SEIAA –KARNATAKA

CHEAK LIST FOR MINING/ QUARRYING PROJECTS

File No : **SEIAA 40 MIN 2017**

Name of the Project : **Kotehal Sand Block (Block No. 04)**

Sl. No		DOCUMENTS	√ / X
1		Form -1	√
2		Pre-Feasibility Report [PFR]	√
3		Environmental management plan [EMP]	√
4		Approved Mining/ Quarry Plan	√
5		Topo sheet Duly marking the project site with 10 Kms Radius	√
6		Original Village Maps duly marking project site. Adjacent village maps of the project site is located at vicinity of the village boundary	√
7		Latest Google Map Duly marking the project site	√
8		Latest Site Photographs	√
9		Land Documents	
	a.	Notification OR Letter of Intent from Department of Mines and Geology	√
	b.	District Task Force committee Proceedings	√
	c	District Survey Report proposed as per Notification No. S.O.141 dated 15th January 2016	√
	d.	Compliance of the earlier E.C in case of Renewal, Expansion, Modification	X
	e.	Lease Deed in case of Renewal, Expansion, Modification	X
	f.	Renewal Notification OR Deemed Extension Letter etc.,	X
	g.	RTC	√
	h.	NOC from Forest Department - Compulsory 1st Stage Clearance in case of Forest Land	X
	i.	NOC from Revenue Department in case of Government, Patta Land	X
	j.	NOC from Forest Department in case of Government, Patta Land	X
	k.	Regarding Applicability of ESA/ESZ	X
	l.	Joint inspection report in case of Government Gomal Land	X
	m.	Copy of Conversion order in case of Patta/ Private Land	X
	n.	Copy of order of conversion of the land for non Agricultural - mineral/ quarrying purpose in case of private/patta land	X
	o.	Allotment letter/Gazette Notification in case River sand quarrying	√
	p.	Other Specify	X
10		Disputes if any and copy of documents/ orders there off	X
11		Cluster Certificate From Dept of Mines and Geology details regarding Quarries within 500mts from the applied Quarry area.	√

SEIAA –KARNATAKA

BRIEF NOTE FOR MINING/ QUARRYING PROJECTS

File No. **SEIAA 40 MIN 2017**

Sl. No	PARTICULARS	INFORMATION
1	Name & Address of the Project Proponent	**B.J. SUNILKUMAR**, Proprietor, M/s. Global Manpower Agency, Near Nutan College, LIC Colony, Davangere – 577004 Karnataka State Ph No. : +91 9449643555
2	Name & Location of the Project	"**Kotehal Sand Block" (Block No.04)** in Tungabhadra River Bed, opposite to Survey No. 15-25 Kotehal Village, Honnali Taluk, Davangere District, Karnataka.
3	Co-ordinates of the Project Site	Latitude : N 14^0 07'33.5" to N 14^0 08'04.2" Longitude: E 75^0 42' 31.6" to E 75^0 42' 52.2"
4	Type of Mineral	Sand
5	New / Expansion / Modification / Renewal	New
6	Type of Land [Forest, Government Revenue, Gomal, Private/Patta, Other]	Government Revenue
7	Whether the project site fall within ESZ/ESA	No
8	Area in Ha	6.07Ha.
9	Actual Depth of sand in the lease area in case of River sand	4.0m
10	Depth of Sand proposed to be removed	1.0m
11	Annual Production Proposed (Metric Tons/ CUM) / Annum	22930 Tons
12	Quantity of Topsoil/Over burden in cubic meter	Nil
13	Mineral Waste Handled (Metric Tons/ CUM)/ Annum	Nil
14	Project Cost (Rs. In Crores)	0.20cr
15	Environmental Sensitivity	

	a.	Nearest Forest	-	
	b.	Nearest Human Habitation	Kotehal village is at a distance of 1.0 km.	
	c.	Educational Institutes, Hospital	Available at Honnali Taluk	
	d.	Water Bodies	The project lies in Tungabhadra river.	
	e.	Other Specify	-	
16	Applicability of General Condition of the EIA Notification, 2006		No	
17	Details of Land Use in Ha			
	a.	Area for Mining/ Quarrying	4.087	
	b.	Waste Dumping Area	-	
	c.	Top Soil Storage Area	-	
	d.	Mineral Storage Area	-	
	e.	Infrastructure Area	-	
	f.	Road Area	-	
	g.	Green Belt Area	1.78	
	h.	Unexplored area	-	
	i.	Others Specify	0.202	
18	Method of Mining/ Quarrying		Manual Method	
19	Water Requirement			
	a.	Source of water	Drinking water & Domestic	
	b.	Total Requirement of Water in KLD	Dust Suppuration	21
			Domestic	02
			Other	-
			Total	23
20	Storm water management plan		Nil	

Remarks:-

- The sand mining lease area is located in Tungabhadra River.
- There is no villages or historical monuments near to the lease area.

FORM-I, PRE-FEASIBILITY & ENVIRONMENT MANAGEMENT PLAN

of

KOTEHAL SAND BLOCK

(Block No. – 04)

Extent - 15.00 Acres

at

TUNGABHADRA RIVER BED
Opposite to Sy No. – 15,16,17,18,19,20,21,22,23,24&25
Kotehal Village, Honnali Taluka,
Davangere District,
Karnataka
of

B.J.SUNIL KUMAR

M/s. GLOBAL MANPOWER AGENCY

Near Natam College, LIC Colony,
Davangere-577004

Government Land
Method of Quarrying - Manual
Period: 2017-18 to 2021-22

Prepared By

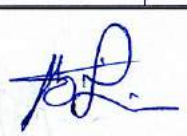
GLOBAL Environment & Mining Services
(Consulting Engineers, Mine Designers, Geologists & Surveyors)
3rd Main Road, Basaveswara Badavane
HOSPET – 583201, Bellary Dist. (Karnataka)
Tel/Fax : +918394 651111/229433
e-mail : gems_hpt@yahoo.com
Website : globalmining.in

FORM 1

I. Basic Information:

Sl. No.	Item	Details
1	Name of Project	"Kotehal Sand Block" (Block No.04) in Tungabhadra River Bed, opposite to Survey No. 15,16,17-25 Kotehal Village, Honnali Taluk, Davangere District, Karnataka.
2	Sl. No in the Schedule	As per the MOEF notification J-13012/12/2013/-IA-II (I) dated 24th December 2013, the project is classified as Category "B2" under item 1(a).
3	Proposed Capacity/Length tonnage to be handled/command area/ Lease area/ number of wells to be drilled.	Proposed Capacity: 22930Tonnes/ year. Lease area: 6.07 Ha.(15-00Acres) No wells need to be drilled
4	New/Expansion/Modernization	New
5	Existing Capacity /Area etc	Not Applicable
6	Category of Project i.e. 'A' or 'B'	B_2
7	Does it attract the specific condition? If yes, Pleased specify.	No,
8	Does it attract the general condition? If yes, Pleased specify.	Yes As the lease area is 6.07 (15-00Acres),
9	Location	Latitude : N 14°07' 33.5" to N 14°08'04.2" Longitude: E 75°42'31.6" to E 75°42'52.2"
	Khasra No	Opposite Sy. No. 15,16,17-25
	Plot/ Toposheet No	Map sheet Index 48 N/12
	Village	Kotehal
	Tehsil	Honnali
	District	Davangere
	State	Karnataka
10	Nearest railway station/ airport along with district in Kms.	Nearest Railway Station: Harihara (47km) Nearest Airport: Mangalore (310 km)
11	Nearest Town, City, District Headquarters along with distance in Kms.	Nearest town: Honnali (13 km) Nearest City: Shomoga (25 km) Nearest Dist.: Davangere (40 km)

12	Village Panchayts , Zilla Parishad, Muncipal corporation, Local body (Complete Postal Address with Telephone Nos. to be given)	Village Panchayt : Kotehalu, Village, Honnali Taluk, Davangere. Zill Parishad : ZP office, Honnali Taluk, Davangere. Muncipal Corporation : MC office, Main Road, Honnali.
13	Name of the applicant	**Sri. B.J. Sunilkumar**
14	Registered Address	**B.J. Sunilkumar** Proprietor **M/s. Global Manpower Agency** Near Nutan College, LIC Colony Davangere District - 577004 Karnataka State, Ph No. : +91 9449643555
15	Address for correspondence :	**B.J. Sunilkumar** Proprietor **M/s. Global Manpower Agency** Near Nutan College, LIC Colony Davangere District - 577004 Karnataka State, Ph No. : +91 9449643555
	Name	**Sri. B.J. Sunilkumar**
	Designation (Owner/Partner/CEO)	Owner
	Address	**B.J. Sunilkumar** Proprietor **M/s. Global Manpower Agency** Near Nutan College, LIC Colony Davangere District - 577004 Karnataka State, Ph No. : +91 9449643555
	Pin Code	-
	Email	-
	Telephone	-
	Fax	-
16	Details of alternative Sites examined, if any Location these sites should be shown on topo sheet.	The River Sand Quarrying Project is site specific. Location Map showing the lease area is enclosed vide Plate No 1
17	Interlinked Project	No Interlinked Projects
18	Whether separate application of Interlinked projects has been submitted?	Not applicable



19	If yes, date of submission	Not applicable
20	If. No reason	No interlink projects are required for sand mining and production.
21	Whether the proposal involves approval / clearance under; if yes details of the same and their status to be given.	The sand quarry lease does not fall under any Forest area or Wild Life Sanctuary area.
	The Forest (Conservation) Act,1980 The wild life (Protection) Act, 1972	
	The C.R.Z Notification, 1991	
22	Whether there is any Government order/Policy relevant? Relating to the site?	The area is granted by Sr. Geologist, Department of Mines & Geology, Davanagere vide The Letter of Intent No. DMG/SG/DVG/RSLOI/2017-18/179 Dated 10/04/2017 in this regards is enclosed as Annexure-I.
23	Forest land involved (hectares)	No
24	Whether there is any litigation pending against the project and / or land in which The project is propose to be set up?	No
	(a)Name of the Court	-
	(b)Case No.	-
	(c)Order / directions of the court, if any and its relevance with the proposed project.	-

Capacity corresponding to sectoral activity (such as production capacity for manufacturing, mining lease area and production capacity for mineral production, area for mineral exploration, length for linear transport infrastructure, generation capacity for power generation etc.,)

II. Activity

1. **Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc:**

Sl. No.	Information/Checklist confirmation	Yes/ No	2.0m
1.1	Permanent or temporary change in land use, land cover or topography including to local land use plan	No	This is a River Sand Mining and hence there will be some change in land use during active quarrying of sand. However natural replenishment of sand is a continuous process and therefore there shall not be any permanent change in the land use.

1.2	Clearance of existing land, vegetation and building?	No	No
1.3	Creation of new land uses?	No	No
1.4	Pre-construction investigation e.g bore houses, soil testing?	No	Not required. No pre construction investigation is involved in Sand Quarry.
1.5	Construction works?	No	A small office will be hired or constructed in the Kotehal village to supervise work.
1.6	Demolition works?	No	Not applicable. As there are no construction activities.
1.7	Temporary sites used for construction works or housing of construction workers?	No	No construction work or housing of construction work is involved in this project. The labour requirement for the project shall be obtained from the nearest village.
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations	No	No building, structures are required in this sand quarrying project. The quarrying of river sand shall be restricted to 1m depth from the surface or up to the water level, whichever is less.
1.9	Underground works including mining or tunneling?	No	Not applicable.
1.10	Reclamation works?	No	The natural replenishment of sand is a continuous process and therefore the reclamation of the worked out pit shall be done naturally.
1.11	Dredging?	No	No dredging shall be done in this project.
1.12	Offshore structures?	No	Not required.
1.13	Production and manufacturing process	No	There is no requirement of any production & manufacturing process
1.14	Facilities for storage of goods or materials?	No	The manually excavated sand shall be loaded to tippers and transported outside.
1.15	Facilities for treatment or disposal of solid waste or liquid effluents?	No	There is no top soil to be generated in this area.
1.16	Facilities for long term housing of operational workers?	No	There is no proposal for any housing in this project. Local workers will be deployed for quarrying of the sand.

1.17	New road, rail or sea traffic during construction or operation?	No	No new roads, rails etc are required.
1.18	New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?	No	Not required
1.19	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?	No	Not required
1.20	New or diverted transmission lines or pipelines?	No	No
1.21	Impoundment, damming, converting, realignment or other changes to the hydrology of watercourses or aquifers?	No	No Impoundment, damming, converting, realignment or other changes to the hydrology of watercourses or aquifers is required.
1.22	Stream crossings?	No	No
1.23	Abstraction or transfers of water from ground or surface waters?	No	No
1.24	Changes in water bodies or the land surface affecting drainage or run-off?	No	There will be no change in the water bodies or land surfaces
1.25	Transport of personnel or materials for construction, operation or decommissioning which could have an impact on the environment?	No	Local labours will be deployed for quarrying.
1.26	Long-term dismantling or decommissioning or restoration works?	No	Not applicable
1.27	Ongoing activity during decommissioning which could have an impact on the environment?	No	Not applicable
1.28	Influx of people to an area in either temporarily or permanently?	No	There shall not be any influx of people to the area as only Local labours will be deployed
1.29	Introduction of alien species?	No	No such Introduction of alien species
1.30	Loss of native species or genetic diversity?	No	No, as such no loss of native species or genetic diversity is expected.
1.31	Any other actions?	No	Not applicable

2. **Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):**

Sl. No	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
2.1	Land especially undeveloped or agricultural land (Ha)	No	The quarrying of sand shall be carried out in the river bed upto the depth of 4m from surface. There is no agriculture land / or specially developed land proposed to be utilized in this project.
2.2	Water (expected source & competing users) unit: KLD	Yes	Total water requirement is about 23KLD (2 KLD for drinking water & domestic + 21KLD for Dust Suppression). The water shall be brought from nearby bore holes 2 tankers.
2.3	Minerals (MT)	Yes	Totally 114650 tonnes sand will be excavated in this quarrying project in the five years of the plan period.
2.4	Construction material –stone, aggregates, sand / soil (expected source –MT)	No	Not required
2.5	Forests and timber (sources – MT)	No	No
2.6	Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy MW)	No	There is no requirement of any fuel in these manually proposed sand quarrying operations. The tippers with diesel motive powers shall be used for transportation.
2.7	Any other natural resources (use appropriate standard units)	No	No other natural resources will be used.

3. **Use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment of, raise concerns about actual or perceived risks to human health:**

Sl. No	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
3.1	Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)	No	Project operation will not involve use of any materials which is hazardous to human health or environment.
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)	No	Not applicable

3.3	Affect the welfare of people e.g. by changing living conditions?	Yes	The proposed project will generate employment opportunities & revenue to the state government
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,	No	This proposed project will not affect the vulnerable groups of people.
3.5	Any other causes	No	Not applicable.

4. **Production of solid wastes during construction or operation or decommissioning (MT/month):**

Sl. No	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
4.1	Soil, overburden or mine wastes	Yes	Soil – Nil Overburden – Nil Mine waste – Nil
4.2	Municipal waste (domestic and or commercial wastes)	No	There shall not be any domestic or commercial waste in the lease area due to quarrying operations.
4.3	Hazardous wastes (as per Hazardous Waste Management Rules)	No	No hazardous waste are envisaged
4.4	Other industrial process wastes	No	No industrial waste is going to generate due to this quarrying operations.
4.5	Surplus product	No	No surplus product is going to generate
4.6	Sewage sludge or other sludge from effluent treatment	No	There is no effluent treatment process to be implemented in this sand quarrying project.
4.7	Construction or demolition wastes	No	There will not be any construction activity in this sand quarrying project.
4.8	Redundant machinery or equipment	No	The sand quarrying shall be done manually and there will not be any redundant machinery or equipment used this sand quarrying project.The equipment like tippers for transportation can be utilized.
4.9	Contaminated soils or other materials	No	There is no soil is leased area and there is no other material going to contaminate due to this sand quarrying project.
4.10	Agricultural wastes	No	No agricultural waste will produce.
4.11	Other solid wastes	No	Not applicable

5. Release of Pollutants or any Hazardous, Toxic or Noxious Substances to Air (Kg/Hr):

Sl. No	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources	Yes	The Emissions of SO_2 & NO_2 is expected to be negligible due to running of diesel operated tippers for transportation. It will not have any much impact on pollution level. Good maintenance of tipper will definitely maintain the emission levels within standards.
5.2	Emissions from production process	No	Not envisaged.
5.3	Emissions from materials handling including storage or transport	Yes	Negligible emission generation is possible for a short time during manual loading and unloading of sand at the stockyard.
5.4	Emissions from construction activities including plant and equipment	No	Not applicable
5.5	Dust or odors from handling of materials including construction materials, sewage and waste	No	Not applicable
5.6	Emissions from incineration of waste	No	Not applicable
5.7	Emissions from burning of waste in open air (e.g. slash materials, construction debris)	No	Not applicable
5.8	Emissions from any sources	No	Emissions from other sources are not envisaged.

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

Sl. No	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers.	Yes	The manual quarrying operation is proposed in these lease area were expect transportation tippers no other machineries will be utilized. The site specific noise level may increase marginally due to tipper movement for transportation.
6.2	From industrial or similar processes	No	No such process is proposed.
6.3	From construction or demolition	No	No construction or demolition work is proposed.

6.4	From blasting or piling	No	No blasting and pilling is required as material is of loose nature.
6.5	From construction or operational traffic	No	The manual quarrying operation is proposed in these lease area were expect transportation tippers no other machineries will be utilized. The site specific noise level may increase marginally due to tipper movement for transportation. The green belt development all along the river bank reduces the propagation of noise.
6.6	From lighting or cooling systems	No	There is no requirement of any cooling system and lighting system. The working of sand quarry shall be restricted at day time from 6am to 6pm.
6.7	From any other sources	No	Not envisaged

7. Risks of contamination of Land or Water from releases of Pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

Sl. No	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
7.1	From handling, storage, use or spillage of hazardous materials.	No	There will be no generation of hazardous material during mining process.
7.2	From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)	No	There shall not be any Domestic discharge from this sand quarry area.
7.3	By deposition of pollutants emitted to air into the land or into water	No	Not envisaged for river bed quarrying area
7.4	From any other sources	No	Not envisaged
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?	No	There is no risk of any long term buildup of pollutants in environment due to this sand quarry project.

8. Risk of accidents during construction or operation of the Project, which could affect human or the environment:

Sl. No	Information/checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous substance	No	No explosives or hazardous substances will be used.
8.2	From any other causes	No	Adequate measures for safety will be taken during operation stage as per MMR-1961
8.3	Could the project be affected by natural disasters causing environmental damage (e.g. Floods, earthquakes, landslides, cloudburst etc)?	No	No records or occurrence of natural disasters previously in this region.

9. Factors which should be considered (such as consequential development) which could lead to environmental effects or the potential for cumulative impacts) with other existing or planned activities in the locality:

Sl. No	Information/Checklist confirmation	Yes/ No	Details thereof (with approximate quantities / rates, wherever possible) with source of information data
9.1	Lead to development of supporting, lities, ancillary development or development simulated by the project which could have impact on the environment e.g.: • Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.) • Housing development • Extractive industries • Supply industries • Other`	No	Nil Nil Nil Nil Nil
9.2	Lead to after-use of the site, which could have an impact on the environment	Yes	There could be water logged for sometime during rainy season.
9.3	Set precedent for later developments	No	Not Applicable
9.4	Have cumulative effects due to proximity to other existing or planned projects with similar effects	No	Not Applicable

III Environmental Sensitivity:

Sl. No	Area	Name/ Identity	Arial distance (within 15 km.) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value.	No	Not applicable
2	Areas which are important or sensitive for ecological reasons – Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests.	Yes	The project lies on Tungabhadra river.
3	Areas used by protected important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration.	No	Not applicable
4	Inland, coastal, marine or underground waters.	No	Not applicable
5	State, National boundaries.	No	Not Applicable
6	Routes or facilities used by the public for access to recreation	Yes	State high way from Honnali to Shomoga is located at the distance of 4.5kms from the said quarry.
7	Defense installations.	No	Nil
8	Densely populated or built-up area.	No	Nearest town Honnali is located at 13km.
9	Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)	Yes	Kotehal is nearest village with all community facilities like schools, hospitals etc. are located at 1.0 km from the lease.
10	Areas containing important, high quality or scare Resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)	No	Agricultural lands are nearby. Except sand (which is located all around) no other minerals or mining areas are located close by
11	Areas already subjected to pollution or environmental damage.(those where existing legal environmental standards are exceeded)	No	No
12	Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)	No	Not applicable

IV Terms of Reference for EIA studies: Not Applicable

I hereby give undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at our risk and cost.

Date : 20.04.2017

Place : Davangere

Signature of Applicant

B.J.SUNILKUMAR.
Proprietor
M/s. Global Manpower Agency
Near Nutan College, LIC Colony
Davangere District - 577004
Karnataka State
Mobile No: +91 9449643555

EXECUTIVE SUMMARY:

Sri. B.J. Sunilkumar, Proprietor, M/s. Global Manpower Agency, Near Nutan College, LIC Colony, Davangere - 577004 Karnataka had made an application on Kotehal Sand Block, over an extent of 15.0 Acres at Tungabhadra River Bed, opposite to Survey No. 15,16,17-25 at Kotehal Village, Honnali Taluk, Davangere Dist, Karnataka, for the quarrying of sand. The Letter of Intent in this regards is enclosed as **Annexure-I.** The location of the quarry is shown on the Key Plan enclosed vide **Plate No - 1.** The lease map of proposed sand block is enclosed vide **Plate No. - 2.**

The said sand block is having an approved quarrying plan by Sr. Geologist, Dept. of Mining & Geology, Govt. of Karnataka, Davanagere. The quarrying plan approved vides Letter No. DMG/SG/DAVANAGERE/SBQP-01/2017-0/343 dated 17.04.2017. A copy of approved letter is enclosed.

DETAILS OF THE SITE

a)	**Details of area (with location map)**	**:**	The lease is marked on Key plan enclosed vide **Plate No.1A.**
i)	District and State	:	Davangere, Karnataka
ii)	Taluk / Mandal	:	Honnali
iii)	Village	:	Kotehal
iv)	Khasara No. / Plot No. / Block / Gat No etc	:	Opposite to Survey No. 15,16,17-25
v)	Lease Area (Hectares)	:	15 Acres
vi)	Whether the area is recorded to be in forest (please specify whether protected, reserved etc.,)	:	No
vii)	Ownership / Occupancy	:	Government
viii)	Existence of public road/railway line, if any, nearby and approximate distance of the Nearest Port / Airport	:	The nearest railhead is Harihara located at 47km from the sand block. Nearest airport – Mangalore (310km)
ix)	Topo sheet No.	:	Map Sheet Index 48N/12
	1		N 14^0 08’ 03.7” & E 75^0 42’ 52.2”
	2		N 14^0 07’ 50.2” & E 75^0 42’ 48.4”
	3		N 14^0 07’ 40.5” & E 75^0 42’ 44.2”
	4		N 14^0 07’ 36.4” & E 75^0 42’ 38.8”

	5		N 14^0 07' 33.5" & E 75^0 42' 32.3"
	6		N 14^0 07' 35.1" & E 75^0 42' 31.6"
	7		N 14^0 07' 38.0" & E 75^0 42' 38.0"
	8		N 14^0 07' 41.7" & E 75^0 42' 43.0"
	9		N 14^0 07' 50.6" & E 75^0 42' 46.8"
	10		N 14^0 08' 04.2" & E 75^0 42' 50.5"

Accessibility: The identified sand block is located in the Tungabhadra river bed at a distance of 1.0 km East of Kotehal Village. This Kotehal village is located at a distance of 4.0km from Chilurkadadakatte cross on Harihara - Shimoga Highway. From Harihara the distance of the Chilurkadadakatte cross is 42.0 km via Honnali. The distance of the quarry from Harihar talku head quarter is 47 km.

Topography: This Sand Block area is a plain area. The highest elevation in this area is 552mRL and the lowest elevation is 551.5mRL in the Sand. The temperature varies from a minimum of 8.40^0C during winter and maximum of 45^0C during the summer. The average rainfall is about 408.14mm per annum.

Drainage: The seasonal nallah's will drain the rain water during monsoon and ultimately join into the Tungabhadra River. The water table in the quarry is about 18mon below the general ground level.

Environmental Setup: The area is surrounded by the agricultural lands, waste lands and few quarries. The agriculture is carried out to grow mainly Jawar, Paddy, Sun Flower & Chiili, etc.The fauna like Snakes, Rabbits and Mongoose are seen periodically. The climate is dry and medium hot during the summer months. The temperature varies from a minimum of 8.40^0C to a maximum of 45.0^0C during the twelve months of the year. The rainfall is about 408.14mm in the year 2016. The The nearest village is Kotehal Village located at a distance of 1.0km from this sand block. No public buildings, monuments exist, in the lease area or adjacent to the lease area.

Beneficiation plant process: -There is no proposal for any processing / beneficiation plant in this area. The screening shall be done manually or by using gravity screen

Power Supply: -A small generator shall be used for the office use as and when required.

Man Power & Site Services: -About 45 persons shall be employed in the company to run the quarry and equivalent persons shall be indirectly employed in allied activities.

The statutory and administrative facilities like Rest Shelter, First Aid Station, Latrines/Urinals, Canteen, and Water supply for drinking purpose shall be made available at outside the sand block. These facilities shall be a temporary basis.

Cost of the project: - Total cost of the project is Rs.20.00 Lakhs.

Conclusion: The Project is economical & Viable with Social Economic up-liftmen of local people of the buffer zone.

1. INTRODUCTION OF THE PROJECT/ BACKGROUND INFORMATION:

I. Identification of project and project proponent. In case of Mining project, a copy of mining lease/ letter of intent should be given.

The Kotehal Sand Block, over an extent of 15.0 Acres at Tungabhadra River Bed, opposite to Survey No. 15,16,17-25 at Kotehal Village, Honnali Taluk, Davangere Dist, Karnataka, for the quarrying of sand. The Letter of Intent in this regards is enclosed as **Annexure-I.**

Name & address of lessee & Registered Office	**Sri. B.J. SUNILKUMAR** Proprietor **M/s. Global Manpower Agency** Near Nutan College, LIC Colony Davangere District - 577004 Karnataka State Mobile No: +91 9449643555

II. Brief description of nature of the project

Now as a statutory requirement a Quarrying Plan (including Progressive Quarry Closure Plan) showing position of systematic excavation of sand for the period of five years and to address the mining related issues, required to be prepared and submitted to Sr. Geologist, Dept. of Mines & Geology, Davanagere for approval. Hence a quarrying plan is prepared for the period five Year for the maximum production of 22930 tonnes per year. The proposed Quarrying Plan is being prepared under Rule 18(3) of "Karnataka Minor Mineral Concession Rules-1994 and under Rule 8C, 8F & 8H (1) of Karnataka Minor Mineral Concession (Amendment) Rules-2013 and KMMC (Amendment) Rules, 2016. During this period the sand quarrying shall be restricted to 1.0m depth from surface or water level whichever is less.

Itis proposed to produce maximum 22930 tonnes sand from this block per year by manual quarrying method. A team of 45 labours shall be deployed for quarrying the sand and screening (Wherever required). A JCB shall be used for loading the sand into tippers. The sand shall be supplied to the consumer for building construction, infrastructure development and other civil works.

III. Need for the project and its importance to the country and or region.

The sand is the basic filling material for infrastructure development and construction activities. Mining for extraction of sand is one of the important economic activity contribute to the State Revenue of Karnataka.

The mining activities shall provide socio-economic benefits to the local populace with direct & indirect employment opportunities. The regional benefits to the state in the form of Royalty, Cess, Taxes etc.

IV. Demand-Supply Gap.

The demand for sand is increasing along with the increase in infrastructure and construction activities in Karnataka. This sand block can produce max. 22930 tons of sand annually for the infrastructure & construction industry in and around Davanagere District.

V. Imports Vs Indigenous production

The requirement of sand stone in infrastructure industry is huge whereas the prices of sand are low and due to heavy transportation cost. The import or export of the same is not feasible. The generated sand shall be sold in the local market for infrastructure development and construction of buildings.

VI. Export possibility.

The price of the sand is very low & the transportation cost is very high. Hence there are no export possibilities of the same. However, there no demand for export of sand.

VII. Domestic/Export markets.

The generated material shall be sold for the building construction & infrastructure development within State.

VIII. Employment Generation (Direct and Indirect) due to the project.

As per the requirement of Mines Act and MCDR 1980, Mining engineer and Foreman shall be appointed to supervise the quarrying operations. The list of the staff and workmen those shall be employed in the quarry is given below.

Sl. No	Particulars	No's
1	Highly Skilled	1
2	Skilled	2
3	Semi-skilled	2
4	Un-skilled	40
	Total	**45**

2. PROJECT DESCRIPTION

(i) Type of project including interlinked and interdependent projects, if any.

The sand shall be produced by excavating with JCB and transported to the stack yard. The sand shall be sold to consumer from the stockyard.

(ii) Location (map showing general location, specific location, and project boundary & project site layout) with Co-ordinates.

The Kotehal Sand Block, over an extent of 15.0 Acres at Tungabhadra River Bed, opposite to Survey No. 15,16,17-25 at Kotehal Village, Honnali Taluk, Davangere Dist, Karnataka. The location of the same is shown in Plate No.1.

The latitude & longitude of the area is given below.

Latitude	N $14^0$07' 33.5" to N $14^0$08'04.2"
Longitude	E $75^0$42'31.6" to E $75^0$42'52.2"

(iii) Details of alternate sites considered and the basis of selecting the proposed site, particularly the environmental considerations gone into should be highlighted.

Sand blocks are site specific. Hence there is no alternative suitable area available for quarrying. However the area is located in Tungabhadra River Bed area of Davanagere Dist.

(iv) Size or magnitude of operation.

Small scale operation.

(v) Project description with process details (a schematic diagram/ flow chart showing the project layout, components of the project etc. should be given).

It is proposed to produce maximum 22930 tonnes sand from this block per year by manual quarrying method. A team of 45 labours shall be deployed for quarrying the sand and screening (Wherever required). A JCB shall be used for loading the sand into tippers. The sand shall be supplied to the consumer for building construction, infrastructure development and other civil works.

(vi) Raw material required along with estimated quantity, likely source, marketing area of final products, mode of transports of raw Material and finished product.

Not applicable.

(vii) Resource optimization/ recycling and reuse envisaged in the project, if any, should be briefly outlined.

There is no top soil to be generated in this area. There is no waste is expected to be generate during these five years period of mining.

(viii) Availability of water its source, Energy/ power requirement and source should be given.

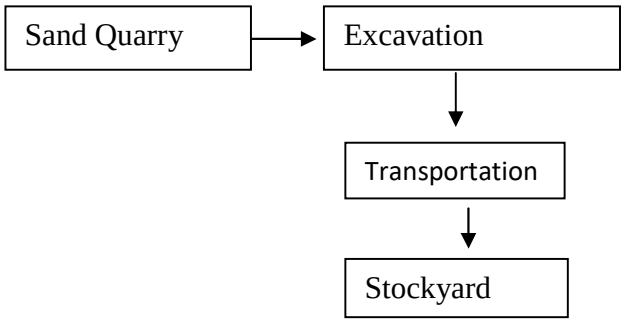
Ground water is the major source of water. Around 23 KLD of water is required for dust suppression, domestic and afforestation, which shall be drawn from nearby borewells.

(ix) Quantity of wastes to be generated (liquid and solid) and scheme for their Management/ disposal.

There is no top soil to be generated in this area. There is no waste is expected to be generate during these five years period of mining.

(x) Schematic representations of the feasibility drawing which give information of EIA purpose

Quarrying Operations



3. SITE ANALYSIS:

(i) Connectivity.

The identified sand block is located in the Tungabhadra river bed at a distance of 1.0 km East of Kotehal Village. This Kotehal village is located at a distance of 4.0km from Chilurkadadakatte cross on Harihara - Shimoga Highway. From Harihara the distance of the Chilurkadadakatte cross is 42.0 km via Honnali. The distance of the quarry from Harihar talku head quarter is 47 km.

(ii) Land Form, Land use and Land ownership.

The ultimate land use at the end of fifth year plan period for various san mining activities is given below.

Land use at the end of 5th year.

Particulars	Land use pattern at present stage (Ha)	Land use pattern At the end of plan period (Acres)
Area for Sand quarrying /quarrying activities	0.00	10.10
Area for Safety Barrier	-	4.40
Area for Road	-	-
Un-mined area	-	0.50
Total	**0.00**	**15.00**
Unused area	15.00	-
Total Quarry area	**15.00**	**15.00**

(iii) Topography (along with map).

This Sand Block area is a plain area. The highest elevation in this area is 552mRL and the lowest elevation is 551.5mRL in the Sand. The temperature varies from a minimum of 8.40^0C during winter and maximum of 45^0C during the summer. The average rainfall is about 408.14mm per annum.

(iv) Existing land use pattern (agriculture, non-agriculture, forest, water bodies (including area under CRZ)), shortest distances from the periphery of the project to periphery of the forests, national park, wild life sanctuary, eco sensitive area, water bodies (distance from the HFL of the river). CRZ. In case of notified industrial area, a copy the Gazette notification should be given.

The buffer zone area is mainly covered by agricultural lands. A small part of the area is covered by Forest, Waste lands and villages. A key plan is enclosed vide **Plate No. 1A**.There are no sanctuaries, National Parks, Mangroves etc. with in the vicinity.

(v) Existing Infrastructure.

Hospital, Post Office, basic Educational and Transportation facilities are available at Honnali town. The major Hospitals, Colleges, transportation facilities are at Harihara.

(vi) Soil Classification:

The soil is red in color and clay with loamy nature.

(vii) Climatic data from Secondary Sources:

MAXIMUM & MINIMUM TEMPERATURE: The Maximum temperature around 45.0^{0}C during summer, while the minimum temperature is around 8.40^{0}C during winter.

RELATIVE HUMIDITY: Moderate Relative Humidity is observed 5.60% to84.71%.

RAINFALL: The annual rainfall receives in this area in the year is 408.14mm.

WIND VELOCITY &DIRECTION: The results of Study period reveal that the minimum and maximumwind speeds are calm to 1.98 km/hr.

(viii) Social Infrastructure available:

Electricity is available in nearest village Kotehal. Water supply to nearby villages is also being carried out by Panchayats. Communication system through Posts, telephone, mobile phone, services are available in this village.

4. PLANNING BRIEF:

i. Planning concept (type of industries, facilities, transportation etc) Town and Country planning/ Development authority Classification:

It is proposed to produce maximum 22930 tons sand per annum. The generated material will be transported by trucks to the stack yard proposed to be located outside the lease area and from there it shall be transported to the consumer. Effective Environment Management will be carried out to control the pollution of Air, Water and Noise.

ii. Population Projection: There will not be any increase in population due to the project. The man power required shall employed from the local areas. The drivers / truck operators also shall be engaged from local areas. Hence influx of population from outside is not anticipated.

iii. Land use planning (breakup along with green belt etc):

Particulars	Land use pattern at present stage (Ha)	Land use pattern At the end of plan period (Acres)
Area for Sand quarrying /quarrying activities	0.00	10.10
Area for Safety Barrier	-	4.40
Area for Road	-	-
Un-mined area	-	0.50
Total	**0.00**	**15.00**
Unused area	15.00	-
Total Quarry area	**15.00**	**15.00**

iv. Assessment of Infrastructure demand (physical & social):

The increase in population due to influx of people because of this project is not expected. Hence, infrastructure demand both inform of physical and social in terms of Amenities / Facilities will be negligible.

5. PROPOSED INFRASTRUCTURE

(i) Industrial Area (Processing Area):

Existing road shall be strengthened & made use for the transportation. Requirement of power to office outside the lease area supply will be met through generator. The man power requirement shall be employed from local area, no additional infrastructure is required. The existing infrastructure (Roads) shall be developed and strengthened.

(ii) Residential Area (Non Processing Area):

No additional residential area is required as the manpower for this project shall be employed from the nearby villages.

(iii) Green Belt:

About 4.4 Acre area earmarked for safety barrier. Afforestation shall be done outside the lease area along the haulage road by planting about 100 saplings. Apart from this the entire stretch of river bank over the length of 1100m shall be planted with 400 saplings of the suitable indigenous plants species like Honge and Hippe etc.,

(iv) Social Infrastructure:

No additional social infrastructure is required.

(v) Connectivity (Traffic and Transportation Road/ Rail/ Metro/ Water ways etc)

No additional social infrastructure is required for traffic and transportation. Existing infrastructure will be made use by strengthening & maintaining the existing roads.

(vi) Drinking water Management (Source & Supply of Water):

Drinking water shall be made available at Quarry head. The water will be supplied from the nearby bore wells.

(vii) Sewerage system:

Not applicable, as no human settlement is proposed in the lease area.

(viii) Industrial Waste Management:

No industrial waste is going to generate at this quarry

(ix) Solid waste Management:

There is no waste is expected to be generate during these five years period of mining.

5.1. Power Requirement & Supply / Source:

Small generator shall be used for office as and when required.

6. REHABILITATION AND RESETTLEMENT (R*R) PLAN

(i) Policy to be adopted (Central/ State) in respect of the project affected persons including home ousters, land ousters and land less laborers (a brief outline to be given):

Not applicable since there is no rehabilitation and resettlement involved in this project.

7. Project schedule & Cost Estimates

i. Likely date of start of construction and likely date of completion (Time schedule for the project to be given):

The Sand Block will be commenced immediately after getting the statutory approvals from Government authorities. Total cost of the project is about 20.00 lakhs.

ii. Estimated project cost along with analysis in terms of Economic viability of the project.

Considering the present domestic market conditions of the products, the appx. Cost of the project estimated is around 20.00lakhs. The summary of the assets are given below. Mining machinery will be hired through contractors.

Sl No.	DESCRIPTION	Capital investment Cost in lakh Rs.
1	Water Tanker	10.00
2	Development of Quarry	2.00
3	Strengthen of approach road	2.00
4	Temporary sheds, Rest shelters etc.,	1.00
5	Environmental control measures	1.00
6	Development of green belt all along the approach road	2.00
7	Miscellaneous	2.00
Total		**20.00**

8. Analysis of proposal (Final Recommendations)

It is a remote area and in buffer zone villages, this project will be one of the major economic activities resulting in generation of revenues to the state and central governments, by way of Royalties, Taxes, Central Excise etc., and the living condition of the persons shall improve, thus contributing to the overall up gradation of living standards. The infrastructure development will also improve due to the upcoming quarry.

The socio-economic parameters of the area undergo change due to:

- Changes in the employment pattern of the area.
- Changes in the pattern of facilities available, both in respect of the increase in infrastructure facilities as well as other services.
- Improvements in money supply in the area through better earning capacity of population.
- Better health care for the locality, as facilities available with the quarry can become available to the community including special camps to be arranged.

Conclusion:

This upcoming project will meet the development needs of the state without causing any negative influence on the environment. It can be summarized that the development of Kotehal Sand Block-04 will have a positive impact on the socio-economics of the area and lead to overall sustainable development of the region.

