Green belt / Plantation	1.00
Total		**2.60**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not

			water quality and ground water quality Waste water discharge	cause much change in flow pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportati	Damage of river bank due to access ramps to river bed, may cause soil	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

		on	erosion. Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	"Sustainable Sand Mining Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	40750/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	15000/-
Total		**2,78,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 2.00 ha at River Uma adjoining Kh. No. 445, 442, 439 & 438 Mouza: Chinchala, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 55P/12 and falls between the Latitude 20°01'31.29"N – 20°01'30.41"N and Longitude 79°41'53.05"E – 79°41'52.04"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 3534 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Chinchala Sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	2.00 ha
2.	Proposed Production capacity	3534 Brass/Annum

<table>
<tr><td>C</td><td colspan="2">Location Details</td></tr>
<tr><td>1.</td><td>Village</td><td>Chinchala</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Mul</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Boundary Point</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>20° 1'31.29"N</td><td>79°41'53.05"E</td></tr>
<tr><td>2</td><td>20° 1'42.66"N</td><td>79°41'40.76"E</td></tr>
<tr><td>3</td><td>20° 1'41.79"N</td><td>79°41'39.75"E</td></tr>
<tr><td>4</td><td>20° 1'30.41"N</td><td>79°41'52.04"E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55P/12</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Uma</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Tadala Tukam is at a distance of 2.10 Km towards West from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Mul Railway Station at a distance of ~ 4.80 km in NW direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Airport 51.24 km away towards W.</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 37,83,800/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.10 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>10 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

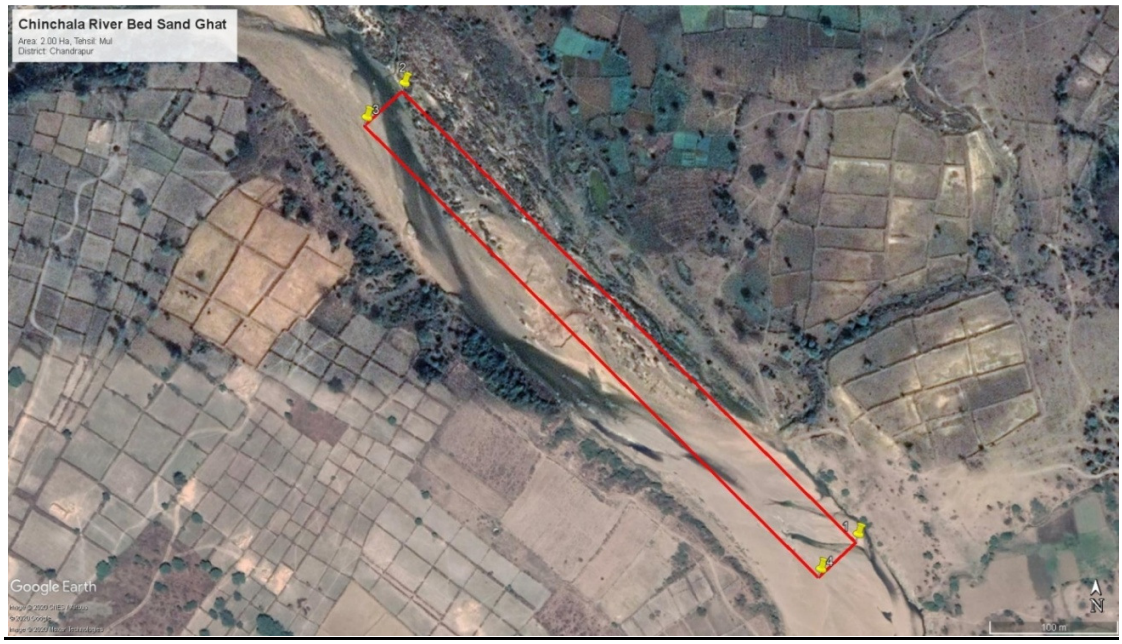

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.10 KLD. It will be procured from the supply source of Village- Tadala Tukam. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	0.80
3.	Green belt / Plantation	1.00
Total		**2.10**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	38000/-
3.	Unpaved/ Haul road maintenance	40750/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	15000/-
Total		**2,76,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 4.20 ha at River Uma adjoining Kh. No. 287, 247/2, 202, 201, 203, 247, 247/1, 246, 252, 286, 248, 249, 253, 310/1, 319, 314 & 309 Mouza: Chitegaon, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 55P/12 and falls between the Latitude 20°05'45.41"N – 20°05'44.12"N and Longitude 79°41'2.81"E – 79°41'2.97"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 7420 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Chitegaon sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	4.20 ha
2.	Proposed Production capacity	7420 Brass/Annum
C	**Location Details**	

Proposed Chitegaon Sand Ghat Project of Area 4.20 Hectare At Village- Chitegaon, Tehsil- Mul, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Chitegaon
2.	Tehsil	Mul
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	
6.	Toposheet No.	55P/12
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Uma
2.	Nearest Town / City/Village	Nearest Village: Morwahi Chak is at a distance of 1.5 Km towards North East from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Mul Railway Station at a distance of ~5.33 km in SW direction from Project Site.
4.	Nearest Airport	Chandrapur Airport 49.50 km away towards SSW.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 79,44,300/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.00 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	8 (Skilled and unskilled persons)

Pillar	**Latitude**	**Longitude**
1	20° 5'45.41"N	79°41'2.81"E
2	20° 5'43.57"N	79°40'48.88"E
3	20° 5'45.20"N	79°40'42.52"E
4	20° 5'43.95"N	79°40'42.15"E
5	20° 5'42.29"N	79°40'48.80"E
6	20° 5'44.12"N	79°41'2.97"E

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

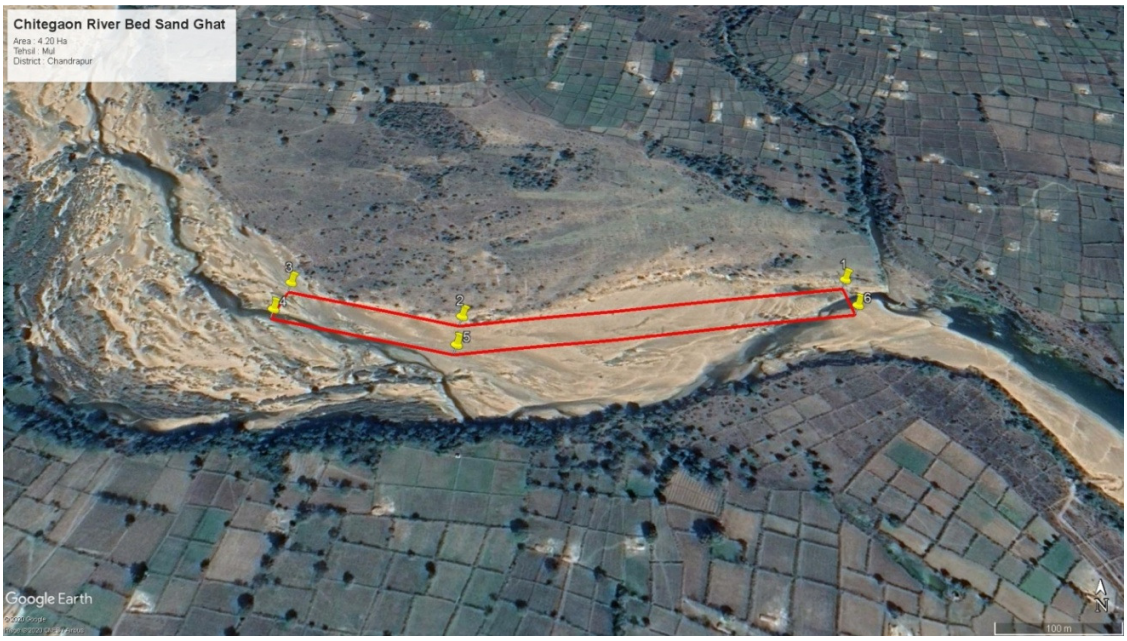

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.00 KLD. It will be procured from the supply source of Village- Morwahi chak. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.20
2.	Dust Suppression / Water Sprinkling	0.80
3.	Green belt / Plantation	1.00
Total		**2.00**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	55750/-
3.	Unpaved/ Haul road maintenance	40000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	10000/-
Total		**2,88,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 0.60 ha at River Wardha adjoining Kh. No. 296 Mouza: Ghughus, Tehsil: Chandrapur, District: Chandrapur, 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 Toposheet No: 56M/1 and falls between the Latitude 19°55'53.69" N – 19°55'53.69" N and Longitude 79°05'22.65" E – 79°05'21.96" E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 1060 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Ghughus sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	0.60 ha
2.	Proposed Production capacity	1060 Brass/Annum
C	**Location Details**	

Proposed Ghughus Sand Ghat Project of Area 0.6 Hectare At Village- Ghughus, Tehsil- Chandrapur, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Ghughus</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Chandrapur</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>19° 55' 53.69" N</td><td>79° 05' 22.65" E</td></tr>
<tr><td>2</td><td>19° 55' 43.95" N</td><td>79° 05' 23.17" E</td></tr>
<tr><td>3</td><td>19° 55' 43.95" N</td><td>79° 05' 22.49" E</td></tr>
<tr><td>4</td><td>19° 55' 53.69" N</td><td>79° 05' 21.96" E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>56M /1</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Wardha</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Ghughus is at a distance of 0.30 Km towards South from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Chandur Railway Station, 2.66 Km away towards NE</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Morwa Airport, 15.43 km away towards NE</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 11,34,900/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.30 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>08 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.30 KLD. It will be procured from the supply source of Village- Ghughus. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.30**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow

			ground water quality Waste water discharge	pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion.	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

			Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	35250/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000
Total		**2,62,500**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.20 ha at River Uma adjoining Kh. No. 300, 301 & 302 Mouza: Gondeda, Tehsil: Chimur, District: Chandrapur, 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 Toposheet No: 55P/07 and falls between the Latitude 20°24'31.18"N – 20°24'31.73"N and Longitude 79°28'46.82"E – 79°28'44.83"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 2120 Brass.

