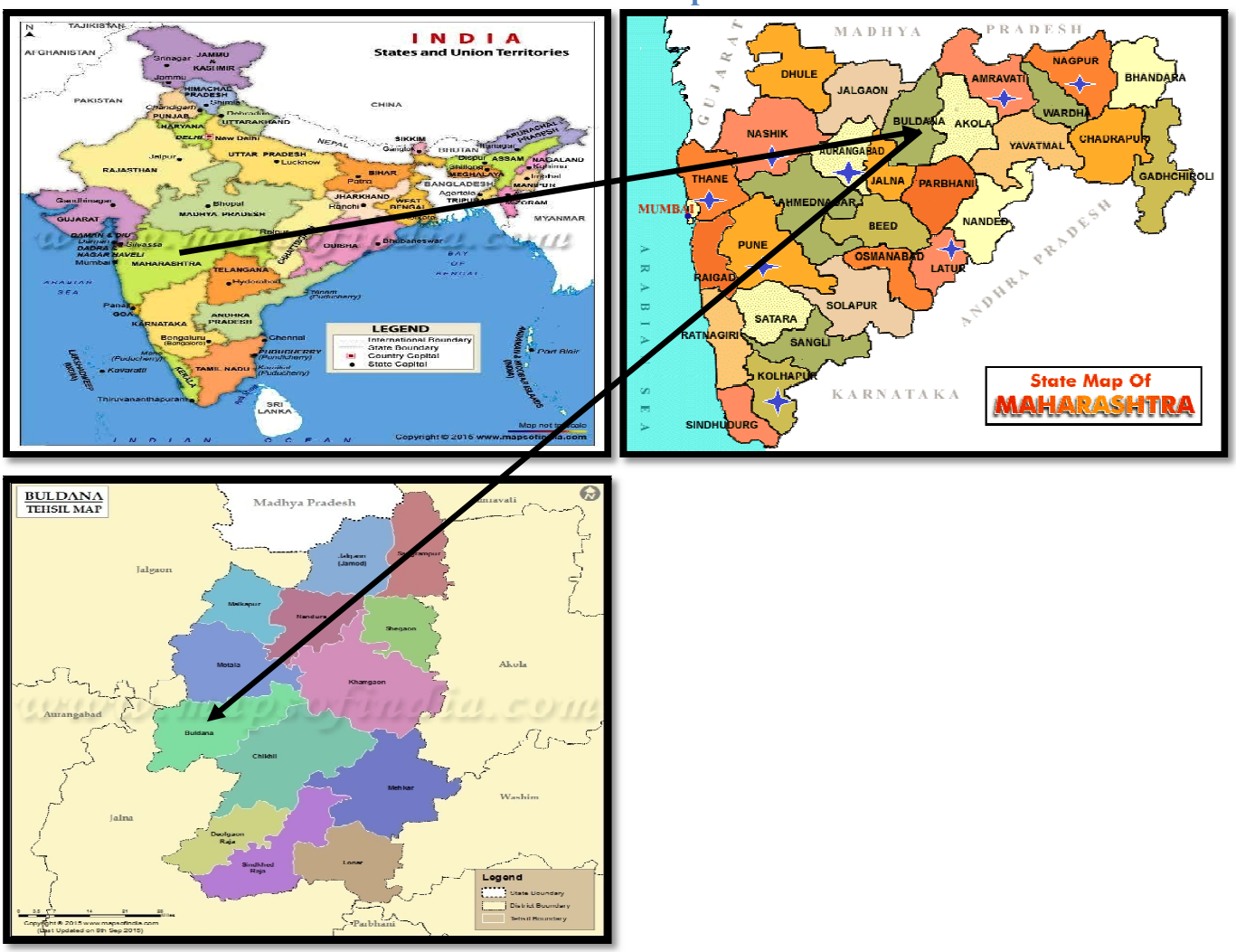
Public Hearing for 17 District Level Sand Spots, Buldhana District,

EXECUTIVE SUMMARY

Introduction

- Environmental Clearance is sought for 17 Sand Spots located in Buldhana, Deulgaonraja, Sindhkhedraja, Lonar, Nandura,Jalgaonjamod and Shegaon Talukas in Buldhana District.
- As Per Government of Maharashtra **Letter No: Sankirn- 2019/P.K.01/Ta.K.3** dated Dec 3, 2019, Public Hearing must be conducted for mines less than 5 Hectares.
- M/s. District Mining Office, Buldhana, Maharashtra (Govt. of Maharashtra)
- Application in Form-1M, PFR, EMP, RA, DSR along with the Approved Mining Plans for Sand Spots will be submitted along with Public Hearing Proceedings for Environmental Clearance.