1.0 INTRODUCTION

Sri. B.J. Sunilkumar, Proprietor, M/s. Global Manpower Agency, Near Nutan College, LIC Colony, Davangere - 577004 Karnataka had made an application on Kotehal Sand Block, over an extent of 15.0 Acres at Tungabhadra River Bed, opposite to Survey No. 15,16,17-25 at Kotehal Village, Honnali Taluk, Davangere Dist, Karnataka, for the quarrying of sand. The Letter of Intent in this regards is enclosed as **Annexure-I.** The location of the quarry is shown on the Key Plan enclosed vide **Plate No - 1.** The lease map of proposed sand block is enclosed vide **Plate No. - 2.**

2.0 LOCATION & ACCESSIBILITY

The identified sand block is located in the Tungabhadra river bed at a distance of 1.0 km East of Kotehal Village. This Kotehal village is located at a distance of 4.0km from Chilurkadadakatte cross on Harihara - Shimoga Highway. From Harihara the distance of the Chilurkadadakatte cross is 42.0 km via Honnali. The distance of the quarry from Harihar talku head quarter is 47 km.

SALIENT FEATURES OF THE STUDY AREA

a)	**Details of area (with location map)**	**:**	The lease is marked on Key plan enclosed vide **Plate No.1A.**
i)	District and State	**:**	Davangere, Karnataka
ii)	Taluk / Mandal	**:**	Honnali
iii)	Village	**:**	Kotehal
iv)	Khasara No. / Plot No. / Block / Gat No etc	**:**	Opposite to Survey No. 15,16,17-25
v)	Lease Area (Hectares)	**:**	15 Acres
vi)	Whether the area is recorded to be in forest (please specify whether protected, reserved etc.,)	**:**	No
vii)	Ownership / Occupancy	**:**	Government
viii)	Existence of public road/railway line, if any, nearby and approximate distance of the Nearest Port / Airport	**:**	The nearest railhead is Harihara located at 47km from the sand block. Nearest airport – Mangalore (310km)
ix)	Topo sheet No.	**:**	Map Sheet Index 48N/12
	1		N 14° 08' 03.7" & E 75° 42' 52.2"
	2		N 14° 07' 50.2" & E 75° 42' 48.4"
	3		N 14° 07' 40.5" & E 75° 42' 44.2"
	4		N 14° 07' 36.4" & E 75° 42' 38.8"
	5		N 14° 07' 33.5" & E 75° 42' 32.3"

	6		N 14° 07' 35.1" & E 75° 42' 31.6"
	7		N 14° 07' 38.0" & E 75° 42' 38.0"
	8		N 14° 07' 41.7" & E 75° 42' 43.0"
	9		N 14° 07' 50.6" & E 75° 42' 46.8"
	10		N 14° 08' 04.2" & E 75° 42' 50.5"

3.0 GEOLOGY & EXPLORATION

3.1 TOPOGRAPHY:

This Sand Block area is a plain area. The highest elevation in this area is 552mRL and the lowest elevation is 551.5mRL in the Sand. The temperature varies from a minimum of 8.40°C during winter and maximum of 45°C during the summer. The average rainfall is about 408.14mm per annum.

Regional& Local Geology:

Regional Geology :

The word "sand" is used to mean the fine, somewhat gritty and stuff material. Weathered rocks account for most of the sand on Earth. The sand is a weathered product of the different rock types came across during the flow of the river.

Sands can be divided according to their compositions into two major groups. One is the carbonate sands made of particles of CaCO3. The other is commonly called the "siliciclastic sands", refers to a chemical composition rich in silicate material and to the origin of the grains as fragments of silicate rocks.

Siliciclastic sands are defined as sands consisting of grains that originated as fragments of silicate rocks. They thus typically consist of silicate minerals, such as quartz, feldspars and micas such as muscovite and biotite. Other dark-colored to black Mg- and Fe-bearing silicates (mafic silicates) like hornblende, pyroxene, and even olivine can be present. Silicates such as zircon ($ZrSiO_4$) and titanite or sphene ($CaTiOSiO_4$) are commonly present, but usually in minor amounts.

The sand in this area is derived due to weathering and erosion of the basaltic rock. The sand is coarse and black in colour.

Local Geology :

Geologically the sand in this area which is deposited by Tungabhadra river is derived from the weathering of Granitic rock. The Granitic rock broken in to the pieces due to weathering and also worn during erosion due to colliding on each other. The colour of the sand is white/ cream and it is coarse grained. A Surface geological plan is prepared showing the sands and enclosed vides **Plate No.4.**

GEOLOGICAL RESERVES

The geological reserves are estimated and given below.

Category	Resources in Tons	UNFC code
Geological Resources	412760	322
Total	**412760**	322

Mineable reserves of Sand

Category	Quantity in Tons
Mineable Reserves	**68789**

The resources / reserves in this area are estimated by cross sectional method. The mineralized area on cross section is measured and multiplied by the sectional influence to calculate the volume. The volume is multiplied by the Bulk density 1.7/m^3 to estimate the tonnage.

The mineral reserves of sand are estimated out of indicated resources after deleting the rock blocked in the 7.5m safety barrier.

4.0 M I N I N G

The area is located in the Tungabhadra river bed in Bhagewadi village and it has witnessed the sand upto 1.0m depth. In these five years of the mining plan period, it is proposed to work in entire area of lease except 7.5m safety barrier area. The mining operations in the lease area would be confined to day hours from 6 AM to 6 PM.

It is proposed to produce maximum 22930 tonnes sand from this block per year by manual quarrying method. A team of 45 labours shall be deployed for quarrying the sand and screening (Wherever required). A JCB shall be used for loading the sand into tippers. The sand shall be supplied to the consumer for building construction, infrastructure development and other civil works.

4.1.1 DEVELOPMENT:

There is no waste is expected to generate during quarrying in this river bed in these five years.

4.1.2 PRODUCTION:

The proposed quantities of production expected year wise are given below.

Production Plan period for 5 years (Tons)

Plan Period	Proposed Production in tons
2017-18	22930
2018-19	22930
2019-20	22930
2020-21	22930
2021-22	22930
Total	**114650**

4.1.3 ANTICIPATED LIFE OF THE MINE:

The total reserves in this area are 68789 tonnes and in the plan period of five years 128060 tonnes sand is expected to deposit by replenishment in the lease area. It is proposed to produce 114650 tonnes during these five years of the plan period. Therefore the life of the Quarry is nearly 10 years (which include additional replenishment of sand).

4.1.7 CONCEPTUAL MINING

At conceptual stage there shall be two pits in this area. The length of the first pit shall be 189m and width shall be Average 36m and the length of the second pit shall be 985m and Average width shall be 36m.This pit at the conceptual stage shall be left over for re-deposition of transported sand by river flow.

4.2 SITE SERVICES:

The statutory and administrative facilities like Rest Shelter, First Aid Station, Latrines/Urinals, Canteen, and Water supply for drinking purposes shall be made available near to the sand block.

4.7 NATIONAL SANCTUARY/ ARCHAEOLOGICAL IMPORTANCE SITES/ INTERSTATE BOUNDARY WITHIN 10 KM RADIUS?

There is no National parks, wild life Sanctuaries, Biosphere reserves, Tiger reserves, Elephant corridor heritage site, Archaeological importance sites, interstate boundaries, Hebetate etc., within 10 Kms radius.

ENVIRONMENTAL MANAGEMENT PLAN:-

The Environment Management Plan (EMP) is required to ensure sustainable development in the quarry area and buffer zone area. The proposed mitigating measures are required for meeting the prevailing statutory requirements of gaseous emissions, water discharge characteristics, noise levels etc for environmental management purpose in connection with the quarrying & quarrying related activities in the study area.

For attaining the desired objective of good environmental quality in the area, several management strategies in different phases are proposed and evaluated.

- Planned improvements including additional control measures
- Fugitive dust reduction on roads
- Measures to alleviate problems affecting villages near quarrying area
- Planning for the progressive closure of the sand block

This section discusses the management plan for mitigation/abatement impacts and enhancement of beneficial impacts due to quarrying. The Environmental Management Plan (EMP) has been designed within the framework of various Indian legislative and regulatory requirements on environmental and socio-economic aspects.

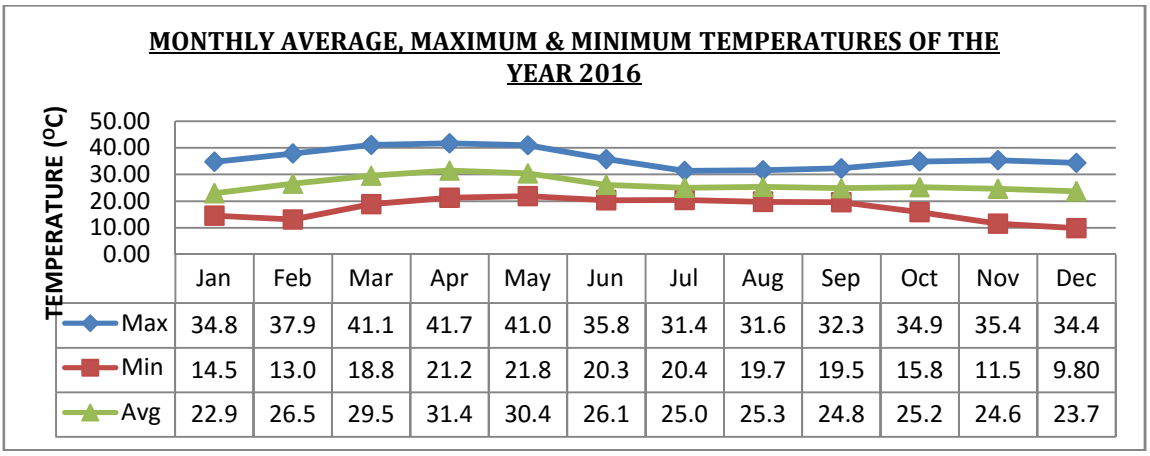
5.0 Baseline Environment

5.1 Temperature

On perusal of last January 2016 to December 2016 temperature data reveals that the maximum temperature is 41.70°C and the minimum is 9.80°C. The Summary Max, Min and Average Temperatures for the study period are given in **Table 1.1** The January 2016 to December 2016 Min, Max and average temperatures are graphically shown in **Fig 1A**

Table 1.1: Monthly Average, Maximum & Minimum Temperatures of the Year- 2016

Temperature in °C			
Month	**Max.**	**Min.**	**Avg.**
January	34.80	14.50	22.99
February	37.90	13.00	26.57
March	41.10	18.80	29.55
April	41.70	21.20	31.49
May	41.00	21.80	30.46
June	35.80	20.30	26.16
July	31.40	20.40	25.02
August	31.60	19.70	25.37
September	32.30	19.50	24.87
October	34.90	15.80	25.29
November	35.40	11.50	24.65
December	34.40	9.80	23.72



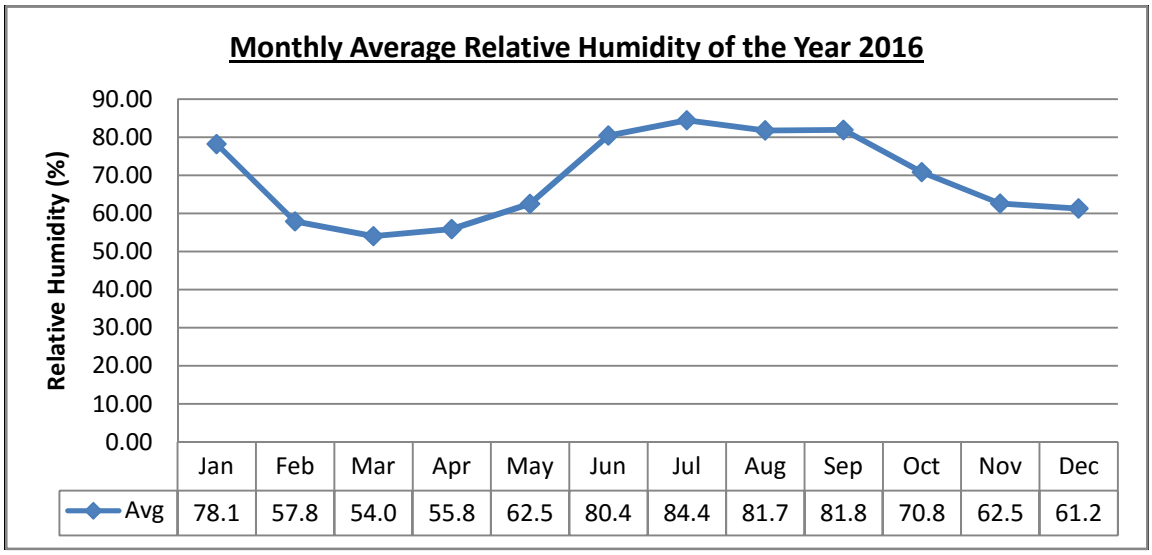
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Max	34.8	37.9	41.1	41.7	41.0	35.8	31.4	31.6	32.3	34.9	35.4	34.4
Min	14.5	13.0	18.8	21.2	21.8	20.3	20.4	19.7	19.5	15.8	11.5	9.80
Avg	22.9	26.5	29.5	31.4	30.4	26.1	25.0	25.3	24.8	25.2	24.6	23.7

Relative Humidity

For the year 2016 the lowest hourly humidity is 8.60 % and the highest hourly humidity is 99.40 %. In winter season invariably lower humidity is observed compared to other seasons. The average values of different months for the study period are given in Table 1.2 for the year 2016. The Avg. relative humidity of all months for the year 2016 are shown graphically in Fig 1-B..

Table: 1.2 Monthly Average Relative Humidity of the Year-2016

Month	Average Relative Humidity %
January	78.18
February	57.86
March	54.01
April	55.84
May	62.50
June	80.41
July	84.41
August	81.76
September	81.87
October	70.80
November	62.58
December	61.26

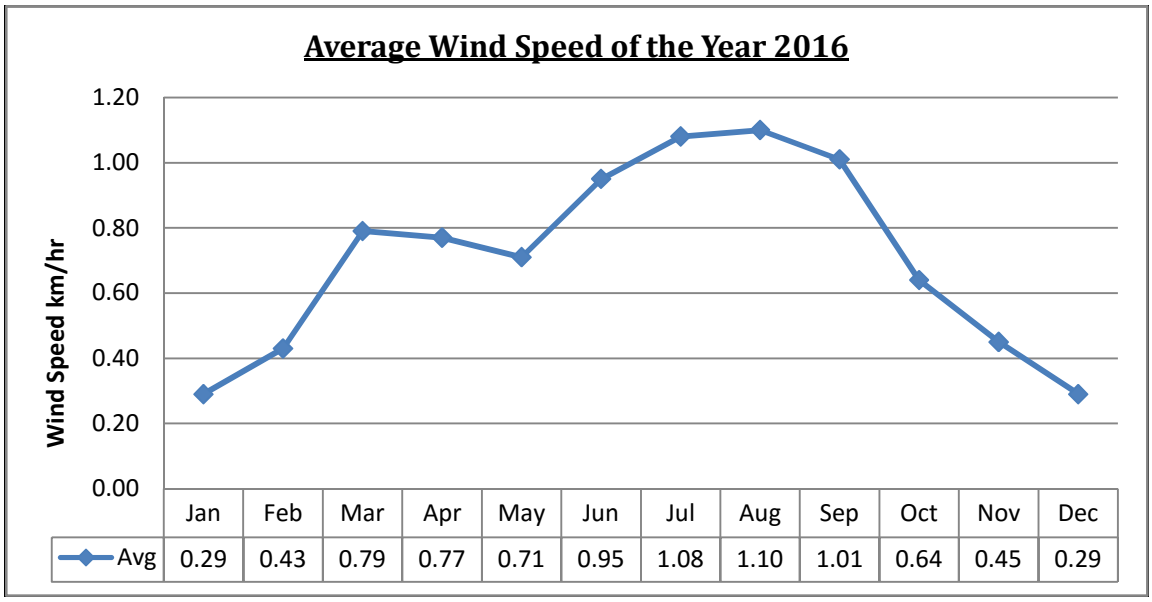


WIND SPEED

The average high speed is 1.10 km/hr during the Year-2016. The results of Study period reveal the average wind speeds are 1.10 & 0.29 km/hr to calm. The summary of the year 2016 is given below Table 1.3.

Table 1.3: Summary of Average Wind Speed of the Year-2016

Month	Average Wind Speed in Km/hr
January	0.29
February	0.43
March	0.79
April	0.77
May	0.71
June	0.95
July	1.08
August	1.10
September	1.01
October	0.64
November	0.45
December	0.29

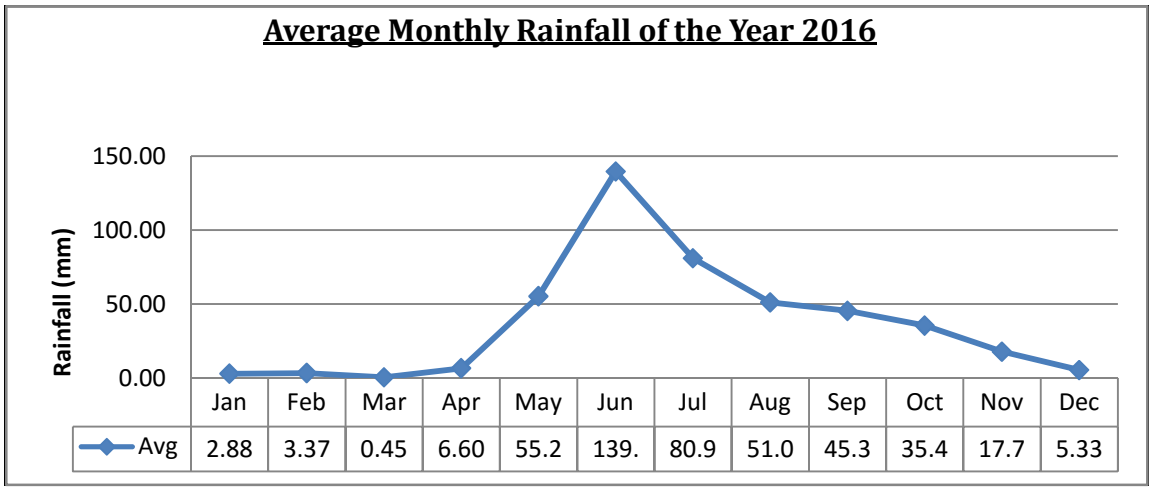


3.6 Rainfall

The rainfall data for the period of 2016 is given in **Table 1.4** and its graphical presentation of variation is shown in **Fig. 1–C.**The maximum rainfall of 139.54 is recorded in the month of June – 2016 and minimum is in the month of March.

Table 1.4 Rainfall Data of the Year- 2016

Year	Rainfall (mm)
January	2.88
February	3.37
March	0.45
April	6.60
May	55.24
June	139.54
July	80.96
August	51.08
September	45.34
October	35.40
November	17.76
December	5.33
TOTAL	**443.95**



Source: www.ksndmc.org/weather_info.aspx

5.4 Ambient Air Quality Data

The Ambient Air Quality with respect to the study zone of 5 km radius around quarry site forms the baseline information.

The scenario of the existing Ambient Air Quality in the study region has been assessed through a network of Ambient Air Quality locations. The design of monitoring network in the air quality surveillance program was based on the following considerations.

- Topography / Terrain of the study area
- Human Settlements
- Wind pattern
- Health status
- Representation of Regional Background levels
- Accessibility of monitoring site
- Resource Availability

Concentrate values have been computed from the raw data collected at all individual sampling stations to represent the Ambient Air Quality Status. The Ambient Air Quality studies were carried out at one location in project site & buffer zone data for study period.The results are given in the below table.

Sl. No	Sample Location	PM_{10}	$PM_{2.5}$	SO_2	NO_x
1	Kotehal Village	42.8	07.02	6.22	8.14
Standard (µg/m³)		**100**	**60**	**80**	**80**

AIR QUALITY MANAGEMENT:

A) SAND BLOCK

- Trees and shrubs will be grown along the permanent haul roads outside the sand block to minimize the effect of dust on the surrounding environment.

- Plantation of wide leaf trees, creepers and tall grass along approach roads, and on around hillock will help in to suppress the dust.
- All workers shall be provided with personal protective devises Eg. Dust Mask.
- Air quality shall be regularly monitored both in the core zone and buffer zone.

B) HAULAGE

- Regular water spraying on haulage roads during sand transportation by water sprinklers.
- Avoiding over filling of tippers and consequent spillage on the roads.
- Sand carrying trucks will be effectively covered by tarpaulin to avoid escape of fines to the atmosphere.

5.6 Noise Level Monitoring Data

Excessive noise levels will cause adverse effects on human beings and associated environment including domestic animals, wild life, natural ecosystem and structures. To know the ambient noise levels in the study area one location at core zone and three locations at buffer zone have been selected and the results are given in the **below table.**

Sl. No	Sample Location	Noise levels dB(A)		
		Min.	Max.	Leq
1	Core Zone Area	42.4	50.6	49.64
2	Kotehal Village	46.6	58.8	53.18

IMPACT ON NOISE ENVIRONMENT

The noise levels are dependent upon the deployment of machinery and heavy-duty vehicles in the area. Noise is produced due to movement of machinery, etc., but the pronounced effect of noise is felt only near the active working area. The main sources of noise in the quarry are classified as follows:

- Stationary Equipment
- Mobile Equipment
- Transportation

The effect of noise on audition is well recognised. The physicists, physicians & psychologists are of the view that continued exposure to noise level about 80 to 100 dB is unsafe and it can cause temporary or permanent deafness.

Noise pollution damages the nervous system of animal. Animal looses the control of its mind and become dangerous. All the plants are similar to human being and they are also sensitive as man.

NOISE POLLUTION CONTROL

As there are no villages within 1.0 km range, noise level will be insignificant as the operations are of intermittent nature. Although the ambient noise level monitoring carried out in and around the proposed plant shows that ambient noise levels are well within the stipulated limits of CPCB.

Periodic inspection and checks of the risk prone areas and equipment shall be conducted towards noise control.

- Provisions of rotation of workers to minimize exposure time as well as provision of earmuffs to workers exposed to high noise areas are also envisaged.
- Regular monitoring of noise pressure level shall be carriedout.
- The equipments and machines should be maintained properly. Particular attention should be given to the silencers and mufflers. Ear muffs or other protective devices should be provided to the staff working in high noise prone areas.
- The rotating equipment shall be selected for lower operating speeds and will be statically and dynamically balanced. The equipment shall be provided with silencers wherever required, and shall be designed to operate with a total noise level of not exceeding to 85db (A) at 1m distance as per stipulations of Occupational Safety and Health Administration (OSHA) Standards.

5.7 Ground Water Quality Data

WATER RESOURCES

There are seasonal water courses in the buffer zone area. During rains water from the core zone area will join in to the seasonal water courses. Ultimately joins in to the Pond located at a distance of 2.0kms in South-East direction.

The overall daily requirement of water for this mining project is estimated as under

Drinking and domestic	-	2 m^3/day
Dust suppression	-	21 m^3/day
Total	**-**	**23 m^3/day**

WATER QUALITY

Water samples were collected from the bore wells for analysis. The results are given in the below table. Heavy metal concentrations in all the samples were found to be well within the limits. Two water samples are collected from the Tungabhadra River.

Sl.No	Parameters	Unit	Surface Water Upstream	Surface Water Downstream
1	pH	-	6.856	6.482
2	Temperature	°c	28.2	27.6
3	Conductivity	µmhos/cm	190	210
4	Turbidity	in NTU	3.6	3.8
5	T. Dissolved Solids	mg/l	120	130
6	T. Alkalinity as $CaCo_3$	mg/l	44.0	48.4
7	T. Hardness as $CaCo_3$	mg/l	64.2	70.0
8	Calcium as Ca	mg/l	15.4	16.0
9	Magnesium as Mg	mg/l	6.26	7.31
10	Iron as Fe	mg/l	0.32	0.28
11	Sodium as Na	mg/l	15.84	16.22
12	Potassium as K	mg/l	4.12	4.86
13	Chlorides as Cl,	mg/l	20.08	18.55
14	Sulphates as SO_4	mg/l	2.49	3.02
15	Nitrates as NO_3	mg/l	2.22	2.64
16	Fluorides as F	mg/l	0.12	0.22
17	Dissolved Oxygen	mg/l	6.9	7.0
18	BioChemical Oxygen Demand (3 Days at 27°C)	mg/l	BDL	BDL
19	Chemical Oxygen Demand	mg/l	BDL	BDL

No ground water is going to encounter during the quarrying and there shall not be any discharge of water from quarrying to the adjacent area. Hence there shall not be any impact on water quality.

5.9 OCCUPATIONAL HEALTH & SAFETY MEASURE

All the above precautions would be adopted to prevent dust generation at site and to be dispersed in the outside environment. However, for the safety of workers at site, engaged at strategic locations/dust generation points like loading and unloading points, dust masks would be provided. Dust masks would prevent inhalation of RPM thereby reducing the risk of lung diseases and other respiratory diseases. All employees shall be medically examined as per the mines Act 1952 and shall undergo Spirometry, Pulseoxymetry, and lungs function test etc.

The statutory norms shall be followed during the course of quarrying to ensure the proper health and safety of workers. Apart from this there is no other factor envisaged during the quarrying operations.

The health status of workers in the mine shall be regularly monitored under an occupational surveillance programme. Under this programme, all the employees' shall be subjected to a detailed medical examination at the time of employment. The medical histories of all the employees shall be maintained in a standard format. Thereafter, the employees shall undergo medical examination on annual bases. The examinations are proposed to be conducted in specialized area are given in the table below.

Sl.No.	Disease	Tests to be conducted
1	Heart Disease	Electro Cardio Gram (ECG) blood for lipid profile, stress test, 2d Echo and other tests as required.
2	Lung Disease	Total count (WBC) Differential count, sputum examination, x-ray chest, culture & sensitivity (COS)
3	Lung Function Test	As per DGMS regulations
4	Test for Silicosis	As per DGMS regulations
5	Asthma	Differential count ESR, x-ray chest, and sputum examination provoke test if required.
6	Diabetes	Random blood sugar, urine sugar if positive BSL fasting/PP diabetic profile.
7	Hypertension	BP reading, if required renal profile + ECG and stress test.
8	Abdomen pain.	Routine urine for albumin, sugar bile salts + bile pigments stool examination, USGG Baomeal liver function test (serum, biliribicetc) as per requirement.

The tests conducted and the results will be recorded in the database of medical history of the employees. These medical histories over a period will show if there is any occupation related deterioration in the employee's health.

6.0 LAND ENVIRONMENT

6.1 CORE ZONE

The core zone completely falls in Govt. Revenue land. The core zone is partly disturbed to a very small extent due to mining, transport roads. The ultimate land use plan is given in the earlier chapters.

6.2 RECLAMATION OF LAND

The mined out quarry pit shall be converted into rain water pond.

6.3 PROPOSED MITIGATIVE MEASURE.

- The Green belt development around the river bank and near to the sand block and haulage roads shall be taken up simultaneously as this helps in afforestation but also prevent erosion and consequent silting of local water streams.

6.4 PLANTATION PROGRAMME

About 4.4 Acre area earmarked for safety barrier. Afforestation shall be done outside the lease area along the haulage road by planting about 100 saplings. Apart from this the entire stretch of river bank over the length of 1100m shall be planted with 400 saplings of the suitable indigenous plants species like Bellary Jaali, Honge and Hippe etc.,

FLORA AND FAUNA IN CORE ZONE

The core zone is broken and does not support vegetation. There are no endangered and endemic plant species. There are no reports of wild animals.

6.6 HUMAN SETTLEMENTS

There is no human settlement in the core zone.

6.7 SOCIO-ECONOMIC BENEFITS

Spurt in industrialization and sand mining activities have invariably brought a drastic change in the environment including the society connected with region. Mostly remote areas tucked away from urbanization and influence of modern civilization fall within the limits of mine development. A natural corollary to this the socio economic aspects of the local inhabitants who have dwelling this region for generations, get suddenly and probably a radical change, consequent to their abrupt exposure to the mining activities.

The impact of this mining project will be positive. The subject-sand mining project provides employment for about 45 persons and also creates in the service sector for an equivalent number of persons will be indirectly employed in the other allied activities. Thus a population of about 150 persons can sustain their lively hood on this project. Majority of the work force shall be local people coming from and within the district.

The local people will get employment opportunities, better medical and educational facilities etc., mainly due to the quarrying operation from this project. In addition to this the literacy rate and better living standards shall increase due to the enhanced earning capacity of villagers. This area will also have better Medical, Educational, Transportation and communication facilities, which are also directly, linked with the establishment of the mining project.

In the buffer zone villages, this project will be one of the major economic activities resulting in generation of revenues to the state and central governments, by way of Royalties, Taxes, DMF, Central Excise etc., and the living condition of the persons shall improve, thus contributing to the overall up gradation of living standards. There would tremendous earning of foreign exchange due to export of value added products instead of raw material alone from this region.

The socio-economic parameters of the area undergo change due to:

- Changes in the employment pattern of the area.
- Changes in the pattern of facilities available, both in respect of the infrastructure facilities as well as other services.
- Improvements in money supply in the area through better earning capacity of population.

It proposes to taken up the following CSR activities listed below:

- Assistance to Educational institutions located in the Taluk by way of providing "Teaching aids, Books & Periodicals".
- Scholarships for the best outstanding students.
- Providing solar lights to villages and schools, as there is scarcity of electricity.
- And any other requirements of the people in the surrounding area found to be essential when communicating with them.

IMPLEMENTATION OF EMP & MONITORING PROGRAMME:

The environment management plan is detailed on the basis of impact assessment. Control and mitigation measures for the adverse impacts envisaged. As the major environmental attributes have been confined to the project area alone, implementations of the proposed control measures and monitoring thereof will be undertaken on the regional basis. The Lessee will ensure the implementation of the measures within the plant area and carryout efficient monitoring.

In order to implement the measures suggested for mitigating the adverse impacts on the environment, it is suggested to monitor the environmental parameters regularly.

6.10.1 ENVIRONMENTAL MANAGEMENT CELL

The Quarry manager will be the incharge for enrichment of works along with the labours for supervision and preventive maintenance.

Following shall be the proposed environmental organization chart for this mine. Mines Manager shall be in charge of the cell.

6.11 BUDGET PROVISION FOREMP

It is necessary to include the environmental cost as a part of the budgetary cost component.

The Lessee for execution of Environment Management Plan has made adequate budgetary provision. Annual cost of monitoring and implementation of control measures is given below:

Environment Management Schedule

YEAR	2017-18	2018-19	2019-20	2020-21	2021-22
Safety zone / Greenbelt					
Environmental Monitoring					
Water spraying on haul roads					

Recurring Annual Cost for Environmental Protection

Sl. No.	Particulars	No.	Cost (Lakh Rs.)
I	**Pollution Control**		
1.1	Water spraying		2.40
1.2	Safety / Green belt development	Local bushes	0.50
1.3	Personal protective equipment	20	0.30
2	CSR		1.50
	Total		**4.70**

6.12 CONCLUSION

This new project will meet the development needs of the state without causing any negative influence on the environment. It can be summarized that the development of Sand Block of **Sri B.J. Sunilkumar,** as a positive impact on the socio-economics of the area and lead to overall sustainable development of the region.

B.J.SUNILKUMAR

M/S. GLOBAL MANPOWER AGENCY
Near Natam College
LIC Colony
Davangere-577004
Mobile No. +91 9449643555

To,

Date: 02.11.2017.

Member Secretary
SEIAA SEAC
Department of Environment & Ecology
Karnataka Government Secretariat
Room No. 710, 7th Floor, 4th Gate
M.S. Buildings
BANGALORE

Dear Sir,

Sub: Submission of Required additional documents for obtaining Environmental Clearance for "Kotehal Sand Block" (Block No:– 04) over an extent of 15.00 Acres in Tungabhadra River Bed, Opp to Sy No. 15, 16, 17, 18, 19, 20, 21, 22 ,23, 24 & 25 of Kotehal Village, Honnali Taluk, Davangere District Karnataka.

Ref : SEIAA Proceedings of 184th SEAC meeting. (SEIAA 40 MIN 2017)

This is with reference to the above subject and **Proceedings of 184th SEAC meeting.**

We are herewith submitting the following documents as per the proceedings for obtaining the environmental clearance for "Kotehal Sand Block" (Block No:– 04) over an extent of 15.00 Acres in Tungabhadra River Bed, Opp to Sy No. 15, 16, 17, 18, 19, 20, 21, 22 ,23, 24 & 25 of Kotehal Village, Honnali Taluk, Davangere District Karnataka.

- Approved Quarrying Plan
- Copy of the presentation giving para wise details to the raised quarries by the SEIAA committee.

we request your goodself to kindly process the documents and oblige..

Thanking you Sir,

Yours faithfully,

B.J.Sunil Kumar
Owner

(Books)
02/11/17
12-15

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರ ಕಾರ್ಯಾಲಯ ಗಣಿ ಮತ್ತು ಭೂವಿಜ್ಞಾನ ಇಲಾಖೆ, ದಾವಣಗೆರೆ

Office of the Senior Geologist, Dept of Mines and Geology, Davanagere – 577005
#1948/1, In front of Anjaneya Temple, Vidyanagar, Davanagere Tel:08192 -231492, E mail Id- sgdavdmg123@gmail.com

No:DMG/SG/DAVANAGERE/SQL-01/16-17/ 2838 Date:02/11/2017

To,
B.J.Sunilkumar,
Globel man power Ajence,
Nuthan collage near,LIC Colony,
Davanagere.
Sir,

Sub : Approval of Revised Quarry plan for applied area over an extent of 15-00 acres of Kotehal village, Sy.No: 15,16,17 to 25, in Honnali Taluk, Davanagere Dist., - reg.

Ref: 1.Your letter dated :28/10/2017.
2.SEAC meeting held on 12 & 13 th October,2017

****

As per your request letter ref number (1) and proceedings of the SEAC meeting held on 12 & 13 th October,2017 ref number (2), I hereby approved the above said Quarry plan. This approval is subject to the following conditions.

1.That the Revised Quarry plan approval without prejudice to any other laws applicable to the Quarry are time to time whether made for the state Government or any other government authority.

2.That this approval of the Revised Quarry plan does not imply the approval of the government and any other provisions of the Karnataka Minor Mineral concession rules 1994.

3.That the Revised Quarry plans approved without prejudice to any other order or directions from any court of competent Jurisdiction.

4.Copy of the Environment clearance report duly approved by the State Level Environment Impact Assessment Authority, Bangaluru should be submitted within a period of one month from the date of approval along with the copy of the approval letter.

5.The provisions of the KMMCR 1994 made there under including submission of notice of opening appointment of Manager and other statutory officials as required under KMMCR 1994.

6.If anything is found to the concealed as required by the KMMCR rules in the contents of the quarry plan and the proposal for rectification has not been made, the approval of quarry plan shall be deemed to have been withdrawn with immediate effect.

Senior Geologist
Davanagere

QUARRYING PLAN

INCLUDING PROGRESSIVE QUARRY CLOSURE PLAN

Under rule 18(3), KMMC RULE 1994

8C, 8F & 8H(1) of KMMC (Amendment) Rule-2013" &

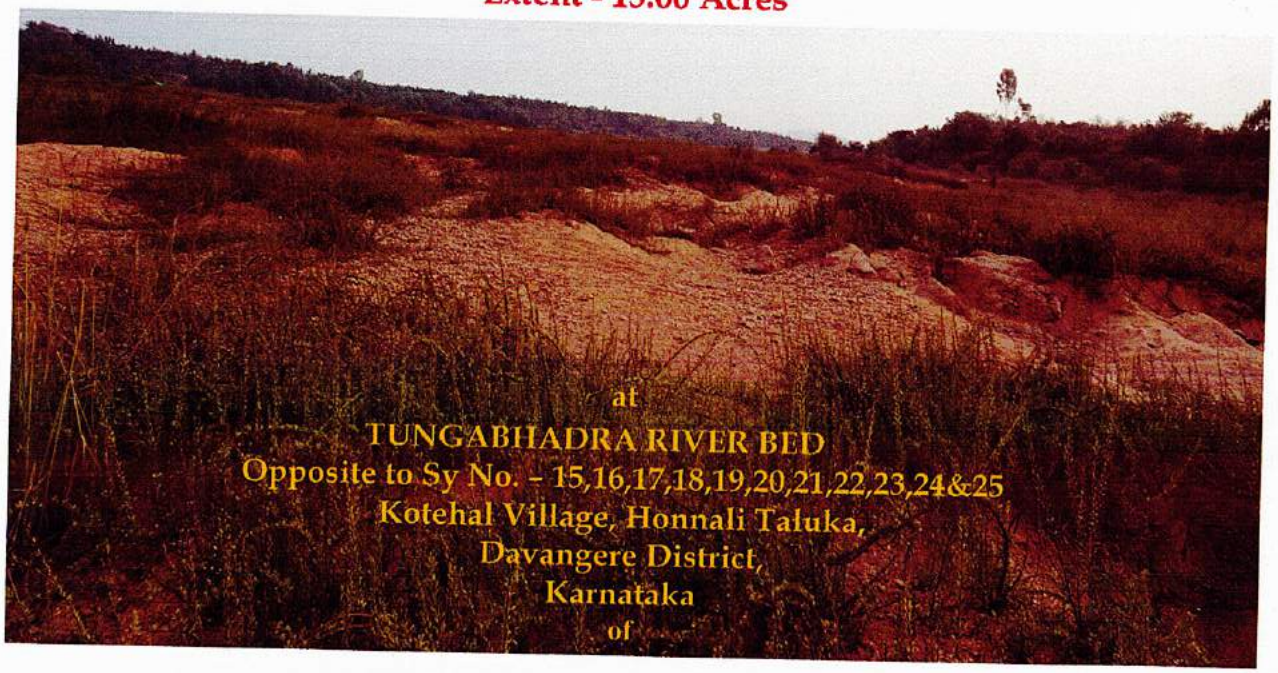
"Karnataka Minor Mineral Concession (Amendment) Rule-2016"

of

KOTEHAL SAND BLOCK

(Block No. – 04)

Extent - 15.00 Acres



B.J.SUNIL KUMAR

M/s. GLOBAL MANPOWER AGENCY

Near Natam College, LIC Colony,
Davangere-577004

Q4 S. Block

Government Land

Method of Quarrying - Manual

17/4/17 *Period: 2017-18 to 2021-22*

Prepared By

GLOBAL Environment & Mining Services
(Consulting Engineers, Mine Designers, Geologists & Surveyors)

3rd Main Road, Basaveswara Badavane
HOSPET – 583201, Bellary Dist. (Karnataka)
Tel/Fax : +918394 651111/229433
e-mail : gems_hpt@yahoo.com
Website : www.globalmining.in

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರ ಕಾರ್ಯಾಲಯ ಗಣಿ ಮತ್ತು ಭೂವಿಜ್ಞಾನ ಇಲಾಖೆ, ದಾವಣಗೆರೆ

Office of the Senior Geologist, Dept of Mines and Geology, Davanagere – 577005

#1948/1, In front of Anjaneya Temple, Vidyanagar, Davanagere Tel:08192 -231492, E mail Id- sgdavdmg123@gmail.com

No:DMG/SG/DAVANAGERE/SBQP-01/17-18/343 Date:17/04/2017.