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

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

Proposed Gondeda Sand Ghat Project of Area 1.20 Hectare At Village- Gondeda, Tehsil- Chimur, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Gondeda</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Chimur</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td><table><tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1</td><td>20°24'31.18"N</td><td>79°28'46.82"E</td></tr><tr><td>2</td><td>20°24'37.56"N</td><td>79°28'48.16"E</td></tr><tr><td>3</td><td>20°24'38.11"N</td><td>79°28'46.17"E</td></tr><tr><td>4</td><td>20°24'31.73"N</td><td>79°28'44.83"E</td></tr></table></td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55P/07</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Uma</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Gondeda is at a distance of 0.90 Km towards SW from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Sindewahi Railway Station at a distance of ~22.45 km in South East direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Nagpur Airport 87.50 km away towards NNW</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Project Cost</td><td>Rs. 22,69,800/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.10 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>8 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.10 KLD. It will be procured from the supply source of Village- Gondeda. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	0.80
3.	Green belt / Plantation	1.00
Total		**2.10**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	45000/-
3.	Unpaved/ Haul road maintenance	35750/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,68,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.95 ha at River Andhari adjoining Kh. No. 300, 302, 303 Mouza: Gondsawari, Tehsil: Chandrapur, District: Chandrapur, 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 Toposheet No: 55P/12 and falls between the Latitude 20°0'7.34"N – 20°0'6.43"N and Longitude 79°31'54.56"E - 79°31'54.93"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 3445 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Gondsawari sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	1.95 ha
2.	Proposed Production capacity	3445 Brass/Annum
C	**Location Details**	

Proposed Gondsawari Sand Ghat Project of Area 1.95 Hectare at Village- Gondsawari Tehsil- Chandrapur, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Gondsawari</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Chandrapur</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
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<tr><td>1</td><td>20° 0'7.34"N</td><td>79°31'54.56"E</td></tr>
<tr><td>2</td><td>20° 0'7.89"N</td><td>79°31'55.69"E</td></tr>
<tr><td>3</td><td>20° 0'8.07"N</td><td>79°31'59.02"E</td></tr>
<tr><td>4</td><td>20° 0'5.31"N</td><td>79°32'5.63"E</td></tr>
<tr><td>5</td><td>20° 0'5.12"N</td><td>79°32'8.80"E</td></tr>
<tr><td>6</td><td>20° 0'6.04"N</td><td>79°32'10.71"E</td></tr>
<tr><td>7</td><td>20° 0'9.30"N</td><td>79°32'13.65"E</td></tr>
<tr><td>8</td><td>20° 0'8.73"N</td><td>79°32'14.48"E</td></tr>
<tr><td>9</td><td>20° 0'5.20"N</td><td>79°32'11.41"E</td></tr>
<tr><td>10</td><td>20° 0'4.12"N</td><td>79°32'9.10"E</td></tr>
<tr><td>11</td><td>20° 0'4.31"N</td><td>79°32'5.40"E</td></tr>
<tr><td>12</td><td>20° 0'7.09"N</td><td>79°31'58.90"E</td></tr>
<tr><td>13</td><td>20° 0'6.96"N</td><td>79°31'56.02"E</td></tr>
<tr><td>14</td><td>20° 0'6.43"N</td><td>79°31'54.93"E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55P/12</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Andhari</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Gondsawari is at a distance of 1.20 Km towards North from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Kelzar Railway Station, 3.65 Km away towards SE from ML</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Nagpur Airport, 135.50 km away towards North</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 36,88,500/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.10 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>08 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

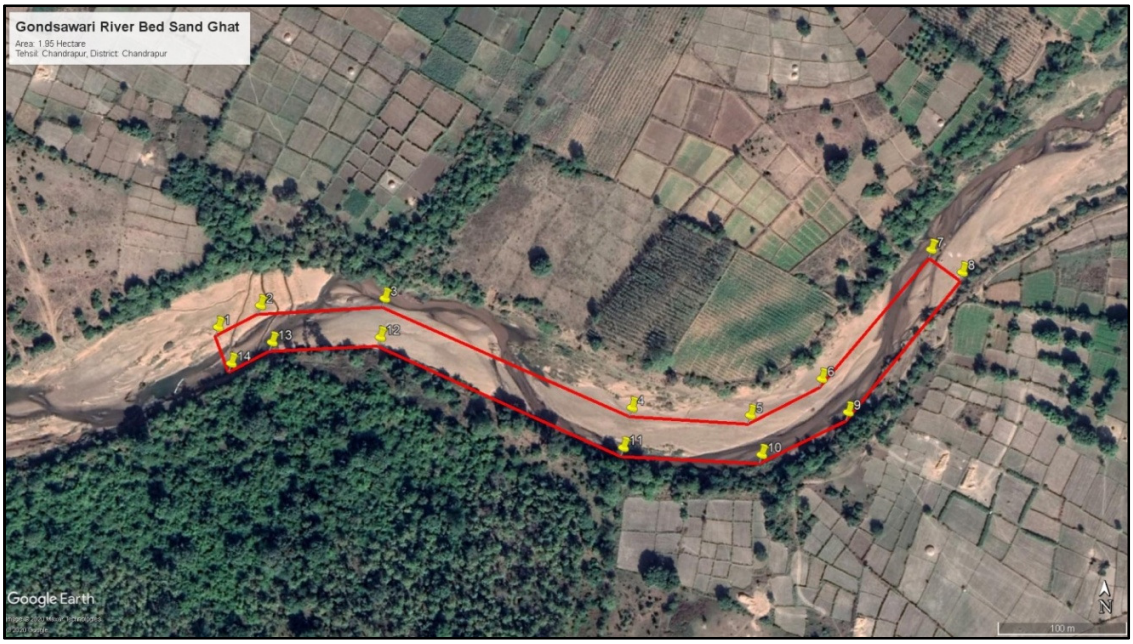

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.10 KLD. It will be procured from the supply source of Village- Gondsawari. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	0.80
3.	Green belt / Plantation	1.00
Total		**2.10**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not

			water quality and ground water quality Waste water discharge	cause much change in flow pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportati	Damage of river bank due to access ramps to river bed, may cause soil	Safety distance of 3m or $1/4^{th}$ of the width of the river whichever is more will be left from both the bank of the river (as per

		on	erosion. Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	"Sustainable Sand Mining Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	35250/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,62,500/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 0.75 ha at River Andhari adjoining Kh. No. 7 & 8 Mouza: Jungaon, Tehsil: Pombhurna, District: Chandrapur, 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 Toposheet No: 56M/13 and falls between the Latitude 19°53'15.39" N - 19°53'14.25" N and Longitude 79°47'47.16" E - 79°47'48.38" E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 1325 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Jungaon sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	0.75 ha
2.	Proposed Production capacity	1325 Brass/Annum
C	**Location Details**	

Proposed Jungaon Sand Ghat Project of Area 0.75 Hectare At Village- Jungaon, Tehsil- Pombhurna, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Jungaon
2.	Tehsil	Pombhurna
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	**Pillar** / **Latitude** / **Longitude** 1 / 19°53'15.39"N / 79°47'47.16"E 2 / 19°53'18.60"N / 79°47'51.05"E 3 / 19°53'17.46"N / 79°47'52.27"E 4 / 19°53'14.25"N / 79°47'48.38"E
6.	Toposheet No.	56M/13
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Andhari.
2.	Nearest Town / City/Village	Nearest Village: Jungaon is at a distance of 1.2 Km towards NE from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Mul Railway Station at a distance of ~23.335 km in NW direction from Project Site.
4.	Nearest Airport	Chandrapur Airport 61.0 km away towards NW.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 14,18,700/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.00 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	8 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.00 KLD. It will be procured from the supply source of Village- Jungaon. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.20
2.	Dust Suppression / Water Sprinkling	0.80
3.	Green belt / Plantation	1.00
Total		**2.00**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow

			ground water quality Waste water discharge	pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion.	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

			Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	25000/-
3.	Unpaved/ Haul road maintenance	35250/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5500/-
Total		**2,48,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.25 ha at River Uma adjoining Kh. No. 80, 81, 82 & 83, Mouza: Kag, Tehsil: Chimur, District: Chandrapur, 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 Toposheet No: 55 P/07 and falls between the Latitude 20°28'13.43"N - 19º 20°28'14.73"N and Longitude 79°24'34.28"E - 79°24'35.29"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 2208 Brass.