Location Map



List of Sand Spots

बुलढाणा जिल्हा :- वाळू / रेती ई लिलाव सन २०२२-२०२३

तहसिलदारांकडुन प्राप्त प्रस्तावांचे अनुषंगाने तालुकास्तरीय तांत्रिक उपसमितीने संयुक्त सर्वेक्षण केल्यानंतर योग्य अभिप्राय दिलेल्या रेतीघाटाबाबतचे विवरण

अ. क्र.	तालुका	ग्रामपंचायतीचे नांव	रेतीघाटाचे नांव	नदीचे नांव	तांत्रीक समितीने योग्य दिलेले रेतीघाट	रेतीघाटाचे क्षेत्र (चौ.मी.)			रेतीघाटाचे क्षेत्र (हे.आर) (लांबी X रुंदी	सन २०२२-२३ साठी अंदाजे रेती साठा (ब्रास) (लांबीXरुंदीX खोली /२.८३)	तांत्रीक उपसमितीचा अभिप्राय योग्य / अयोग्य
						लांबी	रुंदी	GSDA ने दिलेली खोली			
१	२	३	४	५	६	७	८	९	१०	११	१२
१	देऊळगांवराजा	नारायणखेड व निमगांव गुरु	नारायणखेड व निमगांव गुरु	खडकपुर्णा	नारायणखेड- ३२,३६ ते ४२,१६९ ते १७२,१८४ ते १८८, निमगांव गुरु- ३९ ते ४५,५० ते ५२,	४६०	५०	१.००	२.३०	८९२७	योग्य
२	देऊळगांवराजा	निमगांव गुरु व देऊळगांवमहि	निमगांव गुरु व देऊळगांवमहि	खडकपुर्णा	निमगांव गुरु- ३०७ ते ३९५,३३३ ते ३३७, देऊळगांवमहि भाग-२- १९६ ते १९४,१३७,१३८,	७००	५०	०.८०	३.५०	९८९४	योग्य
	एकुण									१८०२१	
३	सिदखेडराजा	निमगांव वायाळ	निमगांव वायाळ	खडकपुर्णा	निमगांव वायाळ-२२३,२२४, २३३ ते २३८,२४७,२४८ व २१०,	४००	४०	२.१०	१.६०	११८७३	योग्य
४	सिदखेडराजा	हिवरखेडपुर्णा	हिवरखेडपुर्णा	खडकपुर्णा	हिवरखेड पुर्णा- २६२ ते २६४,२७० ते २८१,	४००	६०	२.००	२.४०	१६९६१	योग्य
५	सिदखेडराजा	राहेरी खुर्द	राहेरी खुर्द	खडकपुर्णा	राहेरी खुर्द- १० ,१९३,१९२,१९०,१८९,	३००	६०	२.००	१.८०	१२७२१	योग्य
	एकुण									४१५५५	
६	लोणार	सावरगांवतेली, चांगेफळ	सावरगांवतेली, चांगेफळ	खडकपुर्णा	चांगेफळ-१३५,१३६,१३९ ते १४३,१२८, १२५,९३,९२, सावरगांवतेली-६९ ,७२,७३,७५,७८,७९,८५, ८८ ते ९१,	५००	४०	०.५०	२.००	३५३४	योग्य
७	लोणार	सावरगांवतेली	सावरगांवतेली अ	खडकपुर्णा	५७,४७,४६,४५,४३,४२,	५००	३५	१.००	१.७५	६१८४	योग्य
	एकुण									९७१८	
८	नांदुरा	भोटा	भोटा	पुर्णा	१८४ ते १९१,	६००	३०	०.८०	१.८०	५०८८	योग्य
९	नांदुरा	हिंगणाभोटा	रोटी-अ	पुर्णा	१,२,३, ४,	७५०	२०	०.६०	१.५०	३१८०	योग्य
१०	नांदुरा	हिंगणाभोटा	रोटी-ब	पुर्णा	१२४ ते १२८,	६००	२०	०.६०	१.२०	२५४४	योग्य
११	नांदुरा	येरळी	येरळी	पुर्णा	२० ते २६,	६००	३०	०.५०	१.८०	३१८०	योग्य
	एकुण									१३९९२	
१२	जळगांवजामोद	मानेगांव	मानेगांव	पुर्णा	३६,३५९,३५७,३५५,	६००	३०	०.६०	१.८०	३८१६	योग्य
१३	जळगांवजामोद	दादुलगांव	दादुलगांव	पुर्णा	१३५,१३८ ते १४४,	५७५	३०	०.६०	१.७२	३६५७	योग्य
१४	जळगांवजामोद	हिगणाबाळापूर	हिगणाबाळापूर	पुर्णा	२९,२८,२३ ते २५,३,	५५०	३०	०.६५	१.६५	३७९०	योग्य
१५	जळगांवजामोद	गोळेगांव बु.	गोळेगांव बु.	पुर्णा	११, १९ ते २२,२५,२७,	४५०	३०	०.९०	१.३५	४२९३	योग्य
१६	जळगांवजामोद	भेडवळबु.	भेडवळबु.	पुर्णा	३२४ ते ३२६,३११,	५१८	३०	०.७०	१.५५	३८४४	योग्य
	एकुण									१९४००	
१७	शेगांव	भोनगांव	भोनगांव	पुर्णा	१, ४ ते १०, ५५३,५६२,५८५,५९०, ५९४,५९९,६०४,६०६	८९०	१५	०.१५	१.३४	७०८	योग्य
	एकुण									७०८	
	एकुण									१०३३९४	