To,

B.J. Sunil Kumar
Pro:M/s Global Manpower Agency
Near Nuthan Collage,
L.I.C. Colony,
Davangere-04.1

Sir,

Sub : Approval of Sand block mining plan for applied area over an extent of **15.00** acres in Block No.04 in Sy.No.15,16,17–25 of **Kotehal** village, Honnali Taluk, Davangere Dist.,

Ref: 1) Director, Dept., of Mines & Geology, Bangalore letter No:ಗಭೂಇ/ಕಗಗು/ಉ.ನಿ.(ಖಲೆ)2012–13/3812, ದಿನಾಂಕ:18/06/2012.
2) Under KMMCR 1994 Rule 8(c)
3) your letter dated 17-04-2017

****

In exercise of the powers conferred read with reference letter (1) & (2) of the Director, Dept., of Mines and Geology, Bangalore. I hereby approved the above said Sand Mining plan. This approval is subject to the following conditions.

1) That the Sand Block Mining plan approval without prejudice to any other laws applicable to the Sand Mining time to time whether made for the state Government or any other government authority.
2) That this approval of the Sand Block Mining plan does not imply the approval of the government and any other provisions of the Karnataka Minor Mineral concession rules 1994 and subsequent to the rules amended.
3) That the Sand Block Mining plan approved without prejudice to any other order or directions from any court of competent Jurisdiction.

4) Copy of the Environment clearance report duly approved by the **State Level Environment Impact Assessment Authority, Bangalore** should be submitted within a period of one month from the date of approval along with the copy of the approval letter.

5) The provisions of the KMMCR 1994 made there under including submission of notice of opening appointment of Manager and other statutory officials as required under KMMCR 1994 and subsequent amendments.

6) If anything is found to the concealed as required by the KMMCR rules in the contents of the sand block mining plan and the proposal for rectification has not been made, the approval of sand block mining plan shall be deemed to have been withdrawn with immediate effect.

7) If the quarrying operations are not carried out in accordance with the quarrying plan/simplified quarrying plan as referred to under sub-rule (1), Senior Geologist may pass on order for suspension of all or any of the quarrying operation and permit continuance of only such operations as may be necessary to restore the conditions in the quarry as envisaged under the said river sand block quarrying plan/simplified river sand block quarrying plan.

Senior Geologist
Davanagere

Enclosed : 03 copies of approved Sand block mining plan contains 43 pages of text, 3 Annexure & 9 Plates.

B.J.SUNILKUMAR
M/S. GLOBAL MANPOWER AGENCY
Near Natam College
LIC Colony
Davangere-577004
Mobile No. 9449643555

CERTIFICATE

01. The Quarrying Plan in respect of "Kotehal Sand Block" (Block No:– 04) over an extent of 15.00 Acres in Tungabhadra River Bed, Opp to Sy No. 15, 16, 17, 18, 19, 20, 21, 22 ,23, 24 & 25 of Kotehal Village, Honnali Taluk, Davangere District Karnataka, has been prepared by M/s. GLOBAL Environment & Mining Services.

This is to request the Sr. Geologist, Dept of Mines & Geology, Govt of Karnataka, Davangere to make any further correspondence regarding any correction of the Quarry Plan with the said recognized person at his address below :-

M/s. GLOBAL Environment & Mining Services,
3rd Main Road, Basaveswara Badavane,
HOSPET – 583201,
Dist., Bellary (Karnataka).

We hereby undertake that all modifications / updating as made in the said Quarrying Plan by the said recognized person be deemed to have been made with our knowledge and consent and shall be acceptable on us and binding in all respects.

02. It is certified that the Progressive Quarry Closure Plan of "Kotehal Sand Block" (Block No:- 04) over an extent of 15.00 Acres complies with all statutory rules, Regulations, Orders Made by the Central or State Government, Statutory organization, Court etc which have been taken into consideration and wherever any specific permission is required the lessee will approach the concerned authorities.

The information furnished in the **Progressive Quarry Closure Plan** is true and correct to the best of our knowledge and records.

03. "The provisions of **Quarry Act, Rules and Regulations** made there under have been observed in the Quarrying Plan of "Kotehal Sand Block" (Block No:- 04) over an area of 15.00 Acres in Tungabhadra River Bed, Opp to Sy No. 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 & 25 of Kotehal Village, Honnali Taluk, Davangere District Karnataka, and where specific permissions are required, the Lessee will approach the **D.G.M.S.** Further, standards prescribed by **D.G.M.S.** in respect of **miners' health** will be strictly implemented".

Date : 12.04.2017
Place : Davangere

B.J.Sunil Kumar

GLOBAL ENVIRONMENT & MINING SERVICES
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane,
HOSPET – 583201, Dist., Bellary (Karnataka)
Ph : +91 8394 229433, 651111
e-mail : gems_hpt@yahoo.com
Website : globalmining.in

CERTIFICATE

The provisions of the Mineral Conservation and Development Rules 1988 have been observed in the preparation of the Quarrying Plan of "Kotehal Sand Block" (Block No:- 04) of B.J.Sunil Kumar over an extent of 15.00 Acres in Tungabhadra River Bed, Opp to Sy No. 15, 16, 17, 18, 19, 20, 21, 22, 23, 24 & 25 of Kotehal Village, Honnali Taluk, Davangere District Karnataka, and whenever specific permissions are required, the applicant will approach the concerned authorities of Dept of Mines & Geology, Govt of Karnataka, Davangere.

The information furnished in the Modified Quarrying Plan is true and correct to the best of our knowledge.

Date : 12.04.2017
Place: Davangere

GLOBAL Environment & Mining Services
RQP / BNG / 242 / 2007 / B

Dr. D N Gulhane
Key person

S.Kameswara Rao
Authorised Signatory

Senior Geologist
Dept. of Mines & Geology
DAVANGERE

CONTENTS

LIST OF ANNEXURES

Sl. No	DESCRIPTION	Annexure
1	Notification	1
2	Identity proof of the applicant	2
3	Environmental Monitoring Data	3

LIST OF PLATES

Sl. No	DESCRIPTION	Plate No.	Scale
1	Key Plan	1	1:50,000
2	Lease sketch	2	1"=660'
3	Google Map	3	NTS
4	Surface Geological Plan	4	1:2000
5	Geological Cross Section	5	1:1000
6	Production & Development Plan	6	1:2000
7	Production & Development Sections	7	1:1000
8	Environment Management Plan	8	1:5000
9	Progressive Quarry Closure Plan	9	1:2000

QUARRYING PLAN OF
"KOTEHAL SAND BLOCK" (BLOCK No.04)
AT TUNGABHADRA RIVER BED,
Kotehal Village, Honnali Taluk, Davangere Dist, Karnataka

INTRODUCTION:

Sand is most commonly used as construction material in civil works all over the country. The river beds are the prime locations of this mechanically deposited sand. The abundance of sand, its growing demand and regular deposition during rainy season has prompted the entrepreneur to apply for the sand quarrying in the Bhagewadi Sand Block area.

B.J. Sunilkumar, Proprietor, M/s. Global Manpower Agency, Near Nutan College, LIC Colony, Davangere - 577004 Karnataka had made an application on Kotehal Sand Block, over an extent of 15.0 Acres at Tungabhadra River Bed, opposite to Survey No. 15,16,17-25 at Kotehal Village, Honnali Taluk, Davangere Dist, Karnataka, for the quarrying of sand. The Letter of Intent in this regards is enclosed as **Annexure-I.** The location of the quarry is shown on the Key Plan enclosed vide **Plate No - 1.** The lease map of proposed sand block is enclosed vide **Plate No. - 2.**

Now as a statutory requirement a Quarrying Plan (including Progressive Quarry Closure Plan) showing position of systematic excavation of sand for the period of five years and to address the mining related issues, required to be prepared and submitted to Sr. Geologist, Dept. of Mines & Geology, Davangere for approval. Hence a quarrying plan is prepared for the period five Year for the maximum production of 22930 tonnes per year. The proposed Quarrying Plan is being prepared under Rule 18(3) of "Karnataka Minor Mineral Concession Rules-1994 and under Rule 8C, 8F & 8H (1) of Karnataka Minor Mineral Concession (Amendment) Rules-2013 and KMMC (Amendment) Rules, 2016. During this period the sand quarrying shall be restricted to 1.0m depth from surface or water level whichever is less.

The quarry plan is prepared as per the norms given in the Notification No. CI 357 MMN 2012, Bangalore dated 16.12.2013 and Notification No. CI 418 MMN 2015 (Part), Dated: 12.08.2016, by Commerce & Industries Secretariat, Govt. of Karnataka. As per the norms 1). No sand mining is proposed within the 250m radius from the village boundary or as per the decided by the local committee, 2). Un-mined sand block of 50m length is maintained after every block of 1000m length mining block, 3). In case of bridge no mining is proposed for the distance of minimum 250m or five times the length of bridge, whichever is more towards upstream and no mining is proposed for the distance of 500m or 10 times the length of bridge, whichever is more on downstream. 4).The quarrying of sand shall be restricted to three meters depth from surface or water level whichever is less. 5). The sand mining is restricted to the middle $3/4^{th}$ width of the river bed at the centre by leaving $1/8^{th}$ margin of the river width from the river bank all along the river length. 6). Use of backhoe equipment like JCB and screening in river bed sand quarrying shall be in accordance with guidelines issued by the Ministry of Environment, Forest and Climate Change. Government of India (MoEF) from time to time. 7). Suitable indigenous plant species like Bellary jaaly are proposed to be planted on specified stretch of the river banks to prevent river ingression and also to maintain river ingression. 8).The proposed access ramp are proposed to be removed after mining to restore the river bank.

The identified sand block is located in the Tungabhadra river bed at a distance of 1.0 km East of Kotehal Village. This Kotehal village is located at a distance of 4.0km from Chilurkadadakatte cross on Harihara - Shimoga Highway. From Harihara the distance of the Chilurkadadakatte cross is 42.0 km via Honnali. The distance of the quarry from Harihar talku head quarter is 47 km.

The sand mining is proposed to be operated by manual method of Quarrying. If required the screening in river bed sand quarrying shall be taken up in accordance with guidelines issued by the MoEF, Forest and Climate Change, Government of India from time to time. The sand /screened sand shall be loaded in to tipper manually or by the backhoe equipment like JCB. The sand shall be transported outside the lease area by tippers for stocking at stock yard or shall be transported to the consumer directly.

A VIEW OF KOTEHAL SAND BLOCK - 04

1.0 GENERAL

a) **Name & address of lessee**

B.J. SUNILKUMAR
Proprietor
M/s. Global Manpower Agency
Near Nutan College, LIC Colony
Davangere District - 577004
Karnataka,
Ph No. : +91 9449643555

b) **Registered Office** :

B.J. SUNILKUMAR
Proprietor
M/s. Global Manpower Agency
Near Nutan College, LIC Colony
Davangere District - 577004
Karnataka,
Ph No. : +91 9449643555

Status of lessee

Private Individual	:	No
Cooperative Association	:	No
Private Company	:	No
Public Company	:	No
Public Sector Undertaking	:	No
Joint Sector Undertaking	:	No
Other (Partnership Company)	:	yes

c) **Mineral/s which are occurring in the area and which the lessee intends to mine** : Sand

d) **Period for which the mining lease is granted/ renewed/ proposed to be applied:**

For five years

e) **Name & address of RQP Preparing Mining Plan**

Dr. D.N.Gulhane Key person	**S. Kameswara Rao** Authorised signatory
Reg. No. :RQP/BNG/242/2007/B RQP Validity up to 4th March, 2017 **GLOBAL Environment & Mining Services** 3rd Main Road, Basaveswara Badawane **Hospet-583201**, District: Bellary, Karnataka e-mail : gems_hpt@yahoo.com Web site : www.globalmining.in Tel. No. : +91-8394-651111/229433 Mobile : +91-9449830533 / +91-9448479433	

f) **Name of Prospecting Agency B.J. SUNILKUMAR**

g) **Reference No. and date of consent letter from the State Government G.O. No.**
Commerce & Industries Secretariat Notification No CI 418 MMN 2015 (Part), Bangalore dated 12.08.2016.

2.0 LOCATION & ACCESSIBILITY :

LOCATION:

The Sand block over an extent of 15 acres is located in Tungabhadra river bed opposite to Survey No. 15,16,17-25 in Kotehal Village, Honnali Taluk, Davangere District, Karnataka.

ACCESSIBILITY:

The identified sand block is located in the Tungabhadra river bed at a distance of 1.0 km East of Kotehal Village. This Kotehal village is located at a distance of 4.0km from Chilurkadadakatte cross on Harihara - Shimoga Highway. From Harihara the distance of the Chilurkadadakatte cross is 42.0 km via Honnali. The distance of the quarry from Harihar talku head quarter is 47 km.

The location of the Sand Block is shown on the Key Plan Map is enclosed Vide **Plate No -1**. The nearest railway station Harihara is located at 47km from this sand deposit, whereas the nearest operational airport is Mangalore at a distance of 310 kms.

a)	**Details of area (with location map)**	:	The lease is marked on Key plan enclosed vide **Plate No.1A.**
i)	District and State	:	Davangere, Karnataka
ii)	Taluk / Mandal	:	Honnali
iii)	Village	:	Kotehal
iv)	Khasara No. / Plot No. / Block / Gat No etc	:	Opposite to Survey No. 15,16,17-25
v)	Lease Area (Hectares)	:	15 Acres
vi)	Whether the area is recorded to be in forest (please specify whether protected, reserved etc.,)	:	No
vii)	Ownership / Occupancy	:	Government
viii)	Existence of public road/railway line, if any, nearby and approximate distance of the Nearest Port / Airport	:	The nearest railhead is Harihara located at 47km from the sand block. Nearest airport – Mangalore (310km)

	Topo sheet No.		Map Sheet Index 48N/12
ix)	1		N 14^0 08' 03.7" & E 75^0 42' 52.2"
	2		N 14^0 07' 50.2" & E 75^0 42' 48.4"
	3		N 14^0 07' 40.5" & E 75^0 42' 44.2"
	4		N 14^0 07' 36.4" & E 75^0 42' 38.8"
	5		N 14^0 07' 33.5" & E 75^0 42' 32.3"
	6		N 14^0 07' 35.1" & E 75^0 42' 31.6"
	7		N 14^0 07' 38.0" & E 75^0 42' 38.0"
	8		N 14^0 07' 41.7" & E 75^0 42' 43.0"
	9		N 14^0 07' 50.6" & E 75^0 42' 46.8"
	10		N 14^0 08' 04.2" & E 75^0 42' 50.5"

x) Land Use Pattern (Forest, Agricultural, Grazing, Barren etc.,) :

The entire sand block is falls in Tungabhadra river bed. The details of the land is given in the Table No 2.2

Table No. 2.2: The details of the land applied for mining

Particulars	Extent	Ownership
River Bed	15 Acres	Government

Attach general location and vicinity map showing area boundaries and existing and proposed access roads. It is preferred that the area be marked on a Survey of India Topographical map or as the case may be. However if none of these are available the area should be shown on accurate sketch map on a scale of 1: 5000.

Key Plan is prepared and enclosed vide **Plate No. 1.**

3.0 GEOLOGY & RESERVES :

a) Briefly describe the topography and general geology and local/mine geology of the mineral deposit include drainage pattern.

(1) Topography of the area:

This Sand Block area is a plain area. The highest elevation in this area is 552mRL and the lowest elevation is 551.5mRL in the Sand. The temperature varies from a minimum of 8.40^{0}C during winter and maximum of 45^{0}C during the summer. The average rainfall is about 443.95mm per annum.

(2) Regional Geology :

The word "sand" is used to mean the fine, somewhat gritty and stuff material. Weathered rocks account for most of the sand on Earth. The sand is a weathered product of the different rock types came across during the flow of the river.

Sands can be divided according to their compositions into two major groups. One is the carbonate sands made of particles of $CaCO_3$. The other is commonly called the "siliciclastic sands", refers to a chemical composition rich in silicate material and to the origin of the grains as fragments of silicate rocks.

Siliciclastic sands are defined as sands consisting of grains that originated as fragments of silicate rocks. They thus typically consist of silicate minerals, such as quartz, feldspars and micas such as muscovite and biotite. Other dark-colored to black Mg- and Fe-bearing silicates (mafic silicates) like hornblende, pyroxene, and even olivine can be present. Silicates such as zircon ($ZrSiO_4$) and titanite or sphene ($CaTiOSiO_4$) are commonly present, but usually in minor amounts.

The sand in this area is derived due to weathering and erosion of the basaltic rock. The sand is coarse and black in colour.

The geology of sand in this area corresponds to the regional geology of recent age. The sand get deposited on the river bed due to drop in velocity of river flow. The regional stratigraphic sequence in the region is given in the Table No 3.1

Table 3.1: Regional Geology

Regional General Geology of Karnataka

Eon/Era/Epoch	Suite / Assemblage Supergroup	Group/Formation and other lower ranks	Lithology
Recent			Alluvium / soil / Sand
Quaternary			Undifferentiated fluvial/coastal sediments; transported red soil/ alluvium
Neogene			Laterite
Mio-Pliocene		Warkhali Beds	Sandstone, clay, marl and limestone.
Late Cretaceous To aleogene 67-65 ma		Deccan Trap	Continental flood sand of tholeiitic chemistry; intertrappean beds of chert & marl
Neo Proterozoic 900-540 ma		Bhima Group	Predominantly Mg poor carbonate sequence with shale; sandstone and conglomerate at the base
Neo roterozoic ≈800 ma		Chamundi granite	K-rich porphyritic to homophanous granite
Meso-Neo Proterozoic 1600-1000 ma	Kaladgi Supergroup	Badami Group Bagalkot Group	Horizontally bedded multistorey sequence of arenite; shale and limestone in lesser amounts Two mega cycles of repeated sequence of argillite followed by chemogenic precipitates predominantly of sandstone and dolomite; quartzites and conglomerates forming the base
Palaeo-Proterozoic 2530-2450 ma	Closepet Granite		Alkali granite, monzogranite/adamellite to granodiorite
Late Archaean to Late Archaean 2900-2600 ma	Dharwar Supergroup	Ranebennur Subgroup	Greywacke/BIF/ polymict conglomerate/ volcanics (Mardihalli, Bellara, Medur)
		Chitradurga	Polymict conglomerate, cross

		Group - 2700-2600 ma	bedded quartzite, pelite, stromatolitic carbonates, biogenic chert, BIF & manganese formations (Ingaldhal volcanics-thoeliitic sand-rhyolite suite (Tekkalvatti, Jagar)
		Bababudan Group 2900-2800 ma	BIF & carbonaceous phyllite, sand-dacite suite (locally pillowed) with minor ultramafics/ alternations of amygdular sands/cross bedded quartzites, pelite/minor BIF/basal quartz pebble conglomerate
ARCHEANS			

(3) Local Geology:

Geologically the sand in this area which is deposited by Tungabhadra river is derived from the weathering of Granitic rock. The Granitic rock broken in to the pieces due to weathering and also worn during erosion due to colliding on each other. The colour of the sand is white/ cream and it is coarse grained. A Surface geological plan is prepared showing the sands and enclosed vides **Plate No. 3.** The geological cross section for quarry area is given in the Table No 3.2

Table 3.2 : Local Geology

Lithology	Depth in (m)
Sand	3.0m to 4.0m
Sandy, Granitic pebbles and rock	2.0m to 4.0m

b) The topographic plan of the lease area prepared on a scale of 1:1000 or 1:2000 with contour interval of 3 to 10 m. depending upon the topography of the area should be taken as the base plan for preparation of geological plan. The details of exploration already carried out including evidences of mineral existence should be shown on the geological plan.

The topographic plan on 1:2000 scale is prepared with contour interval of 1m by incorporating all the existing details like surface exposures, structures etc. and enclosed vide **Plate No 3.**

Exploration already carried out:

The sand is very well exposed in entire lease area.

c) Geological sections should be prepared at suitable intervals on a scale of 1:1000 / 1:2000.

The geological cross sections are prepared for every 200m interval on 1:1000 scale based on the geological plan and Geological cross sections are enclosed vide **Plate No – 4**.

d) Broadly indicate the year wise future program of exploration, taking into consideration the future production program planned in next five years as in table below:

Since the sand is very well exposed in the working pit with in lease area, no exploration is required in this area.

e) Indicate geological and recoverable reserves and grade, duly supported by standard method of estimation and calculations along with required sections (giving split up of various categories i.e., proved, probable, possible) indicate cut-off grade. Availability of resources should also be indicated for the entire leasehold.

The geological resources of sand are estimated by cross sectional method as well as area and volume method. These indicated resources of sand are estimated in the 332 category of UNFC codification. The geological cross sections are enclosed vide **Plate No 4.** For the estimation of geological resources by area and volume method, the area is measured and multiplied by the depth of 4.0m to obtain the geological resources m3 volume. The Bulk density of the sand is considered as 1.7t/m^3.

The estimated geological resources are given in Table No 3.3

Table No: 3.3: The Geological Resources.

Section No	Area (m^2)	Depth (m)	Volume (m^3)	Bulk Density t/m^3	Recovery	Resources (Tonnes)	UNFC
1-1' to 3-3'	60700	4.0	242800	1.7	100%	412760	332
Total resources						**412760**	

f) Indicate mineral reserves by slice plan/level plan method, as applicable as per the proposed mining parameters.

The sand reserves in 15 Acres (6.07 Ha.) sand block is estimated after deleting the sand resources blocked in the 7.5m safety area (1.78 Ha) and un-mined block (0.20 Ha.). The sand reserves are given in the Table No – 3.4

Table No 3.4: Mineral Reserves

Section No	Area (m^2)	Depth (m)	Volume (m^3)	Bulk Density t/m^3	Recovery	Reserves (Tonnes)	UNFC
1-1' to 3-3'	40464	1.0	40464	1.7	100%	68789	111
Total Resources						68789	

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Additional reserves by replenishment

Calculation of Sand Replenishment Rate

Block No.	4	Village:	Kotehal Sand Block

Taluk & District	Honnalli Tq, Davanagere Dist

Contractor: B J Sunil Kumar

Extent:	15	Acres =	6.0705	Ha.	<	25 Ha.

Average Annual Rainfall	633	mm	In the Catchment Area

Run-off Coefficient	50%	Percent

Mean Annual Run-off	316.5	mm
	12.46	Inches

Net Drainage Area:	7.12	KiloMeter^2
	2.75	Sq. Miles

Sediment Yield, $S = 1965 \times (e^{-0.055 \times Q}) \times \{1.43 - 0.26 \log(A)\} * 50$ Folds

S is Sediment Yield in Tons/ Sq. Mile/ Year	Q is Mean Annual Run-Off in Inches	A is Net Drainage Area in Sq. Miles

Sediment Yield	=	65146.3309	Tons/ Sq. Mile/ Year

Net Drainage Area:	2.75	Sq. Miles

Total Deposition	179089	Tons/ Year

Average River Width	357	Metre

Block Length	1189	Metre

Total River Area in the Catchment	0.42447	Sq. KM

Total Area of the Block	0.06071	Sq. KM

Prorata Yield in the Sand Block	25612	Tons/ Year

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4.0 MINING

a) **Briefly describe the existing/proposed method for developing/working the deposit with all design parameters.**

The area is located in the Tungabhadra river bed in Kotehal village and it has witnessed the sand upto 4.0m depth. In these five years of the mining plan period, it is proposed to work in entire area of lease except 7.5m safety barrier area and 50m length of un-mined block. The mining operations in the lease area would be confined to day hours from 6 AM to 6 PM.

1). No sand mining is proposed within the 250m radius from the village boundary or as per the decided by the local committee, 2). Un-mined sand block of 50m length is maintained after every block of 1000m length mining block, 3). In case of bridge no mining is proposed for the distance of minimum 250m or five times the length of bridge, whichever is more towards upstream and no mining is proposed for the distance of 500m or 10 times the length of bridge, whichever is more on downstream. 4).The quarrying of sand shall be restricted to three meters depth from surface or water level whichever is less. 5). The sand mining is restricted to the middle $3/4^{th}$ width of the river bed at the centre by leaving $1/8^{th}$ margin of the river width from the river bank all along the river length. 6). Use of backhoe equipment like JCB and screening in river bed sand quarrying shall be in accordance with guidelines issued by the Ministry of Environment, Forest and Climate Change. Government of India (MoEF) from time to time. 7). Suitable indigenous plant species proposed to be planted on specified stretch of the river banks to prevent river ingression and also to maintain river ingression. 8).The proposed access ramp are proposed to be removed after mining to restore the river bank.

It is proposed to produce maximum 22930 tonnes sand from this block per year by manual quarrying method. A team of 40 labours shall be deployed for quarrying the sand and screening (Wherever required). A JCB shall be used for loading the sand into tippers. The sand shall be supplied to the consumer for building construction, infrastructure development and other civil works.

b) **Indicate quantum of development and tonnage and grade of production expected p wise as in table below.**

The year wise calculation of production for these first five years of mining plan period is given in the Table No – 4.1.

Table No. 4.1 – Year-wise calculations of Production

Year	Section No	Area (m^2)	Depth (m)	Volume (m^3)	Bulk Density t/m^3	Recovery	Production (Tonnes)	UNFC	Remark
2017-18	A-A'	13488	1.0	13488	1.7	100%	22930	122	
2018-19	A-A'	13488	1.0	13488	1.7	100%	22930	122	
2019-20	B-B'	13488	1.0	13488	1.7	100%	22930	122	
2020-21	C-C'	13488	1.0	13488	1.7	100%	22930	122	Replenish ment
2021-22	C-C'	13488	1.0	13488	1.7	100%	22930	122	
Total Production							**114650**	122	

As per the calculation of sand replenishment in the year 2017-18 to 2021-22 totally 128060 Tonnes sand shall be accumulated in the lease area @ 25612 tonnes per year. Out of this 22930 tonnes sand on section A-A' shall be mined in the year 2020-21 and 22930 tonnes sand shall be mined on section B-B' in the year 2021-22.

The position of the pit during the five years of sand mining is shown on the production and development plan enclosed vide **Plate No – 5.**

Year-wise generation of waste

No waste is expected to generate.

c) **Attach- individual year wise plans & sections (in case of 'A' class mines):**

The year wise progress and position of the benches and development at the end of year Year-2017-18 to 2021-22 are shown in production & development sections enclosed vide **Plate No - 7.**

d) **Attach supporting composite plan and section showing pit layouts, dumps, stacks of sub-grade mineral, if any, the year from which effected.**

A Production & Development plan showing the composite year wise position of quarrying in the five years is enclosed vide **Plate No.6.**

Senior Geologist
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e) Indicate proposed rate of production when the mine is fully developed, and the expected life of the mine and the year from which effected.

The total reserves in this area are 68789 tonnes and in the plan period of five years 128060 tonnes sand is expected to deposit by replenishment in the lease area. It is proposed to produce 114650 tonnes during these five years of the plan period. Therefore the life of the Quarry is nearly 10 years (which include additional replenishment of sand).

f) Attach a note furnishing a conceptual mining plan for the entire lease Period (for 'B' category mines) and up to the life of mine (for 'A' category mines) based on the geological, mining and environmental considerations.

Conceptual mining plan:

For any mine, preparation of conceptual Quarry plan amounts to, fore-seeing in totality and planning for Quarrying and related activities through-out its life span, till such time all the usable ore / minerals are exhausted to the economical limits and lease area is reclaimed to the extent possible. Apart from physico-chemical and mineralogical parameters which form primary basis for compilation of conceptual mine plan, several other factors such as grade of sub- grade ores, marketability and the norms laid down by the Government agencies from time to time do play important roles. With ever increasing and changing needs of humanity, coupled with technological advancements, sub grade ores of the date become marketable ores in future.

A progressive mine closure plan / ultimate land use plan of the Lease area is enclosed vide **Plate No. 9**.

(i) Mineral reserves and anticipated life of the mine:

The total reserves in this area are 68789 tonnes and in the plan period of five years 128060 tonnes sand is expected to deposit by replenishment in the lease area. It is proposed to produce 114650 tonnes during these five years of the plan period. Therefore the life of the Quarry is nearly 10 years (which include additional replenishment of sand).

(ii) Exploration:

The sand in the lease block is very well exposed in the working pits. Hence no proposal for exploration is made till the conceptual stage.

(iii) Mine Development:

The sand quarrying shall be restricted to 1.0m depth from surface. There shall not be any quarrying done within the 7.5m safety area. The gradient of pit slope shall be maintained to 45^0. At conceptual stage there shall be two pits in this area. The length of the first pit shall be 189m and width shall be Average 36m and the length of the second pit shall be 985m and Average width shall be 36m.This pit at the conceptual stage shall be left over for re-deposition of transported sand by river flow.

(iv) Environmental Aspects:

A Safety barrier in the 7.5m buffer area from the boundary shall be left without mining. At the end of five years of mining plan period the pit shall be left for re-deposition of sand in next rainy season. Totally 4.40 Acre (area shall be used as safety barrier). The entire stretch of river bank over the length of 1174m shall be planted with the suitable indigenous plants species like Neem (Azadirachta indica), Honge (Pongamia pinnata), Hippe (Madhuca indica), Peepal tree (Ficus religiosa). The plantation shall also be carried out outside the lease on haulage road.

The present land use, proposed land use for the plan period and conceptual land use is given in the Table No 4.3.

Table No. 4.3: Ultimate land use at the end of mine

Particulars	Land use pattern at present stage (Ha)	Land use pattern At the end of plan period (Acres)
Area for Sand quarrying /quarrying activities	0.00	10.10
Area for Safety Barrier	-	4.40
Area for Road	-	-
Un-mined area	-	0.50
Total	**0.00**	**15.00**
Unused area	15.00	-
Total Quarry area	**15.00**	**15.00**

g) Opencast Mines

i. Describe briefly giving salient features of the mode of working (mechanized, semi-mechanized, and manual):

The proposal is made for the quarrying by manual method. During mining the sand in this area shall be excavated up to 1.0m depth by labours and shall be loaded manually to tippers for further transportation.

ii. Describe briefly the layout of mine workings, the layout of faces and sites for disposal of over burden/waste.

The year wise layout of the mine is shown on the production and development Sections enclosed vide **Plate No – 6.**

h) Underground Mines:

Not Applicable

i) Extent of Mechanization

The method of quarrying shall be manual and there shall not be any machineries involved in this quarry operation. One water tanker shall be deployed for the sprinkling of water and a jeep for travelling of the staff to mine site.

1. Drilling Machines

Nil

2. Loading Equipment

The loading of sand shall be manual. There are crews for loading the sand at river bed.

3. Haulage and Transport Equipment

a. Material Handling

Totally maximum 22930 tonnes of sand shall be handled in the second year.

The sand shall be directly transported to the consumer or shall be stacked to the stock yard outside the lease area.

The requirements of the tippers to handle this material is calculated below

Total handling per day is 22930 / 200 days = 114.65 Tons

say 115 tons per day

- Capacity of tippers is - 5.0m^3(8.5 tons)
- No. of trips per day per trucks(Effective working hours – 8hrs) – 4 trips
- Efficiency of tippers – 80%

Therefore total numbers of tippers required shall be

115 tons per day/8.5 tons per trip = 13.52 trips (say 14)

14 trips per day/4 trips per day per trucks = 3.5 x 80% = 4.37 say 5 No.s

Hence considering 80% availability 5 tippers are requires for handling.

The details of the transport equipment is given in the Table No 4.5

Table No 4.5 : Details of the transporting equipment

Type	No's	Size/ Capacity	Make	Motive Power
Tippers	5	5m^3	Local	Diesel

4. **Miscellaneous:**

Describe briefly any allied operations and machineries related to the mining of the deposit not covered earlier.

A. Operations

For dust suppression one water tankers with spraying arrangement shall be deployed.

The details of the equipment required for miscellaneous is given in the Table 4.7

Table No. 4.7: Details of the equipments for miscellaneous

Type	Nos.	Size/Capacity	Make	Motive Power
Tractor with tanker	1	3000 lit	Mahindra	Diesel
Jeep	1	1+4	Mahindra	Diesel

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5.0 BLASTING

a) **Broad blasting parameters like charge per hole, blasting pattern, charge per delay, maximum number of holes blasted in a round, manner and sequence of firing etc.**

i. Blasting Pattern :

The sand is in loose form and can easily excavated by men, hence drilling and blasting is not required

ii. Manner and sequence of firing:

Not applicable.

b) **Type of explosives used/to be used**

Not applicable.

c) **Powder factor in ore and overburden / waste / development heading / stope.**

Not applicable

d) **Whether secondary blasting is needed, if so, describe in brief :**

Not applicable.

e) **Storage of explosives (like capacity & type of explosive magazine) :**

Not applicable.

6.0 MINE DRAINAGE

a) Likely depth of water table based on observations from nearby wells and water bodies :

The water table in the mine is just 18m below the surface level.

b) The deepest workings expected to reach.

The excavation of the sand shall be restricted to 1.0m depth from the surface, which gets re-filled within the next rainy season.

c) Quantity and quality of water likely to be encountered, the pumping arrangements and places where the mine water is finally proposed to be discharged.

It is a river bed, where ground water encounters after 18m depth. Hence the working is proposed only upto 1.0m depth from the surface. No water encounter at the depth of 1.0m from surface.

7.0 STACKING OF MINERAL REJECTS & DISPOSAL OF WASTE

a) **Indicate briefly the nature and quantity of top soil, overburden/waste and mineral rejects likely to be generated during the next five years :**

There is no top soil to be generated in this area and no waste expected to generate.

Threshold values in respect of sand as evolved by IBM may be adopted as applicable.

Not applicable

b) **Land chosen for disposal of waste with proposed justification.**

No waste is expected to generate.

c) **Attach a note indicating the manner of disposal, and configuration, sequence of buildup of dumps along with the proposals for the stacking of sub-grade ore to be indicated item wise.**

No sub grade is expected to generate during these five years period of mining.

8.0 USE OF MINERAL

a) Describe briefly the end-use of the mineral (sale to intermediary a parties, captive consumption, export and internal use).

Sand is used mainly as a building material, for construction of infrastructure, road making and other civil works as a basic filling material.

b) Indicate the physical and chemical specifications stipulated by some of the buyers.

The sand should be coarse, hard with rough surface and the size should be -5mm+1mm.

c) Give details in case of blending of different grades of ores is being practiced or is being practiced at the mine to meet specifications stipulated by buyers.

Not applicable

9.0 OTHERS

Describe briefly the following:

a) Site Services :

The site services at mines take care of the workers requirements of food, shelter, water, emergency first aid services as well as equipment maintenance services in addition to recreational facilities for the employees, workmen and their families.

The following statutory and administrative facilities shall be made available near the mine site.

- Rest Shelter
- First Aid Station
- Latrines/Urinals
- Canteen
- Water supply for drinking purposes

b) Employment potential :

The list of the staff and workmen employed in the mine is given Table No 9.1

Table No 9.1: Requirement of workmen & staff

Sl. No	Particulars	No's
1	Highly Skilled	1
2	Skilled	2
3	Semi-skilled	2
4	Un-skilled	40
	Total	**45**

A second class Manager cum Engineer shall be in-charge of the site operations and the others shall be employed through contractors.

10.0 MINERAL PROCESSING

a) **If processing/beneficiation of the ore or minerals mined is planned to be conducted on site or adjacent to the extraction are, briefly describe the nature of the processing/beneficiation. This should indicate size and grade of feed material and concentrate** (finished marketable product), recovery rate.

There is no proposal for any processing / beneficiation plant in this area. The screening shall be done manually or by using gravity screen.

b) **Explain the disposal method for tailings or waste from the processing plant (quantity and quality of tailing proposed to be discharged, size and capacity of tailing pond, toxic effect of such tailings, if any, with process adopted to neutralize any such effect before their disposal and dealing of excess water from the tailing dam).**

No waste is expected to generate.

c) **A flow sheet or schematic diagram of the processing procedure should be attached.**

Not applicable.

d) **Specify quantity and type of chemicals to be used in the processing plant.**

Not Applicable

e) **Specify quantity and type of chemical to be stored on site/plant.**

Not Applicable

f) **Indicate quantity (cu.m per day) of water required for mining and processing and sources of supply of water. Disposal of waste water and extent of recycling.**

The requirement of water for the purpose of drinking, dust suppression and afforestation as given in Table No 10.1

Table.No.10.1 Requirement of water

Purpose	Qty Required m^3/day
Drinking water & Domestic	2
Dust suppression	21
Total	**23**

Drinking water shall be brought from nearby borehole located outside the lease area.

PART-II

11.0 ENVIRONMENTAL MANAGEMENT PLAN

a) Attach a note on the status of baseline information with regard to the following :

The extent of 15 acres lease consists of plain area. The lease is surrounded by the river flow and agricultural lands. The agriculture is carried out to grow mainly Batta, Kabbu, Mekkejola. The climate is dry and medium hot during the summer months. A cool western breeze blows during the greater part of the night. The temperature varies from a minimum of 8.40^{0}C during winter and maximum of 45^{0}C during the summer. The average rainfall is about 443.95mm per annum. The nearest village is Kotehal Village located at a distance of 1.0km from this sand block. Agriculture is the main work of villagers. No public buildings, monuments exist, in the lease area or adjacent to the lease area. Pollution free air and river water are a boon in the area since air and water are not contaminated from any external source. The groundwater is located at 18m depth from surface. Mica, Squirrel, Crow, Snakes and fox seen periodically in this area.

Existing land use pattern indicating the area already degraded due to quarrying /pitting, dumping, roads, processing plant, workshop, township etc., in a tabular form.

The proposed Sand Block area is Vergin. No Quarrying activities are undertaken.

- **Water regime**

The area for sand mining is located on the Tungabhadra river bed, where river flows from the month of June to October.

- **Flora and Fauna**

The common flora in this area are given in the Table No 11.2

Sl No	Common Name	Botanical names
1	Bevinagida	*Azadirachta indica*
2	Akkegida	*Calotropis gigantea*
3	Jaaligida	*Prosopis juliflora*
4	Neelagiri	*Eucalyptus spp*
5	Bannigida	*Prosopis cineraria*
6	Aladamara	*Ficus benghalensis*

The common fauna in this area is given in the Table No 11.3

Sl No	Common Name	Scientific name
1	Mice	Mus
2	Squirrel	Sciuridae
3	Crow	Corvus
4	Snakes	Serpentes
5	Fox	Vulpes

No wild life is reported in this area.

Quality of Air, Ambient Noise Level and Water

1. Ambient air quality

The air quality in the area mainly depends on the nature & concentration of emissions and meteorological conditions. The major air pollutants include:

- Particulate Matter (Dust) of various sizes
- Gases, such as, Sulphur Dioxide, Oxides of Nitrogen, Carbon Monoxide etc. from vehicular exhaust.

Dusts are the single largest air pollutant observed in this area. Diesel operating vehicles produces NOx, SO_2 and CO emissions, usually at low levels. Dust can be a significant nuisance to surrounding land users and potential health risk in some circumstances. Dust is produced only from transportation of sand.

Summary of AAQ Monitoring Data

Sl.No	Location	PM_{10}	$PM_{2.5}$	SO_2	NO_X
1	Kotehal	42.8	07.02	6.22	8.14

Noise levels:

In the nearby villages, the main noise generation source is from movement of vehicles. The noise level with in those areas was 42.4 to 50.6dB (A). At night noise levels are comparatively low.

Water Quality:

The proposed sand mining area is located on the Tungabhadra river bed.

The drinking water in this area is made available through bore wells and govt pipelines. This water is being used for drinking purpose from many years.