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

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

Proposed Kag Sand Ghat Project of Area 1.25 Hectare At Village- Kag, Tehsil- Chimur, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Kag</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Chimur</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>20°28'13.43"N</td><td>79°24'34.28"E</td></tr>
<tr><td>2</td><td>20°28'15.03"N</td><td>79°24'32.96"E</td></tr>
<tr><td>3</td><td>20°28'17.05"N</td><td>79°24'26.85"E</td></tr>
<tr><td>4</td><td>20°28'18.59"N</td><td>79°24'27.43"E</td></tr>
<tr><td>5</td><td>20°28'16.38"N</td><td>79°24'33.88"E</td></tr>
<tr><td>6</td><td>20°28'14.73"N</td><td>79°24'35.29"E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55P/07</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Uma</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Kag is at a distance of 0.55 Km towards West from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Nagbhir Railway Station at a distance of ~32.65 km in South direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Airport 56.10 km away towards SW.</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 23,64,100/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.25 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>10 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.25 KLD. It will be procured from the supply source of Village- Kag. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.40
2.	Dust Suppression / Water Sprinkling	0.85
3.	Green belt / Plantation	1.00
Total		**2.25**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	25750/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,53,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.75 ha at at River Wardha adjoining Kh. No. 145, 146, & 147 Mouza: Karanji, Tehsil: Warora, District: Chandrapur, 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 Toposheet No: 55L/16 and falls between the Latitude 20°10'0.10"N – 20° 9'57.91"N and Longitude 78°57'57.27"E - 78°57'56.56"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 3092 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Karanji sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	1.75 ha
2.	Proposed Production capacity	3092 Brass/Annum
C	**Location Details**	

Proposed Karanji Sand Ghat Project of Area 1.75 Hectare At Village- Ghughus, Tehsil-Warora, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Karanji</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Warora</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td><table><tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1</td><td>20°10'0.10"N</td><td>78°57'57.27"E</td></tr><tr><td>2</td><td>20°10'1.43"N</td><td>78°57'48.78"E</td></tr><tr><td>3</td><td>20° 9'59.24"N</td><td>78°57'48.07"E</td></tr><tr><td>4</td><td>20° 9'57.91"N</td><td>78°57'56.56"E</td></tr></table></td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55L/16</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Wardha</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Karanji is at a distance of 2.00 Km towards North from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Marji Khadan Railway Station, 8.29 Km away towards SSE Direction</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Morwa Airport, 32.90 km away towards SSE</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 33,10,500/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.20 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>08 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.20 KLD. It will be procured from the supply source of Village- Karanji. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.40
2.	Dust Suppression / Water Sprinkling	0.80
3.	Green belt / Plantation	1.00
Total		**2.20**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	35000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	132250/-
5.	Tarpaulin	5000/-
Total		**2,57,250/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.05 ha at Khambala Nallah adjoining Kh. No. 34, 35, 36 Mouza: Khambala, Tehsil: Rajura, District: Chandrapur, 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 Toposheet No: 56 M/9 and falls between the Latitude 19°39'26.11"N - 19°39'26.26"N and Longitude 79°24'54.44"E - 79°24'53.95"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 1113 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Khambala sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	1.05 ha
2.	Proposed Production capacity	1113 Brass/Annum
C	**Location Details**	

Proposed Khambala Sand Ghat Project of Area 1.05 Hectare At Village- Khambala, Tehsil- Rajura, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Khambala
2.	Tehsil	Rajura
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	

Pillar	Latitude	Longitude
1	19°39'26.11"N	79°24'54.44"E
2	19°39'20.43"N	79°24'52.09"E
3	19°39'16.67"N	79°24'52.03"E
4	19°39'13.41"N	79°24'56.63"E
5	19°39'6.94"N	79°25'0.55"E
6	19°39'6.70"N	79°25'0.10"E
7	19°39'13.10"N	79°24'56.22"E
8	19°39'16.43"N	79°24'51.56"
9	19°39'20.47"N	79°24'51.55"E
10	19°39'26.26"N	79°24'53.95"E

6.	Toposheet No.	56 M/9
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. Khambala Nallah
2.	Nearest Town / City/Village	Nearest Village: Khambala is at a distance of 1.55 Km towards NNE from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Wirur Railway Station, 1.85 Km away towards SE from ML
4.	Nearest Airport	Nagpur Airport, 168.50 km away towards NNW.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 11,91,700/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.80 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	10 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.80 KLD. It will be procured from the supply source of Village- Khambala. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.80
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.80**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow

			ground water quality Waste water discharge	pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion.	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

			Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	35000/-
3.	Unpaved/ Haul road maintenance	25000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,47,250/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 2.25 ha at River Penganga adjoining Kh. No. 5, 7, 8, Mouza: Kodshi Khu , Tehsil: Korpana, District: Chandrapur, 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 Toposheet No: 56M/1 and falls between the Latitude 19°48'20.89"N – 19°48'23.79"N and Longitude 79° 0'18.36"E - 79° 0'18.83"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 3975 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Kodshi Khu sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	2.25 ha
2.	Proposed Production capacity	3975 Brass/Annum
C	**Location Details**	

Proposed Proposed Kodshi Khu Sand Ghat Project of Area 2.25 Hectare At Village Kodshi Khu, Tehsil- Korpana, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Kodshi Khu</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Korpana</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td><table><tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1</td><td>19°48'20.89"N</td><td>79° 0'18.36"E</td></tr><tr><td>2</td><td>19°48'20.49"N</td><td>79° 0'26.93"E</td></tr><tr><td>3</td><td>19°48'23.38"N</td><td>79° 0'27.40"E</td></tr><tr><td>4</td><td>19°48'23.79"N</td><td>79° 0'18.83"E</td></tr></table></td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>56 M/1</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Penganga</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Kodshi Khu is at a distance of 0.30 Km towards South from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Kayar Railway Station at a distance of ~ 15.10 km in NW direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Nagpur Airport 147.50 km away towards North.</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Project Cost</td><td>Rs. 42,55,900/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>3.30 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>10 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 3.30 KLD. It will be procured from the supply source of Village- Kodhsi Khu. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.80
2.	Dust Suppression / Water Sprinkling	1.50
3.	Green belt / Plantation	1.00
Total		**3.30**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow

			ground water quality Waste water discharge	pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion.	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

			Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40000/-
3.	Unpaved/ Haul road maintenance	35250/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,62,500/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 0.24 ha at River Irai adjoining Kh. No. 50, 59, 49, 48, 43, 53, 42, Mouza: Kokewada Ma, Tehsil: Bhadravati, District: Chandrapur, 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 Toposheet No: 55 P/12 and falls between the Latitude 20°16'44.82"N – 20°16'44.26"N and Longitude 79°13'9.79"E - 79°13'9.62"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 429 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Kokewada Ma sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	0.24 ha
2.	Proposed Production	429 Brass/Annum

<table>
<tr><td></td><td>capacity</td><td></td></tr>
<tr><td>C</td><td colspan="2">Location Details</td></tr>
<tr><td>1.</td><td>Village</td><td>Kokewada Ma</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Bhadravati</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Boundary Point</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>20°16'44.82"N</td><td>79°13'9.79"E</td></tr>
<tr><td>2</td><td>20°16'46.35"N</td><td>79°13'5.43"E</td></tr>
<tr><td>3</td><td>20°16'45.79"N</td><td>79°13'5.26"E</td></tr>
<tr><td>4</td><td>20°16'44.26"N</td><td>79°13'9.62"E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55 P/12</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Irai</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Kokewada Ma is at a distance of 2.10 Km towards SE from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Warora Railway Station, 22.00 km towards West direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Nagpur Airport, 96.50 km away towards North</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Project Cost</td><td>Rs. 4,59,400/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>3.30 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>08 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 3.30 KLD. It will be procured from the supply source of Village- Parodhi. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	2.00
3.	Green belt / Plantation	1.00
Total		**3.30**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	25000/-
3.	Unpaved/ Haul road maintenance	25000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,37,250/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 5.0 ha at River Wainganga adjoining Kh. No. 75, 78, 79, 80, Mouza: Kolari, Tehsil: Brahmapuri, District: Chandrapur, 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 Toposheet No: 55P/10 and falls between the Latitude 20°43'40.44" N - 20°43'42.97" N and Longitude 79°46'20.62" E - 79°46'22.78" E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 17668 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Kolari sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	5.0 ha
2.	Proposed Production capacity	17668 Brass/Annum
C	**Location Details**	