जिल्हा खनिकर्म अधिकारी

1. Mining Methodology

2. **Method of Mining:** Opencast manual method without drilling & blasting. Only manual laborwith hand tools such as spade, ghamelas will be used. Excavation of sand is done from dryriverbed only.

   The following process is followed for the estimation of sand in sand ghat:

   - The demarcation and benchmarking of the sand ghat is done as per 10m x 10minterval.
   - Auger driller is used to find out the depth of sand in each grid.
   - Auger driller is used to create the holes in sand ghat using a 10mx10m grid pattern.
   - The depth of holes is measured by using measuring tape.
   - After taking all the readings the average depth of sand ghat of the river is calculated inmeters.

3. Machinery / Equipment required: Spades, Ghamelas, Tractor with trolley.

4. Transportation: By tractor trolley from sand spot to stockyard & to consumers.

5. Reclamation: Mined out area will be replenished automatically after the monsoon. Plantationwill be carried out along the riverbank and along the transport road.

6. Environmental Management Plan

1. Air Pollution Control Measures

- Periodic water sprinkling on the kutcha road used for sand transport.
- Transport of sand by tractor trolleys, trucks covered with tarpaulin.
- Spillage of sand during transport shall be prevented by proper sealing of gaps.
- Plantation will be done along riverbanks and on free spaces near the sand spots.

2. Noise Control Measures

- Mining and sand transport will be carried out during the daytime only.
- Noise due to sand transport is expected, periodic maintenance of sand transportation vehicles will be ensured to minimize noise.
- The speed of sand transport vehicles will be regulated.

3. Water Pollution Control Measures

- Sand mining will be carried out in dry riverbed only.
- The depth of the mine pit will be maintained above the river water level.
- River streams will not be diverted to form inactive channels.
- Washing of vehicles in the river will be prohibited.
- No effluent will be generated from mining activities.
- Provision of mobile toilets for workers.
- Mining will be avoided during monsoon and floods which will allow the sand deposit to replenish.