- **Climatic conditions:**

A cool western breeze blows during the greater part of the night. The temperature varies from a minimum of 8.40^{0}C during winter and maximum of 45^{0}C during the summer. The average rainfall is about 443.95mm per annum. The lease area is surrounded by river bed and agricultural land. The nearest village is Kotehal is located at 1.0km from the sand deposit. The lease area does not fall under the notified water act.

- **Human settlement:**

There is no human settlement in the Quarry area.

- **Public buildings, places of worship and monuments:**

There are no monuments of either historical or archaeological importance in the core or buffer zone.

- **Attach plans showing the locations of sampling stations:**

The proposed location for environment monitoring is given in the Table 11.2.

Table No 11.2: Details of the environment sampling locations

Sample No	Location	Remark
W1	Core Zone	N – Noise monitoring location W – Water sampling location A – Ambient sampling location
A1 and N1	Kotehal	

b) Attach an Environmental Impact Assessment Statement describing the impact of mining and beneficiation of environment on the following over the next five years and up to conceptual plan period 'A' category mines.

i. Land area indicating the area likely to be degraded due to quarrying, pitting, dumping, road, workshop, processing plant, township etc.

Due to Sand Quarrying operation there shall be a minor impact on the environment. The area broken for Quarrying at the end of quarry plan period and at the conceptual stage is given in the Table No 11.3

Table no.11.3 Ultimate land use at the end quarrying plan period and life of the quarry

Particulars	Land use pattern at present stage (Ha)	Land use pattern At the end of plan period (Acres)
Area for Sand quarrying /quarrying activities	0.00	10.10
Area for Safety Barrier	-	4.40
Area for Road	-	-
Un-mined area	-	0.50
Total	**0.00**	**15.00**
Unused area	15.00	-
Total Quarry area	**15.00**	**15.00**

The land use pattern at the end of year five of plan period is given in PMCP enclosed vide **Plate No-9**.

ii. Air Quality

There may be a negligible impact on ambient air quality of surrounding as the mining operations are very small. However, the quality of air in lease area may be deteriorated to certain extent due to excavation of dry sand and loading. The existing air quality in the core zone is not likely to have considerable impact due to this small scale mining. However all the environment measures during the mining to control air and transportation of sand shall be undertaken, so that the pollution scenario shall be marginal and in-significant.

iii. Water Quality

The groundwater is located at the depth of 18m from surface level. No ground water is going to encounter during the mining as it is restricted to 1.0m depth only and there shall not be any discharge of water from mining to the adjacent area. Hence there shall not be any impact on water quality.

iv. Noise Levels

The noise level with in buffer zone is 46.6 to 58.8dB (A) during day time. With the proposed manual method of mining there shall not be any increase in noise level. The impact of quarrying on the ambient noise level (if any) would be hardly noticeable in nearby villages as the nearest village Kotehal is 1.0km away from mine.

v. Vibration levels (due to blasting)

Not applicable, as no drilling and blasting is proposed.

vi. Water Regime

The sand mining area is located on the Tungabhadra river.

The ground water level is 18 m below the surface level and hence no ground water is going to encounter during mining as the mining is extended upto only 1.0m depth from the surface.

vii. Socio-economics

Social and demographic profile: The mine is situated in the remote place area, where the socio- economic status of the people is not satisfactory.

The main occupation of the people is farming. There no major industries in the area. The mining operation in such remote places would provide 45 direct & about 45 number of indirect employment to local people. Apart from these at least same number of people shall get side business due to these sand mining operations. Hence mining operation will help in improving socio-economic status of the area.

viii. Occupational health and safety hazards:

The statutory norms shall be followed during the course of mining to ensure the proper health and safety of workers. Apart from this there is no other factor envisaged during the mining operations.

ix. Human settlement:

The local population is well settled in the nearby villages. There is possibility of the migrating the laborers from surround area to the nearby villages due to increase in revenue earning in this area. There shall be better development of infrastructure due to mining activities.

Recreation facilities:

As on now there are no much recreational facilities are available. Recreation facilities would be improved once the Quarry starts and financial position of workers will be developed.

x. Historical monuments etc.

There are no historical monuments in the core or buffer zone.

c) Attach an Environmental Management Plan (supported by appropriate plans and sections and time-bound action proposed to be taken with sequence & timing in the following diagrams should be used).

Temporary storage and utilization of top soil.

No soil is going to generate during this sand quarrying.

➢ **Year wise proposal for reclamation of land affected by abandoned quarries and their mining activity during first five years (and up to conceptual plan period for 'A' category mines, clarifying to extent back filling and re-contouring and/or alternative use of unfilled/partially filled excavations two sides/slopes and mine.**

The mining operations during these five years of the mining plan are planned only 1.0m depth from the surface. As the mining area is river bed and every year sand gets re-deposited on the excavated area naturally, no reclamation of the pit is proposed. At conceptual stage also the area shall be having same sand deposit.

- **Programme for afforestation, year wise for the initial five years (and up to conceptual plan of 'A' category mines) indicating number of plants with name of species to be demarcated in areas in hectares.**

4.4 Acre area earmarked for safety barrier. Afforestation shall be done outside the lease area along the haulage road by planting about 100 saplings. Apart from this the entire stretch of river bank over the length of 1189m shall be planted with 400 saplings of the suitable indigenous plants species like Neem (Azadirachta indica), Honge (Pongamia pinnata), Hippe (Madhuca indica), Peepal tree (Ficus religiosa).,

- **Stabilization and vegetation dumps along with waste dump management for next five years (and up to conceptual plan period for 'A' category mines).**

No waste is expected to generate.

- **Treatment and disposal of water from mine:**

There is no waste water to be discharged from the mine. The quarrying shall be done once the river gets dried.

- **Measures for minimizing adverse effects on water regime:**

There is no waste water to be discharged from the mine. The quarrying shall be done once the river gets dried. Moreover the operation is manual. Hence the effect due to Quarrying shall be neglible.

- **Protective measures for ground vibrations/air blast caused by blasting:**

There is no proposal for any drilling or blasting in this area as the sand is in loose for and can easily excavated and loaded manually.

- **Measures for protecting historical monuments and for rehabilitation of habitat, settlements, disturbed due to mining activity:**

There are no historical monuments in the core or buffer zone.

- **Socio-economic benefits arising out of mining:**

Social and demographic profile: The mine is situated in the remote place area, where the socio- economic status of the people is not satisfactory.

The main occupation of the people is farming. There are no major industries in the area. The mining operation in such remote places would provide 45 direct & about 45 number of indirect employment to local people. Apart from this equal number of people shall get side business due to this sand operation. Hence mining operation will help in improving socio-economic status of the area.

d) Monitoring schedules for different environmental components after the commencement of mining operations and related activities (for 'A' category mines only):

For this mining project a half early monitoring mechanism for various environmental parameters shall be evolved as per the guidelines issued by State Environment Committee.

PART III

12.0 PROGRESSIVE MINE CLOSURE PLAN

12.01 Introduction

a. Name of the Lessee :

B.J. SUNILKUMAR
Proprietor,
M/s. Global Manpower Agency
Near Nutan College, LIC colony
Davangere - 577004
Karnataka,
Ph No. : +91 9449643555

b. Location of the area : **Kotehal Sand Block**
Tungabhadra River Bed
Kotehal village,
Honnali Taluk,
Davangere Dist. Karnataka State

A location plan is enclosed vide **Plate No. 1**.

c. Extent of the area : 15.0 Acres

Type of the lease area : Government

d. Present Land Use Pattern :

The present land use in mine area is given in the Table No 12.1:

Table No. 12.1 Present Land Use Pattern.

Particulars	Land use pattern at present stage (Acres)
Area for quarrying/ quarrying activities	0.00
Total	**0.00**
Unused area	15.00
Total Quarry area	**15.00**

e. **Method of Mining**

Please refer Chapter – 4 Mining

- **Mineral Processing**

Please refer Chapter – 10 Mineral processing

12.02 Reasons for closure

There is no proposal given for mine closure in these two years of the mining plan as the sand deposit gets re-deposited in every rainy season. However progressive mine closure plan is submitted along with this mine plan and the details are given in the Plate No 8 (Progressive Mine Closure Plan).

Statutory Obligations

The mining plan will be approved by Sr Geologist, Dept of Mines & Geology, Davangere where as the environment clearance shall be obtained from SEAC-Bangalore/DEAC-Davanagere.

12.03 Closure Plan Preparation:

Lessee : B.J. Sunilkumar, Proprietor
M/s. Global Manpower Agency
Near Nutan College, LIC Colony
Davangere - 577004
Karnataka,
Ph No. : +91 9449643555

Name and Address of the RQP:

Dr. D.N.Gulhane Key person	**S. Kameswara Rao** Authorised signatory
Global Environment & Mining Services **Reg. No. :RQP/BNG/242/2007/B** RQP Validity up to 4th March, 2017 3rd Main, Basaveshwara Badawane Hospet-583201,District: Bellary, Karnataka Email : gems_hpt@yahoo.com Tel. No.: +91-08394-651111/229433 Mob. No.: +91-9436479433/9449830533	

a) **Executing Agency** : Sri. B.J. Sunilkumar

MINE DESCRIPTION:

12.20 Geology:

Regional geology

Please refer Chapter 3 Geology & Reserves

Local Geology:

Please refer Chapter No 3 Geology & Reserves.

12.21 Reserves

Please refer Chapter 3 Geology & reserves

12.22 Mining Method:

Please Refer Chapter 4 Mining.

12.23 Mineral Beneficiation:

Please refer Chapter 10 Mineral Processing.

12.30 REVIEW OF IMPLEMENTATION OF MINING PLAN

12.31 Name of Mine: 'Kotehal Sand Block' of B.J. Sunilkumar

12.32 Particulars of the Approved Mining Plan/ Scheme

It is submitted and under process.

12.33 Date of commencement of Mining Operations.

No mining is started in this area

12.34 Review of Compliance Position of Mining Plan

Review of Compliance position of Salient features of Mining Plan on chapter wise basis bringing out marked deviation, if any, and justification / reasons thereof. Items to be covered may include exploration, mine development, exploitation, afforestation programme,

This is the first mining plan. Hence it is not applicable

1. **Exploration :**

This is the first mining plan. Hence it is not applicable

2. **Mine Development:**

This is the first mining plan. Hence it is not applicable

3. **Mine Production:**

This is the first mining plan. Hence it is not applicable

4. **Reclamation & Rehabilitation**

This is the first mining plan. Hence it is not applicable

Waste Management

This is the first mining plan. Hence it is not applicable

Quality of Air

This is the first mining plan. Hence it is not applicable

Noise Level

This is the first mining plan. Hence it is not applicable

Ground Vibrations

This is the first mining plan. Hence it is not applicable

Quality of water:

This is the first mining plan. Hence it is not applicable

3. 4C Review of compliance of conditions and stipulations imposed, if any, while approving Mining Plan / Scheme. In case non-compliance, partial compliance justification reasons thereof may be furnished along with proposal for compliance in ensuring period.

This is the first mining plan. Hence it is not applicable

3.4D Review of compliance of violations pointed out after inspections made under MCDR, 1988 during the last five years.

This is the first mining plan. Hence it is not applicable

3.4E Any other points requiring attention in the interest of proper mine design Development, conservation and Ecology of the area.

Nil

12.4.0 Progressive mine closure Plan

12.4.1 Mined out land.

It is a virgin area. The present landuse, the landuse at the end of two years of the mining plan and at the conceptual stage is given in the Table Number 12.2

Table No. 12.2: Present land use and land use at the end of the plan period.

Particulars	Land use pattern at present stage (Ha)	Land use pattern At the end of plan period (Acres)
Area for Sand quarrying /quarrying activities	0.00	10.00
Area for Safety Barrier	-	4.50
Area for Road	-	-
Un-mined area	-	0.50
Total	**0.00**	**15.00**
Unused area	15.00	-
Total Quarry area	**15.00**	**15.00**

12.4.2 Water quality management:

The sand block is located on the Tungabhadra river bed and the sand shall be excavated only upto 1.0m depth from surface when the river dries.

12.4.3 Air quality management:

The air around the Mine is clean and moderately dry. To maintain the same during mining the sprinkling of water shall be done on haulage road.

12.4.4 Waste Management:

No waste is expected to generate.

12.4.5 Top Soil Management

No topsoil is going to generate during this sand mining

12.4.6 Tailing Dam Management

Not Applicable

12.4.7 Infrastructure.

There is no infrastructure located inside the lease area.

12.4.8 Disposal of Machinery

The question of disposal of mining machinery does not arise as the closure plan is a progressive in nature and the sand deposit gets re-deposited every year during the rainy season.

12.5 Safety & Security:

The mining shall be done only upto the depth of 1.0m from surface. However the safety holdings shall be displayed all around the mining block and haulage road.

12.6 Disaster Management & Risk Assessment:

No disaster is expected in this small scale of mining; however as an emergency the location of the hospital, police station and fire brigade is given in the Table No 12.3

Table No. 12.3: Location of Stations during Emergency

Stations	Location of the station	Distance of station from mines
Govt. Hospital	Honnali	19 km
Police station	Honnali	19 km
Fire Brigade	Harihara	47 km

In case of any eventuality the following person will be available for contact.

B.J. SUNILKUMAR
Proprietor
M/s. Global Manpower Agency
Near Nutan College, LIC Colony
Davangere – 577004, Karnataka,
Ph No. : +91 9449643555

12.7 Care and maintenance during temporary discontinuance:

The following specific measures shall be taken during temporary discontinuance,

a. The safety holdings shall be displayed all around the sand block and on the haulage road

b. All the above will be examined by manager once in a week to ensure that they are in order.

12.60 Economic repercussions of closure of mine & manpower retrenchments:

In case of the closure of the mine the company shall plan for the voluntary retirement scheme.

12.70 Time Scheduling of Abandonment:

As on now there is no schedule for abandonment of mine. However the time scheduling for environment management measures are given in Table 12.4

Table No. 12.4 Environment Management Schedule

YEAR	2017-18	2018-19	2019-20	2020-21	2021-22
Safety zone / Greenbelt					
Environmental Monitoring					
Water spraying on haul roads					

Abandonment Cost

As on now the environment management cost includes:

The initial capital cost is given in the table No 12.5 and annual recurring cost is given in Table No 12.6

Table No. 12.5 Initial/ Capital Investment for Environmental Protection

Sl. No.	Particulars	No.	Cost (Lakh Rs.)
I	**Pollution Control**		
1.1	Water sprayer (Mobile)	1	10.00
	Total		**10.00**

Table No. 12.6: Recurring Annual Cost for Environmental Protection

Sl. No.	Particulars	No.	Cost (Lakh Rs.)
I	**Pollution Control**		
1.1	Water spraying		2.40
1.2	Safety / Green belt development	Local bushes	0.50
1.3	Personal protective equipment	20	0.30
2	CSR		1.50
	Total		**4.70**

The annual cost for environment protection / environmental improvement works is envisaged as Rs. 4.7 lakhs and the specific environmental protection cost per year is nearly Rs. 20.49/- per tonnes of sand.

12.80 Financial Assurance :

Entire 15.0 Acres area shall be used for quarrying, un-mined area and safety barrier at the end of five years of the quarrying plan period. The required financial assurance in form of bank guarantee as per norms shall be given to Sr Geologist, Dept. of Mining & Geology, Govt of Karnataka, Davangere after confirmation. The detail breakup of the land is given in Table No 12.7 and the broken up area is shown in **Plate No. 9,** Progressive Mine Closure Plan.

Table No. 12.7: Details of Broken up area at the end of [illegible] Mining Plan period

Sl. No.	Head	Area Put On Use at start of plan (in Acres)	Additional requirement during plan period (in Acres)	Total (in Acres)	The area considered as fully reclaimed & rehabilitated (in Acres)	Net area considered for calculation (in Acres)
1	Area under quarrying/quarrying activities	0.00	10.00	10.00	-	10.00
2	Storage of top soil	-	-	-	-	-
3	Overburden / dump/ tailing dump	-	-	-	-	-
4	Roads	-	-	-	-	-
5	Safety barrier	-	4.50	4.50	-	4.50
6	Un-mined Area	-	0.50	0.50	-	0.50
7	Afforestation	-	[illegible]	[illegible]	-	[illegible]
	Total	**0.00**	**15.00**	**15.00**	**-**	**15.00**
	Virgin area	15.00	-	-	-	-
	Total Quarry area	**15.00**	**15.00**	**15.00**	**15.00**	**15.00**

12.9 Certificate:

Enclosed

12.10 Plans and Sections:

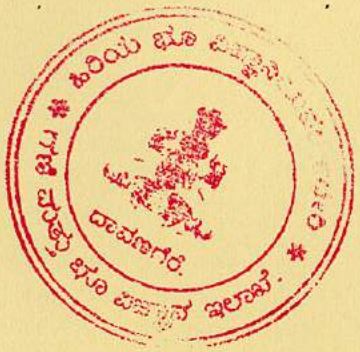
Plans and sections are enclosed.

GLOBAL Environment & Mining Services
RQP/BNG/242/2007/B

Dr. D N Gulhane
Key Person

S Kameswara Rao
Authorized Signatory

Senior Geologist
Dept. of Mines & Geology
DAVANGERE



ANNEXURES

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರ ಕಾರ್ಯಾಲಯ ಗಣಿ ಮತ್ತು ಭೂವಿಜ್ಞಾನ ಇಲಾಖೆ, ದಾವಣಗೆರೆ

Office of the Senior Geologist, Dept of Mines and Geology, Davanagere – 577005
#1948/1, In front of Anjaneya Temple, Vidyanagar, Davanagere Tel:08192 -231492, E mail Id- sgdavdmg123@gmail.com

ನಂ: ಗಭೂಇ/ಹಿಭೂವಿ/ದಾವಣಗೆರೆ/ಸಾ.ಮ.ಎಲ್.ಒ.ಐ/2017–18 /179 ದಿನಾಂಕ:10/04/2017.

LETTER OF INTENT

ವಿಷಯ: ತುಂಗಭದ್ರ ನದಿ ಪಾತ್ರದ ಸಾಧಾರಣ ಮರಳು ಬ್ಲಾಕ್ ಹಂಚಿಕೆ ಮಾಡುವ ಕುರಿತು.

ಉಲ್ಲೇಖ: 1) ಈ ಕಛೇರಿ ಪತ್ರ ಸಂಖ್ಯೆ: ಗಭೂಇ/ಹಿಭೂವಿ/ದಾವಣಗೆರೆ/ಸಾ.ಮ.ತಾ.ಅಂ.ಪತ್ರ/2017–18/136 ದಿ:05–04–2017

2) ತಾವು ಭದ್ರತಾ ಠೇವಣಿಯನ್ನು ಕಛೇರಿಗೆ ಪಾವತಿಸಿದ ದಿನಾಂಕ:10/04/2017

3) ಕರ್ನಾಟಕ ಉಪಖನಿಜ ರಿಯಾಯಿತಿ ನಿಯಮ 1994 ತಿದ್ದುಪಡಿ ನಿಯಮ 2016 ನಿಯಮ 31–T(12) ರಂತೆ.

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ಮೇಲ್ಕಂಡ ವಿಷಯ ಹಾಗು ಉಲ್ಲೇಖಿತ ಪತ್ರಗಳಲ್ಲಿ ವಿವರಿಸಿರುವಂತೆ ಮತ್ತು ಉಲ್ಲೇಖ (1)ರ ಈ ಕಛೇರಿಯ ಪತ್ರದನ್ವಯ ದಾವಣಗೆರೆ ಜಿಲ್ಲೆ ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕು ಕೋಟೆಹಾಳ್ ಗ್ರಾಮದ ಸರ್ವೆ ನಂ.15,16, 17–25 ಕ್ಕೆ ಹೊಂದಿಕೊಂಡಂತೆ ಸಾಮಾನ್ಯ ವರ್ಗಕ್ಕೆ ಮೀಸಲಿರಿಸಿದ್ದ ಮರಳಿನ ಬ್ಲಾಕ್ ಸಂಖ್ಯೆ.04, ವಿಸ್ತೀರ್ಣ 15–00 ಎಕರೆ ಪ್ರದೇಶಕ್ಕೆ ತಾವು ಉಲ್ಲೇಖ (2)ರಂತೆ ಕಛೇರಿಗೆ ಪಾವತಿಸಿರುವ ಭದ್ರತಾ ಠೇವಣಿ ಮೊತ್ತ ರೂ.6,60000/– ಗಳನ್ನು ಅಂಗೀಕರಿಸಲಾಗಿರುತ್ತದೆ.

ದಾವಣಗೆರೆ ಜಿಲ್ಲೆ ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕು ಕೋಟೆಹಾಳ್ ಗ್ರಾಮದ ತುಂಗಭದ್ರ ನದಿ ಪಾತ್ರದಲ್ಲಿ ಸರ್ವೆ ನಂ. 15,16,17–25 ಕ್ಕೆ ಹೊಂದಿಕೊಂಡಿದ್ದು, ಸಾಮಾನ್ಯ ವರ್ಗಕ್ಕೆ ಮೀಸಲಿರಿಸಿದ್ದ ಮರಳಿನ ಬ್ಲಾಕ್ ಸಂಖ್ಯೆ.04, ವಿಸ್ತೀರ್ಣ 15–00 ಎಕರೆ ಪ್ರದೇಶಕ್ಕೆ ಅನ್ವಯವಾಗುವ ಈ ಕೆಳಕಂಡ ಕರಾರು/ನಿಯಮಗಳನ್ನು ಪಾಲಿಸಿ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗೆ ಗುತ್ತಿಗೆ ಮಂಜೂರಾತಿಯನ್ನು ಪಡೆದುಕೊಳ್ಳಲು ಸೂಚಿಸಿದೆ.

a) ಈ ಮರಳು ಗಣಿ ಗುತ್ತಿಗೆಯು ನಿರ್ದಿಷ್ಟವಲ್ಲದ ಉಪಖನಿಜಗಳಿಗೆ ಮಾತ್ರ ಅನ್ವಯಿಸಿದ್ದು, ಮಂಜೂರಾದ ಮರಳು ಗಣಿ ಗುತ್ತಿಗೆಯ ಪ್ರದೇಶದಲ್ಲಿ ಯಾವುದೇ ಉಪಖನಿಜಗಳ ನಿಕ್ಷೇಪ ಕಂಡುಬಂದಲ್ಲಿ ಕೂಡಲೇ ಅದನ್ನು ಸಕ್ಷಮ ಅಧಿಕಾರಿಗಳ ಗಮನಕ್ಕೆ ತಂದು ಗಣಿಗಾರಿಕೆ ಮಾಡುವ ಅಪೇಕ್ಷೆ ಪಟ್ಟಲ್ಲಿ ಅದನ್ನು ಸಕ್ಷಮ ಪ್ರಾಧಿಕಾರದಿಂದ ಲಿಖಿತ ರೂಪದಲ್ಲಿ ಒಪ್ಪಿಗೆ ಪಡೆಯತಕ್ಕದ್ದು.

b) ಗುತ್ತಿಗೆದಾರರು ಗುತ್ತಿಗೆಯ ಸರಹದ್ದುಗಳನ್ನು ಕಾಯ್ದುಕೊಳ್ಳಲು ನದಿ ಪಾತ್ರದ ದಂಡೆಯ ಪಕ್ಕದಲ್ಲಿ ಸರಹದ್ದುಗಳ ಬೋರ್ಡ್‌ಗಳನ್ನು ತನ್ನ ಸ್ವಂತ ಖರ್ಚಿನಲ್ಲಿ ನಿರ್ಮಿಸಿ, ಸುಸ್ಥಿತಿಯಲ್ಲಿರುವಂತೆ ಪಾಲಿಸಿಕೊಂಡು ಬರತಕ್ಕದ್ದು.

c) **Letter of Intent** ಆದೇಶದ ಮೇರೆಗೆ ಗಣಿಗಾರಿಕೆಯನ್ನು ಪ್ರಾರಂಭಿಸಲು ಅವಕಾಶವಿರುವುದಿಲ್ಲ. ಮರಳು ಗಣಿ ಗುತ್ತಿಗೆ ಅಮಲ್ದಾರಿ ಮಾಡಿ ಶಾಸನ ಪುಸ್ತಕ ನೊಂದಾಯಿಸಿದ ನಂತರವೇ ಗಣಿಗಾರಿಕೆಯನ್ನು ಪ್ರಾರಂಭಿಸತಕ್ಕದ್ದು.

d) ಗುತ್ತಿಗೆದಾರರು ಮಂಜೂರಾದ ಮರಳು ಗಣಿ ಗುತ್ತಿಗೆ ಪ್ರದೇಶದಲ್ಲಿ ನಾಮಫಲಕದಲ್ಲಿ ಹೆಸರು ಮತ್ತು ವಿಳಾಸ ಮಂಜೂರಾದ ಗುತ್ತಿಗೆಯ ವಿಸ್ತೀರ್ಣ, ಗುತ್ತಿಗೆ ಸಂಖ್ಯೆ, ದಿನಾಂಕ ಇತ್ಯಾದಿಗಳ ವಿವರಗಳನ್ನು ದಪ್ಪ ಅಕ್ಷರಗಳಲ್ಲಿ ಬರೆಸಿ ಗುತ್ತಿಗೆ ಪ್ರದೇಶದ ಪ್ರವೇಶದ್ವಾರದಲ್ಲಿ ಪ್ರದರ್ಶಿಸುವಂತೆ ಹಾಕಿರತಕ್ಕದ್ದು.

e) ಕೆ.ಎಂ.ಎಂ.ಸಿ.ಆರ್ 1994 ನಿಯಮದ ಅನುಸೂಚಿ–1ರ ಪ್ರಕಾರ ಸ್ಥಿರತೆರಿಗೆ, ಅನುಸೂಚಿ–2ರ ಪ್ರಕಾರ ರಾಜಧನ ರೂ.60/–, ನಿಯಮ 36(A) ರಂತೆ ಜಿಲ್ಲಾ ಖನಿಜ ಪ್ರತಿಷ್ಠಾನ ನಿಧಿಗೆ ಪ್ರತಿ ಮೆಟ್ರಿಕ್ ಟನ್ ಮರಳಿಗೆ ರೂ.6/–, ಆದಾಯ ತೆರಿಗೆ ರೂ. 1.20/– ಹಾಗು ಮರಳು ಹರಾಜಿನಲ್ಲಿ ಪ್ರತಿ ಮೇಟ್ರಿಕ್ ಟನ್‌ಗೆ ಬಿಡ್ ಮಾಡಿರುವ ಮೊತ್ತ ರೂ.627/–ರಂತೆ ಪ್ರತಿ ಮೆ.ಟನ್‌ಗೆ ಒಟ್ಟು ರೂ.694.20/–ಗಳನ್ನು ಪಾವತಿಸಬೇಕಾಗುತ್ತದೆ.

f) ಮಂಜೂರಾದ ಮರಳು ಗಣಿ ಗುತ್ತಿಗೆ/ಲೈಸೆನ್ಸ್ ಕೆ.ಎಂ.ಎಂ.ಸಿ.ಆರ್.1994 ತಿದ್ದುಪಡಿ ನಿಯಮ 2016 ರ ಇತರೆ ನಿಯಮಗಳ ನಿಬಂಧನೆಗಳಿಗೆ ಒಳಪಟ್ಟಿರುತ್ತದೆ ಹಾಗೂ ಮರಳು ಗಣಿ ಗುತ್ತಿಗೆ ಅಮಲ್ಕಾರಿ ಸಮಯದಲ್ಲಿ ಹೆಚ್ಚುವರಿ ಇತರೆ ನಿಬಂಧನೆಗಳನ್ನು ಸೇರಿಸಿದ್ದ ಪಕ್ಷದಲ್ಲಿ ಅದನ್ನು ಸಹ ಗುತ್ತಿಗೆದಾರರು ತಪ್ಪದೇ ಪಾಲಿಸತಕ್ಕದ್ದು.

Letter of Intent ಆದೇಶ ಹೊರಡಿಸಿದ 3(ಮೂರು) ತಿಂಗಳೊಳಗಾಗಿ ಮೋಜಣಿ ಹಾಗೂ ಇನ್ನಿತರೆ ಕೆಳಕಂಡ ಶುಲ್ಕಗಳನ್ನು ಪಾವತಿಸುವುದು ತಪ್ಪಿದ್ದಲ್ಲಿ ಕೆ.ಎಂ.ಎಂ.ಸಿ.ಆರ್–1994 ತಿದ್ದುಪಡಿ ನಿಯಮ 2016, ನಿಯಮ 31–T(13) ರಂತೆ ಸೂಕ್ತ ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗುವುದು.

1.	ಮೋಜಣಿ ಶುಲ್ಕ (ರೂ.500/– ಪ್ರತಿ ಎಕರೆಗೆ) 15–00 ಎಕರೆಗೆ ಒಟ್ಟು	ರೂ. 7,500/–
2.	ಲೀಸ್ ಡೀಡ್ ಪುಸ್ತಕ ಶುಲ್ಕ	ರೂ. 100/–
3.	ಪರಿಸರ ಸಂರಕ್ಷಣಾ ಶುಲ್ಕ ಪ್ರತಿ ಎಕರೆಗೆ ರೂ.34,008/–ರಂತೆ ಒಟ್ಟು 15–00 ಎಕರೆಗೆ ಒಟ್ಟು	ರೂ. 5,10,120/–
	ಒಟ್ಟು	ರೂ. 5,17,720/–

a. Letter of Intent ಆದೇಶ ಹೊರಡಿಸಿದ ಪ್ರದೇಶಕ್ಕೆ ಕೆ.ಎಂ.ಎಂ.ಸಿ.ಆರ್ ತಿದ್ದುಪಡಿ 2016ರ ನಿಯಮ ನಿಯಮ 31–T(12) ಪ್ರಕಾರ ಕ್ವಾರಿ ಪ್ಲಾನ್ ಸಲ್ಲಿಸಿ ಅನುಮೋದನೆ ಪಡೆಯುವುದು ಹಾಗೂ ಅನುಮೋದಿತ ಕ್ವಾರಿ ಪ್ಲಾನ್‌ಗೆ ಅನುಗುಣವಾಗಿ ಪರಿಸರ ವಿಮೋಚನಾ ಪತ್ರವನ್ನು (E.C) ಈ ಪತ್ರ ತಲುಪಿದ 3 ತಿಂಗಳೊಳಗೆ ಸಲ್ಲಿಸತಕ್ಕದ್ದು.

b. **Letter of Intent** ಆದೇಶ ಹೊರಡಿಸಿದ 3(ಮೂರು) ತಿಂಗಳೊಳಗಾಗಿ ಮೋಜಣಿ ಹಾಗೂ ಇನ್ನಿತರೆ ಮೇಲ್ಕಂಡ ಶುಲ್ಕಗಳನ್ನು ಪಾವತಿಸತಕ್ಕದ್ದು, ತಪ್ಪಿದಲ್ಲಿ ಕೆ.ಎಂ.ಎಂ.ಸಿ.ಆರ್–1994 ತಿದ್ದುಪಡಿ ನಿಯಮ 2016, ನಿಯಮ 31–T(13) ರಂತೆ ತಾವು ಸರ್ಕಾರಕ್ಕೆ ಭರಿಸಿರುವ ಭದ್ರತಾ ಠೇವಣಿ/ಇ.ಎಂ.ಡಿ ಮೊತ್ತವನ್ನು ಮುಟ್ಟುಗೋಲು ಹಾಕಿಕೊಳ್ಳಲಾಗುವುದು.

c. ಮರಳು ಗಣಿ ಗುತ್ತಿಗೆ ಪ್ರದೇಶದಲ್ಲಿ ನದಿ ಪಾತ್ರಕ್ಕೆ ಯಾವುದೇ ಧಕ್ಕೆಯಾಗದಂತೆ ಸೂಕ್ತ ಕ್ರಮ ಕೈಗೊಂಡು ನಿಯಮಾನುಸಾರ ಮರಳು ಗಣಿಗಾರಿಕೆ ಮಾಡತಕ್ಕದ್ದು.

d. ದಿನಾಂಕ:12–08–2016ರ ಕರ್ನಾಟಕ ಉಪಖನಿಜ ರಿಯಾಯಿತಿ ನಿಯಮ 1994 ತಿದ್ದುಪಡಿ ನಿಯಮ 2016ರ ನಿಯಮ 31–R(21) ಪ್ರಕಾರ ಮರಳು ಗಣಿ ಗುತ್ತಿಗೆಯನ್ನು ಗಣಿಗಾರಿಕೆ ನಿಷೇಧ ಅವಧಿಯನ್ನೊಳಗೊಂಡು (ಮಳೆಗಾಲ, ಪ್ರಕೃತಿ ವಿಕೋಪ, ನೆರೆ) 5, ವರ್ಷದ ಅವಧಿಗೆ ಬದ್ಧರಾಗಿರುವ ಷರತ್ತಿಗೊಳಪಟ್ಟು **Letter of Intent** ಆದೇಶವನ್ನು ಜಾರಿಮಾಡಿದೆ.

e. ಕರ್ನಾಟಕ ಉಪಖನಿಜ ರಿಯಾಯಿತಿ ನಿಯಮ 1994 ತಿದ್ದುಪಡಿ ನಿಯಮ 2016ರ ನಿಯಮ 31-R (21) ಪ್ರಕಾರ ಸದರಿ ಮರಳು ಗಣಿ ಗುತ್ತಿಗೆಯನ್ನು ಅವಧಿ ಮುಗಿದ ನಂತರ ನವೀಕರಣ ಮಾಡಲು ಅವಕಾಶವಿರುವುದಿಲ್ಲ.

f. ಕರ್ನಾಟಕ ಉಪಖನಿಜ ರಿಯಾಯಿತಿ ನಿಯಮ 1994 ತಿದ್ದುಪಡಿ ನಿಯಮ 2016ರ ನಿಯಮ 31-R (23) ರಂತೆ ಬೆಳಿಗ್ಗೆ 6 ರಿಂದ ಸಾಯಂಕಲ 6 ರ ವರೆಗೆ ಮಾತ್ರ ಮರಳು ಗಣಿಗಾರಿಕೆಯನ್ನು ಮಾಡಲು ಅವಕಾಶವಿದ್ದು, ತಪ್ಪಿದಲ್ಲಿ ಕೆ.ಎಂ.ಎಂ.ಸಿ.ಆರ್ 1994 ರಂತೆ ಸೂಕ್ತ ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗುವುದು.

g. ಕರ್ನಾಟಕ ಉಪ ಖನಿಜ ರಿಯಾಯಿತಿ ನಿಯಮಾವಳಿ, 1994ರ ತಿದ್ದುಪಡಿ ನಿಯಮ 2016ರ ನಿಯಮ 31-W(i) ರಂತೆ The Successful bidder shall submit **performance guarantee** which shall be equal to one fourth of the Royalty on permitted annual production quantity in advance in the form of bank guarantee, fixed deposit receipts or demand draft or any other manner as may be specified by the State government from time to time before execution of the lease. ಇದರಂತೆ ಮರಳು ಗಣಿ ಗುತ್ತಿಗೆ ಮಂಜೂರು ಮಾಡುವ ಪೂರ್ವದಲ್ಲಿ ನೀಡಬೇಕಾಗಿರುತ್ತದೆ.

h. ಕರ್ನಾಟಕ ಉಪ ಖನಿಜ ರಿಯಾಯಿತಿ ನಿಯಮಾವಳಿ, 1994ರ ತಿದ್ದುಪಡಿ ನಿಯಮ 2016ರ ನಿಯಮ 31-W(iv) ರಂತೆ The lessee shall produce and dispatch minimum fifty percent of the permitted Annual production quantity, and if he fails to achieve the same , he shall be liable to pay royalty and Additional Periodic payment as per the minium production and dispatch requirement of fifty percent of permitted anuual production quantity.

ಈ ಪತ್ರವನ್ನು ಕರ್ನಾಟಕ ಉಪಖನಿಜಗಳ ರಿಯಾಯಿತಿ ನಿಯಮಾವಳಿಗಳು 1994, ತಿದ್ದುಪಡಿ 2016ರ ನಿಯಮ 31-T(12) ರನ್ವಯ ಜಾರಿಗೊಳಿಸಲಾಗಿದೆ.

ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿ
ದಾವಣಗೆರೆ.

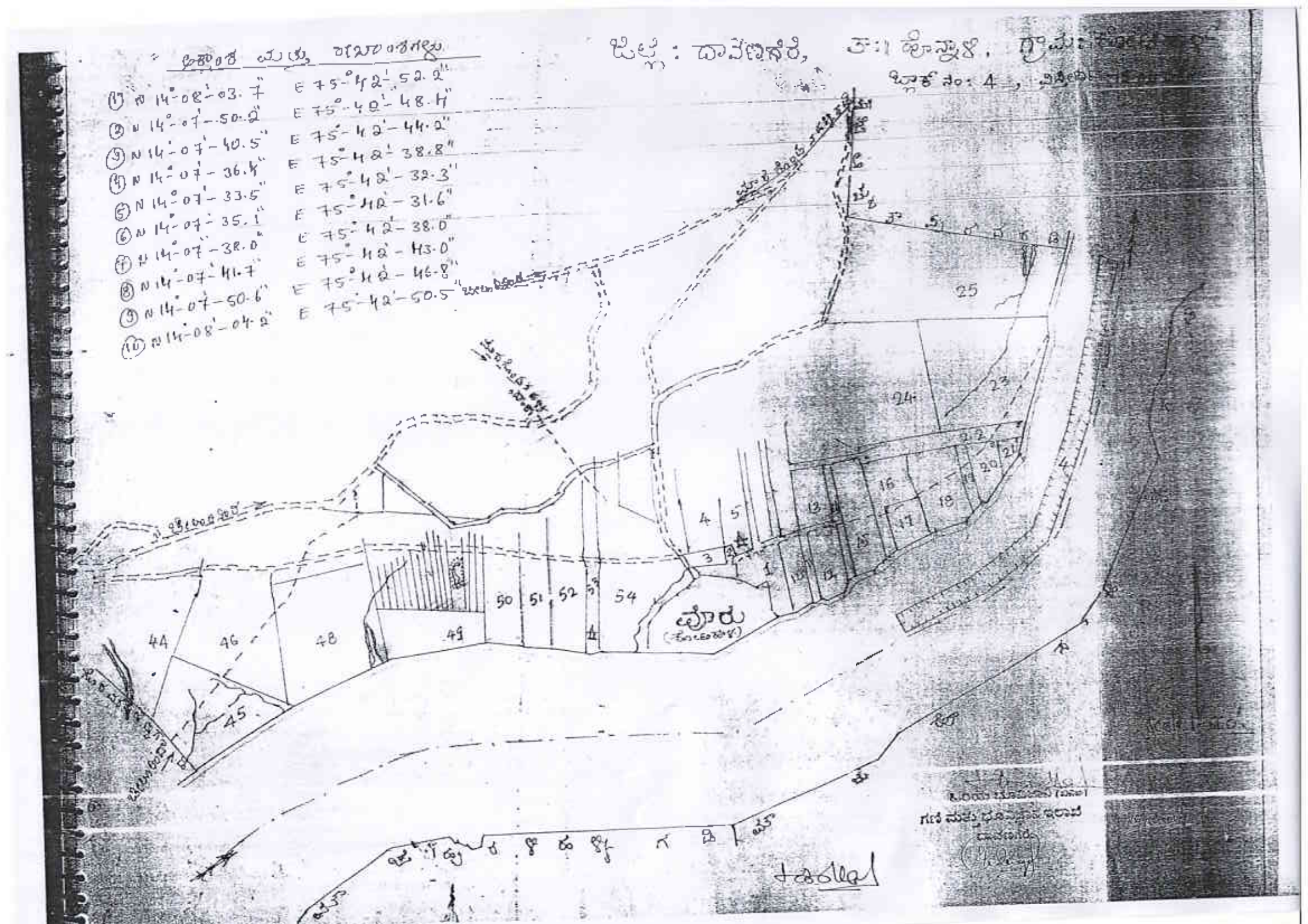
ಇವರಿಗೆ,
ಬಿ.ಜೆ.ಸುನೀಲ್ ಕುಮಾರ್
ಪ್ರೋ.ಮೆ।ಗ್ಲೋಬಲ್ ಮ್ಯಾನ್‌ಪವರ್ ಎಜೆನ್ಸಿ
ನೂತನ ಕಾಲೇಜು ಹತ್ತಿರ,
ಎಲ್.ಐ.ಸಿ. ಕಾಲೋನಿ, ದಾವಣಗೆರೆ-04

ಜಿಲ್ಲೆ : ದಾವಣಗೆರೆ, ತಾ: ಜಗಳೂರು, ಗ್ರಾಮ: ಕೊಡಿಯಾಲ

ಬ್ಲಾಕ್ ನಂ: 4, ವಿಸ್ತೀರ್ಣ: 15.0

ಹದ್ದುಬಸ್ತು ಮತ್ತು ಇತರೆ ವಿವರಗಳು

(1)	N 14°-08'-03.7"	E 75°-42'-52.2"
(2)	N 14°-07'-50.2"	E 75°-42'-48.4"
(3)	N 14°-07'-40.5"	E 75°-42'-44.2"
(4)	N 14°-07'-36.4"	E 75°-42'-38.8"
(5)	N 14°-07'-33.5"	E 75°-42'-32.3"
(6)	N 14°-07'-35.1"	E 75°-42'-31.6"
(7)	N 14°-07'-38.0"	E 75°-42'-38.0"
(8)	N 14°-07'-41.7"	E 75°-42'-43.0"
(9)	N 14°-07'-50.6"	E 75°-42'-46.8"
(10)	N 14°-08'-04.2"	E 75°-42'-50.5"



ANNEXURE - 2

आधार

AADHAAR

ಭಾರತ ಸರ್ಕಾರ
Unique Identification Authority of India
Government of India

ನಿಮ್ಮ ಆಧಾರ್ ಸಂಖ್ಯೆ / Your Aadhaar No. :

9749 0500 7025

ಆಧಾರ್ - ಶ್ರೀಸಾಮಾನ್ಯನ ಅಧಿಕಾರ

ಮಾಹಿತಿ

- ಆಧಾರ ಗುರುತಿನ ಪುರಾವೆಯಾಗಿದೆ, ಪೌರತ್ವದ ಪುರಾವೆಯಲ್ಲ.
- ನಿಮ್ಮ ಗುರುತನ್ನು ಆನ್‌ಲೈನ್‌ನಲ್ಲಿ ಆಧಾರ್ ಬಳಸಿ ದೃಢೀಕರಿಸಿ.