Proposed Proposed Kolari Sand Ghat Project of Area 5.0 Hectare At Village- Kolari, Tehsil- Brahmapuri, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Kolari</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Brahmapuri</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>20°43'40.44"N</td><td>79°46'20.62"E</td></tr>
<tr><td>2</td><td>20°43'30.75"N</td><td>79°46'34.49"E</td></tr>
<tr><td>3</td><td>20°43'33.28"N</td><td>79°46'36.66"E</td></tr>
<tr><td>4</td><td>20°43'42.97"N</td><td>79°46'22.78"E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55P/10</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Wainganga</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Kolari is at a distance of 0.90 Km towards SW from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Tempa Railway Station at a distance of ~18.0 km in South West direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Nagpur Airport 85.54 km away towards NW.</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 18,916,500/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>3.20 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>10 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

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- Kolari. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.85
2.	Dust Suppression / Water Sprinkling	1.35
3.	Green belt / Plantation	1.00
Total		**3.20**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	55750/-
3.	Unpaved/ Haul road maintenance	45000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	10000/-
Total		**2,93,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 5.00 ha at River Uma adjoining Kh. No. 240, 242, 243, 244, 245, 425, 426 Mouza: Kosambi , Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 55P /12 and falls between the Latitude 20°06'0.74"N - 20°06'3.00"N and Longitude 79°40'16.96"E - 79°40'19.48"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 17668 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Kosambi sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	5.0 ha
2.	Proposed Production	17668 Brass/Annum

<table>
<tr><td></td><td>capacity</td><td></td></tr>
<tr><td>C</td><td colspan="2">Location Details</td></tr>
<tr><td>1.</td><td>Village</td><td>Kosambi</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Mul</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Boundary Point</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>20°06'0.74"N</td><td>79°40'16.96"E</td></tr>
<tr><td>2</td><td>20°05'50.91"N</td><td>79°40'30.66"E</td></tr>
<tr><td>3</td><td>20°05'53.17"N</td><td>79°40'33.18"E</td></tr>
<tr><td>4</td><td>20°06'3.00"N</td><td>79°40'19.48"E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55P /12</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Uma</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Morwahi Chakis at a distance of 1.20 Km towards NE from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Mul Railway Station at a distance of ~ 5.10 km in SW direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Airport 48.0 km away towards W.</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 18,916,500/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.80 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>10 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.80 KLD. It will be procured from the supply source of Village- Kosambi. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.80
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.80**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water quality	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river. Portable toilets will be used;

			Waste water discharge	hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river bank interland and	Safety distance of 3m or $1/4^{th}$ 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"). Mining will not exceeds beyond

			ecological due to extraction of sand. Surface degradation due to road network	the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	50750/-
3.	Unpaved/ Haul road maintenance	35000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	10000/-
Total		**2,78,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 5.0 ha at River Uma adjoining Kh. No. 74, 75, 76, 77, 80 Mouza: Lalchichbodi, Tehsil: Sindhewahi, District: Chandrapur, 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 Toposheet No: 55 P/11 and falls between the Latitude 20°16'38.33"N - 1920°16'36.87"N and Longitude 79°35'47.71"E - 79°35'46.95"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 8834 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Lalchichbodi sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	5.0 ha
2.	Proposed Production capacity	8834 Brass/Annum
C	**Location Details**	

Proposed Lalchichbodi Sand Ghat Project of Area 5.0 Hectare at Village Lalchichbodi, Tehsil- Sindhewahi, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Lalchichbodi</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Sindhewahi</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>20°16'38.33"N</td><td>79°35'47.71"E</td></tr>
<tr><td>2</td><td>20°16'44.91"N</td><td>79°35'33.67"E</td></tr>
<tr><td>3</td><td>20°16'50.40"N</td><td>79°35'29.17"E</td></tr>
<tr><td>4</td><td>20°16'57.14"N</td><td>79°35'27.87"E</td></tr>
<tr><td>5</td><td>20°17'1.07"N</td><td>79°35'28.03"E</td></tr>
<tr><td>6</td><td>20°17'0.76"N</td><td>79°35'26.34"E</td></tr>
<tr><td>7</td><td>20°16'56.93"N</td><td>79°35'26.16"E</td></tr>
<tr><td>8</td><td>20°16'49.66"N</td><td>79°35'27.64"E</td></tr>
<tr><td>9</td><td>20°16'43.67"N</td><td>79°35'32.63"E</td></tr>
<tr><td>10</td><td>20°16'36.87"N</td><td>79°35'46.95"E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55P/11</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Uma</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Lalchichbodi is at a distance of 1.71 Km towards West from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Sindewahi Railway Station at a distance of~ 7.7 km towards NE direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Morwa Airport 50.50 km away towards SW.</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 94,58,300/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.85 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>10 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

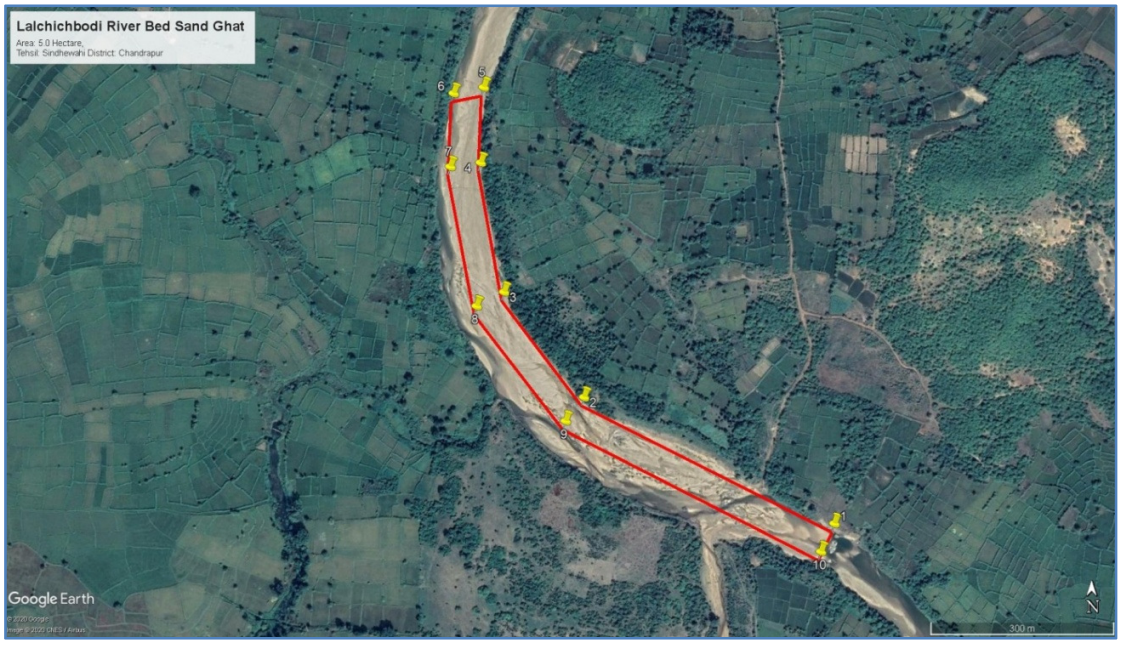

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.85 KLD. It will be procured from the supply source of Village- Wasera. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.85
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.85**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	45750/-
3.	Unpaved/ Haul road maintenance	35000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	8000/-
Total		**2,71,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 2.0 ha at River Wardha adjoining Kh. No. 237, 240/1, 240/2, 240/3, Mouza: Mangaon, Tehsil: Bhadravati, District: Chandrapur, 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 Toposheet No: 55 N/16 and falls between the Latitude 20°8'37.03"N – 20°8'38.08"N and Longitude 78°58'11.90"E - 78°58'8.64"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 3534 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Mangaon sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	2.0 ha
2.	Proposed Production capacity	3534 Brass/Annum
C	**Location Details**	

Proposed Mangaon Sand Ghat Project of Area 2.0 Hectare At Village- Mangaon, Tehsil- Bhadravati, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Mangaon
2.	Tehsil	Bhadravati
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	**Pillar** / **Latitude** / **Longitude** 1 / 20° 8'37.03"N / 78°58'11.90"E 2 / 20° 8'30.70"N / 78°58'10.35"E 3 / 20° 8'31.75"N / 78°58'7.07"E 4 / 20° 8'38.08"N / 78°58'8.64"E
6.	Toposheet No.	55 N/16
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Wardha
2.	Nearest Town / City/Village	Nearest Village: Mangaonis at a distance of 0.30 Km towards South from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Majiri Railway Station, 7.50 Km away towards East from ML
4.	Nearest Airport	Nagpur Airport, 111.50 km away towards North
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 37,83,800/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.50 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	11 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.50 KLD. It will be procured from the supply source of Village- Mangaon. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.50
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.50**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	35500/-
3.	Unpaved/ Haul road maintenance	25000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,47,750/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 2.00 Ha at River Uma adjoining Kh. No. 544, 543, 542, 308, 306, 310, 311, 160, 158, 157 Mouza: Marhegaon, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 55P/12 and falls between the Latitude 20°05'15.07"N - 20°05'14.13"N and Longitude 79°41'24.52"E - 79°41'23.11"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 7067 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Marhegaon sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	2.0 ha
2.	Proposed Production	7067 Brass/Annum