4. Land Environment

- Sand mining will create temporary pits in the dry riverbed, which will be replenished during monsoon.
- Safety distance of 3 meters or 1/10th of the width of the river, whichever is more willbe left from both sides of the bank of the river (as per "Sustainable sand mining guidelines").
- Waste material like polythene bags, jute bags, etc. will not be allowed to remain/spill in the riverbed.
- Mining will not exceed the allowed extraction capacity.
- Plantation will be developed along the riverbank and nearby free spaces.

5. Green Belt Development Plan

Location of greenbelt	On the banks of both sides of the lease boundary & Haul Road outside riverbed
No. of plants to be planted	500-1155 Plants per hectare
Spacing of plants	3 m grid interval
Species selected	Native species

Tree species recommended for Plantation

Botanical name	Local name	Importance
Azadirachta Indica	Neem	Neem oil & neem products
Tectona Grandis	Teak	Antibacterial, Antifungal, Antiulcer
Ficus Religiosa	Peepal	Medicinal use, Fruits & figs
Bambusa Vulgaris	Bamboo	Anthelmintic Anti-inflammatory, Astringent Properties
Madhuca Longifolia	Mahua	Acts as a Stimulant & cough relief

6. Occupational Health Safety Management

- Mine operators will be provided with personal protective equipment.
- Safety helmets and footwear, in addition to ear, eye, and hand protection devices.
- Dust masks will be provided for workers.
- A potable drinking water shelter for mine workers will be provided.
- First aid kit will be provided at the mine site.

7. Conclusion

- Applied 20 Sand Spots located in Buldhana Talukas in Buldhana District, Deulgaonraja, Sindhkhedraja, Lonar, Nandura, Jalgaonjamod and Shegaon Maharashtra having lease area of less than 5 Ha, fall under B2 category as per MoEF & CC guidelines.
- Quarries are not likely to cause a significant impact on the environment due to the small scale of mining and will prove beneficial to the nearby community.
- The proposed project would provide indirect employment opportunities to local residents.
- The proposed project will also make a positive contribution to the social infrastructure and overall development of the region.
- All environmental issues like air, water, noise, soil, solid waste management, etc. will be dealt with as per the MoEF & CC guidelines.