INFORMATION

- Aadhaar is proof of identity, not of citizenship
- To establish identity, authenticate online.

- ಆಧಾರ ದೇಶವ್ಯಾಪಿ ಮಾನ್ಯತೆಯನ್ನು ಪಡೆದಿದೆ
- ಭವಿಷ್ಯದಲ್ಲಿ ಸರ್ಕಾರಿ ಮತ್ತು ಸರ್ಕಾರೇತರ ಸೇವೆಗಳನ್ನು ಪಡೆಯಲು ಆಧಾರ್ ನಿಮಗೆ ಸಹಾಯಮಾಡುತ್ತದೆ
- Aadhaar is valid throughout the country
- Aadhaar will be helpful in availing Government and Non-Government services in future

ಆಧಾರ್ - ಶ್ರೀಸಾಮಾನ್ಯನ ಅಧಿಕಾರ

Unique Identification Authority of India

9749 0500 7025

9749 0500 7025

ANNEXURE - 3

GLOBAL ENVIRONMENT & MINING SERVICE
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3 rd Main Road, Basaveswara Badavane
HOSAPETE – 583201, Dist., Ballari (Karnataka)
Ph : +918394 229433,651111
e-mail : gems_hpt@yahoo.com
Website : www.globalmining.in

ANALYSIS REPORT OF AMBIENT AIR QUALITY DATA

1. Name of the Station : Kotehal Village (A1)
2. Name of the Project : Kotehal Sand Block(04) of B.J.Sunil Kumar
3. Sample Collected By : GLOBAL Environment & Mining Services, Hospet
4. Particulars of Sample Collected : Echotech AAS217 BL, APM 550 MINI
5. Report to be Sent : 10.04.2017
6. Report Number : GEMS/KSBBJSK/ 11/2017-18

Date of Monitoring	PM10 [µg/m^3]	PM2.5 [µg/m^3]	SO_2 [µg/m^3]	NOx [µg/m^3]
	IS : 5182: (Part 23) 2006	CPCB	IS : 5182: (Part 2) 2001 (RF 2012)	IS : 5182: (Part 6) 2006(RF 2012)
07.04.2017	42.8	07.02	6.22	8.14
Standard	100	60	80	80

Analysed by
Chemist

Verified by
Sr.Chemist

GLOBAL ENVIRONMENT & MINING SERVICE
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane
HOSPET – 583201, Dist., Bellary (Karnataka)
Ph : +918394 229433,651111
e-mail : gems_hpt@yahoo.com
Website : globalmining.in

AMBIENT NOISE LEVEL MONITORING REPORT

1. Name of the Project : Kotehal Sand Block(04) of B.J.Sunil Kumar
2. Sample Collected By : GLOBAL Environment & Mining Services
3. Particulars of Sample Collected : EQUINOX-EQ 107
4. Report to be Sent : 10.04.2017
5. Method Adopted : IS 9989 -1981Reaffirmed 2008
6. Report Number : GEMS/KSBBJSK/13/2017-18

Noise Level dB (A)

Sl.No	Sample Location	Location Code	Date of Sampling	Parameters		
				Min.	Max.	Leq
1	Core Zone Area	N1	07.04.2017	42.4	50.6	49.64
2	Kotehal Village	N2	08.04.2017	46.6	58.8	53.18

Analysed by
Chemist

Verified by
Sr.Chemist

GLOBAL ENVIRONMENT & MINING SERVICES
(Consulting Engineers, Mine designers, Geologist & Surveyor
3 rd Main Road, Basaveswara Badavane
HOSPET – 583201, Dist., Bellary (Karnataka)
Ph : +918394 229433,651111
e-mail : gems_hpt@yahoo.com
Website : globalmining.in

SURFACE WATER QUALITY DATA

Name of the Project	kotehal Sand Block(04) of B.J.SunilKumar	Date of Collection.	07.04.2017
Report to be Sent	10.04.2017	Date of Sample Receipt.	08.04.2017
Name of the Location	Water Samples collected from Tungabhadra River near Kotehal village		

Sl. No	Parameters	Unit	IS 10500 Norms		W_1	W_2
			Desirable	Permissible		
1	pH	-	6.5-8.5	No Relaxation	6.856	6.482
2	Temperature	^{o}C	-	-	28.2	27.6
3	Conductivity	µmhos/cm	-	-	190	210
4	Turbidity	in NTU	1	5	3.6	3.8
5	T. Dissolved Solids	mg/l	500	2000	120	130
6	T. Alkalinity as $CaCo_3$	mg/l	200	600	44.0	48.4
7	T. Hardness as $CaCo_3$	mg/l	200	600	64.2	70.0
8	Calcium as Ca	mg/l	75	200	15.4	16.0
9	Magnesium as Mg	mg/l	30	100	6.26	7.31
10	Iron as Fe	mg/l	0.3	No Relaxation	0.32	0.28
11	Sodium as Na	mg/l	-	-	15.84	16.22
12	Potassium as K	mg/l	-	-	4.12	4.86
13	Chlorides as Cl,	mg/l	250	1000	20.08	18.55
14	Sulphates as SO_4	mg/l	200	400	2.49	3.02
15	Nitrates as NO_3	mg/l	45	No Relaxation	2.22	2.64
16	Fluorides as F	mg/l	1.0	1.5	0.12	0.22
17	Dissolved Oxygen	mg/l	-	-	6.9	7.0
18	Biochemical Oxygen Demand (5 Days at $20^{0}C$)	mg/l	-	-	BDL	BDL
19	Chemical Oxygen Demand	mg/l	-	-	BDL	BDL

Name of the Location: W1: Up Stream, W2: Down Stream

Analysed by
Chemist

Verified by
Sr.Chemist

GLOBAL ENVIRONMENT & MINING SERVICES
(Consulting Engineers, Mine designers, Geologist & Surveyor
3rd Main Road, Basaveswara Badavane
HOSPET – 583201, Dist., Bellary (Karnataka)
Ph : +918394 229433,651111
e-mail : gems_hpt@yahoo.com
Website : globalmining.in

GROUND WATER QUALITY DATA

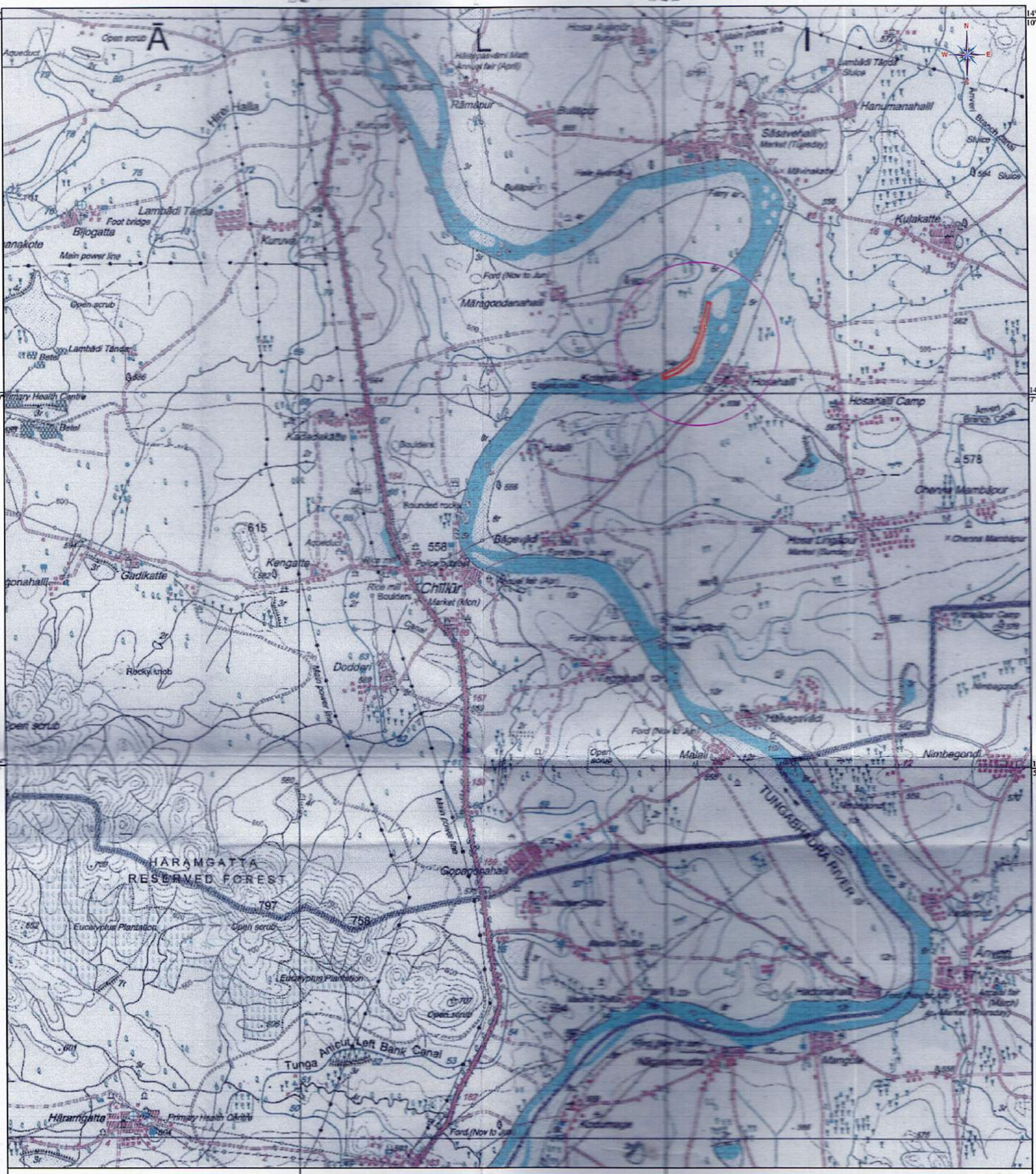
Name of the Project	Kotehal Sand Block(04)of B.J.Sunil Kumar	Date of Collection.	07.04.2017
Report to be Sent	10.04.2017	Date of Sample Receipt.	08.04.2017

Sl. No	Parameters	Unit	IS 10500 Norms		GW_1
			Desirable	Permissible	
1	pH	-	6.5-8.5	No Relaxation	7.261
2	Temperature	^oC	-	-	28.2
3	Conductivity	µmhos/cm	-	-	980
4	Turbidity	in NTU	1	5	0.20
5	T. Dissolved Solids	mg/l	500	2000	640
6	T. Alkalinity as $CaCo_3$	mg/l	200	600	362
7	T. Hardness as $CaCo_3$	mg/l	200	600	305.0
8	Calcium as Ca	mg/l	75	200	88.0
9	Magnesium as Mg	mg/l	30	100	14.58
10	Iron as Fe	mg/l	0.3	No Relaxation	0.18
11	Sodium as Na	mg/l	-	-	58.8
12	Potassium as K	mg/l	-	-	1.04
13	Chlorides as Cl,	mg/l	250	1000	182
14	Sulphates as SO_4	mg/l	200	400	55.2
15	Nitrates as NO_3	mg/l	45	No Relaxation	7.24
16	Fluorides as F	mg/l	1.0	1.5	0.64

Note: GW1: Kotehal Village,

Analysed by
Chemist

Verified by
Sr.Chemist



CONVENTIONAL SYMBOLS

Highway: with toll; with bridge; with distance stone
...metalled: according to importance
...double carriageway: according to importance
...ed road. Cart-track. Pack-track with pass. Foot-path
...with track in bed; undefined. Canal
...masonry or rock-filled; earthwork. Weir
...y with water channel; with island & rocks. Tidal river
...ed rocks. Shoal. Swamp. Reeds
...ed; unlined. Tube-well. Spring. Tanks: perennial; dry
...ments: road or rail; tank. Broken ground
..., broad gauge: double; single with station; under constrn.
..., other gauges: double; single with distance stone; do.
...ne or tramway. Kiln. Cutting with tunnel
...with sub-features. Rocky slopes. Cliffs
...tures:(1)flat. (2)sand-hills(permanent). (3)dunes(shifting)
...Villages: inhabited; deserted. Fort
...manent; temporary. Tower. Antiquities

Chhatri. Church. Mosque. Idgah. Tomb. Graves
...se. Lighthouse. Buoys: lighted; unlighted. Anchorage
...ts on trellis. Grass. Scrub
...almyra; other. Plantain. Conifer. Bamboo. Other trees
...divided: wooded. Surveyed tree
... International
...state: demarcated; undemarcated
...district; subdivision; tahsil or taluk; forest
...pillars: surveyed; unlocated
...triangulated: station; point; approximate
...ark: geodetic; tertiary; canal
...Telegraph office. Overhead tank
...se or Inspection bungalow. Circuit house. Police station
...ground. Forest: reserved; protected
...ames: administrative; locality or tribal
...Dispensary. Veterinary. Hospital / Dispensary
...Helipad. Tourist site
...with pylons surveyed; with poles unsurveyed

I N D E X

SAND LEASE BLOCK BOUNDARY

PLATE NO. 1

KOTEHAL SAND BLOCK

OF SRI. B J SUNIL KUMAR

in Tungabhadra River Bed Opposite to Sy. No's : 15,16,17 to 25

Kotehal Village, Honnali Taluk, Davangere District, Karnataka.

Title	KEY PLAN	Toposheet No. 48 N/12
Scale	1:50,000 RF	Extent : 15.00 Acres / BLOCK NO. : 04

Certified that the above plan is correct and the plan is prepared based on the lease map authenticated by the state government.

Dr. D.K. Gulkane
Key person

S.Kameswara Rao
Authorized Signatory

PREPARED BY :

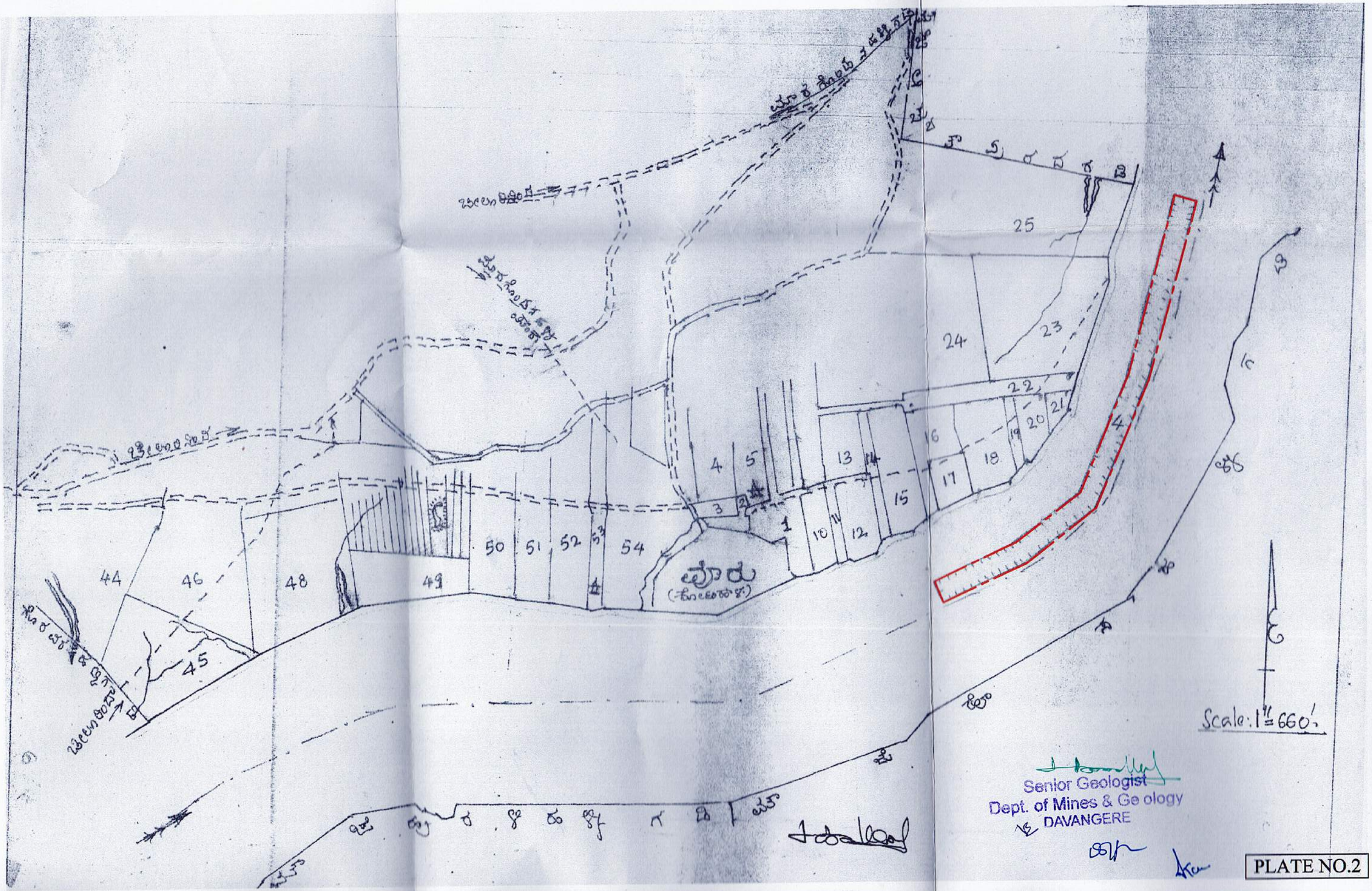
GLOBAL Environment & Mining Services
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane
Hospet - 583 201, Dist: Bellary, Karnataka, India.

Senior Geologist
Dept. of Mines & Geology
DAVANGERE

ಜಿಲ್ಲೆ : ದಾವಣಗೆರೆ
ಬ್ಲಾಕ್ ಸಂಖ್ಯೆ : 4

ತಾಲೂಕು : ಹೊನ್ನಾಳಿ

ಗ್ರಾಮ : ಕೋಟೆಹಾಳ್
ವಿಸ್ತೀರ್ಣ : 15 ಎಕರೆ



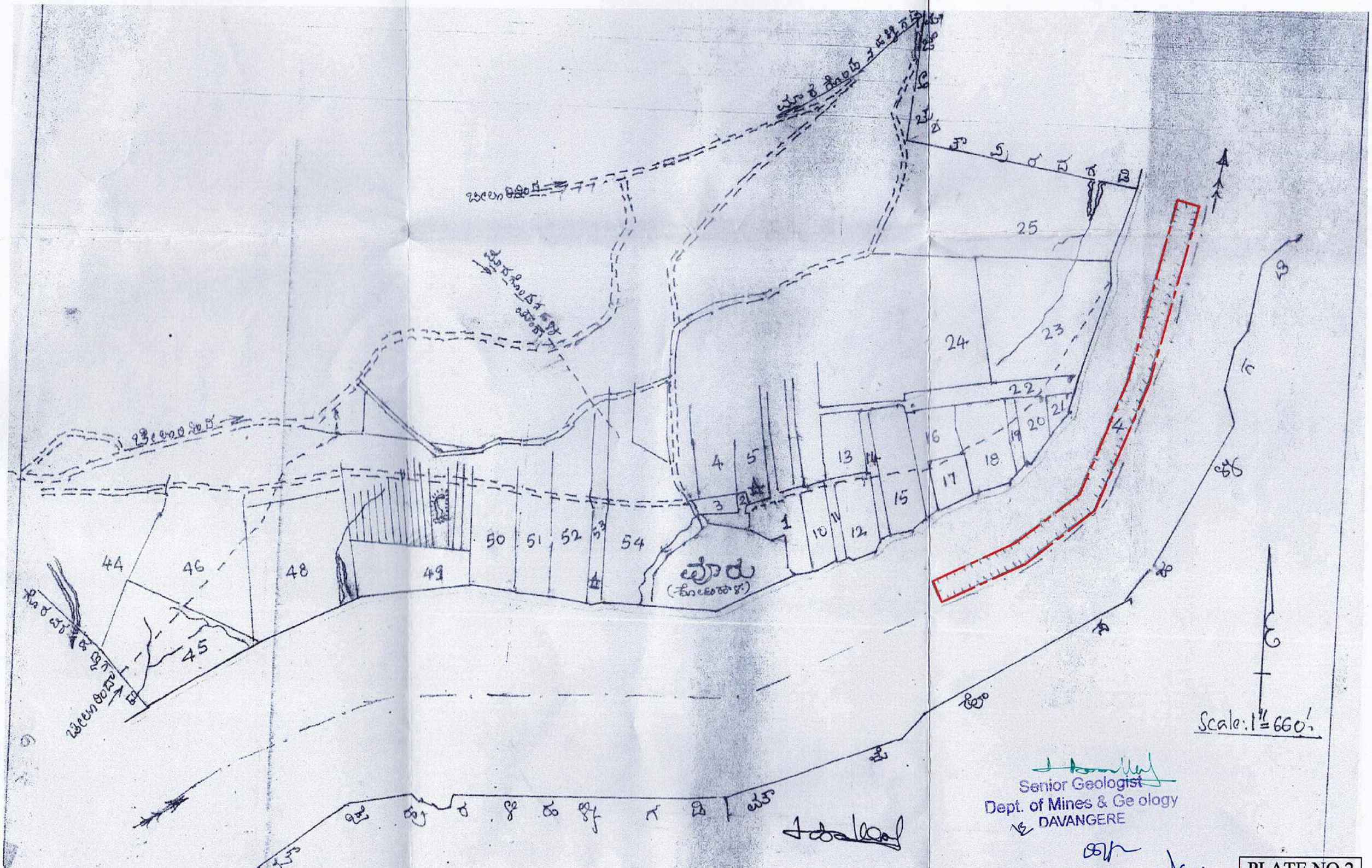
Senior Geologist
Dept. of Mines & Geology
DAVANGERE

PLATE NO.2

ಜಿಲ್ಲೆ : ದಾವಣಗೆರೆ
ಬ್ಲಾಕ್ ಸಂಖ್ಯೆ : 4

ತಾಲೂಕು : ಹೊನ್ನಾಳಿ

ಗ್ರಾಮ : ಕೋಟೆಹಾಳ್
ವಿಸ್ತೀರ್ಣ : 15 ಎಕರೆ



Senior Geologist
Dept. of Mines & Ge ology
DAVANGERE

PLATE NO.2

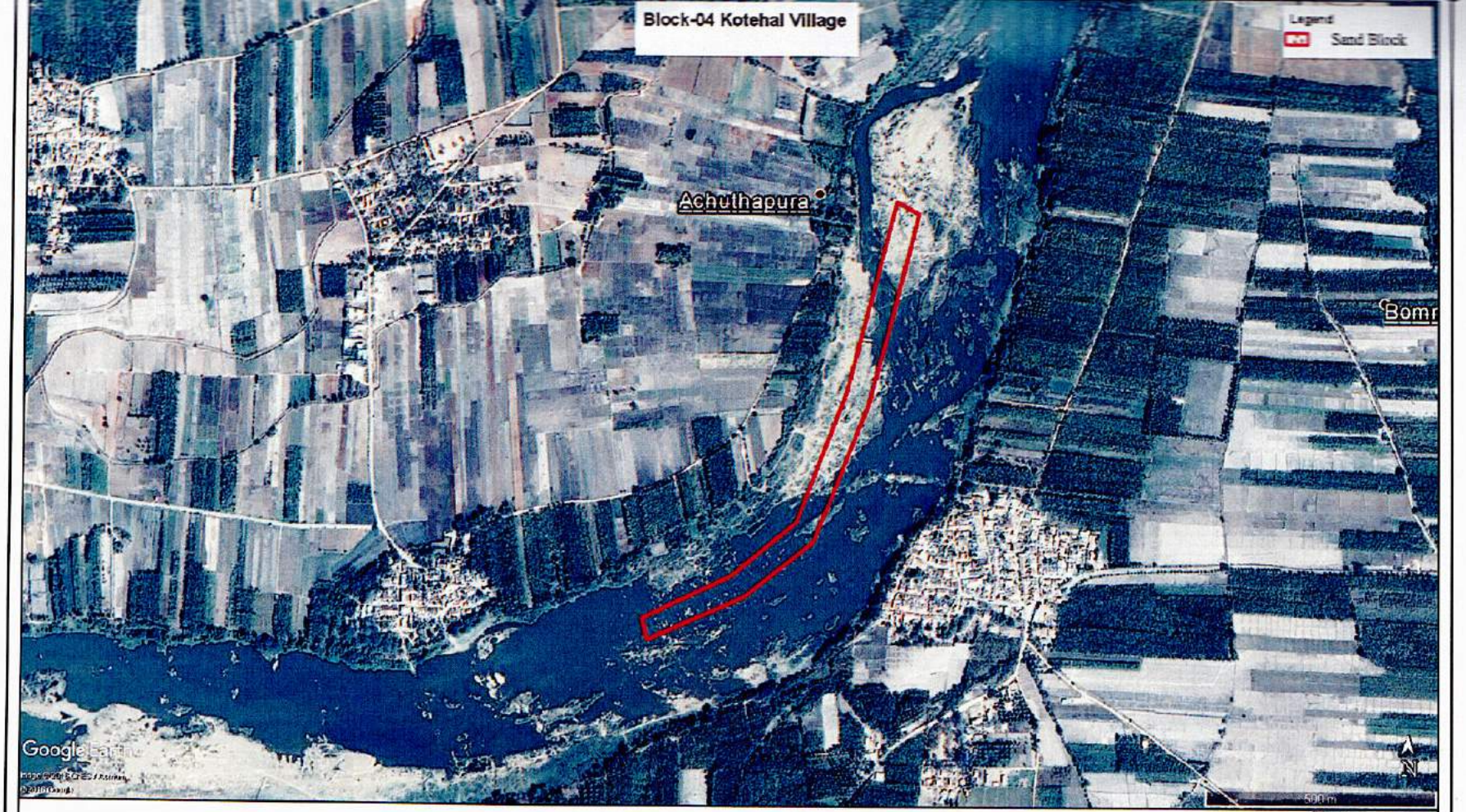


PLATE NO. 3

GPS READINGS OF BOUNDARY PILLARS
MAP DATUM - WGS84

Corner Points	Latitude	Longitude
1	14°08'03.7"N	75°42'52.2"E
2	14°07'50.2"N	75°42'48.4"E
3	14°07'40.5"N	75°42'44.2"E
4	14°07'36.4"N	75°42'38.8"E
5	14°07'33.5"N	75°42'32.3"E
6	14°07'35.1"N	75°42'31.6"E
7	14°07'38.0"N	75°42'38.0"E
8	14°07'41.7"N	75°42'43.0"E
9	14°07'50.6"N	75°42'46.8"E
10	14°08'04.2"N	75°42'50.5"E

KOTEHAL SAND BLOCK

OF SRI. B J SUNIL KUMAR

in Tungabhadra River Bed Opposite to Sy. No's : 15,16,17 to 25

Kotehal Village, Honnali Taluk, Davangere District, Karnataka.

Title	GOOGLE MAP		
Scale	NTS	Extent : 15.00 Acres	BLOCK NO. : 04

Certified that the above plan is correct and the plan is prepared based on the lease map authenticated by the state government.

Dr. D.N. Gulhane
Key person

S.Kameswara Rao
RQP/BNG/242/2007/B
Authorized Signatory

PREPARED BY:

GLOBAL Environment & Mining Services
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane
Hospet - 583 201, Dist: Bellary, Karnataka, India.

N

W E

S

GPS READINGS OF BOUNDARY PILLARS
MAP DATUM - WGS84

Corner Points	Latitude	Longitude
1	14°08'03.7"N	75°42'52.2"E
2	14°07'50.2"N	75°42'48.4"E
3	14°07'40.5"N	75°42'44.2"E
4	14°07'36.4"N	75°42'38.8"E
5	14°07'33.5"N	75°42'32.3"E
6	14°07'35.1"N	75°42'31.6"E
7	14°07'38.0"N	75°42'38.0"E
8	14°07'41.7"N	75°42'43.0"E
9	14°07'50.6"N	75°42'46.8"E
10	14°08'04.2"N	75°42'50.5"E

INDEX

- Sand Block Boundary
- 7.5m Safety Barrier
- Section line
- High Flood Level (HFL)
- 20 Survey Numbers
- River Sand

Senior Geologist
Dept. of Mines & Geology
DAVANGERE

PLATE NO. 4

KOTEHAL SAND BLOCK

OF SRI. B J SUNIL KUMAR

in Tungabhadra River Bed Opposite to Sy. No's : 15,16,17 to 25

Kotehal Village, Honnali Taluk, Davangere District, Karnataka.

Title	SURFACE PLAN		
Scale	1:2000 RF	Extent : 15.00 Acres	BLOCK NO. : 04

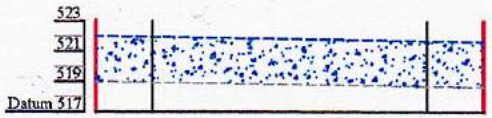
Certified that the above plan is correct and the plan is prepared based on the lease map authenticated by the state government.

Dr. D.N. Gulhane
Key person

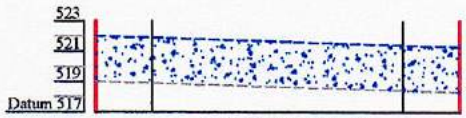
S.Kameswara Rao
RQP/BNG/242/2007/B
Authorized Signatory

PREPARED BY :

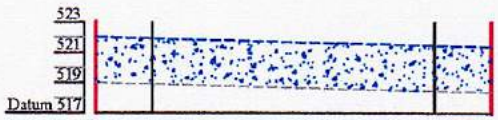
GLOBAL Environment & Mining Services
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane
Hospet - 583 201, Dist: Bellary, Karnataka, India.



SECTION ON C - C'



SECTION ON B - B'



SECTION ON A - A'

PLATE NO. 5

KOTEHAL SAND BLOCK

OF SRI. B J SUNIL KUMAR

in Tungabhadra River Bed Opposite to Sy. No's : 15,16,17 to 25

Kotehal Village, Honnali Taluk, Davangere District, Karnataka.

Title	GEOLOGICAL CROSS SECTIONS		
Scale	1:1000 RF	Extent : 15.00 Acres	BLOCK NO. : 04

Certified that the above plan is correct and the plan is prepared based on the lease map authenticated by the state government.

Dr. D.N. Gulhane
Key person

S.Kameswara Rao
Authorised Signatory

PREPARED BY :

GLOBAL Environment & Mining Services
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane
Hospet - 583 201, Dist: Bellary, Karnataka, India.

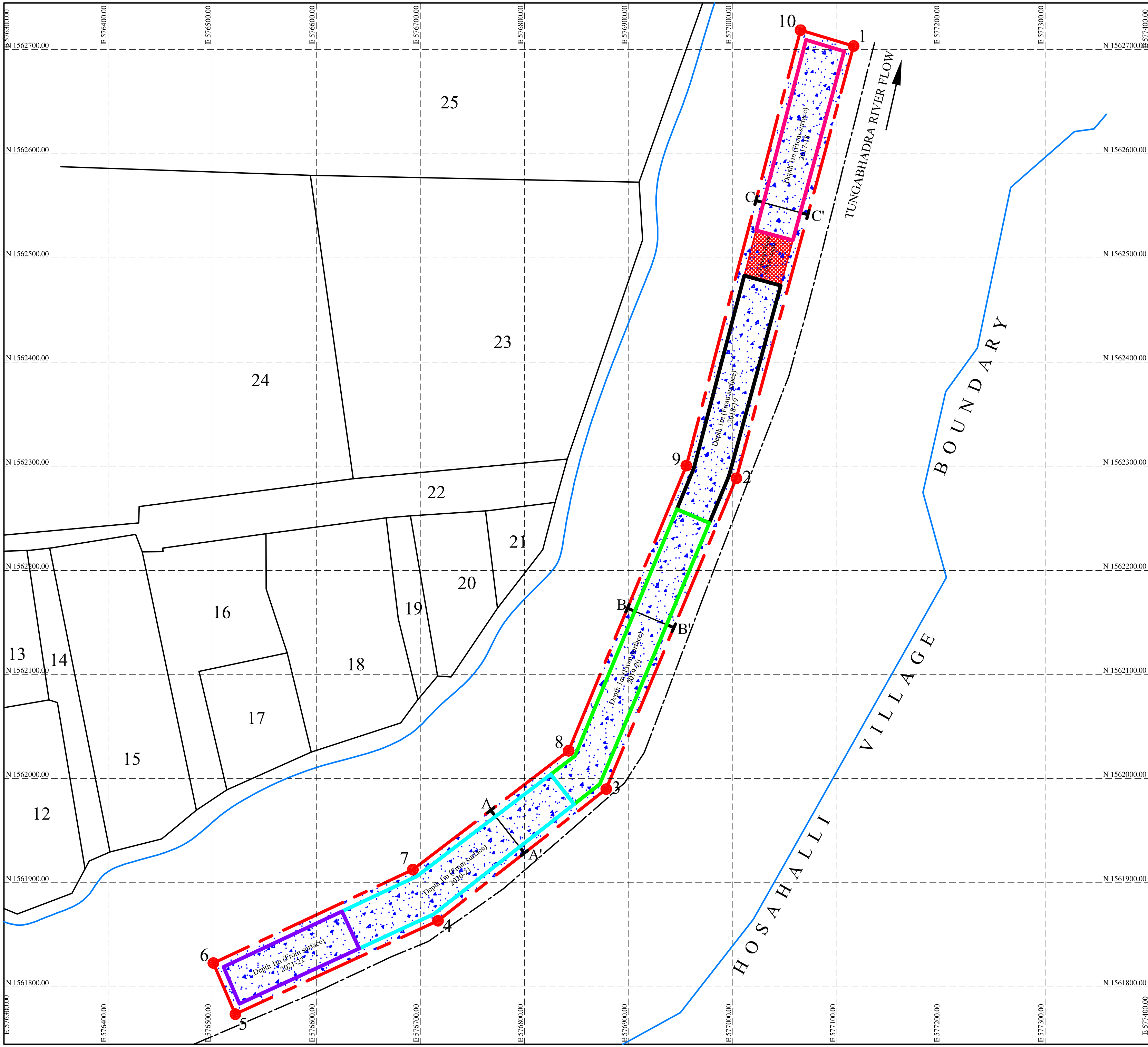
INDEX

- SAND BLOCK BOUNDARY
- 7.5m SAFETY BARRIER
- RIVER SAND

SCALE

Horizontal: 1cm = 10mts
Vertical : 1cm = 0.5mts

Senior Geologist
Dept. of Mines & Geology
DAVANGERE



INDEX

- Sand Block Boundary
- 7.5m Safety Barrier
- Section line
- High Flood Level (HFL)
- Survey Numbers
- River Sand
- Un-mined Block
- Pit Position at the end of 2017-18
- Pit Position at the end of 2018-19
- Pit Position at the end of 2019-20
- Pit Position at the end of 2020-21
- Pit Position at the end of 2021-22

Senior Geologist
Dept. of Mines & Geology
DAVANGERE

PLATE NO. 6

KOTEHAL SAND BLOCK

OF SRI. B J SUNIL KUMAR

in Tungabhadra River Bed Opposite to Sy. No's : 15,16,17 to 25

Kotehal Village, Honnali Taluk, Davangere District, Karnataka.

Title	PRODUCTION & DEVELOPMENT PLAN		
Scale	1:2000 RF	Extent : 15.00 Acres	BLOCK NO. : 04

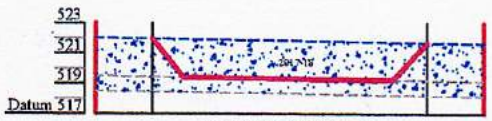
Certified that the above plan is correct and the plan is prepared based on the lease map authenticated by the state government.

Dr. D.N. Gulhane
Key person

S.Kameswara Rao
RQP/BNG/242/2007/B
Authorized Signatory

PREPARED BY :

GLOBAL Environment & Mining Services
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane
Hospet - 583 201, Dist: Bellary, Karnataka, India.



SECTION ON C - C'

SECTION ON B - B'

SECTION ON A - A'

PLATE NO. 7

KOTEHAL SAND BLOCK

OF SRL B J SUNIL KUMAR

in Tungabhadra River Bed Opposite to Sy. No's : 15,16,17 to 25

Kotehal Village, Honnali Taluk, Davangere District, Karnataka.