<table>
<tr><td></td><td>capacity</td><td></td></tr>
<tr><td>C</td><td colspan="2">Location Details</td></tr>
<tr><td>1.</td><td>Village</td><td>Marhegaon</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Mul</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Boundary Point</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>20° 5'15.07"N</td><td>79°41'24.52"E</td></tr>
<tr><td>2</td><td>20° 5'25.43"N</td><td>79°41'16.20"E</td></tr>
<tr><td>3</td><td>20° 5'24.50"N</td><td>79°41'14.80"E</td></tr>
<tr><td>4</td><td>20° 5'14.13"N</td><td>79°41'23.11"E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>55P /12</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Uma</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Morwahi Chakis at a distance of 1.20 Km towards NE from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Mul Railway Station at a distance of ~ 5.0 km in SW direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Airport 50.0 km away towards W.</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 75,66,400/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.80 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>12 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.80 KLD. It will be procured from the supply source of Village- Marhegaon. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.80
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.80**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	45750/-
3.	Unpaved/ Haul road maintenance	45000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	10000/-
Total		**2,83,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 0.72 ha at River Wardha adjoining Kh. No. 53 Mouza: Nakoda, Tehsil: Chandrapur, District: Chandrapur, 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 Toposheet No: 56M/1 and falls between the 19°55'14.19" N – 19°55'13.98"N and Longitude 79°05'28.25" E – 79°05'27.60" E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 1272 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Nakoda sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	0.72 ha
2.	Proposed Production capacity	1272 Brass/Annum
C	**Location Details**	

Proposed Nakoda Sand Ghat Project of Area 0.72 Hectare At Village- Nakoda, Tehsil-Chandrapur, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Nakoda</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Chandrapur</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>19° 55' 14.19" N</td><td>79° 05' 28.25" E</td></tr>
<tr><td>2</td><td>19° 55' 06.61" N</td><td>79° 05' 31.34" E</td></tr>
<tr><td>3</td><td>19° 55' 03.74" N</td><td>79° 05' 33.61" E</td></tr>
<tr><td>4</td><td>19° 55' 03.41" N</td><td>79° 05' 33.02" E</td></tr>
<tr><td>5</td><td>19° 55' 06.28" N</td><td>79° 05' 30.75" E</td></tr>
<tr><td>6</td><td>19° 55' 13.98" N</td><td>79° 05' 27.60" E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>56M /1</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Wardha</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Nakoda is at a distance of 1.45 Km towards East from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Chandur Railway Station3.63 Km away towards NE</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Morwa Airport, 16.40 km away towards NE</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 1361900/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.30 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>08 (Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.30 KLD. It will be procured from the supply source of Village- Nakoda. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.30**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	35000/-
3.	Unpaved/ Haul road maintenance	25000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5500/-
Total		**2,47,750/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.25 Ha at River Uma adjoining Kh. No. 231, 229, 228, 227 , Mouza: Naleshwar, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 56M/9 and falls between the Latitude 19°58'13.54"N – 19°58'13.21"N and Longitude 79°37'22.25"E – 79°37'21.46"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 2208 Brass.

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

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

Proposed Naleshwar Sand Ghat Project of Area 1.25 Hectare At Village Naleshwar, Tehsil- Mul, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Naleshwar
2.	Tehsil	Mul
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	**Pillar** / **Latitude** / **Longitude** 1 / 19°58'13.54"N / 79°37'22.25"E 2 / 19°57'57.77"N / 79°37'26.44"E 3 / 19°57'57.44"N / 79°37'25.63"E 4 / 19°58'13.21"N / 79°37'21.46"E
6.	Toposheet No.	56M /9
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Uma
2.	Nearest Town / City/Village	Nearest Village: Uthal Peth is at a distance of 1.0 Km towards East from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Tolewahi Railway Station at a distance of ~ 5.5 km in North direction from Project Site.
4.	Nearest Airport	Chandrapur Airport 42.2 km away towards West.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 23,64,100/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.50 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	8 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

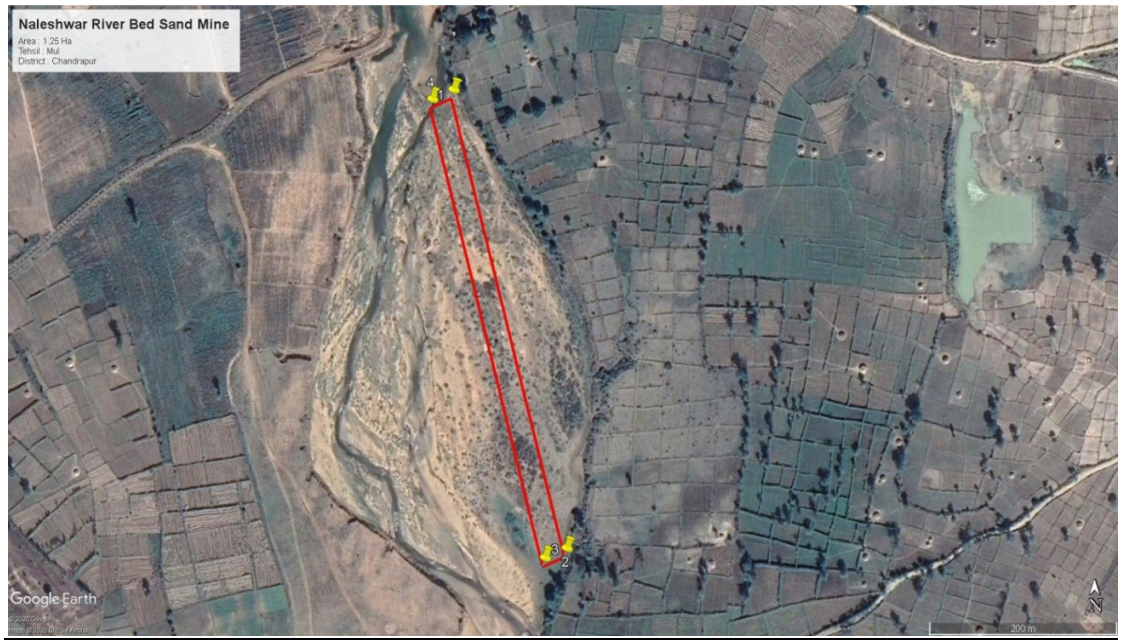

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.50 KLD. It will be procured from the supply source of Village- Naleshwar/Marhegaon. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.50
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.50**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow

			ground water quality Waste water discharge	pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion.	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

			Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	35750/-
3.	Unpaved/ Haul road maintenance	25000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,48,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.35 ha at River Penganga adjoining Kh. No. 1, 2, 12, 15 Mouza: Raipur, Tehsil: Korpana, District: Chandrapur, 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 Toposheet No: 56 I/13 and falls between the Latitude 19°45'30.87"N - 19°45'30.31"N and Longitude 78°52'41.82"E - 78°52'43.24"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 4770 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Raipur sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	1.35 ha
2.	Proposed Production capacity	4770 Brass/Annum
C	**Location Details**	

Proposed Raipur Sand Ghat Project of Area 1.35 Hectare At Village- Raipur, Tehsil-Korpana, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Raipur</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Korpana</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td><table><tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr><tr><td>1</td><td>19°45'30.87"N</td><td>78°52'41.82"E</td></tr><tr><td>2</td><td>19°45'39.82"N</td><td>78°52'45.92"E</td></tr><tr><td>3</td><td>19°45'39.26"N</td><td>78°52'47.35"E</td></tr><tr><td>4</td><td>19°45'30.31"N</td><td>78°52'43.24"E</td></tr></table></td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>56 I/13</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Penganga</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Raipur is at a distance of 1.30 Km towards East from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Lingati Railway Station, 13.85 Km away towards NW from ML</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Nagpur Airport, 153.50 km away towards North</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Project Cost</td><td>Rs. 51,07,100/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.90 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>10(Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

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- Raipur. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.40
2.	Dust Suppression / Water Sprinkling	1.50
3.	Green belt / Plantation	1.00
Total		**2.90**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow

			ground water quality Waste water discharge	pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion.	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

			Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	40750/-
3.	Unpaved/ Haul road maintenance	35000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,63,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 4.80 ha at River Uma adjoining Kh. No. 935, 922, 905, 906, 895, 896, 893, 892, 890, 889, Mouza: Rajoli, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 55P/12 and falls between the Latitude 20°10'35.16"N – 20°10'34.36"N and Longitude 79°40'2.19"E– 79°40'1.10"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 8481 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Rajoli sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	4.80 ha
2.	Proposed Production capacity	8481 Brass/Annum
C	**Location Details**	

Proposed Rajoli Sand Ghat Project of Area 4.80 Hectare At Village- Rajoli, Tehsil-Mul, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Rajoli
2.	Tehsil	Mul
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	
6.	Toposheet No.	55P/12
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Uma
2.	Nearest Town / City/Village	Nearest Village: Rajoli is at a distance of 2.0 Km towards South East from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Mul Railway Station at a distance of ~14.0 km in South direction from Project Site.
4.	Nearest Airport	Chandrapur Airport 101 km away towards SW.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 90,80,300/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	3.10 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	8 (Skilled and unskilled persons)

Pillar	Latitude	Longitude
1	20°10'35.16"N	79°40'2.19"E
2	20°10'53.07"N	79°39'45.93"E
3	20°11'7.32"N	79°39'39.66"E
4	20°11'6.74"N	79°39'38.42"E
5	20°10'52.37"N	79°39'44.77"E
6	20°10'34.36"N	79°40'1.10"E

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

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- Rajoli. The detailed breakup of the water requirement is given below.