Public Hearing for 17 District Level Sand Spots, Buldhana District,

EXECUTIVE SUMMARY

Introduction

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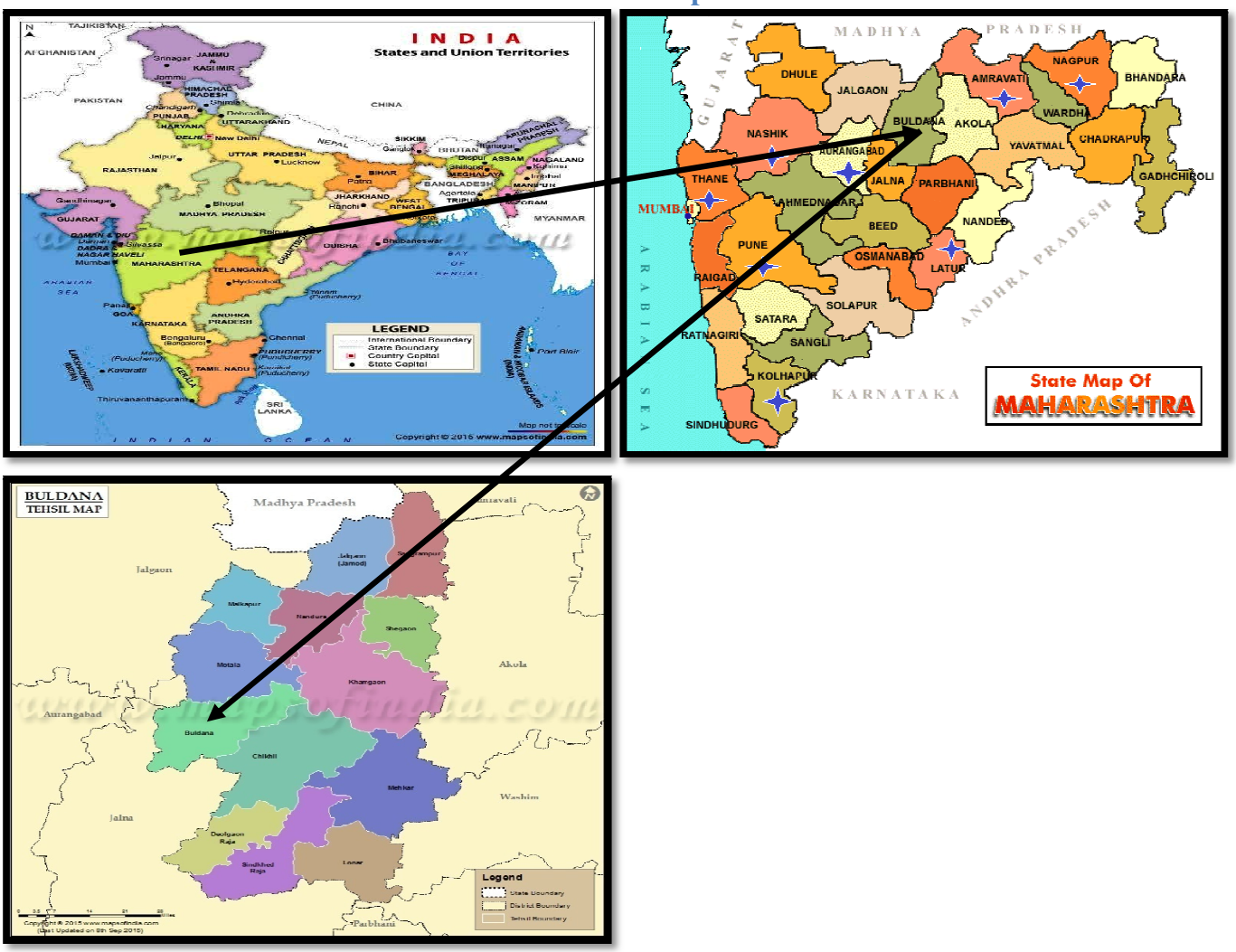
- As Per Government of Maharashtra **Letter No: Sankirn- 2019/P.K.01/Ta.K.3** dated Dec 3, 2019, Public Hearing must be conducted for mines less than 5 Hectares.
- M/s. District Mining Office, Buldhana, Maharashtra (Govt. of Maharashtra)
- Application in Form-1M, PFR, EMP, RA, DSR along with the Approved Mining Plans for Sand Spots will be submitted along with Public Hearing Proceedings for Environmental Clearance.

Location Map



List of Sand Spots

बुलढाणा जिल्हा :- वाळू / रेती ई लिलाव सन २०२२-२०२३

तहसिलदारांकडुन प्राप्त प्रस्तावांचे अनुषंगाने तालुकास्तरीय तांत्रिक उपसमितीने संयुक्त सर्वेक्षण केल्यानंतर योग्य अभिप्राय दिलेल्या रेतीघाटाबाबतचे विवरण