Title	PRODUCTION & DEVELOPMENT SECTIONS		
Scale	1:1000 RF	Extent : 15.00 Acres	BLOCK NO. : 04

Certified that the above plan is correct and the plan is prepared based on the lease map authenticated by the state government.

Dr. D.N. Gulhane
Key person

Sri Kameswara Rao
Authorised Signatory

PREPARED BY :

GLOBAL Environment & Mining Services
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane
Hospet - 583 201, Dist: Bellary, Karnataka, India.

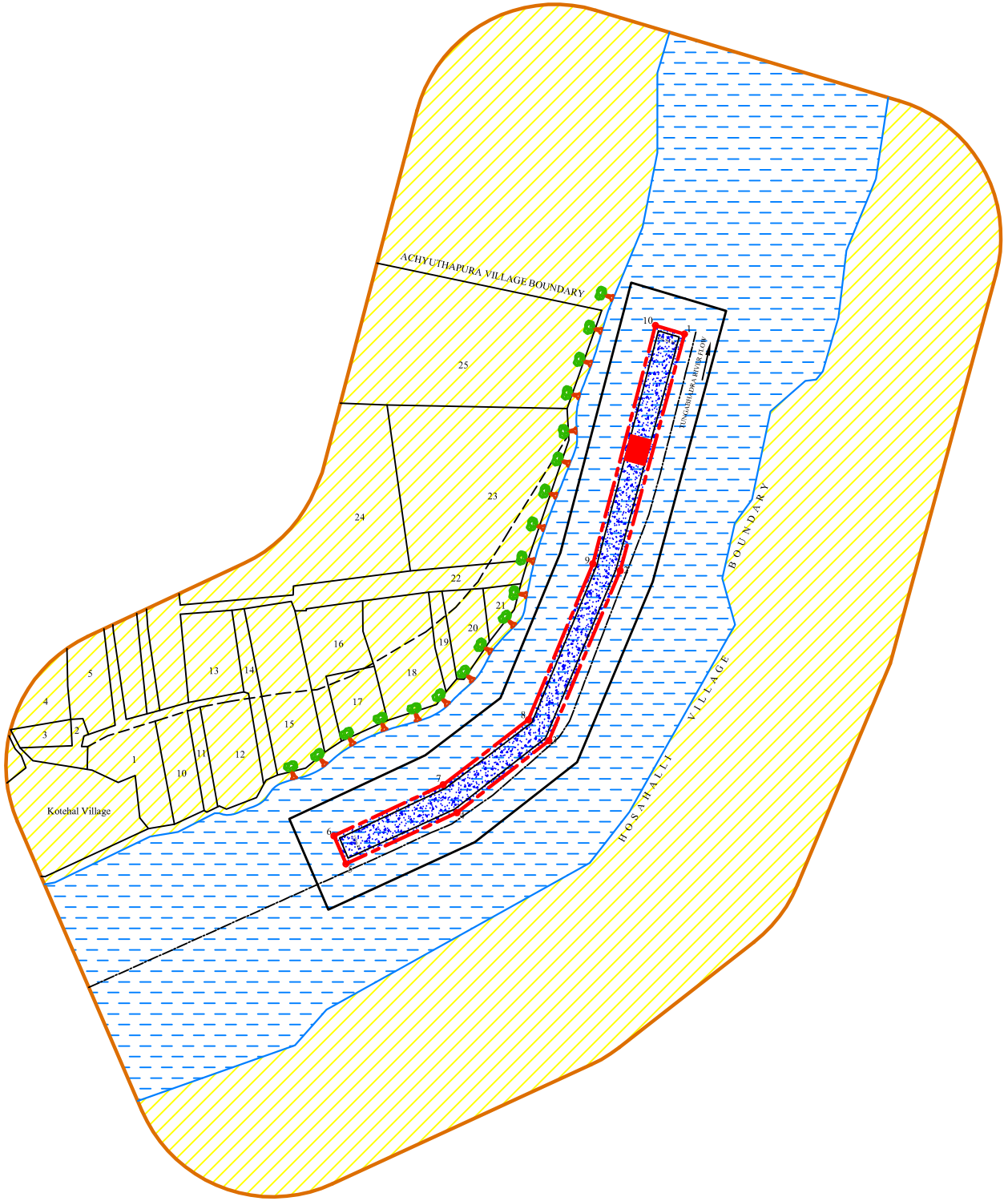
INDEX

- SAND BLOCK BOUNDARY
- 7.5m SAFETY BARRIER
- RIVER SAND
- PIT POSITION AT THE END OF 2017-18
- PIT POSITION AT THE END OF 2019-20
- PIT POSITION AT THE END OF 2020-21

SCALE

Horizontal: 1cm = 10mts
Vertical : 1cm = 0.5mts

Senior Geologist
Dept. of Mines & Geology
DAVANGERE



INDEX

- SAND BLOCK BOUNDARY
- 7.5m SAFETY BARRIER
- 60m LIMIT LINE
- 500m LIMIT LINE
- REVENUE LAND
- TUNGABHADRA RIVER BANK
- PROPOSED PLANTATION
- 40 SURVEY NUMBERS
- RIVER SAND
- UN-MINED BLOCKED

Senior Geologist
Dept. of Mines & Geology
DAVANGERE

PLATE NO. 8

KOTEHAL SAND BLOCK

OF SRI. B J SUNIL KUMAR

in Tungabhadra River Bed Opposite to Sy. No's : 15,16,17 to 25

Kotehal Village, Honnali Taluk, Davangere District, Karnataka.

Title	ENVIRONMENT PLAN		
Scale	1:5000 RF	Extent : 15.00 Acres	BLOCK NO. : 04

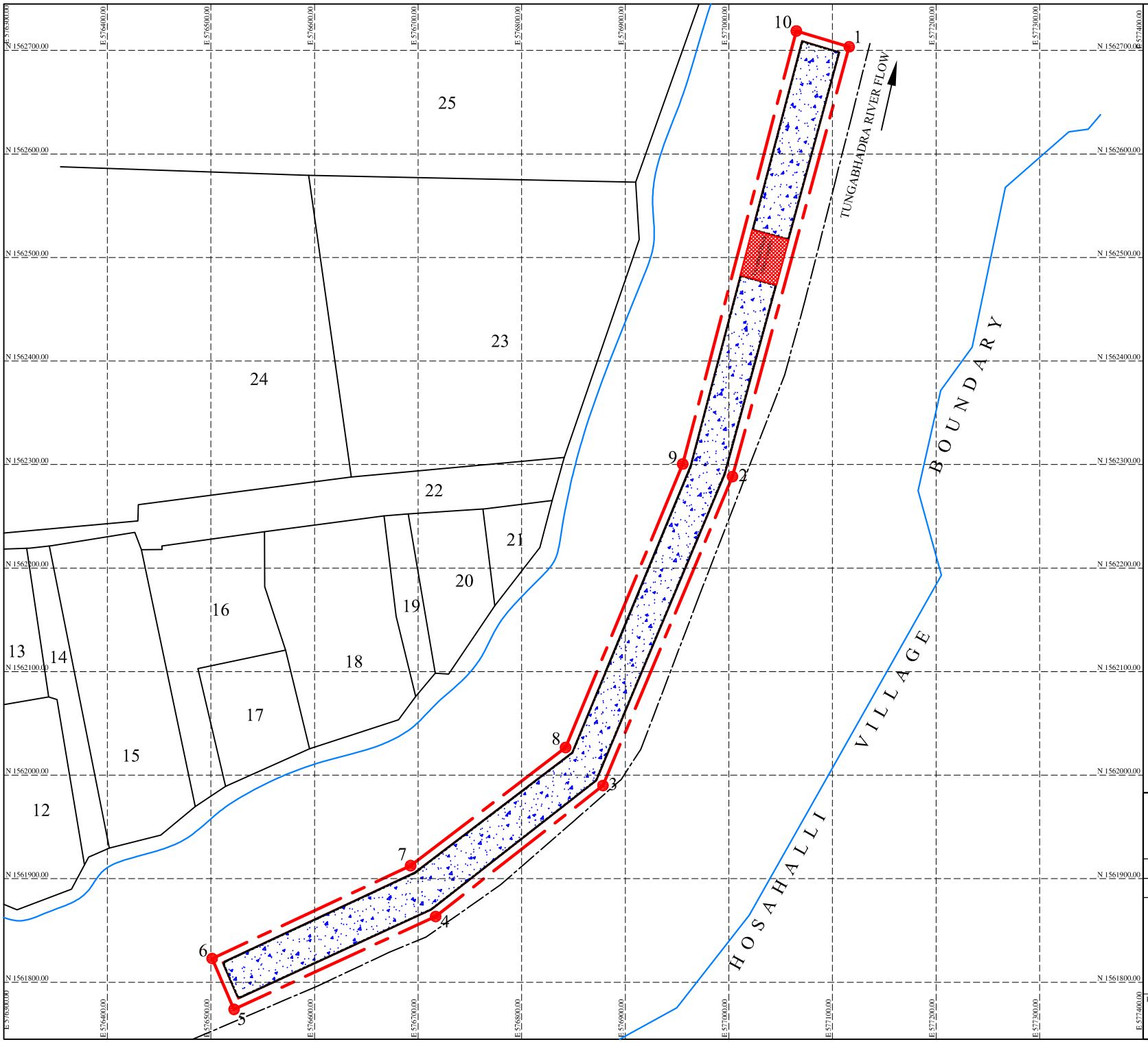
Certified that the above sections are correct and the plan is prepared based on the lease map authenticated by the state government.

Dr. D.N. Gulhane
Key person

S.Kameswara Rao
RQP/BNG/242/2005B
Authorized Signatory

PREPARED BY :

GLOBAL Environment & Mining Services
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane
Hospet - 583 201, Dist: Bellary, Karnataka, India.



N

W E

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Scale:- 1cm=50m

LANDUSE AT THE END OF V-YEAR(Acres)

PARTICULARS	AREA IN Acres.
AREA FOR SAND QUARRYING	10.10
AREA FOR SAFETY BARRIER	4.40
UN-MINED BLOCK	0.50
TOTAL LEASE AREA	**15.00**

INDEX

- Sand Block Boundary
- 7.5m Safety Barrier
- Section line
- High Flood Level (HFL)
- 20 Survey Numbers
- Un-mined Block

Senior Geologist
Dept. of Mines & Geology
DAVANGERE

PLATE NO. 9

KOTEHAL SAND BLOCK

OF SRI. B J SUNIL KUMAR

in Tungabhadra River Bed Opposite to Sy. No's : 15,16,17 to 25

Kotehal Village, Honnali Taluk, Davangere District, Karnataka.

Title	PROGRESSIVE QUARRY CLOUSER PLAN		
Scale	1:2000 RF	Extent : 15.00 Acres	BLOCK NO. : 04

Certified that the above plan is correct and the plan is prepared based on the lease map authenticated by the state government.

Dr. D.N. Gulhane
Key person

S.Kameswara Rao
RQP/BNG/242/2007/B
Authorized Signatory

PREPARED BY :
GLOBAL Environment & Mining Services
(Consulting Engineers, Mine designers, Geologist & Surveyors)
3rd Main Road, Basaveswara Badavane
Hospet - 583 201, Dist: Bellary, Karnataka, India.

ಗ್ರಾಮ ಕೋಟೆಹಾಳು

ಹೋಬಳಿ ಹೊನ್ನಾಳಿ

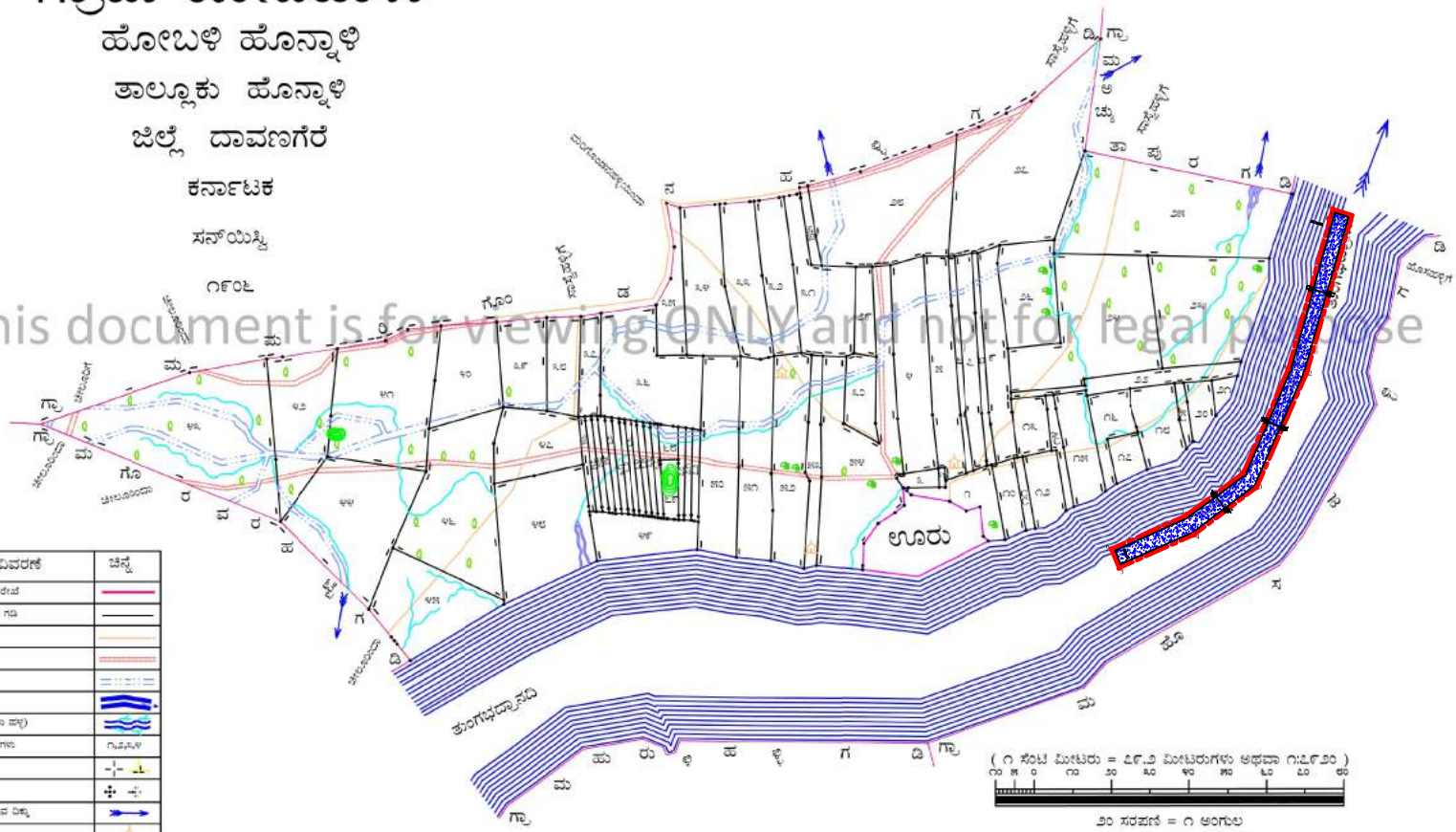
ತಾಲ್ಲೂಕು ಹೊನ್ನಾಳಿ

ಜಿಲ್ಲೆ ದಾವಣಗೆರೆ

ಕರ್ನಾಟಕ

ಸನ್‌ಯಿಸ್ಸಿ

೧೯೦೬



ವಿವರಣೆ	ಚಿನ್ಹೆ
ಗ್ರಾಮದ ಗಡಿ ರೇಖೆ	
ಸರ್ವೆ ನಂಬರು ಗಡಿ	
ಕಾಲು ದಾರಿ	
ಬಂಡಿ ದಾರಿ	
ನಾಲಾ	
ಕಟ್ಟೆ	
ಹಳ್ಳ (ಕೊರತೆಯು ಹಳ್ಳ)	
ಸರ್ವೆ ನಂಬರುಗಳು	೧೩೫/೫
ಬಾವಿಗಳು	
ಕಲ್ಲುಗಣಿ	
ನೀರು ಹರಿಯುವ ದಿಕ್ಕು	
ದೇವಸ್ಥಾನ	
ಬೇವಿನ ಮರಗಳು	
ಇತರೆ (ಕುರುಚಲು) ಗಿಡಗಳು	

(೧ ಸೆಂಟಿ ಮೀಟರು = ೭೯.೨ ಮೀಟರುಗಳು ಅಥವಾ ೧:೭೯೨೦)

೨೦ ಸರಪಣಿ = ೧ ಅಂಗುಲ

೧ ಸರಪಣಿ = ೩೩ ಅಡಿಗಳು

ಭೂಮಾಪನ ಆಯುಕ್ತರ ಪ್ರಧಾನ ಕಛೇರಿಯಲ್ಲಿ ತಯಾರಿಸಿದ್ದು ಸನ್‌ಯಿಸ್ಸಿ

ಬೆಂಗಳೂರು ೧೯೭೧

ಈ ಗ್ರಾಮದ ಆಕ್ಟೈರು ನಂಬರು ಇರುತ್ತದೆ

೭೨

ಠೀ ಸರ್ವೆ ಸಕಾಶೆ

(೨ ನೇ ಠೀ ಕ್ಲಾಸಿಫ್ಲಿಕೇಷನ್ ಪ್ರಕಾರ ೧೯೬೧)

ಆಯುಕ್ತರ ಪರವಾಗಿ

ಭೂಮಾಪನ ಕಂದಾಯ ವ್ಯವಸ್ಥೆ ಮತ್ತು

ಭೂದಾಖಲೆಗಳ ಇಲಾಖೆ, ಬೆಂಗಳೂರು

ಕ್ರಯ ರೂಪಾಯಿ :

ಗಣಕೀಕೃತ ನಕ್ಷೆ ತಯಾರಿಸಿದವರು:

ಕರ್ನಾಟಕ ರಾಜ್ಯ ದೂರ ಸಂವೇದಿ ಅನ್ವಯಿಕ ಕೇಂದ್ರ

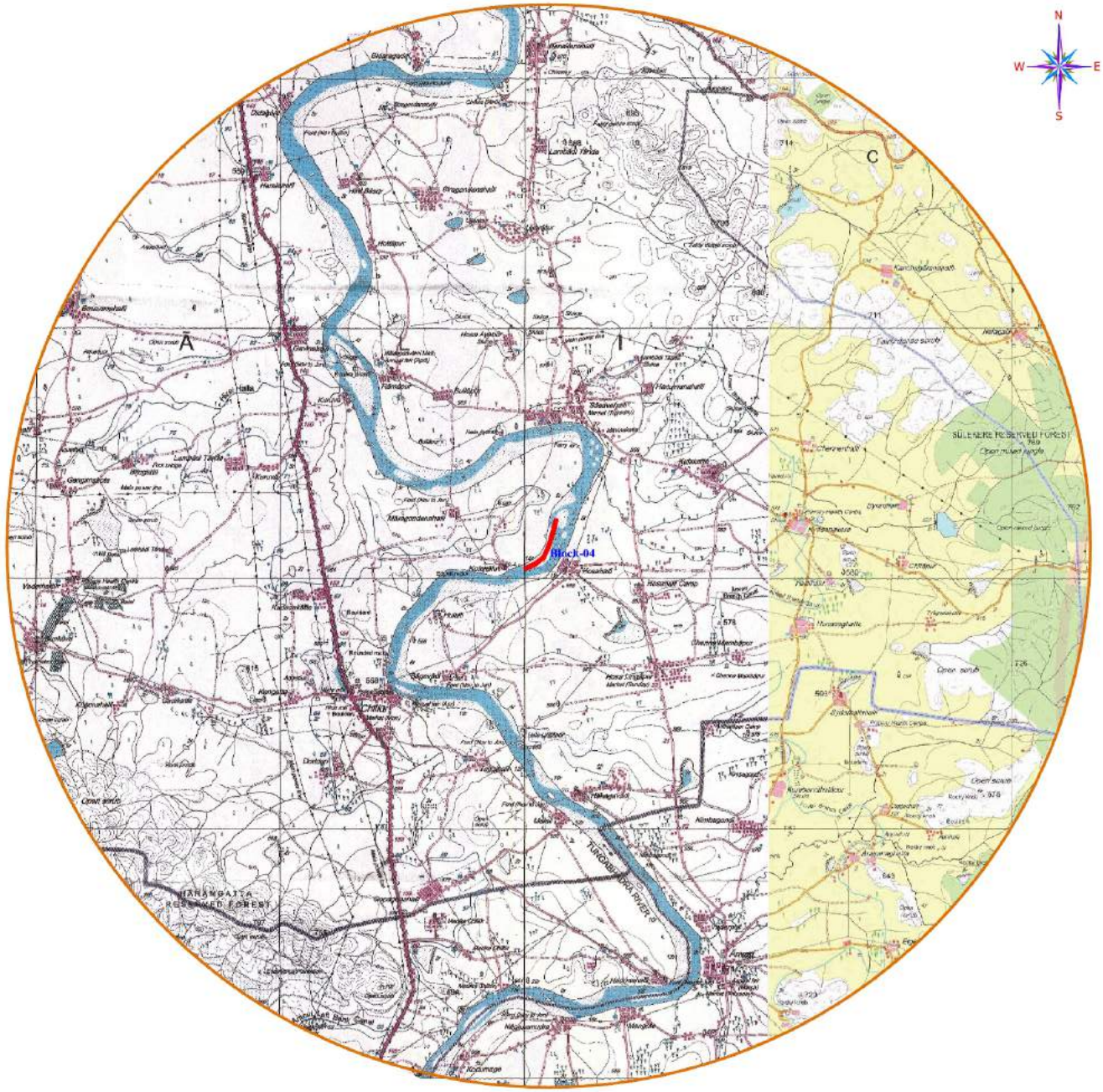
ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ ಮತ್ತು ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ

ಕರ್ನಾಟಕ ಸರ್ಕಾರ, ಬೆಂಗಳೂರು

ಮೂಲನಕ್ಷೆ ತಯಾರಿಸಿದವರು ಮತ್ತು ಒದಗಿಸಿದವರು:

ಭೂಮಾಪನ ಕಂದಾಯ ವ್ಯವಸ್ಥೆ ಮತ್ತು ಭೂದಾಖಲೆಗಳ ಇಲಾಖೆ

ಕರ್ನಾಟಕ ಸರ್ಕಾರ



CONVENTIONAL SYMBOLS

INDEX

SAND BLOCK BOUNDARY

10 km RADIUS

KOTEHAL SAND BLOCK

OF SRI. B J SUNIL KUMAR

in Tungabhadra River Bed Opposite to Sy. No's : 15,16,17 to 25

Kotehal Village, Honnali Taluk, Davangere District, Karnataka.

Title	TOPOSHEET MAP	Toposheet No. 48 N/12	
Scale	1:50,000 RF	Extent : 15.00 Acres	BLOCK NO. : 04

Certified that the above plan is correct and the plan is prepared based on the lease map authenticated by the state government.

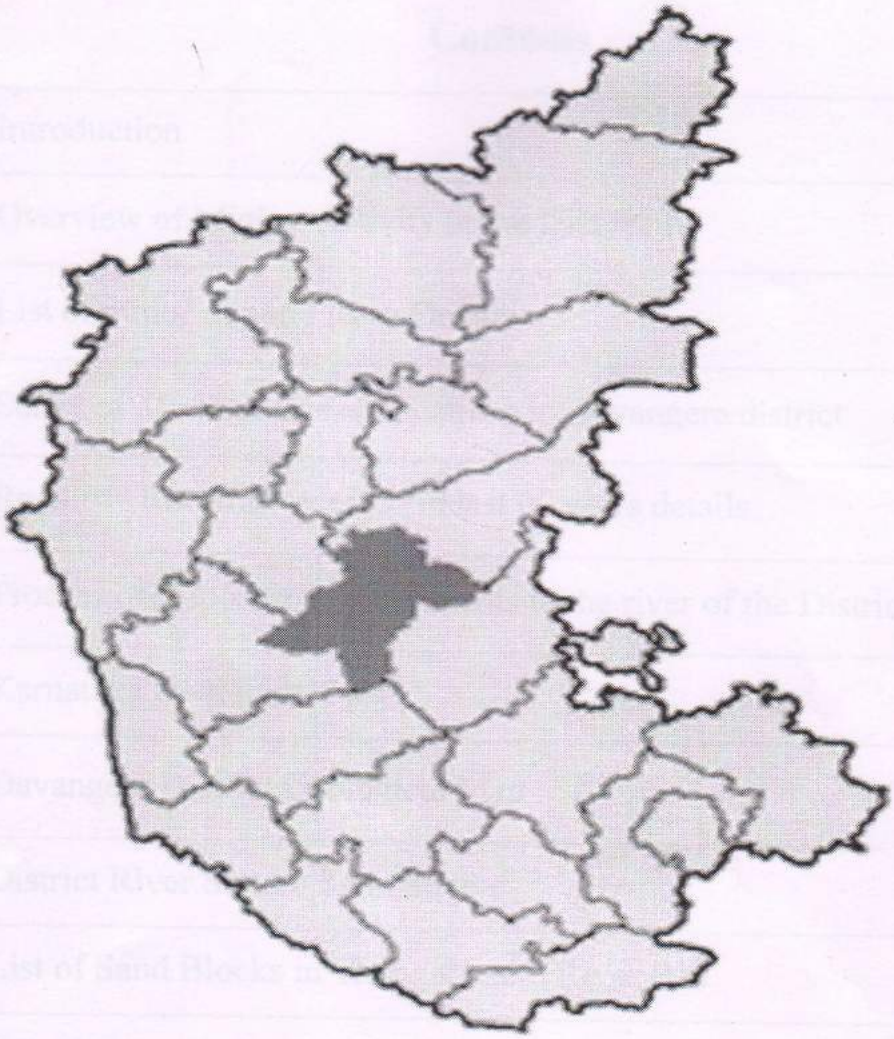
Dr. D.N. Gulhane
Key person

S.Kameswara Rao
RQP/MINES/102/2018
Authorised Signatory

PREPARED BY :

GLOBAL Environment & Mining Services
(Consulting Engineers, Mine developers, Geologists & Surveyors)
3rd Main Road, Basaveswara Extension
Hospet - 583 201, Dist. Bellary, Karnataka, India.

District Mineral Survey Report :



DISTRICT LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (DEIAA)

DAVANGERE DISTRICT

DISTRICT MINERAL SURVEY REPORT

Introduction :

Davanagere District is an administrative district of Karnataka state in India. The district occupies an area of 5,926 km². Before declaring the Davangere as an individual District, present Davangere District Talukas were joined with Shimoga, Bellary and Chitradurga District. During 1997 Davanagere district was formed whose headquarter is Davanagere, came into existence. Present Davangere District is comprises following 6 taluks namely Channagiri, Honnali, Harihara, Davanagere, Harapanahalli & Jagalur. The western part of the district boundary is adjoined by Haveri district, north-eastern part is adjoined by Bellary district and Chitradurga Districts and South Western part of the district is adjoined by Chikkamagalur and Shivamogga districts. The district is slightly elevated, sloped, gently sloped and formed by plain lands. Intersected by hills and river valley. A range of hills extended from south to north direction and Davangere Water shed basin is comes under basin of Krishna and sub basin of Thungabhadra. The principal major river is Thungabhadra River flows in western part of the district runs around 122 km in Davangere district. The mineral wealth is concerned the major minerals occurred in the district is manganese, Iron ore, quartz and white quartz which are now classified as a minor minerals, which are presently working mineral sources in Davangere District. The manganese ore occurs in large quantity all along the hill side in the north eastern part of Davangere Taluk and the building stone is available abundantly in all taluks, except Harihara. Whereas major part of building stone mineral is occurred in Harapanahalli, Davangere, Channagiri, Jagalur and Honnali Taluks respectively in the order of abundance.

- Manganese is the major mineral available in the district.
- White quartz and Fuchsite quartzite (green quartz) minerals are also available in Harapanahalli, Honnali and Channagiri taluks which is now classified as in minor menial.
- The chemical composition of naturally occurring Manganese ore is as follows:- Above 35-40%, size 18-20%, feet 12-15% meter 15-20% H_20 10-11%.
- Davangere district is situated in the center part of Karnataka State. Adjoining with Chitradurga, Bellary, Haveri, Shivamogga and Chikkamagaluru district.

Over view of the Mining Activities in the District:

The Davangere District is comes right on the archaean complex and the geology of the area is fairly simple. The rock formations belonging to the archaean types are composed of crystalline granitic gneisses, granites and crystalline schist's. Apart from these minerals the associated rock types are also occurred as patches here and there and many of these rock types are highly metamorphosed, biggest of these schist rocks, the schist rocks are existed in Honnali, Channagiri, Harapanahalli and Jaglur areas. Major part of the district is covered by granite and granitic gneisses which belongs to the Archaean-age in stratigraphy.

- The schist formation occurred and passes on Channagiri, Honnali, Jaglur and in Harapanahalli taluks.
- The major portion of the district is covered by granite and granitic gneiss.

Mining activity in Davangere district is as follows: In this district the major mineral leases are Iron ore, manganese and molding sand, existed in aglur, Davangere and Harihara taluks in Davangere District. The details of the mining leases are as follows:

List of major mineral mining lease Details

Sl no	Taluk	Mineral	Village/ Location	Acre- Gunta
1	Davanagere	Manganese	Hulikatte	32-23
2	Davanagere	Manganese	Hulikatte	32-31
3	Jagaluru	Iron ore	Marenahalli	38-46
4	Harihara	Moulding Sand	Halasabalu	28-34
5	Harihara	Moulding Sand	Chikabidari	52-63
6	Harihara	Moulding Sand	Guttur	10-52
7	Harihara	Moulding Sand	Guttur	16-19
8	Harihara	Moulding Sand	Bilasanuru	48-60
9	Harihara	Moulding Sand	Sarathihalli	12-15
10	Harihara	Moulding Sand	Rajanahalli	18-61
11	Harihara	Moulding Sand	Rajanahalli	25-49

List of minor mineral (Building Stone) Lease Details

Sl no	Taluk	QL no	Mineral	Village/ Location	Sy No	A	G	Date of grant	Period
1	Harapanahalli	2277	white quartz	Machihalli	353/1	8	62	20/07/2000	20 years
2	Honnali	1964	white quartz	Kengantte	49	16	19	22/07/2000	20 years
3	Davanagere	61	Building Stone	Hebbal	144 &145	12	00	16/9/2014	5 years
4	Davanagere	63	Building Stone	Chattobanahalli	24/2	3	00	04/09/2015	5 years
5	Davanagere	64	Building Stone	Chattobanahalli	24/2	1	20	04/09/2015	5 years
6	Davanagere	65	Building Stone	Kurki	120	1	20	04/09/2015	5 years
7	Davanagere	75	Building Stone	Hebburu	24/AP5	1	00	13/10/2015	5 years
8	Davanagere	76	Building Stone	Hebbal	148	10	00	13/10/2015	5 years
9	Jagaluru	58	Building Stone	Donnehalli	221	5	00	12/10/2013	5 years
10	Channagiri	591	Building Stone	Doddabbigere	71	0	75	25/07/2009	5 years
11	Channagiri	592	Building Stone	Doddabbigere	71	0	50	25/07/2009	5 years
12	Channagiri	593	Building Stone	Doddabbigere	71	0	25	25/07/2009	5 years
13	Channagiri	594	Building Stone	Doddabbigere	71	0	50	25/07/2009	5 years

14	Channagiri	595	Building Stone	Doddabbigere	71	1	00	25/07/2009	5 years
15	Channagiri	596	Building Stone	Doddabbigere	71	0	50	08/03/2009	5 years
16	Channagiri	597	Building Stone	Doddabbigere	60	0	25	25/7/2009	5 years
17	Channagiri	604	Building Stone	Doddabbigere	71	0	50	07/8/2009	5 years
18	Channagiri	606	Building Stone	Doddabbigere	59	0	50	10/8/2009	5 years
19	Channagiri	608	Building Stone	Doddabbigere	60	0	25	10/8/2009	5 years
20	Channagiri	609	Building Stone	Doddabbigere	60	0	50	10/8/2009	5 years
21	Channagiri	610	Building Stone	Doddabbigere	60	0	25	10/8/2009	5 years
22	Channagiri	612	Building Stone	Doddabbigere	59	0	50	13/8/2009	5 years
23	Channagiri	613	Building Stone	Doddabbigere	59	0	50	13/8/2009	5 years
24	Channagiri	614	Building Stone	Doddabbigere	60	0	50	13/8/2009	5 years
25	Channagiri	618	Building Stone	Doddabbigere	60	0	15	25/8/2009	5 years
26	Channagiri	619	Building Stone	Doddabbigere	71	0	50	29/8/2009	5 years
27	Channagiri	620	Building Stone	Doddabbigere	60,71	0	50	29/8/2009	5 years

28	Channagiri	621	Building Stone	Doddabbigere	60	0	50	29/8/2009	5 years
29	Channagiri	627	Building Stone	Doddabbigere	59	0	50	05/09/2009	5 years
30	Channagiri	628	Building Stone	Doddabbigere	60	0	50	05/09/2009	5 years
31	Channagiri	629	Building Stone	Doddabbigere	60	0	25	05/09/2009	5 years
32	Channagiri	634	Building Stone	Mavinahole	10	2	00	05/10/2009	5 years
33	Channagiri	32	Building Stone	Hanumalapura	09	1	00	05/04/2011	5 years
34	Channagiri	43	Building Stone	Doddabbigere	59	0	50	09/12/2009	5 years
35	Channagiri	51	Building Stone	Doddabbigere	59/P1	0	50	13/02/2012	5 years
36	Channagiri	52	Building Stone	Doddabbigere	71	0	50	13/02/2012	5 years
37	Channagiri	53	Building Stone	Doddabbigere	59/P1	0	40	02/15/2012	5 years
38	Channagiri	55	Building Stone	Doddabbigere	71	1	00	12/03/2012	5 years
39	Honnali	598	Building Stone	Arundi	101	1	00	25/07/2009	5 years
40	Honnali	57	Building Stone	Jeenahalli	85/1A	1	00	12/11/2013	5 years
41	Honnali	62	Building Stone	Soraturu	87/5 & 87/8	3	00	7/6/2014	5 years
42	Harapanahalli	221	Building Stone	Madapura	419	1	00	17/03/2005	10 years

43	Harapanahalli	444	Building Stone	Madapura	419/BA792	1	00	10/09/2009	5 years
44	Harapanahalli	445	Building Stone	Madapura	419/BA792	2	00	10/09/2009	5 years
45	Harapanahalli	446	Building Stone	Madapura	419/BA792	2	00	10/09/2009	5 years
46	Harapanahalli	9	Building Stone	Bagali	223/A	1	00	23/06/2010	5 years
47	Harapanahalli	10	Building Stone	Bagali	223/A	1	00	23/06/2010	5 years
48	Harapanahalli	16	Building Stone	Chatnihalli	129/A1P1	1	00	28/06/2010	5 years
49	Harapanahalli	17	Building Stone	Madapura	419/BA7P2	3	00	7/06/2010	5 years
50	Harapanahalli	18	Building Stone	Punabagatta	406/A	2	00	9/08/2010	5 years
51	Harapanahalli	19	Building Stone	Punabagatta	406/A	1	00	9/02/2011	5 years
52	Harapanahalli	21	Building Stone	Madapura	419/B	2	75	24/06/2010	5 years
53	Harapanahalli	22	Building Stone	koolahalli	275	1	00	21/09/2010	5 years
54	Harapanahalli	23	Building Stone	Harapanahalli	492/BP1	2	00	18/06/2009	5 years
55	Harapanahalli	28	Building Stone	Punabagatta	406/A	1	50	28/12/2010	5 years
56	Harapanahalli	33	Building Stone	Madapura	419/B7P2	1	00	08/06/2011	5 years
57	Harapanahalli	34	Building Stone	Harakanalu	325	2	00	09/06/2011	5 years

58	Harapanahalli	35	Building Stone	Ucchangidurga	823/B1	1	00	10/06/2011	5 years
59	Harapanahalli	36	Building Stone	Ucchangidurga	823/B1	1	00	10/06/2011	5 years
60	Harapanahalli	40	Building Stone	Harapanahalli	492/BP1	2	00	13/09/2011	5 years
61	Harapanahalli	41	Building Stone	Harapanahalli	492/BP1	2	00	13/09/2011	5 years
62	Harapanahalli	42	Building Stone	Harapanahalli	492/BP1	2	00	15/09/2011	5 years
63	Harapanahalli	60	Building Stone	Harapanahalli	492/BP1	2	00	19/06/2012	5 years
64	Harapanahalli	66	Building Stone	Punabagatta	400/A	1	00	04/09/2015	5 years
65	Harapanahalli	67	Building Stone	Ucchangidurga	1/C	1	20	04/09/2015	5 years
66	Harapanahalli	68	Building Stone	Ucchangidurga	1/C	4	00	04/09/2015	5 years
67	Harapanahalli	69	Building Stone	Ucchangidurga	1/C	2	00	13/10/2015	5 years
68	Harapanahalli	70	Building Stone	Ucchangidurga	1/C	1	25	13/10/2015	5 years
69	Harapanahalli	71	Building Stone	Ucchangidurga	1/C	1	50	13/10/2015	5 years
70	Harapanahalli	72	Building Stone	Ucchangidurga	1/C	2	00	13/10/2015	5 years
71	Harapanahalli	73	Building Stone	Chatnihalli	131/BP1	2	00	13/10/2015	5 years
72	Harapanahalli	74	Building Stone	Chatnihalli	131/BP1	1	00	13/10/2015	5 years

73	Harapanahalli	77	Building Stone	Chatnihalli	129/A1	1	00	15/10/2015	5 years
74	Harapanahalli	78	Building Stone	Ucchangidurga	492/A	2	00	15/10/2015	5 years
75	Harapanahalli	79	Building Stone	Thimmlapura	35	1	20	15/10/2015	5 years
76	Harapanahalli	80	Building Stone	Thimmlapura	35	1	20	15/10/2015	5 years
77	Harapanahalli	81	Building Stone	Thimmlapura	35	1	20	15/10/2015	5 years
78	Harapanahalli	82	Building Stone	Chatnihalli	129/A1	1	00	16/11/2015	5 years
79	Harapanahalli	83	Building Stone	Harapanahalli	492/BP1	3	00	23/01/2016	5 years
	Harapanahalli	84	Building Stone	Chatnihalli	3/1	1	00	23/01/2016	5 years
	Harapanahalli	85	Building Stone	Chatnihalli	6/1	1	00	23/01/2016	5 years

Status of Mining lease applications in Davangere district:-

In addition to above said manganese and iron ore mining leases in Davangere district. There are 24 No. of applications filed for under gold, platinum, Manganese and Iron ore by various applicants and companies. The details of mining lease applications are mentioned in the below table:-

Sl. No	Taluk	Name of the Company	Mineral applied	Village &Sy.No	Extent
1	Channagiri	Hatti Gold Mines Company	Gold & Associate Minerals	Hanumalapura,	6 sq km
2	Honnali	Hatti Gold Mines Company	Gold & Associate Minerals	Hiregonigere,	312 hectare
3	Honnali	Hatti Gold Mines Company	Gold & Associate Minerals	Kodikoppa, Salubalu, Kenchaganahalli, Chantnihalli, Palavanahalli, Dasarahalli,	2662 acre
4	Bhadravathi	Shree Rehamathulla Khan	Titanifiros, Magnetite	Ubrani,	10-50 acre
5	Channagiri	Tejaswini Minerals	Vanadiferous, Taitani, Fras, Iron ore, Copper Ore, Platinum Ore and manganese	Masalikere	1876-36 acre

6	Channgiri	Shree. M.V. Mallikarjun	Iron ore & manganese	Masanikere, 83	54 acre
7	Channagiri	G.A. Ashok S/o G. Ajjappa	Iron and Manganese	Ubrani 21	100 acre
8	Channagiri	Noorani Mining Company	Iron ore & Manganese	Myagatanahalli, 17	30 acre
9	Channagiri	M/s Padmaditya Agro Research	Iron Ore	Hanumalapura,	133 acre
	Channagiri	D.V. Gangadhara	Iron Ore	Doddamalali,1 Chikkamalali,18	8-51 Hectare
	Channagiri	ShaikAejaz Ahmed	Iron Ore	Veerapura,75	124-08 acre
	Channagiri	M/s Mysore Lime Stone Co., Pvt., Ltd.,	Iron Ore & Manganese	Somashettyhalli,33,04	171 acre
	Channagiri	G.S. Deepak	Iron and Manganese	Malalu,34	150 acre
	Channagiri	Kabhini Minerals (P) Ltd.,	Iron and Manganese	Ubrani,21	74-11 hectare
	Channagiri	Raju Vital Rao	Iron Ore and Manganese ore	Marabanahalli,21	126 acre
	Honnali	Raju Vital Rao	Iron Ore and Manganese ore	Kumbaluru,128	231 acre
	Channagiri	Raju Vital Rao	Iron Ore and Manganese ore	Siddapura,33	33 acre
	Channagiri	Raju Vital Rao	Iron Ore and Manganese	Somashettihalli, 4	132 acre
	Channagiri	Raju Vital Rao	Iron Ore and Manganese	Kotehalu, 17	50 acre
	Channagiri	Raju Vital Rao	Iron Ore and Manganese	Aralipura, 40	80 acre

The gold available is economically viable as per the survey carried out by Hatti gold mining company, Karnataka. The Gold is associated with Carbonatised amphibolites, quartz chlorite schist with greyish quartz with other associated minerals and various ancient Gold mining pits are also observed near Kodikoppa, Pallavanahalli and Hiregonigere villages in Honnali taluk.