Table: Water Demand

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

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow

			ground water quality Waste water discharge	pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion.	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

			Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	35500/-
3.	Unpaved/ Haul road maintenance	25000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,47,750/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.05 ha at River Uma adjoining Kh. No. 103, Mouza: Sushi Dabgaon, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 56M /9 and falls between the Latitude 19°58'27.41"N - 19°58'28.28"N and Longitude 79°37'11.72"E - 79°37'12.49"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 1855 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Sushi Dabgaon sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	1.05 ha
2.	Proposed Production capacity	1855 Brass/Annum
C	**Location Details**	

Proposed Sushui Dabgaon Sand Ghat Project of Area 1.05 Hectare At Village- Sushi Dabgaon, Tehsil- Mul, District-Chandrapur (Maharashtra)

Executive Summary

<table>
<tr><td>1.</td><td>Village</td><td>Sushi Dabgaon</td></tr>
<tr><td>2.</td><td>Tehsil</td><td>Mul</td></tr>
<tr><td>3.</td><td>District</td><td>Chandrapur</td></tr>
<tr><td>4.</td><td>State</td><td>Maharashtra</td></tr>
<tr><td>5.</td><td>Latitude & Longitude</td><td>
<table>
<tr><th>Pillar</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>19°58'27.41"N</td><td>79°37'11.72"E</td></tr>
<tr><td>2</td><td>19°58'30.27"N</td><td>79°37'7.46"E</td></tr>
<tr><td>3</td><td>19°58'31.87"N</td><td>79°37'2.65"E</td></tr>
<tr><td>4</td><td>19°58'32.95"N</td><td>79°37'3.04"E</td></tr>
<tr><td>5</td><td>19°58'31.24"N</td><td>79°37'8.02"E</td></tr>
<tr><td>6</td><td>19°58'28.28"N</td><td>79°37'12.49"E</td></tr>
</table>
</td></tr>
<tr><td>6.</td><td>Toposheet No.</td><td>56M /9</td></tr>
<tr><td>D</td><td colspan="2">Environmental Settings of the Area</td></tr>
<tr><td>1.</td><td>River / water body</td><td>The quarry area is itself part of water body i.e. River-Uma</td></tr>
<tr><td>2.</td><td>Nearest Town / City/Village</td><td>Nearest Village: Chiroli is at a distance of 1.5 Km towards North from the Mining area.</td></tr>
<tr><td>3.</td><td>Nearest Railway Station</td><td>The nearest railway station is located Tolewahi Railway Station at a distance of ~ 5.0 km in North direction from Project Site.</td></tr>
<tr><td>4.</td><td>Nearest Airport</td><td>Chandrapur Airport 17.5 km away towards NW.</td></tr>
<tr><td>5.</td><td>State Boundary</td><td>No State boundary passes through the project site</td></tr>
<tr><td>6.</td><td>Seismic Zone</td><td>Zone – III (Moderate)
This is said to be the Moderate Seismic Zone.</td></tr>
<tr><td>D</td><td colspan="2">Cost Details</td></tr>
<tr><td>1.</td><td>Total Upset Price</td><td>Rs. 19,86,100/-</td></tr>
<tr><td>E</td><td colspan="2">Requirements of The Project</td></tr>
<tr><td>1.</td><td>Proposed Water Requirement</td><td>2.50 KLD</td></tr>
<tr><td>2.</td><td>Fuel requirement</td><td>N/A</td></tr>
<tr><td>3.</td><td>Man Power Requirement</td><td>8(Skilled and unskilled persons)</td></tr>
</table>

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

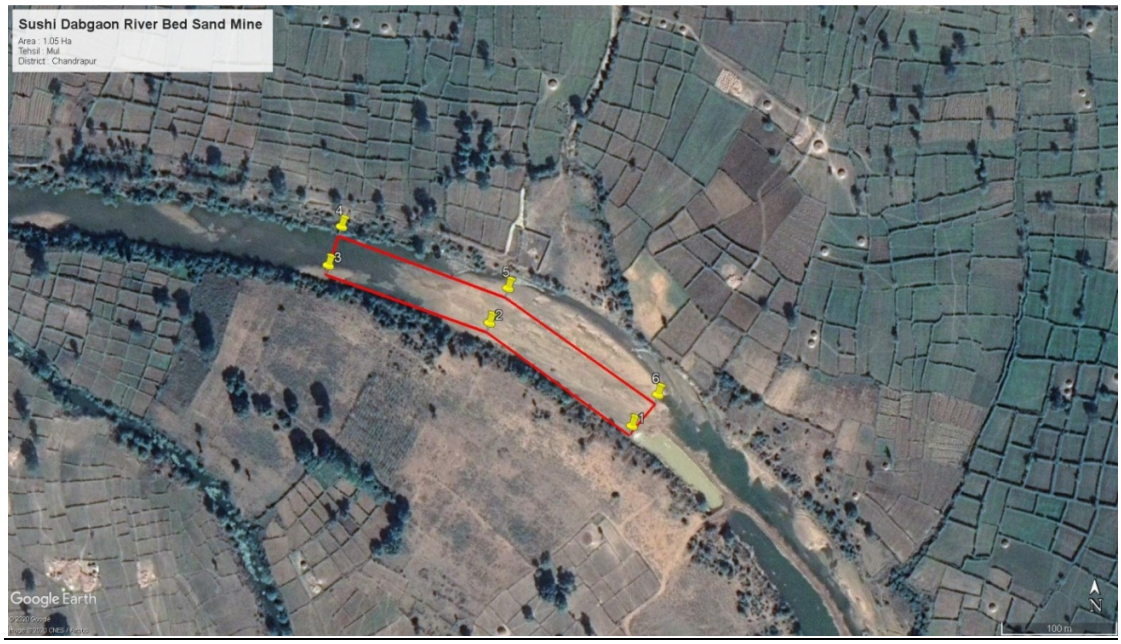

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.50 KLD. It will be procured from the supply source of Village- Sushi Dabgaon. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.50
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.50**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	38000/-
3.	Unpaved/ Haul road maintenance	35750/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,61,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.0 ha at River Penganga adjoining Kh. No. 16, 19, 22, 23, 26, Mouza: Tamsi Reeth, Tehsil: Korpana, District: Chandrapur, 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 Toposheet No: 56M/1 and falls between the Latitude 19º53'39.64"N - 19º53'40.44"N and Longitude 79º09'03.08"E - 79º09'01.55"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 1767 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Tamsi Reeth sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	1.0 ha
2.	Proposed Production capacity	1767 Brass/Annum
C	**Location Details**	

Proposed Tamsi Reeth Sand Ghat Project of Area 1.0 Hectare At Village- Tamsi Reeth, Tehsil- Korpana, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Tamsi Reeth
2.	Tehsil	Korpana
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	**Pillar** / **Latitude** / **Longitude** 1 / 19°53'39.64"N / 79° 9'3.08"E 2 / 19°53'34.67"N / 79° 8'58.63"E 3 / 19°53'35.48"N / 79° 8'57.11"E 4 / 19°53'40.44"N / 79° 9'1.55"E
6.	Toposheet No.	56 M/1
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Penganga
2.	Nearest Town / City/Village	Nearest Village: Tamsi Reeth is at a distance of 1.50 Km towards South from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Chandrapur Railway Station at a distance of ~ 17.10 km in NE direction from Project Site.
4.	Nearest Airport	Nagpur Airport 138.50 km away towards North.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 18,91,922/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.50 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	10 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