अ. क्र.	तालुका	ग्रामपंचायतीचे नांव	रेतीघाटाचे नांव	नदीचे नांव	तांत्रीक समितीने योग्य दिलेले रेतीघाट	रेतीघाटाचे क्षेत्र (चौ.मी.)			रेतीघाटाचे क्षेत्र (हे.आर) (लांबी X रुंदी	सन २०२२-२३ साठी अंदाजे रेती साठा (ब्रास) (लांबीXरुंदीX खोली /२.८३)	तांत्रीक उपसमितीचा अभिप्राय योग्य / अयोग्य
						लांबी	रुंदी	GSDA ने दिलेली खोली			
१	२	३	४	५	६	७	८	९	१०	११	१२
१	देऊळगांवराजा	नारायणखेड व निमगांव गुरु	नारायणखेड व निमगांव गुरु	खडकपुर्णा	नारायणखेड- ३२,३६ ते ४२,१६९ ते १७२,१८४ ते १८८, निमगांव गुरु- ३९ ते ४५,५० ते ५२,	४६०	५०	१.००	२.३०	८९२७	योग्य
२	देऊळगांवराजा	निमगांव गुरु व देऊळगांवमहि	निमगांव गुरु व देऊळगांवमहि	खडकपुर्णा	निमगांव गुरु- ३०७ ते ३९५,३३३ ते ३३७, देऊळगांवमहि भाग-२- १९६ ते १९४,१३७,१३८,	७००	५०	०.८०	३.५०	९८९४	योग्य
	एकुण									१८०२१	
३	सिदखेडराजा	निमगांव वायाळ	निमगांव वायाळ	खडकपुर्णा	निमगांव वायाळ-२२३,२२४, २३३ ते २३८,२४७,२४८ व २१०,	४००	४०	२.१०	१.६०	११८७३	योग्य
४	सिदखेडराजा	हिवरखेडपुर्णा	हिवरखेडपुर्णा	खडकपुर्णा	हिवरखेड पुर्णा- २६२ ते २६४,२७० ते २८१,	४००	६०	२.००	२.४०	१६९६१	योग्य
५	सिदखेडराजा	राहेरी खुर्द	राहेरी खुर्द	खडकपुर्णा	राहेरी खुर्द- १० ,१९३,१९२,१९०,१८९,	३००	६०	२.००	१.८०	१२७२१	योग्य
	एकुण									४१५५५	
६	लोणार	सावरगांवतेली, चांगेफळ	सावरगांवतेली, चांगेफळ	खडकपुर्णा	चांगेफळ-१३५,१३६,१३९ ते १४३,१२८, १२५,९३,९२, सावरगांवतेली-६९ ,७२,७३,७५,७८,७९,८५, ८८ ते ९१,	५००	४०	०.५०	२.००	३५३४	योग्य
७	लोणार	सावरगांवतेली	सावरगांवतेली अ	खडकपुर्णा	५७,४७,४६,४५,४३,४२,	५००	३५	१.००	१.७५	६१८४	योग्य
	एकुण									९७१८	
८	नांदुरा	भोटा	भोटा	पुर्णा	१८४ ते १९१,	६००	३०	०.८०	१.८०	५०८८	योग्य
९	नांदुरा	हिंगणाभोटा	रोटी-अ	पुर्णा	१,२,३, ४,	७५०	२०	०.६०	१.५०	३१८०	योग्य
१०	नांदुरा	हिंगणाभोटा	रोटी-ब	पुर्णा	१२४ ते १२८,	६००	२०	०.६०	१.२०	२५४४	योग्य
११	नांदुरा	येरळी	येरळी	पुर्णा	२० ते २६,	६००	३०	०.५०	१.८०	३१८०	योग्य
	एकुण									१३९९२	
१२	जळगांवजामोद	मानेगांव	मानेगांव	पुर्णा	३६,३५९,३५७,३५५,	६००	३०	०.६०	१.८०	३८१६	योग्य
१३	जळगांवजामोद	दादुलगांव	दादुलगांव	पुर्णा	१३५,१३८ ते १४४,	५७५	३०	०.६०	१.७२	३६५७	योग्य
१४	जळगांवजामोद	हिगणाबाळापूर	हिगणाबाळापूर	पुर्णा	२९,२८,२३ ते २५,३,	५५०	३०	०.६५	१.६५	३७९०	योग्य
१५	जळगांवजामोद	गोळेगांव बु.	गोळेगांव बु.	पुर्णा	११, १९ ते २२,२५,२७,	४५०	३०	०.९०	१.३५	४२९३	योग्य
१६	जळगांवजामोद	भेडवळबु.	भेडवळबु.	पुर्णा	३२४ ते ३२६,३११,	५१८	३०	०.७०	१.५५	३८४४	योग्य
	एकुण									१९४००	
१७	शेगांव	भोनगांव	भोनगांव	पुर्णा	१, ४ ते १०, ५५३,५६२,५८५,५९०, ५९४,५९९,६०४,६०६	८९०	१५	०.१५	१.३४	७०८	योग्य
	एकुण									७०८	
	एकुण									१०३३९४	

जिल्हा खनिकर्म अधिकारी

1. Mining Methodology

2. **Method of Mining:** Opencast manual method without drilling & blasting. Only manual laborwith hand tools such as spade, ghamelas will be used. Excavation of sand is done from dryriverbed only.