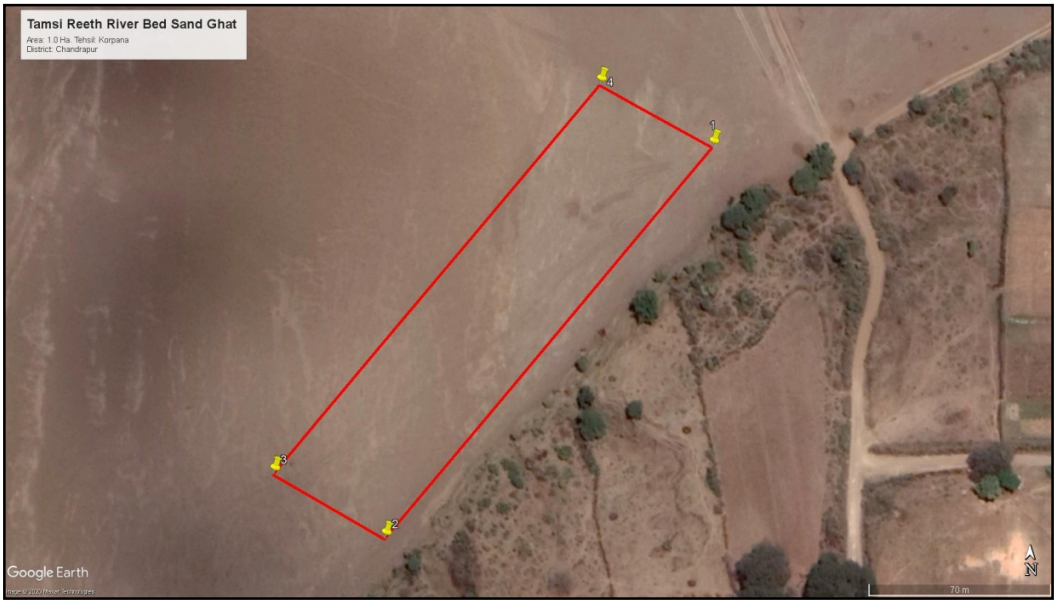

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.50 KLD. It will be procured from the supply source of Village- Tamsi. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.50
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.50**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water quality Waste water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent

			discharge	will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river bank interland and	Safety distance of 3m or $1/4^{th}$ 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"). Mining will not exceeds beyond

			ecological due to extraction of sand. Surface degradation due to road network	the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	25000/-
3.	Unpaved/ Haul road maintenance	25000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5750/-
Total		**2,38,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.44 ha at River Wardha adjoining Gut no. 356/1, 353, 354, Mouza: Tulana, Tehsil: Warora, District: Chandrapur, 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 Toposheet No: 55L/16 and falls between the Latitude 20°11'23.15"N - 20°11'22.76"N and Longitude 78°57'22.16"E - 78°57'20.14"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 2544 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Tulana 1 sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	1.44 ha
2.	Proposed Production capacity	2544 Brass/Annum
C	**Location Details**	

Proposed Tulana 1 Sand Ghat Project of Area 1.44 Hectare At Village- Tulana, Tehsil-Warora, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Tulana
2.	Tehsil	Warora
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	**Pillar** / **Latitude** / **Longitude** 1 / 20°11'23.15"N / 78°57'22.16"E 2 / 20°11'30.75"N / 78°57'20.28"E 3 / 20°11'30.36"N / 78°57'18.26"E 4 / 20°11'22.76"N / 78°57'20.14"E
6.	Toposheet No.	55L/16
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Penganga
2.	Nearest Town / City/Village	Nearest Village: Karanji is at a distance of 0.85 km in SEE direction from the project site.
3.	Nearest Railway Station	The nearest railway station is located Warora Railway Station, 8.35 Km away towards NE Direction from Project Site.
4.	Nearest Airport	Chadrapur Airport, 35.31 km away towards SEE direction
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 27,23,800/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.30 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	09 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.30 KLD. It will be procured from the supply source of Village- Karanji. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.30**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	30000/-
3.	Unpaved/ Haul road maintenance	25000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,42,250/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 1.20 ha at River Wardha adjoining Gut no. 393, 394, 363, Mouza: Tulana, Tehsil: Warora, District: Chandrapur, 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 Toposheet No: 55L/16 and falls between the Latitude 20°11'48.30"N – 20°11'49.32"N and Longitude 78°57'28.74"E – 78°57'27.41"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 2120 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Tulana -2 sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	1.20 ha
2.	Proposed Production capacity	2120Brass/Annum
C	**Location Details**	

Proposed Tulana-2 Sand Ghat Project of Area 1.20 Hectare At Village Tulana, Tehsil-Warora, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Tulana
2.	Tehsil	Warora
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	**Pillar** / **Latitude** / **Longitude** 1 / 20°11'48.30"N / 78°57'28.74"E 2 / 20°11'54.25"N / 78°57'34.09"E 3 / 20°11'55.27"N / 78°57'32.76"E 4 / 20°11'49.32"N / 78°57'27.41"E
6.	Toposheet No.	55L/16
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Wardha
2.	Nearest Town / City/Village	Nearest Village: Karanji is at a distance of 1.25 km in SE direction from the project site.
3.	Nearest Railway Station	The nearest railway station is located Warora Railway Station, 7.65 Km away towards NE Direction from Project Site.
4.	Nearest Airport	Chadrapur Airport, 35.60 km away towards SEE direction
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 22,69,800/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.30 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	09 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.30 KLD. It will be procured from the supply source of Village- Karanji. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.30
2.	Dust Suppression / Water Sprinkling	1.00
3.	Green belt / Plantation	1.00
Total		**2.30**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	35000/-
3.	Unpaved/ Haul road maintenance	32250/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,54,500/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 4.0 ha at River Uma adjoining Kh. No. 252, 253 Mouza: Ushrada Chak, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 55P/12/NE and falls between the Latitude 20° 7'50.43"N - 20° 7'49.85"N and Longitude 79°40'22.29"E - 79°40'23.52"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 7067 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Ushrada Chak sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	4.0 ha
2.	Proposed Production capacity	7067 Brass/Annum
C	**Location Details**	

Proposed Ushrada Chak Sand Ghat Project of Area 4.0 Hectare At Village- Ushrada Chak, Tehsil- Mul, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Ushrada Chak
2.	Tehsil	Mul
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	**Pillar** / **Latitude** / **Longitude** 1 / 20° 7'50.43"N / 79°40'22.29"E 2 / 20° 7'57.38"N / 79°40'25.78"E 3 / 20° 8'15.25"N / 79°40'44.03"E 4 / 20° 8'14.28"N / 79°40'44.95"E 5 / 20° 7'56.53"N / 79°40'26.87"E 6 / 20° 7'49.85"N / 79°40'23.52"E
6.	Toposheet No.	55P/12/NE
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Uma
2.	Nearest Town / City/Village	Nearest Village: Urshada Chaka is at a distance of 1.05 Km towards East from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Maroda Railway Station, 4.14 Km away towards SSW Direction
4.	Nearest Airport	Chandrapur Morwa Airport, 49.27 km away towards SWW direction
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 75,66,400/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	3.30 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	09 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

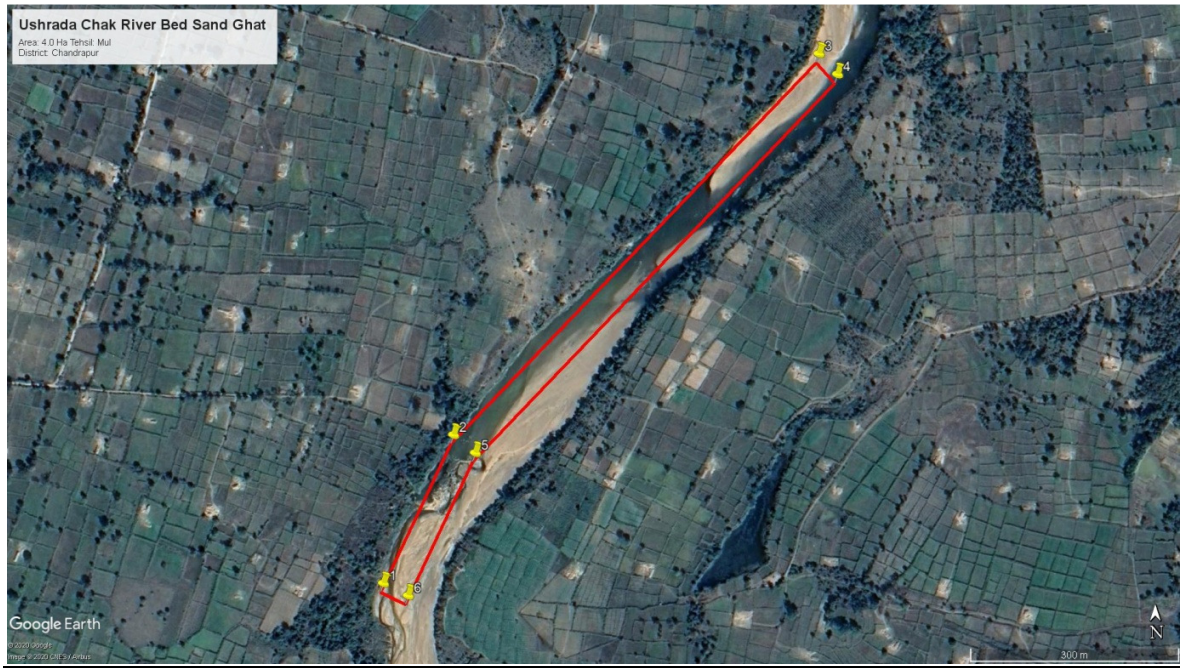

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 3.30 KLD. It will be procured from the supply source of Village- Ushrada Chak. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.80
2.	Dust Suppression / Water Sprinkling	1.50
3.	Green belt / Plantation	1.00
Total		**3.30**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow

			ground water quality Waste water discharge	pattern of the river. Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion.	Safety distance of 3m or $1/4^{th}$ of the width of the river whichever is more will be left from both the bank of the river (as per "Sustainable Sand Mining