   The following process is followed for the estimation of sand in sand ghat:

   - The demarcation and benchmarking of the sand ghat is done as per 10m x 10minterval.
   - Auger driller is used to find out the depth of sand in each grid.
   - Auger driller is used to create the holes in sand ghat using a 10mx10m grid pattern.
   - The depth of holes is measured by using measuring tape.
   - After taking all the readings the average depth of sand ghat of the river is calculated inmeters.

3. Machinery / Equipment required: Spades, Ghamelas, Tractor with trolley.

4. Transportation: By tractor trolley from sand spot to stockyard & to consumers.

5. Reclamation: Mined out area will be replenished automatically after the monsoon. Plantationwill be carried out along the riverbank and along the transport road.

6. Environmental Management Plan

1. Air Pollution Control Measures

- Periodic water sprinkling on the kutcha road used for sand transport.
- Transport of sand by tractor trolleys, trucks covered with tarpaulin.
- Spillage of sand during transport shall be prevented by proper sealing of gaps.
- Plantation will be done along riverbanks and on free spaces near the sand spots.

2. Noise Control Measures

- Mining and sand transport will be carried out during the daytime only.
- Noise due to sand transport is expected, periodic maintenance of sand transportation vehicles will be ensured to minimize noise.
- The speed of sand transport vehicles will be regulated.

3. Water Pollution Control Measures

- Sand mining will be carried out in dry riverbed only.
- The depth of the mine pit will be maintained above the river water level.
- River streams will not be diverted to form inactive channels.
- Washing of vehicles in the river will be prohibited.
- No effluent will be generated from mining activities.
- Provision of mobile toilets for workers.
- Mining will be avoided during monsoon and floods which will allow the sand deposit to replenish.

4. Land Environment

- Sand mining will create temporary pits in the dry riverbed, which will be replenished during monsoon.
- Safety distance of 3 meters or 1/10th of the width of the river, whichever is more willbe left from both sides of the bank of the river (as per "Sustainable sand mining guidelines").
- Waste material like polythene bags, jute bags, etc. will not be allowed to remain/spill in the riverbed.
- Mining will not exceed the allowed extraction capacity.
- Plantation will be developed along the riverbank and nearby free spaces.

5. Green Belt Development Plan

Location of greenbelt	On the banks of both sides of the lease boundary & Haul Road outside riverbed
No. of plants to be planted	500-1155 Plants per hectare
Spacing of plants	3 m grid interval
Species selected	Native species

Tree species recommended for Plantation

Botanical name	Local name	Importance
Azadirachta Indica	Neem	Neem oil & neem products
Tectona Grandis	Teak	Antibacterial, Antifungal, Antiulcer
Ficus Religiosa	Peepal	Medicinal use, Fruits & figs
Bambusa Vulgaris	Bamboo	Anthelmintic Anti-inflammatory, Astringent Properties
Madhuca Longifolia	Mahua	Acts as a Stimulant & cough relief

6. Occupational Health Safety Management

- Mine operators will be provided with personal protective equipment.
- Safety helmets and footwear, in addition to ear, eye, and hand protection devices.
- Dust masks will be provided for workers.
- A potable drinking water shelter for mine workers will be provided.
- First aid kit will be provided at the mine site.

7. Conclusion

- Applied 20 Sand Spots located in Buldhana Talukas in Buldhana District, Deulgaonraja, Sindhkhedraja, Lonar, Nandura, Jalgaonjamod and Shegaon Maharashtra having lease area of less than 5 Ha, fall under B2 category as per MoEF & CC guidelines.
- Quarries are not likely to cause a significant impact on the environment due to the small scale of mining and will prove beneficial to the nearby community.
- The proposed project would provide indirect employment opportunities to local residents.
- The proposed project will also make a positive contribution to the social infrastructure and overall development of the region.
- All environmental issues like air, water, noise, soil, solid waste management, etc. will be dealt with as per the MoEF & CC guidelines.