			Destruction of river bank interland and ecological due to extraction of sand. Surface degradation due to road network	Guidelines"). Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	45000/-
3.	Unpaved/ Haul road maintenance	35000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,67,250/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 2.10 ha at River Uma adjoining Kh. No. 51, 50, 43, 42, 40, 40, 12, 11, 205, Mouza: Wadasi, Tehsil: Chimur, District: Chandrapur, 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 Toposheet No: 55 P/07 and falls between the Latitude 20°23'54.66"N - 20°23'55.45"N and Longitude 79°27'25.57"E - 79°27'24.03"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 3710 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Wadasi sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	2.10 ha
2.	Proposed Production capacity	3710 Brass/Annum
C	**Location Details**	

Proposed Wadasi Sand Ghat Project of Area 2.10 Hectare At Village- Wadasi, Tehsil-Chimur, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Wadasi
2.	Tehsil	Chimur
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	

Pillar	Latitude	Longitude
1	20°23'54.66"N	79°27'25.57"E
2	20°23'51.70"N	79°27'23.91"E
3	20°23'48.97"N	79°27'23.23"E
4	20°23'44.03"N	79°27'25.21"E
5	20°23'43.49"N	79°27'23.40"E
6	20°23'45.76"N	79°27'21.46"E
7	20°23'48.53"N	79°27'21.19"E
8	20°23'55.45"N	79°27'24.03"E

6.	Toposheet No.	55P/07/NE
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Uma
2.	Nearest Town / City/Village	Nearest Village: wadasi is at a distance of 0.70 Km towards East from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Nagbhir Railway Station at a distance of ~23.90 km in South East direction from Project Site.
4.	Nearest Airport	Chandrapur Airport 51.0 km away towards SW.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Project Cost	Rs. 39,72,200/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.60 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	8 (Skilled and unskilled persons)

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.60 KLD. It will be procured from the supply source of Village- Wadasi. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.40
2.	Dust Suppression / Water Sprinkling	1.20
3.	Green belt / Plantation	1.00
Total		**2.60**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	35750/-
3.	Unpaved/ Haul road maintenance	40000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,63,000/-**

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EXECUTIVE SUMMARY

This Report has been prepared for the Proposed sand ghat over the area of 3.50 ha at River Uma adjoining Kh. No. 446, 458, 459, 467, Mouza: Yergaon, Tehsil: Mul, District: Chandrapur, 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 Toposheet No: 56M/09 and falls between the Latitude 19°58'16.42"N – 19°58'18.69"N and Longitude 79°39'56.67"E – 79°39'56.76"E. The lease area is not an agricultural land and the area is classified as River. Maximum production capacity is 6184 Brass.

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

S. No.	Particulars	Details
A.	**Nature of the Project**	Proposed Yergaon sand ghat quarry (Minor Mineral)
B.	**Size of the Project**	
1.	Quarry Area	3.50 ha
2.	Proposed Production capacity	6184 Brass/Annum
C	**Location Details**	

Proposed Yergaon Sand Ghat Project of Area 3.50 Hectare At Village Yergaon, Tehsil-Mul, District-Chandrapur (Maharashtra)

Executive Summary

1.	Village	Yergaon
2.	Tehsil	Mul
3.	District	Chandrapur
4.	State	Maharashtra
5.	Latitude & Longitude	
6.	Toposheet No.	56M/09
D	**Environmental Settings of the Area**	
1.	River / water body	The quarry area is itself part of water body i.e. River-Uma
2.	Nearest Town / City/Village	Nearest Village: Dahegaon is at a distance of 0.5 Km towards South East from the Mining area.
3.	Nearest Railway Station	The nearest railway station is located Tolewahi Railway Station at a distance of ~8.44 km in NW direction from Project Site.
4.	Nearest Airport	Chandrapur Airport 47 km away towards West.
5.	State Boundary	No State boundary passes through the project site
6.	Seismic Zone	Zone – III (Moderate) This is said to be the Moderate Seismic Zone.
D	**Cost Details**	
1.	Total Upset Price	Rs. 66,21,000/-
E	**Requirements of The Project**	
1.	Proposed Water Requirement	2.80 KLD
2.	Fuel requirement	N/A
3.	Man Power Requirement	8 (Skilled and unskilled persons)

Pillar	Latitude	Longitude
1	19°58'16.42"N	79°39'56.67"E
2	19°58'16.16"N	79°39'39.48"E
3	19°58'18.42"N	79°39'39.56"E
4	19°58'18.69"N	79°39'56.76"E

LOCATION (MAP SHOWING GENERAL LOCATION, SPECIFIC LOCATION, AND PROJECT BOUNDARY & PROJECT SITE LAYOUT)

Figure: Specific Location of Proposed Sand Ghat

AVAILABILITY OF WATER & ITS SOURCE

The daily water demand for the proposed project is 2.80 KLD. It will be procured from the supply source of Village- Yergaon. The detailed breakup of the water requirement is given below.

Table: Water Demand

S. No.	Particulars	Quantity (KLD)
1.	Domestic Purpose	0.60
2.	Dust Suppression / Water Sprinkling	1.20
3.	Green belt / Plantation	1.00
Total		**2.80**

ENVIRONMENT MANAGEMENT PLAN

S. No.	Environmental Parameter	Activities	Predict Impact	EMP/Mitigation Measures
1.	Water	Mining or extraction of sand	Change in flow pattern Increase in depth may increase the flow velocity Change in surface water quality and ground water	No diversion is proposed. There will not be any adverse impact on flow pattern, surface hydrology and ground water regime. Mining activities will be restricted to 3.0m depth, which will not cause much change in flow pattern of the river.

			quality Waste water discharge	Portable toilets will be used; hence no sewage/ liquid effluent will be generated.
2.	Air	Mining Activity, transportation of sand via vehicles or tractor movement Loading and unloading of mineral	Generation of fugitive dust may lead to Adverse effect of human health Stomatal index may be minimized due to dust deposit on leaf.	Green belt shall be developed within the premises as per CPCB guideline. Dust mask will be provided to the workers engaged. Regular water sprinkling on unpaved road. Levelling of roads will be done to maintain the uniform speed of the trucks/ tippers. The speed of trucks plying on the haul road will be limited and covering of material during transportation. Overloading will be avoided.
3.	Noise	Traffic on nearby road to mining site.	Noise generation due to vehicular traffic and mining activity	Periodical monitoring of noise will be done. No other equipments except the transportation vehicles will be allowed. Proper maintenance of vehicles and their silencers to minimize vibration and sound. Ear muffs will be provided to workers. Development of effective greenbelt which shall help in noise attenuation. Road surfaces will be maintained in good condition to reduce tyre noise and to assure continuous traffic flow to avoid prolonged idling. Noisy activities will be scheduled at normal working hours (daytime hours) to the extent possible when the environment is least sensitive to noise impact.
4.	Land	Mining or extraction of sand and transportation	Damage of river bank due to access ramps to river bed, may cause soil erosion. Destruction of river	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").

			bank interland and ecological due to extraction of sand. Surface degradation due to road network	Mining will not exceeds beyond the allowed extraction capacity. Minimum no. of access roads to river bed for which cutting of river banks will be avoided and ramps are to be maintained.
5.	Ecology	Extraction of sand and transportation	Short-term disturbance of habitats disturbance of wildlife populations from noise Ecological impact surrounding habitat	The green belt/community forestry near river bank and approach road 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 RESPONSIBILTY (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	Amount in Rs
1.	Environment Monitoring (Air, Water, Soil and Noise)	45000/-
2.	Water Sprinkling	35000/-
3.	Unpaved/ Haul road maintenance	50000/-
4.	Occupational Health & safety (Mobile toilet and PPE - Safety Shoes, Earmuffs & Mask etc.)	137250/-
5.	Tarpaulin	5000/-
Total		**2,72,250/-**

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