The Platinum associated with Vanadium/Titanium bearing Magnetite and PGE (Platinum Group of Elements) are also traced out in and around Hanumalapura Village in Channagiri Taluk, generally ore deposit occurs in associated with low to high grade waste rocks, in advance technology low ores can also be used by blending with high grade ores in order to maintain scientific mining, mining shall also be sustainable and it very important to recognize and safeguard impacts on other natural resources like land, water, air and forest.

Mineral wealth through finite non-renewable in the long term and it is major resource for development it need a well-planned programme of survey and exploration management of resources which have been already discovered and mining and those which are in process to start, miners shall have to plan comprehensive planning, etc.

Royalty / Revenue received in last 03 years

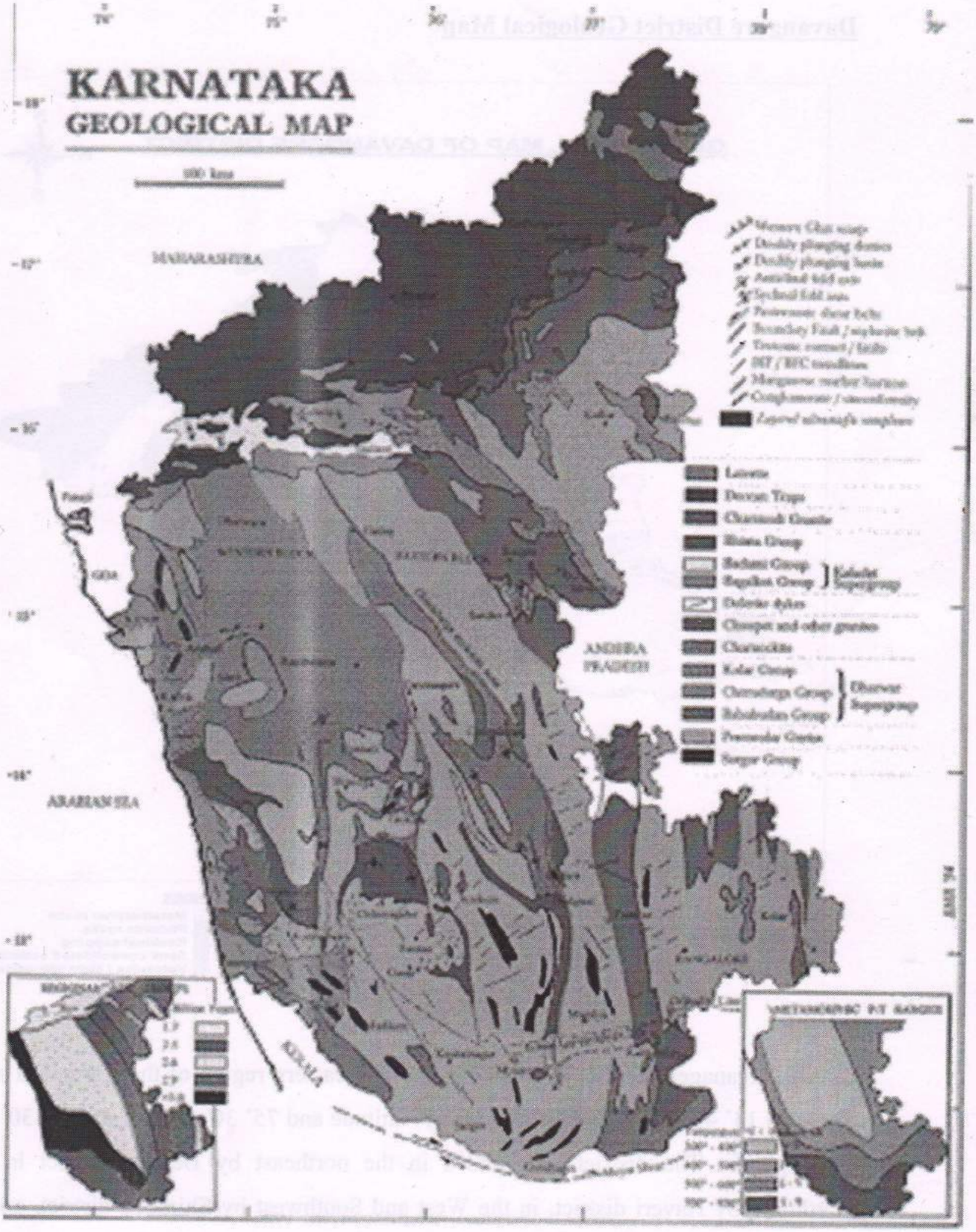
Sl. No.	Year	Major Mineral (in Rs.)	Minor Mineral (in Rs.)
1	2013-14	66.00	1218.30
2	2014-15	31.00	1582.11
3	2015-16	21.731	2116.62

Process of the Deposition of sediments in Thungabhadra river of the District:

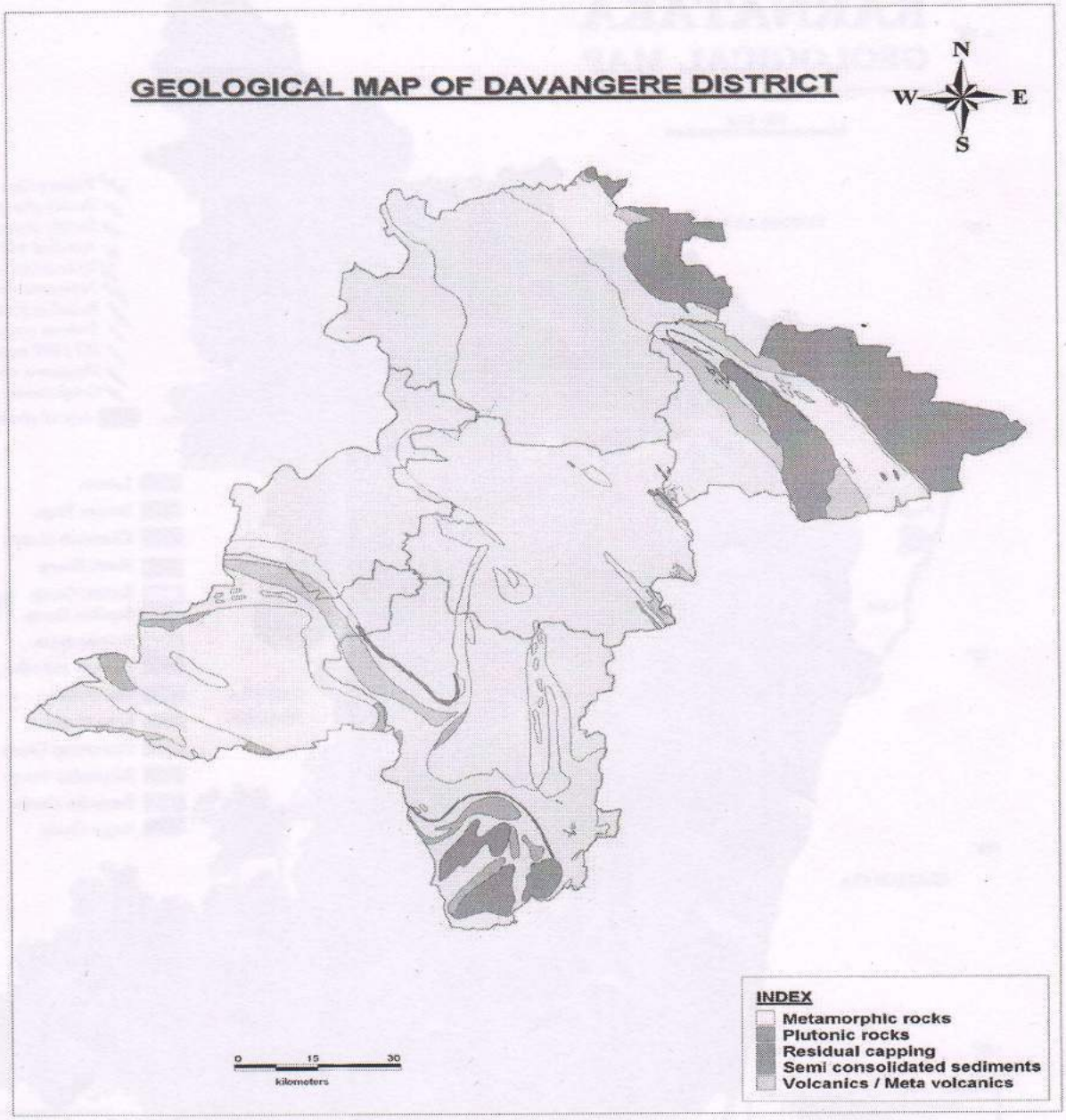
The Davangere district is covered by 13 major water sheds forms many streams, nalas which are flows and joined river and covering 134 of tanks and geomorphological drainage pattern is semi-dendritic to dendritic.

The district being the rain shadow zone, the climate is semi-arid. The period from March to May are the highest temperature from 35° to 38° Celsius rainfall is range 600-800mm annually and major portion of the rain fall is during the pre-monsoon received from south-west monsoons during May to September and post monsoons received from south-east during October to November.

Sediments referred as a conglomerate of minerals, those minerals carried away from rain water, wind, temperature and pressure processes. These factors of action was recycled from many years and by the result, it carries sediments. These sediments/ minerals comes from erosion, weathering of rock bodies and then transport through the rain water go on depositing in the river basins. These minerals deposited in the river basins typically contains clay which is less than 0.0019 mm diameter, which is associated with silica deposit of mineral, which is formed and available as sand deposit in the river basin ranging a dia of 1.5mm to 10mm. This weathering process due to temperature and pressure and other factors influenced for the generation of these sediments since form 4500 million years, this process is called the physical process which is the reason to deposit sand in the river basin.


KARNATAKA
GEOLOGICAL MAP
MAHARASHTRA
GOA
ANDHRA PRADESH
ARABIAN SEA
KERALA
Laterite
Deccan Traps
Closepet and other granites
Charnockite
Sargur Group
Dharwar Supergroup

Davangere District Geological Map



Davanagere district is located in the mid-eastern region of the Karnataka state between 13° 45' 00" N and 14° 50' 00" N latitude and 75° 30' 00" E and 76° 30' 00" E longitude. The district is bounded in the northeast by Bellary district in the northwest by Haveri district, in the West and Southwest by Shimoga district, and in the east and southeast by Chitradurga district. The total geographical area of the district is about 5913.4 Sq.km. It comprises 6 taluks.

The geological formations in Davanagere District is placed under major sedimentary component called younger schist belt of Dharwar type. The Dharwarian schist belt is mainly classified into Kudremukha belt, Bababudan belt, Shimoga belt Chitradurga belt and Sandur belt. The south east part of the Shimoga belt is traversed the Davanagere district from North West (Honnali) to south west (Channagiri) direction. This belt forms the main extent of the schistose rocks with exposed Island of basement gneissic complex at Honnali region. The youngest formation of acid volcanic suit are well exposed in Malebennur of Harihara Taluk in the region of Davangere District.

Mineral Resources

The district contains an immense reserve of Manganese and small occurrences of iron ore deposits are found in Jagalur Taluk in Davangere District.

Davangere District River Stream Sand Source:

The district mainly drained by the river Tungabhadra and the Tungabhadra river which run for a length of about 120km from South to North direction and joins Krishna river at Kurnool district of Andrapradesh. This district is comes under the part of Krishna basin and sub-basin of Tungabhadra having 13 water sheds. In Tungabhadra River belt the 58 sand blocks are identified of which 35 sand blocks in Honnali taluk, 13 sand blocks in Harihara taluk and 10 sand blocks in Harapanahalli taluk. Out of 58 sand blocks 19 sand blocks are assessed and notified and called for e-tender-cum-auction during current year of 2016-17. The details of 58 sand blocks are explained in below table:-

List of Sand Blocks in Tungabhadra River Bed

Sl no		Sand Block No.	Village/ Location	Adjacent survey no	Extent in acres	Remarks
1	Honnali	01	Malali	2,12-14	15.00	
2		02	Taggihalli	01-07	15.00	
3		03	Cheelur	29-34	15.00	
4		34	Bhagevadi	29-36	15.00	Invited for tender
5		04	Kotehal	15,16,17-25	15.00	Invited for tender
6		05	Achuthapura	2 & 7	12.00	Invited for tender
7		06	Achuthapura	8,9	12.00	Invited for tender
8		07	Marigondanahalli	7-16	12.00	
9		08	Marigondanahalli	1-6, 54, 28	12.00	
10		09	Govinakovi	124-128	5.00	
11		10	Govinakovi	103-105	10.00	
12		11	Haralahalli	36,37,47,48,52	15.00	
13		12	Didaguru	2,81-84	15.00	
14		13	Bidharagadde	46,49,50,55	12.00	
15		14	Bidharagadde	2-17	12.00	
16		15	Bidharagadde	19-25	12.00	Invited for tender

17		26	Biragondanahalli	39,40,42,43	12.00	Invited for tender
18		27	Biragondanahalli	1,44-50	12.00	Invited for tender
19		16	Holemadapura	1-9,10,11	15.00	
20		17	Konayakanahalli	1-5,67,68,69	15.00	
21		18	Balleshwara	1-3,31,32-37	15.00	
22		19	Konanatale	1-9,48,49	15.00	
23		20	Haraganahalli	25,28,30-36	15.00	
24		21	Hiregonigere	1,2,16,90,91	15.00	
25		22	Chikkagonigere	1,2,39,40,31,32,33	16.00	
26		23	Belimalluru	143-163	12.00	Invited for tender
27		24	Belimalluru	167-183	12.00	
28		25	Chikkabasuru	1,51-64	15.00	Invited for tender
29		28	Hirebasuru	1-6,58	15.00	Invited for tender
30		29	Rampura	17,21-39,40	15.00	Invited for tender
31	Honnali	30	Bullapura	32-40	15.00	Invited for tender
32		31	Hosahalli	108-118,126,128,129	15.00	
33		32	Hurulihalli	30-46,51,52	12.00	
34		33	Hurulihalli	7-15	12.00	Invited for tender
35		35	Gollarahalli	29-33	15.00	
36	Harapanahalli	01	Vatlahalli(Kadathi)	312-318	10.00	

37		02	Vatlahalli (Kadathi)	306-312	10.00	
38		03	Kadathi	392,170 & 173	10.00	
39		04	Kadathi	392,156 & 154	10.00	
40		05	Nandyala (Kadathi)	1,16-19 & 27,28	15.00	
41		06	Nitturu	34,41,42,43,110,111,112	15.00	Invited for tender
42		07	Thavaregundi	49-52 & 119	10.00	Invited for tender
43		08	Thavaregundi	49,29-33	10.00	Invited for tender
44		09	Halavagilu	367 & 418-424	10.00	Invited for tender
45		10	Garbhagudi (Halavagilu)	145,144,152,153,154,157,365,366	10.00	
46	Harihara	01	Bagadanalu	13,21-25	15.00	
47		02	Govinahalu	10-12, 17-20	12.00	
48		03	Govinahalu	51, 42-49	12.00	
49		04	Pavlya	9-10, 15,16	15.00	
50		05	Malalahalli	15	12.00	
51		06	Malalahalli	13	12.00	
52		07	Ingalagundi	14-21	12.00	Invited for tender
53		08	Ingalagundi	1-4	6.00	Invited for tender
54		09	Dhulihole	87-94,95,96	15.00	
55		10	Haralapura	73,78-80,81	15.00	

56		11	Pamenahalli	21-24	12.00	
57		12	Pamenahalli	25,26,33,34	12.00	
58		13	Helehole	66,68,86,85,84,83	15.00	

In addition 58 sand blocks, 8 moulding sand mining leases are recently terminated by the government having the extent of about 212.5 hectares, Harihara taluk of Davangere District. Terminated all moulding sand leases are now considered under the ordinary sand and action is taken to make the blocks and dispose under the Karnataka Minor Mineral Concession Rule 1994 amended on 12-08-2016.

Rain fall month wise statement mentioned below:

Actual Average Rainfall of all Rainguage Stations of Davangere District for the year 2015 in Mms

Sl. No.	Taluks	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Actual Rainfall	Normal Rainfall
1	ಚನ್ನಗಿರಿ	-	-	-	-	22.1	123.9	143.7	63.6	-	-	-	-	353.3	831.0
2	ದಾವಣಗೆರೆ	-	-	-	-	29.1	83.7	89.6	13.8	-	-	-	-	216.2	658.0
3	ಹರಿಹರ	0.2	-	-	2.4	18.2	178.8	85.8	17.0	-	-	-	-	302.4	647.0
4	ಹರಪನಹಳ್ಳಿ	-	-	-	-	89.3	130.0	113.6	23.3	-	-	-	-	356.2	769.0
5	ಹೊನ್ನಾಳಿ	-	-	-	-	24.3	127.5	93.8	47.3	-	-	-	-	292.9	649.0
6	ಜಗಳೂರು	-	-	-	40.6	127.8	41.2	70.0	-	-	-	-	-	279.6	534.0
	ಒಟ್ಟು	**0.2**	-	-	**43**	**310.8**	**685.1**	**596.6**	**165**	-	-	-	-	**1800.6**	**3257.0**

Land Utilization Pattern in the District

Land utilization by the Forest, Agriculture, Horticulture and Sericulture, details given in the table below:

1. Area of Utilization of land for the Agriculture, Horticulture and Sericulture.

   (2014-15 Source:- District Statistical Office).

Land Utilization (in hectares)

Sl. No.	Taluks	Geo-graphical Area	Forest	Land not available for cultivation			Other Uncultivated Land			Total	Total Fallow Land	Total Area Sown
				Land put to Non-Agricultural uses	Barren & Un cultivable land	Total	Cultivable waste	Permanent Pasture	Trees and Groves			
1	Channagiri	120976	29410	8678	3496	12174	84	4190	165	4439	535	88016
2	Davangere	99410	2362	6923	1653	8576	4410	4510	509	9429	3027	89111
3	Harapanahalli	143024	22230	11300	6258	17540	3174	1603	812	5589	9986	101394
4	Harihara	49866	2060	4001	1311	5312	710	795	62	1567	3513	56918
5	Honnali	88794	21168	5433	5595	11028	0	85	0	85	456	75877
6	Jagaluru	95527	12688	3457	2220	5677	147	8355	3407	11909	9673	60556
	Total	597597	89918	39792	20533	60307	8525	19538	4955	33018	21190	480872

2. Area of Utilization of land for the Mining Activity. (2014-15 Source: Mines & Geology).

a. Minor Mineral Quarry Lease area utilizes details.

Sl No.	Purpose	Total in No.s	Extent (in acres)
1	Building Stone Quarry Leases	79	199-08
2	Expired Building Stone Quarry Leases	173	256-00
3	RRC Issued Sand Leases	24	59-00
4	RRC issued Building Stone Leases	93	151-45
5	RRC clay (Jedi mannu) Lease	01	0-50
	Total	370	666-03

Senior Geologist
& Member secretary DEAC
Davangere

9	ತುಂಗಾನದಿ	ತೀರ್ಥಹಳ್ಳಿ	ನಂಬಳಾ	ಮೇಳಿಗೆ	89, 95	ಸರ್ಕಾರಿ	12.00	ಉತ್ತರ : ತುಂಗಾನದಿ ದಕ್ಷಿಣ : ತುಂಗಾನದಿ ಪೂರ್ವ: ತುಂಗಾನದಿ ಹಾಗೂ ದಬ್ಬಣಗದ್ದೆ ಗ್ರಾಮದ ಗಡಿ ಪಶ್ಚಿಮ: ನಂಬಳ ಗ್ರಾಮದ ಸರ್ವೆ ಸಂ: 89.95	ಸಾಮಾನ್ಯ ವರ್ಗ.
10	ತುಂಗಾನದಿ	ತೀರ್ಥಹಳ್ಳಿ	ತೂದೂರು ಬ್ಲಾಕ್ – 3	ತೂದೂರು	98, 99	ಸರ್ಕಾರಿ	12.00	ಉತ್ತರ : ತೂದೂರು ಸರ್ವೆ ಸಂ:98.99 ದಕ್ಷಿಣ : ತುಂಗಾನದಿ ಪೂರ್ವ: ತುಂಗಾನದಿ ಪಶ್ಚಿಮ: ತೂದೂರು ಮರಳು ಬ್ಲಾಕು ಸಂ:2	

P.R. 854

ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು ಹಾಗೂ ಅಧ್ಯಕ್ಷರು
ಜಿಲ್ಲಾ ಮರಳು ಉಸ್ತುವಾರಿ ಸಮಿತಿ,
ಶಿವಮೊಗ್ಗ.

ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಾರ್ಯಾಲಯ, ದಾವಣಗೆರೆ ಜಿಲ್ಲೆ ಜಿಲ್ಲಾಡಳಿತ ಭವನ, ದಾವಣಗೆರೆ–577 002.

ತುಂಗ
ಠಿಪ್ಪಣಿಕೆ
ಕರಡುಕಳ್ಳಿ

ಅಧಿಸೂಚನೆ

1) ಸಂಖ್ಯೆ:ಗಣಿ/ಪಿ.ಆರ್/1/2016–17/ದಿನಾಂಕ:05–12–2016.

2) ಸಂಖ್ಯೆ:ಪಿ.ಐ. 418 ಎಂ.ಎಂ.ಎನ್ 2015 (ಭಾಗ), ಬೆಂಗಳೂರು, ದಿನಾಂಕ : 12–08–2016.

24/12/16

ದಾವಣಗೆರೆ ಜಿಲ್ಲೆ ಹೊನ್ನಾಳಿ, ಹರಪನಹಳ್ಳಿ ಮತ್ತು ಹರಿಹರ ತಾಲ್ಲೂಕು ವ್ಯಾಪ್ತಿಯ ತುಂಗಭದ್ರಾ ನದಿ ಪಾತ್ರದಲ್ಲಿ ಗುರುತಿಸಿರುವ 58 ಸಾದಾರಣ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳು ಸರ್ಕಾರದ ಸ್ವಾಮ್ಯಕ್ಕೆ ಒಳಪಟ್ಟಿರುತ್ತವೆ. 58 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳಲ್ಲಿ ಪ್ರಸ್ತುತ ಮರಳಿನ ಲಭ್ಯತೆ ಇರುವ 19 ಸಾದಾರಣ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳನ್ನು ಕರ್ನಾಟಕ ಉಪಖನಿಜ ರಿಯಾಯಿತಿ ತಿದ್ದುಪಡಿ ನಿಯಮ, 2016, ಅಧ್ಯಾಯ IVಬಿ ನಿಯಮ 31–S ರಂತೆ ಮೀಸಲಾತಿ ಕಲ್ಪಿಸಿದ್ದು, 5 ವರ್ಷದ ಅವಧಿಗೆ ಗುತ್ತಿಗೆ ನೀಡಬೇಕಾಗಿರುತ್ತದೆ. ಈ ಕೆಳಕಂಡ 19 ಸಾದಾರಣ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳ ವಿವರಗಳನ್ನು ಸಾರ್ವಜನಿಕರ ಗಮನಕ್ಕೆ ತರಲು ಈ ಪ್ರಕಟಣೆ.

ಕ್ರ ಸಂ.	ತಾಲ್ಲೂಕು	ಗ್ರಾಮ	ಬ್ಲಾಕ್ ನಂ.	ವಿಸ್ತೀರ್ಣ ಎಕರೆಗಳಲ್ಲಿ	ಸರ್ವೆ ನಂ. ಪಕ್ಕ	ಅಕ್ಷಾಂಶ & ರೇಖಾಂಶ	ಮೀಸಲಿರಿಸಿರುವ ವಿವರ
1	ಹೊನ್ನಾಳಿ	ಅಚ್ಯುತಾಪುರ	05	12.00	2 & 7	N 14° 08' 46.4" E 75° 43' 07.6" N 14° 08' 32.9" E 75° 43' 07.5" N 14° 08' 26.3" E 75° 43' 05.5" N 14° 08' 20.9" E 75° 43' 01.6" N 14° 08' 22.0" E 75° 43' 00.0" N 14° 08' 26.9" E 75° 43' 03.5" N 14° 08' 33.4" E 75° 43' 05.4" N 14° 08' 46.5" E 75° 43' 05.6"	ಪರಿಶಿಷ್ಟ ಜಾತಿ
2	ಹರಪನಹಳ್ಳಿ	ನಿಟ್ಟೂರು	06	15.00	34,41,42, 43,110,111, 112	N 14° 40' 40.71" E 75° 46'40.03" N 14° 40' 51.88" E 75° 46' 4.32" N 14° 40' 52.99" E 75° 46' 9.58" N 14° 40' 50.82" E 75° 47' 0.28" N 14° 40' 49.82" E 75° 46' 5.42" N 14° 40' 38.93" E 75° 46' 1.49"	ಪರಿಶಿಷ್ಟ ಪಂಗಡ

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27/12/2016 PM

ಕ್ರ ಸಂ.	ತಾಲ್ಲೂಕು	ಗ್ರಾಮ	ಬ್ಲಾಕ್ ನಂ.	ವಿಸ್ತೀರ್ಣ ಎಕರೆಗಳಲ್ಲಿ	ಸರ್ವೆ ನಂ. ಪಕ್ಕ	ಅಕ್ಷಾಂಶ & ರೇಖಾಂಶ	ಮೀಸಲಿರಿಸಿರುವ ವಿವರ
3	ಹೊನ್ನಾಳಿ	ಬೀರಗೊಂಡನಹಳ್ಳಿ	26	12.00	39,40,42, 43	N 14° 12' 22.6" E 75° 40' 25.0" N 14° 12' 14.3" E 75° 40' 15.9" N 14° 12' 02.3" E 75° 40' 11.2" N 14° 12' 02.7" E 75° 40' 09.1" N 14° 12' 15.2" E 75° 40' 14.0" N 14° 12' 24.1" E 75° 40' 23.9"	ಅಂಗವಿಕಲ
4	ಹರಪನಹಳ್ಳಿ	ಹಲವಾಗಿಲು	09	10.00	367 & 418,424	N 14° 42' 46.18" E 75° 45'10.14" N 14° 43' 00.10" E 75° 45'21.42" N 14° 42' 58.31" E 75° 45' 8.30" N 14° 42' 44.39" E 75° 45' 2.78"	ಸಾಮಾನ್ಯ
5	ಹೊನ್ನಾಳಿ	ರಾಂಪುರ	29	15.00	17,21–39,40	N 14° 10' 27.8" E 75° 40' 52.4" N 14° 09' 59.8" E 75° 40' 38.4" N 14° 09' 53.9" E 75° 40' 40.3" N 14° 09' 53.4" E 75° 40' 38.7" N 14° 09' 59.7" E 75° 40' 36.5" N 14° 10' 28.5" E 75° 40' 50.8"	ಸಾಮಾನ್ಯ
6	ಹೊನ್ನಾಳಿ	ಬೀರಗೊಂಡನಹಳ್ಳಿ	27	12.00	1,44–50	N 14° 12' 30.5" E 75° 41' 04.5" N 14° 12' 31.0" E 75° 40' 58.2" N 14° 12' 25.7" E 75° 40' 32.6" N 14° 12' 27.3" E 75° 40' 32.3" N 14° 12' 32.6" E 75° 40' 57.8" N 14° 12' 32.1" E 75° 41' 04.7"	ಸಾಮಾನ್ಯ
7	ಹೊನ್ನಾಳಿ	ಹಿರೇಬಾಸೂರು	28	15.00	1–6,58	N 14° 11' 51.4" E 75° 40' 09.1" N 14° 11' 45.6" E 75° 40' 11.8" N 14° 11' 29.5" E 75° 40' 22.3" N 14° 11' 24.6" E 75° 40' 26.2" N 14° 11' 23.2" E 75° 40' 24.8" N 14° 11' 28.6" E 75° 40' 20.5" N 14° 11' 44.8" E 75° 40' 09.8" N 14° 11' 50.6" E 75° 40' 07.5"	ಪರಿಶಿಷ್ಟ ಜಾತಿ
8	ಹೊನ್ನಾಳಿ	ಬುಳ್ಳಾಪುರ	30	15.00	32–40	N 14° 09' 04.1" E 75° 40' 57.4" N 14° 08' 51.3" E 75° 41' 02.0" N 14° 08' 41.9" E 75° 41' 08.3" N 14° 08' 37.2" E 75° 41' 14.5" N 14° 08' 36.2" E 75° 41' 12.4" N 14° 08' 40.1" E 75° 41' 07.0" N 14° 08' 50.9" E 75° 40' 59.8" N 14° 09' 03.3" E 75° 40' 55.5"	ಸಾಮಾನ್ಯ

ಕ್ರ ಸಂ.	ತಾಲ್ಲೂಕು	ಗ್ರಾಮ	ಬ್ಲಾಕ್ ನಂ.	ವಿಸ್ತೀರ್ಣ ಎಕರೆಗಳಲ್ಲಿ	ಸರ್ವೆ ನಂ. ಪಕ್ಕ	ಅಕ್ಷಾಂಶ & ರೇಖಾಂಶ	ಮೀಸಲಿರಿಸಿರುವ ವಿವರ
9	ಹೊನ್ನಾಳಿ	ಬಿದರಗಡ್ಡೆ	15	12.00	19–25	N 14^0 12' 56.4" E 75^0 42' 21.8" N 14^0 12' 39.0" E 75^0 42' 17.8" N 14^0 12' 32.5" E 75^0 42' 13.9" N 14^0 12' 29.4" E 75^0 42' 07.6" N 14^0 12' 31.1" E 75^0 42' 06.8" N 14^0 12' 34.0" E 75^0 42' 13.0" N 14^0 12' 39.8" E 75^0 42' 16.4" N 14^0 12' 56.7" E 75^0 42' 20.1"	ಸಾಮಾನ್ಯ
10	ಹೊನ್ನಾಳಿ	ಚಿಕ್ಕಬಾಸೂರು	25	15.00	1,51–64	N 14^0 12' 33.6" E 75^0 42' 20.3" N 14^0 12' 26.3" E 75^0 42' 08.6" N 14^0 12' 24.5" E 75^0 42' 01.6" N 14^0 12' 24.5" E 75^0 41' 47.8" N 14^0 12' 26.5" E 75^0 41' 48.0" N 14^0 12' 26.5" E 75^0 42' 01.6" N 14^0 12' 28.2" E 75^0 42' 08.0" N 14^0 12' 35.4" E 75^0 42' 19.2"	ಸಾಮಾನ್ಯ
11	ಹರಿಹರ	ಇಂಗಳಗೊಂದಿ	07	12.00	14–21	N 14^0 29' 28.7" E 75^0 41' 53.1" N 14^0 29' 29.6" E 75^0 41' 45.7" N 14^0 29' 27.8" E 75^0 41' 28.0" N 14^0 29' 29.4" E 75^0 41' 27.9" N 14^0 29' 31.2" E 75^0 41' 45.6" N 14^0 29' 30.3" E 75^0 41' 53.3"	ಸಾಮಾನ್ಯ
12	ಹೊನ್ನಾಳಿ	ಕೋಟೆಹಾಳ್	04	15.00	15,16,17–25	N 14^0 08' 03.7" E 75^0 42' 52.2" N 14^0 07' 50.2" E 75^0 42' 48.4" N 14^0 07' 40.5" E 75^0 42' 44.2" N 14^0 07' 36.4" E 75^0 42' 38.8" N 14^0 07' 33.5" E 75^0 42' 32.3" N 14^0 07' 35.1" E 75^0 42' 31.6" N 14^0 07' 38.0" E 75^0 42' 38.0" N 14^0 07' 41.7" E 75^0 42' 43.0" N 14^0 07' 50.6" E 75^0 42' 46.8" N 14^0 08' 04.2" E 75^0 42' 50.5"	ಸಾಮಾನ್ಯ
13	ಹೊನ್ನಾಳಿ	ಬಾಗೇವಾಡಿ	34	15.00	29–36	N 14^0 06' 53.0" E 75^0 41' 18.1" N 14^0 06' 43.7" E 75^0 41' 14.0" N 14^0 06' 36.0" E 75^0 41' 12.9" N 14^0 06' 31.4" E 75^0 41' 14.4"	ಸಾಮಾನ್ಯ

ಕ್ರ ಸಂ.	ತಾಲ್ಲೂಕು	ಗ್ರಾಮ	ಬ್ಲಾಕ್ ನಂ.	ವಿಸ್ತೀರ್ಣ ಎಕರೆಗಳಲ್ಲಿ	ಸರ್ವೆ ನಂ. ಪಕ್ಕ	ಅಕ್ಷಾಂಶ & ರೇಖಾಂಶ	ಮೀಸಲಿರಿಸಿರುವ ವಿವರ
						N 14° 06' 26.5" E 75° 41' 19.1" N 14° 06' 25.1" E 75° 41' 16.9" N 14° 06' 29.7" E 75° 41' 12.9" N 14° 06' 35.4" E 75° 41' 10.7" N 14° 06' 43.7" E 75° 41' 12.0" N 14° 06' 53.3" E 75° 41' 15.9"	
14	ಹರಿಹರ	ಇಂಗಳಗೊಂದಿ	08	6.00	1–4	N 14° 29' 18.5" E 75° 42' 06.8" N 14° 29' 28.5" E 75° 41' 54.5" N 14° 29' 30.2" E 75° 41' 54.9" N 14° 29' 20.3" E 75° 42' 06.9"	- ಪರಿಶಿಷ್ಟ ಜಾತಿ
15	ಹೊನ್ನಾಳಿ	ಅಚ್ಯುತಾಪುರ	06	12.00	8,9	N 14° 08' 53.9" E 75° 42' 35.1" N 14° 08' 56.9" E 75° 42' 48.9" N 14° 08' 55.7" E 75° 42' 58.6" N 14° 08' 50.8" E 75° 43' 05.9" N 14° 08' 49.5" E 75° 43' 05.0" N 14° 08' 54.2" E 75° 42' 58.1" N 14° 08' 55.1" E 75° 42' 48.3" N 14° 08' 51.9" E 75° 42' 35.7"	ಸಾಮಾನ್ಯ
16	ಹೊನ್ನಾಳಿ	ಹುರುಳಿಹಳ್ಳಿ	33	12.00	7–15	N 14° 07' 26.4" E 75° 42' 06.5" N 14° 07' 26.5" E 75° 41' 59.0" N 14° 07' 25.4" E 75° 41' 47.8" N 14° 07' 21.6" E 75° 41' 41.5" N 14° 07' 23.6" E 75° 41' 41.1" N 14° 07' 27.1" E 75° 41' 46.9" N 14° 07' 28.5" E 75° 42' 00.0" N 14° 07' 28.4" E 75° 42' 06.5"	ಸಾಮಾನ್ಯ
17	ಹೊನ್ನಾಳಿ	ಬೇಲಿಮಲ್ಲೂರು	23	12.00	143–163	N 14° 15' 36.1" E 75° 38' 49.6" N 14° 15' 22.6" E 75° 38' 52.9" N 14° 15' 10.0" E 75° 38' 54.9" N 14° 15' 09.8" E 75° 38' 52.7" N 14° 15' 22.4" E 75° 38' 51.0" N 14° 15' 35.6" E 75° 38' 47.8"	ಪರಿಶಿಷ್ಟ ಜಾತಿ

ಕ್ರ ಸಂ.	ತಾಲ್ಲೂಕು	ಗ್ರಾಮ	ಬ್ಲಾಕ್ ನಂ.	ವಿಸ್ತೀರ್ಣ ಎಕರೆಗಳಲ್ಲಿ	ಸರ್ವೆ ನಂ. ಪಕ್ಕ	ಅಕ್ಷಾಂಶ & ರೇಖಾಂಶ	ಮೀಸಲಿರಿಸಿರುವ ವಿವರ
18	ಹರಪನಹಳ್ಳಿ	ತಾವರೆಗೊಂದಿ	07	10.00	49–52 & 199	N 14° 41' 56.34" E 75° 44' 5.81" N 14° 42' 06.36" E 75° 44' 1.68" N 14° 42' 13.22" E 75° 44' 1.46" N 14° 42' 11.56" E 75° 44' 2.93" N 14° 42' 04.80" E 75° 44' 3.46" N 14° 41' 55.21" E 75° 44' 7.84"	ಪರಿಶಿಷ್ಟ ಪಂಗಡ
19	ಹರಪನಹಳ್ಳಿ	ತಾವರೆಗೊಂದಿ	08	10.00	49,29–33	N 14° 41' 15.19" E 75° 44' 1.12" N 14° 41' 27.00" E 75° 44' 7.80" N 14° 41' 37.69" E 75° 44' 8.86" N 14° 41' 37.56" E 75° 44' 1.19" N 14° 41' 27.21" E 75° 44' 0.18" N 14° 41' 15.73" E 75° 44' 3.39"	ಸಾಮಾನ್ಯ

ಮೇಲ್ಕಂಡ 19 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳನ್ನು ನಿಯಮಾನುಸಾರ ಗಣಿ ಮತ್ತು ಭೂವಿಜ್ಞಾನ ಇಲಾಖೆ, ದಾವಣಗೆರೆ ಕಛೇರಿಯಿಂದ ಗುತ್ತಿಗೆ ನೀಡಲು ಅಧಿಸೂಚನೆ ಹೊರಡಿಸಲಾಗಿದೆ.

ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು

P.R. 858 ದಾವಣಗೆರೆ

ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಾರ್ಯಾಲಯ, ದಾವಣಗೆರೆ ಜಿಲ್ಲೆ, ಜಿಲ್ಲಾಡಳಿತ ಭವನ, ದಾವಣಗೆರೆ– 577 002.

ಅಧಿಸೂಚನೆ

ನಂ:ಗಣಿ/ಸಿಆರ್/1/2016–17, ದಿನಾಂಕ:14–12–2016.

ಕರ್ನಾಟಕ ಕಲ್ಲು ಪುಡಿ ಮಾಡುವ ಘಟಕಗಳ (ಕ್ರಷರ್) ನಿಯಂತ್ರಣ ಅಧಿನಿಯಮ, 2011ರಂತೆ ಕಲ್ಲು ಪುಡಿ ಮಾಡುವ ಘಟಕಗಳನ್ನು (ಕ್ರಷರ್) ಸುರಕ್ಷಿತ ವಲಯದೊಳಗೆ ಸ್ಥಾಪಿಸಬೇಕಾಗಿರುತ್ತದೆ. ಅದರಂತೆ ಸದರಿ ಪ್ರದೇಶಗಳು ಕಾಲಂ 6(1)ರ ಷರತ್ತುಗಳು ಪೂರೈಕೆಯಾಗುತ್ತಿರುವ ದಾವಣಗೆರೆ ಜಿಲ್ಲೆಯಲ್ಲಿರುವ ಈ ಕೆಳಕಂಡ ಸ್ಥಳಗಳನ್ನು ಕರ್ನಾಟಕ ಕಲ್ಲು ಪುಡಿ ಮಾಡುವ ಘಟಕಗಳ (ಕ್ರಷರ್) ನಿಯಂತ್ರಣ ಅಧಿನಿಯಮ, 2011ರ ಕಾಲಂ 6(3)ರಲ್ಲಿ ಪ್ರತ್ಯೋಜಿಸಿರುವ ಅಧಿಕಾರದಡಿಯಲ್ಲಿ ಕ್ರಷರ್ ಸುರಕ್ಷಿತ ವಲಯಗಳೆಂದು ಘೋಷಿಸಲಾಗಿದೆ.

ಕ್ರ ಸಂ.	ಅರ್ಜಿದಾರರ ಹೆಸರು ಮತ್ತು ವಿಳಾಸ	ತಾಲ್ಲೂಕು	ಗ್ರಾಮ	ಸ.ನಂ.	ವಿಸ್ತೀರ್ಣ (ಎ–ಗು)	ಭೂಮಿಯ ವಿಧ
1	ಶ್ರೀ ಬನಶಂಕರಿ ಸ್ಟೋನ್ ಕ್ರಷರ್, ಪ್ರೊ: ಅಣಜಿಗೆರೆ ಪ್ರಸನ್ನ ಬಿನ್ ಅಣಜಿಗೆರೆ ಸಿದ್ದಲಿಂಗಪ್ಪ, ಪೋತಲಕಟ್ಟೆ ಗ್ರಾಮ & ಅಂಚೆ, ಹರಪನಹಳ್ಳಿ ತಾಲ್ಲೂಕು, ದಾವಣಗೆರೆ ಜಿಲ್ಲೆ	ಹರಪನಹಳ್ಳಿ	ಚಟ್ನಿಹಳ್ಳಿ	10/3	2–00	ಪಟ್ಟಾ

ದಿನಾಂಕ:10–05–2017ರಂದು ಮಾನ್ಯ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು ಹಾಗೂ ಅಧ್ಯಕ್ಷರು ಟಾಸ್ಕ್‌ಫೋರ್ಸ ಮತ್ತು ಜಿಲ್ಲಾ ಮರಳು ಸಮಿತಿ ಇವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳ ಕಛೇರಿಯಲ್ಲಿ ಜರುಗಿದ ಸಭೆಯ ನಡವಳಿಗಳು.

ಅಧ್ಯಕ್ಷತೆ:–ಶ್ರೀ ಡಿ.ಎಸ್ ರಮೇಶ್
ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು, ದಾವಣಗೆರೆ.

ಹಾಜರಿದ್ದ ಅಧಿಕಾರಿಗಳು:

1) ಜಿಲ್ಲಾ ಪೊಲೀಸ್ ಅಧೀಕ್ಷಕರು, ದಾವಣಗೆರೆ
2) ಅಪರ ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು, ದಾವಣಗೆರೆ
3) ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ, ದಾವಣಗೆರೆ
4) ಪ್ರಾದೇಶಿಕ ಸಾರಿಗೆ ಅಧಿಕಾರಿಗಳು, ದಾವಣಗೆರೆ
5) ಉಪವಿಭಾಗಾಧಿಕಾರಿಗಳು, ಹರಪನಹಳ್ಳಿ
6) ತಹಶೀಲ್ದಾರ್, ದಾವಣಗೆರೆ/ಹೊನ್ನಾಳಿ/ಹರಿಹರ/ಹರಪನಹಳ್ಳಿ/ಜಗಳೂರು/ಚನ್ನಗಿರಿ
7) ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು, ಲೋಕೋಪಯೋಗಿ ಇಲಾಖೆ ಉಪ–ವಿಭಾಗ ಹೊನ್ನಾಳಿ, ಹರಿಹರ, ಹರಪನಹಳ್ಳಿ
8) ಕಮಾಡಂಟ್, ಗೃಹ ರಕ್ಷಕ ದಳ, ದಾವಣಗೆರೆ
9) ಯೋಜನಾ ವ್ಯವಸ್ಥಾಪಕರು, ನಿರ್ಮಿತಿ ಕೇಂದ್ರ, ದಾವಣಗೆರೆ
10) ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿ, ಗಣಿ ಮತ್ತು ಭೂವಿಜ್ಞಾನ ಇಲಾಖೆ, ದಾವಣಗೆರೆ

ಮಾನ್ಯ ಅಧ್ಯಕ್ಷರು ಸಭೆಯಲ್ಲಿ ಹಾಜರಿದ್ದ ಎಲ್ಲಾ ಅಧಿಕಾರಿಗಳನ್ನು ಸ್ವಾಗತಿಸಿ ಸಭೆಯನ್ನು ಪ್ರಾರಂಭಿಸಿದರು ಮೊದಲಿಗೆ ಮರಳು ಸಮಿತಿಗೆ ಸಂಬಂಧಿಸಿದ ವಿಷಯಗಳನ್ನು ಚರ್ಚಿಸಲಾಯಿತು.

I. ಮರಳು ಸಮಿತಿಗೆ ಸಂಬಂಧಿಸಿದ ವಿಷಯಗಳು.

1) ತುಂಗಭದ್ರ ನದಿಪಾತ್ರದಲ್ಲಿ ಮರಳು ಗುತ್ತಿಗೆ ನೀಡಿರುವ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳಲ್ಲಿ ದಾಸ್ತಾನು ಮಾಡಿರುವ ಮರಳನ್ನು ವಿಲೆ ಮಾಡುವ – ಕುರಿತು.

ಇ–ಟೆಂಡರ್ ಪ್ರಕ್ರಿಯೆಯಲ್ಲಿ ಟೆಂಡರ್‌ಗೆ ಒಳಪಡಿಸಿದ 19 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳ ಬಗ್ಗೆ ಅಧ್ಯಕ್ಷರು ಕೇಳಲಾಗಿ ಇದಕ್ಕೆ ಪ್ರತಿಕ್ರಿಯಿಸಿದ ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರು ಈಗಾಗಲೆ ಟೆಂಡರ್ ಪ್ರಕ್ರಿಯೆಯನ್ನು ಪೂರ್ಣಗೊಳಿಸಿದ್ದು, ಅದರಲ್ಲಿ 18 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳನ್ನು ನಿಯಮಾನುಸಾರ ಅಂಗೀಕರಿಸಿ, ಅದರಲ್ಲಿ 12 ಎಕರೆಗಿಂತ ಕಡಿಮೆ ಇರುವ 11 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳಿಗೆ ಪರಿಸರ ತೀರುವಳಿ ಪತ್ರಗಳು ಸಲ್ಲಿಕೆಯಾದ ನಂತರ ಅಗತ್ಯವಿರುವ ದಾಸ್ತಾವೇಜುಗಳು ಮತ್ತು ಶುಲ್ಕಗಳನ್ನು ಸರ್ಕಾರಕ್ಕೆ ಪಾವತಿಸಿಕೊಂಡು 10 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳಿಗೆ 5 ವರ್ಷದ ಅವಧಿಗೆ ಗುತ್ತಿಗೆಯನ್ನು ನೀಡಿರುವುದಾಗಿ ಮತ್ತು ಬಿದರಗಡ್ಡೆ ಗ್ರಾಮದ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗೆ ಗುತ್ತಿಗೆದಾರರು ಬ್ಯಾಂಕ್ ಗ್ಯಾರಂಟಿ ಸಲ್ಲಿಸಬೇಕಾಗಿದ್ದು, ಬ್ಯಾಂಕ್‌ಗ್ಯಾರಂಟಿ ಸಲ್ಲಿಸಿದ ನಂತರ ಸದರಿ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗೂ ಸಹ 5 ವರ್ಷದ ಅವಧಿಗೆ ಗುತ್ತಿಗೆ ನೀಡುವುದಾಗಿ ಮತ್ತು ಉಳಿದಂತೆ 12–00 ಎಕರೆ ವಿಸ್ತೀರ್ಣಕ್ಕಿಂತ ಹೆಚ್ಚಿರುವ 7 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳಿಗೆ ಪರಿಸರ ತೀರುವಳಿ ಪತ್ರವನ್ನು SEIAA ಬೆಂಗಳೂರು ಇಲ್ಲಿಂದ ಪಡೆಯಬೇಕಾಗಿದ್ದು, ರಾಜ್ಯ ಮಟ್ಟದ ಸಮಿತಿಗೆ ಶಿಫಾರಸ್ಸು ಮಾಡಿರುವುದಾಗಿ ಸಭೆಗೆ ವಿವರಿಸಿದರು.

ಈಗಾಗಲೆ ಗುತ್ತಿಗೆ ನೀಡಿರುವ 10 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳಲ್ಲಿ ಗುತ್ತಿಗೆದಾರರು ಗಣಿಗಾರಿಕೆಯನ್ನು ಪ್ರಾರಂಭಿಸಿ ಮರಳನ್ನು ದಾಸ್ತಾನು ಮಾಡಿದ್ದು, ಮರಳನ್ನು ಸಾಗಾಣಿಕೆ ಮಾಡಲು ಪರವಾನಿಗೆ ನೀಡುವಂತೆ ಅರ್ಜಿ ಸಲ್ಲಿಸಿರುವ ಬಗ್ಗೆ ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರು ಸಭೆಗೆ ವಿವರಿಸಿ ಮರಳನ್ನು ಮಾರಾಟ ಮಾಡುವ ದರ ಮತ್ತು ಸಾಗಾಣಿಕೆ ಮಾಡುವ ವಾಹನಗಳಿಗೆ ಜಿ.ಪಿ.ಎಸ್. ಅಳವಡಿಕೆ ಮಾಡಬೇಕೆ ಅಥವಾ ಬೇಡವೆ ಎನ್ನುವ ಬಗ್ಗೆ ತಿರ್ಮಾನಿಸಬೇಕಾಗಿರುವ ವಿಷಯಗಳ ಬಗ್ಗೆ ಸಭೆಗೆ ವಿವರಿಸಿದರು.

ಮರಳಿನ ದಾಸ್ತಾನು ಸಾಗಾಣಿಕೆ ಮತ್ತು ಮರಳು ಮಾರಾಟ ದರ ನಿಗದಿಪಡಿಸುವ ಮತ್ತು ಮರಳು ಸಾಗಾಣಿಕೆ ವಾಹನಗಳಿಗೆ ಜಿ.ಪಿ.ಎಸ್. ಅಳವಡಿಸುವ ಬಗ್ಗೆ ಸಭೆಯಲ್ಲಿ ಸುದೀರ್ಘವಾಗಿ ಚರ್ಚಿಸಲಾಯಿತು. ಎಲ್ಲಾ ವಿಷಯಗಳನ್ನು ಕೂಲಂಕುಷವಾಗಿ ಪರಿಶೀಲಿಸಿದ ಅಧ್ಯಕ್ಷರು ಇತರ ಜಿಲ್ಲೆಗಳಲ್ಲಿ ಯಾವರೀತಿಯಲ್ಲಿ ಮರಳಿನ ಮಾರಾಟದ ದರವನ್ನು ನಿಗದಿಪಡಿಸಲಾಗಿದೆ ಎನ್ನುವ ಬಗ್ಗೆ ಕೇಳಲಾಗಿ ಇದಕ್ಕೆ ಪ್ರತಿಕ್ರಿಯಿಸಿದ ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರು ರಾಜ್ಯದಲ್ಲಿ ಶಿವಮೊಗ್ಗ ಮತ್ತು ದಾವಣಗೆರೆ ಜಿಲ್ಲೆಗಳಲ್ಲಿ ಮಾತ್ರ ಹೊಸ ತಿದ್ದುಪಡಿ ನಿಯಮಗಳಂತೆ ಮರಳಿನ ಗಣಿಗಾರಿಕೆಯನ್ನು ಪ್ರಾರಂಭಿಸಿದ್ದು, ಶಿವಮೊಗ್ಗ ಜಿಲ್ಲೆಯಲ್ಲಿ ಟೆಂಡರ್‌ದಾರರು ಪ್ರತಿ ಮೆ.ಟನ್‌ಗೆ ಅಂತಿಮವಾಗಿ Quote ಮಾಡಿದ್ದ ದರಕ್ಕೆ ಪೂರಕವಾಗಿ ಲಾಭಾಂಶವನ್ನು ಪ್ರತಿ ಮೆ.ಟನ್‌ಗೆ ರೂ.200/- (ಎರಡು ನೂರು) ಗಳಂತೆ ನಿಗದಿಪಡಿಸಿ ಪರವಾನಿಗೆಯನ್ನು ನೀಡುತ್ತಿರುವುದಾಗಿ ಸಭೆಗೆ ವಿವರಸಿದರು.

ಮೇಲಿನ ಮಾಹಿತಿ ಪಡೆದ ಅಧ್ಯಕ್ಷರು ಟೆಂಡರ್‌ದಾರರು ವಿವಿಧ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳಿಗೆ ವಿವಿಧ ದರಗಳನ್ನು Quote ಮಾಡಿದ್ದು, ಅಂತಿಮವಾಗಿ ಪ್ರತಿ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗೆ ಬಿಡ್‌ದಾರರು ನಮೂದಿಸಿರುವ ಹೆಚ್ಚುವರಿ ಕಾಲಿಕ ಮೊತ್ತ, ರಾಜಧನ, ಜಿಲ್ಲಾ ಖನಿಜ ಪ್ರತಿಷ್ಠಾನ ನಿಧಿ ಹಾಗು ಅನ್ವಯಿಕ ಇತರೆ ಕರಗಳನ್ನು ಗಣಿ ಮತ್ತು ಭೂವಿಜ್ಞಾನ ಇಲಾಖೆಗೆ ಪಾವತಿ ಮಾಡಬೇಕಾಗಿದ್ದು, ಸದರಿ ಮೊತ್ತಕ್ಕೆ ಮರಳು ಉತ್ಪಾದನೆ ಮಾಡಲು ಸಾಧ್ಯವಿರುವ ಎಲ್ಲಾ ವೆಚ್ಚಗಳು ಹಾಗು ಗುತ್ತಿಗೆದಾರರ ಲಾಭಾಂಶ ಸೇರಿದಂತೆ ಪ್ರತಿ ಮೆ.ಟನ್‌ಗೆ ರೂ.200/- ಗಳನ್ನು ನಿಗದಿಪಡಿಸುವ ಬಗ್ಗೆ ಸಭೆಯಲ್ಲಿ ಚರ್ಚಿಸಲಾಯಿತು. ಅಂತಿಮವಾಗಿ ಗುತ್ತಿಗೆದಾರರು ಸರ್ಕಾರಕ್ಕೆ ಪಾವತಿಸಬೇಕಾಗಿರುವ ಎಲ್ಲಾ ವೆಚ್ಚಗಳು ಹಾಗು ಗುತ್ತಿಗೆದಾರರ ಲಾಭಾಂಶ ಸೇರಿದಂತೆ ಪ್ರತಿ ಮೆ.ಟನ್‌ಗೆ ರೂ.200/- ಗಳನ್ನು ನಿಗದಿಪಡಿಸಿ ಮಾರಾಟ ಮಾಡಲು ಸಭೆಯಲ್ಲಿ ಸರ್ವಾನುಮತದಿಂದ ತಿರ್ಮಾನಿಸಲಾಯಿತು ಮತ್ತು ಸಭೆಯಲ್ಲಿ ಹಾಜರಿದ್ದ ಗುತ್ತಿಗೆದಾರರಿಗೆ ಪ್ರತಿ ಮೆ.ಟನ್‌ಗೆ ರೂ.200/- ಲಾಭಾಂಶದಂತೆ ಮರಳನ್ನು ಗ್ರಾಹಕರಿಗೆ ವಿತರಿಸಲು ವಿಶೇಷ ಸೂಚನೆಗಳನ್ನು ಸಹ ಸಭೆಯಲ್ಲಿ ನೀಡಲಾಯಿತು.

ಮರಳು ಬ್ಲಾಕ್‌ಗಳಲ್ಲಿ ಗುತ್ತಿಗೆದಾರರು ಪ್ರತಿ ಮೆ.ಟನ್‌ಗೆ ಮಾರಾಟ ಮಾಡಬೇಕಾದ ಗರಿಷ್ಟ ಮಾರಾಟ ಬೆಲೆಯನ್ನು ಹರಾಜು ಮೊತ್ತಕ್ಕೆ ಅನುಗುಣವಾಗಿ ಈ ಕೆಳಕಂಡಂತೆ ನಿಗದಿಪಡಿಸಲಾಗಿರುತ್ತದೆ.

SL.	NAME OF SAND BLOCK	SAND BLOCK NUMBER	NAME OF SUCCESSFUL BIDDER	FINAL BID PRICE (in %)	FINAL BID PRICE (In.Rs)	Total Payable Amount by lessee/MT to DMG (In.Rs)	Sand Sale Price to public by the lessee/MT (in Rs.)
1	Acchuthapura	05	Krishna naik M R	1035	621	688.20	888.20
2	Nittur	06	H.T Girish	1554	932.4	999.60	1199.60

3	Beergondanahalli	26	Sathish R	887.5	532.5	599.70	799.70
4	Halavagalu	09	B J Sunil kumar	4195	2517	2584.20	2784.20
5	Rampura	29	Prakash	1770.5	1062.3	1129.50	1329.50
6	Beergondanahalli	27	S.Dheerendramurty	3597.5	2158.5	2225.70	2425.70
7	Hirebasuru	28	Jyothi Chouhan	1035	621	688.20	888.20
8	Bullapura	30	Bashu ali	2882.5	1729.5	1796.70	1996.70
9	Bidaragadde	15	K B Manjunath	6117.5	3670.5	3737.70	3937.70
10	Chikkabasuru	25	M R Harish	2020	1212	1279.20	1479.20
11	Ingalagundi	07	Ashok R K	8690	5214	5281.20	5481.20
12	Kotehal	04	B J Sunil Kumar	1045	627	694.20	894.20
13	Bhagewadi	34	Girish E	1032.5	619.5	686.70	886.70
14	Ingalagundi	08	K Chandranaik	4425	2655	2722.20	2922.20
15	Acchuthapura	06	H.P Ramamurthy	1095	657	724.20	924.20
16	Belimalluru	23	S.Dheerendramurty	1055	633	700.20	900.20
17	Tavaregundhi	07	H.V Shivashankar	1325.5	795.3	862.50	1062.20
18	Tavaregundhi	08	Ashok R.K	10236	6141.6	6208.80	6408.80

ಮುಂದುವರೆದಂತೆ ಮರಳು ಸಾಗಾಣಿಕೆ ಮಾಡುವ ವಾಹನಗಳಿಗೆ ಜಿ.ಪಿ.ಎಸ್. ಅಳವಡಿಕೆ ಮಾಡುವ ಬಗ್ಗೆ ಸಭೆಯಲ್ಲಿ ಸುದೀರ್ಘವಾಗಿ ಚರ್ಚಿಸಕಾಯಿತು. ಇದಕ್ಕೆ ಪ್ರತಿಕ್ರಿಯಿಸಿದ ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರು ಮರಳು ಸಾಗಾಣಿಕೆ ವಾಹನಗಳಿಗೆ ಜಿ.ಪಿ.ಎಸ್. ಅಳವಡಿಕೆ ಇನ್ನಿತರ ಸಂಬಂಧಿಸಿದ ವಿಷಯಗಳ ಬಗ್ಗೆ ರಾಜ್ಯಾದ್ಯಂತ ಒಂದೆ ಮಾದರಿಯ ನಿಯಮಗಳನ್ನು ಪರಿಪಾಲಿಸುವ ಬಗ್ಗೆ ಮತ್ತು ಅದೇಶ ಹೊರಡಿಸುವ ಬಗ್ಗೆ ಪ್ರಕ್ರಿಯೆಗಳು ನಡೆಯುತ್ತಿರುವ ಬಗ್ಗೆ ಸಭೆಗೆ ವಿವರಿಸಿದರು. ಸದರಿ ಮಾಹಿತಿ ಪಡೆದ ಅಧ್ಯಕ್ಷರು ಸದ್ಯ ಜಿಲ್ಲೆಯಲ್ಲಿ ಬಹಳಷ್ಟು ಮರಳಿನ ಬೇಡಿಕೆ ಇರುವುದರಿಂದ ಮತ್ತು ರಾಜ್ಯಾದ್ಯಂತ ಮರಳಿನ ಸಾಗಾಣಿಕೆಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಏಕರೂಪದ ಮಾದರಿ ನಿಯಮ ಜಾರಿಯಾಗುವವರೆಗೆ ತಾತ್ಕಾಲಿಕವಾಗಿ ಕಲ್ಲು ಗಣಿಗುತ್ತಿಗೆದಾರರಿಗೆ ನೀಡುತ್ತಿರುವ ಪರವಾನಿಗೆಯ ಮಾದರಿಯಲ್ಲಿಯೆ ಮರಳಿನ ಗುತ್ತಿಗೆದಾರರಿಗೂ ಸಹ ಪರವಾನಗೆ ನೀಡಲು ಮತ್ತು ಸಾಗಾಣಿಕೆ ಮಾಡಲು ಅವಕಾಶ ಕಲ್ಪಿಸಿ ಉಳಿದಂತೆ ಎಲ್ಲಾ ನಿಯಮಗಳನ್ನು ಪಾಲಿಸುವಂತೆ ಸಭೆಯಲ್ಲಿ ತಿರ್ಮಾನಿಸಲಾಯಿತು.

ಮರಳನ್ನು ಹೊರಜಿಲ್ಲೆಗಳಿಗೆ ನೀಡುವ ಬಗ್ಗೆ ಸಭೆಯಲ್ಲಿ ಚರ್ಚಿಸಲಾಯಿತು. ಇದಕ್ಕೆ ಪ್ರತಿಕ್ರಯಿಸಿದ ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರು ನಿಯಮದಲ್ಲಿ ಹೊರಜಿಲ್ಲೆಗಳಿಗೆ ಮರಳನ್ನು ನೀಡಲು ಅವಕಾಶವಿದ್ದು ಹೊರರಾಜ್ಯಗಳಿಗೆ ಮರಳನ್ನು ಸಾಗಾಣಿಕೆ ಮಾಡಲು ಅವಕಾಶವಿಲ್ಲದಿರುವ ಬಗ್ಗೆ ಸಭೆಗೆ ವಿವರಿಸಿದರು. ಇದನ್ನು ಆಲಿಸಿದ ಅಧ್ಯಕ್ಷರು ಸದರಿ ವಿಷಯವನ್ನು ಸಭೆಯಲ್ಲಿ ಚರ್ಚಿಸಿ ಸದ್ಯ ಜಿಲ್ಲೆಯಲ್ಲಿರುವ ಮರಳಿನ ಬೇಡಿಕೆಯನ್ನು ಪೂರೈಸಿಕೊಂಡು ಆನಂತರದಲ್ಲಿ ಹೊರಜಿಲ್ಲೆಗಳಿಗೆ ಮರಳನ್ನು ನೀಡಲು ತಿರ್ಮಾನಿಸಲಾಯಿತು.

2) <u>ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳಲ್ಲಿ ಸ್ಟಾಕ್‌ಯಾರ್ಡ್‌ಗಳನ್ನು ಸ್ಥಾಪನೆ ಮಾಡಿಕೊಳ್ಳುವ – ಬಗ್ಗೆ.</u>

ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳ 200 ಮೀಟರ್ ಅಂತರದಲ್ಲಿ ಗುತ್ತಿಗೆದಾರರು ಸ್ಟಾಕ್‌ಯಾರ್ಡ್‌ಗಳನ್ನು ಗುರುತಿಸಿಕೊಳ್ಳುವುದು ಗುತ್ತಿಗೆದಾರರ ಜವಾಬ್ದಾರಿಯಾಗಿದ್ದು, ಎಲ್ಲಾ ಗುತ್ತಿಗೆದಾರರು ಸ್ಟಾಕ್‌ಯಾರ್ಡ್‌ಗಳ ಸ್ಥಾಪನೆ ಮಾಡಬೇಕಾಗಿರುವ ಬಗ್ಗೆ ಸಭೆಗೆ ವಿವರಿಸಿದರು. ಇದನ್ನು ಆಲಿಸಿದ ಅಧ್ಯಕ್ಷರು ಸಭೆಯ

ಅಭಿಪ್ರಾಯವನ್ನು ಪಡೆದು ಎಲ್ಲಾ ಗುತ್ತಿಗೆದಾರರು ಗುತ್ತಿಗೆದಾರರು ಗುತ್ತಿಗೆ ಹತ್ತಿರ 200 ಮೀಟರ್ ಅಂತರದಲ್ಲಿ ಸ್ಟಾಕ್‌ಯಾರ್ಡ್‌ಗಳನ್ನು ಗುರುತಿಸಿಕೊಂಡು ಸ್ಟಾಕ್‌ಯಾರ್ಡ್‌ಗಳ ಸ್ಥಾಪನೆ ಬಗ್ಗೆ ವರದಿ ಮಾಡಿದಲ್ಲಿ ಅಂತಹ ಸ್ಟಾಕ್‌ಯಾಡ್‌ಗಳನ್ನು ನಿಯಮಾನುಸಾರ ಅಧಿಕೃತಗೊಳಿಸುವ ಬಗ್ಗೆ ಸಭೆಯಲ್ಲಿ ಹಾಜರಿದ್ದ ಗುತ್ತಿಗೆದಾರರಿಗೆ ತಿಳಿಸಿ ಸ್ಟಾಕ್‌ಯಾರ್ಡ್‌ಗಳನ್ನು ನಿರ್ಮಾಣ ಮಾಡುವ ಬಗ್ಗೆ ಇಲಾಖೆಗಳ ಸಹಕಾರ ಅಗತ್ಯವಿದ್ದಲ್ಲಿ ಸಂಬಂಧಿಸಿದ ಎಲ್ಲಾ ಇಲಾಖೆಯ ಅಧಿಕಾರಿಗಳು ಸಹಕಾರ ನೀಡಲು ಸೂಚಿಸಿದರು.

3) <u>ತುಂಗಭದ್ರ ನದಿಪಾತ್ರದಲ್ಲಿ ಅಧಿಸೂಚನೆಗೊಂಡಿರುವ 6 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳನ್ನು ಇ-ಟೆಂಡರ್‌ಗೆ ಒಳಪಡಿಸುವ ಕುರಿತು.</u>

ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳ ಇ-ಟೆಂಡರ್ ಬಗ್ಗೆ ವಿವರಿಸಿದ ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರು ಈಗಾಗಲೆ ಇ-ಟೆಂಡರ್‌ಗೆ ಒಳಪಡಿಸಿ ಟೆಂಡರ್ ಪಡೆಯದೆ ಇ.ಎಂ.ಡಿ ಮೊತ್ತವನ್ನು ಮುಟ್ಟುಗೋಲು ಮಾಡಿಕೊಂಡಿರುವ ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕು ಹುರುಳಿಹಳ್ಳಿ ಮರಳಿನ ಬ್ಲಾಕ್ ನಂ.33 ಮತ್ತು ಹರಿಹರ ತಾಲ್ಲೂಕು ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಅಧಿಸೂಚನೆಗೊಂಡಿರುವ 5 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳನ್ನು ಇ-ಟೆಂಡರ್‌ಗೆ ಒಳಪಡಿಸಲು ಅನುಮತಿ ನೀಡುವ ಬಗ್ಗೆ ಸಭೆಗೆ ವಿವರಿಸಿ ಮಂಡಿಸಿದರು. ಇದನ್ನು ಆಲಿಸಿದ ಅಧ್ಯಕ್ಷರು ಸಭೆಯ ಅಭಿಪ್ರಾಯದೊಂದಿಗೆ ಜಿಲ್ಲೆಯಲ್ಲಿನ 6 ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳನ್ನು ಇ-ಟೆಂಡರ್‌ಗೆ ಒಳಪಡಿಸಲು ಅನುಮತಿ ನೀಡಿದರು.

4) <u>ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕು ಗೋವಿನಕೋವಿ ಮತ್ತು ಹರಳಹಳ್ಳಿ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳ ಮರಳು ಗಣಿಗಾರಿಕೆಯ ಬಗ್ಗೆ.</u>

ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕು ಗೋವಿನಕೋವಿ ಮತ್ತು ಹರಳಹಳ್ಳಿ ಗ್ರಾಮಗಳ ಮರಳಿನ ಬ್ಲಾಕ್‌ಗಳಲ್ಲಿ ಗಣಿಗಾರಿಕೆ ಮಾಡಲು ನಿರ್ಮಿತಿಕೇಂದ್ರ ಇಲಾಖೆಗೆ ವಹಿಸಿರುವ ಗುತ್ತಿಗೆ ಪ್ರದೇಶಗಳಲ್ಲಿ ಮರಳನ್ನು ವಿಲೆಮಾಡುವ ಸಂಬಂಧ ವಿಷಯವನ್ನು ಪ್ರಸ್ತಾಪಿಸಿದ ಯೋಜನಾ ವ್ಯವಸ್ಥಾಪಕರು ನಿರ್ಮಿತಿ ಕೇಂದ್ರ ಇವರು ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕು ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಕಡಿಮೆ ಆದಾಯದ ಮನೆಗಳ ನಿರ್ಮಾಣಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಮರಳನ್ನು ವಿಲೆಮಾಡುತ್ತಿದ್ದು, ತಾಲ್ಲೂಕು ಮಟ್ಟದ ಕೆಲವು ಅಧಿಕಾರಿಗಳು ಫಲಾನುಭವಿಗಳಿಗೆ ಅಗತ್ಯವಿರುವ ಪ್ರಮಾಣಕ್ಕಿಂತ ಹೆಚ್ಚಿನ ಮರಳನ್ನು ನೀಡುವಂತೆ ಪತ್ರ ನೀಡುತ್ತಿರುವುದು ಮತ್ತು ಮದ್ಯಾಹ್ನ 2 ಗಂಟೆಯ ಮೇಲೆ ಪರವಾನಿಗೆ ವಿತರಿಸುವಂತೆ ಕೋರಿಕೆ ಸಲ್ಲಿಸುತ್ತಿರುವುದಾಗಿ ವಿವರಿಸಿ ಇದರಿಂದ ಮರಳು ವಿತರಣೆ ಮಾಡಲು ಕಷ್ಟಸಾಧ್ಯವಾಗುತ್ತಿರುವುದಾಗಿ ಸಭೆಗೆ ವಿವರಿಸಿದರು.

ಮೇಲಿನ ವಿಷಯಗಳನ್ನು ಆಲಿಸಿದ ಅಧ್ಯಕ್ಷರು ಈಗಾಗಲೆ ಕಡೆಮೆ ಆದಾಯದ ಮನೆ ನಿರ್ಮಾಣಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ 12 ಘನ ಮೀಟರ್ ಮರಳು ಅಗತ್ಯವಿರುವುದಾಗಿ ಮತ್ತು ಸದರಿ ಮರಳನ್ನು 2 ಹಂತದಲ್ಲಿ ನೀಡಲು ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಧಿಕಾರಿಗಳು ಮತ್ತು ಇತರೆ ಅಧಿಕಾರಿಗಳಿಗೆ ಸೂಚನೆಗಳನ್ನು ನೀಡಿದ್ದು, ಅದರಂತೆ ಬೇಡಿಕೆ ಪತ್ರಗಳನ್ನು ಸಲ್ಲಿಸುವಂತೆ ಮತ್ತು ಮದ್ಯಾಹ್ನ 2 ಗಂಟೆಯ ನಂತರ ಮರಳಿನ ಪರವಾನಿಗೆ ಸಂಬಂಧ ಸಲ್ಲಿಕೆಯಾಗುವ ಅರ್ಜಿಗಳನ್ನು ಮರುದಿನಕ್ಕೆ ಪರಿಗಣಿಸಿ ಪರವಾನಿಗೆ ನೀಡಲು ಸಭೆಯಲ್ಲಿ ತಿರ್ಮಾನಿಸಿ ಸೂಚಿಸಲಾಯಿತು.

(ಕ್ರಮ: ಕಾರ್ಯ ನಿರ್ವಾಹಕ ಅಧಿಕಾರಿ ಮತ್ತು ಮುಖ್ಯಾಧಿಕಾರಿ ಪಟ್ಟಣ ಪಂಚಾಯ್ತಿ ಹೊನ್ನಾಳಿ)

II) ಟಾಸ್ಕ್ ಫೋರ್ಸ್ ಸಮಿತಿಗೆ ಸಂಬಂಧಿಸಿದ ವಿಷಯಗಳು:-

1) ಕಂದಾಯ ಮತ್ತು ಅರಣ್ಯ ಇಲಾಖೆಯಿಂದ ನಿರಾಕ್ಷೇಪಣೆ ವರದಿ ಸಲ್ಲಿಕೆಯಾಗಿರುವ ಕಲ್ಲು ಗಣಿಗುತ್ತಿಗೆ ಅರ್ಜಿ ಪ್ರದೇಶಕ್ಕೆ ಅಧಿಸೂಚನೆ ಹೊರಡಿಸುವ – ಕುರಿತು.

ಅರ್ಜಿದಾರರ ಹೆಸರು	ಗ್ರಾಮ & ಸ.ನಂ.	ಜಮೀನು	ಕಂದಾಯ ನಿರಾಕ್ಷೇಪಣೆ ಪತ್ರ	ಅರಣ್ಯ ಇಲಾಖೆ ನಿರಾಕ್ಷೇಪಣೆ ಪತ್ರ	ತಾಂತ್ರಿಕ ವರದಿ
ಕೃಷ್ಣನಾಯ್ಕ	ಚಟ್ನಿಹಳ್ಳಿ 40/ಎ	ಪಟ್ಟಾ	ಸಲ್ಲಿಕೆಯಾಗಿರುತ್ತದೆ	ಸಲ್ಲಿಕೆಯಾಗಿರುತ್ತದೆ	ಸಲ್ಲಿಕೆಯಾಗಿರುತ್ತದೆ

ಮೇಲ್ಕಂಡ ವಿವರಗಳನ್ನು ಸಭೆಗೆ ಮಂಡಿಸಿದ ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರು ಕೃಷ್ಣನಾಯ್ಕ ಇವರ ಪಟ್ಟಾ ಜಮೀನಿನಲ್ಲಿ ಸಲ್ಲಿಸಿರುವ ಕಲ್ಲು ಗಣಿಗುತ್ತಿಗೆ ಅರ್ಜಿಪ್ರದೇಶಕ್ಕೆ ಕಂದಾಯ ಮತ್ತು ಅರಣ್ಯ ಇಲಾಖೆಯಿಂದ ನಿರಾಕ್ಷೇಪಣಾ ಪತ್ರಗಳು ಸಲ್ಲಿಕೆಯಾಗಿದ್ದು, ತಾಂತ್ರಿಕ ವರದಿ ಪೂರಕವಾಗಿರುವುದರಿಂದ ಸದರಿ ಅರ್ಜಿ ಪ್ರದೇಶಕ್ಕೆ ಅಧಿಸೂಚನೆ ಹೊರಡಿಸಲು ಏಕಗವಾಕ್ಷಿ ಅಡಿಯಲ್ಲಿ ಅನುಮತಿ ನೀಡಲು ವಿವರಿಸಿ ಮಂಡಿಸಿದರು.

ಮೇಲಿನ ವಿವರಗಳನ್ನು ಪರಿಶೀಲಿಸಿದ ಅಧ್ಯಕ್ಷರು ಅರ್ಜಿ ಪ್ರದೇಶಕ್ಕೆ ಈಗಾಗಲೆ ಸಂಬಂಧಿಸಿದ ಇಲಾಖೆಗಳಿಂದ ನಿರಾಕ್ಷೇಪಣೆ ಪತ್ರಗಳು ಸಲ್ಲಿಕೆಯಾಗಿದ್ದು, ಅರ್ಜಿ ಪ್ರದೇಶವು ತಾಂತ್ರಿಕವಾಗಿ ಪೂರಕವಾಗಿರುವುದರಿಂದ ಅರ್ಜಿ ಪ್ರದೇಶಕ್ಕೆ ಅಧಿಸೂಚನೆ ಜಾರಿ ಮಾಡಲು ಅನುಮತಿ ನೀಡಲಾಯಿತು.

2) ದಾವಣಗೆರೆ ಜಿಲ್ಲೆ ಒಂಟಿಹಾಳು ಗ್ರಾಮದ ಸರ್ವೆ ನಂಬರ್‌ನ ಪಟ್ಟಾ ಜಮೀನಿನಲ್ಲಿ ಮರಳು ಗಣಿಗಾರಿಕೆ ಮಾಡಲು ಅನುಮತಿ ಕೋರಿ ದಾಖಲಿರುವ ಅರ್ಜಿ ಪ್ರದೇಶದ ವಿವರಗಳನ್ನು ಸರ್ಕಾರಕ್ಕೆ ಶಿಫಾರಸ್ಸು ಮಾಡುವ – ಕುರಿತು.

ಅರ್ಜಿದಾರರ ಹೆಸರು	ಗ್ರಾಮ & ಸ.ನಂ.	ಜಮೀನು	ಕಂದಾಯ ನಿರಾಕ್ಷೇಪಣೆ ಪತ್ರ	ಅರಣ್ಯ ಇಲಾಖೆ ನಿರಾಕ್ಷೇಪಣೆ ಪತ್ರ	ಗುಣಮಟ್ಟದ ವರದಿ
ಶ್ರೀ ವೆಂಕಟೇಶ್	ಒಂಟಿಹಾಳು 3/2ಪಿ1	ಪಟ್ಟಾ	ಸಲ್ಲಿಕೆಯಾಗಿರುತ್ತದೆ	ಸಲ್ಲಿಕೆಯಾಗಿರುತ್ತದೆ	ಸಲ್ಲಿಕೆಯಾಗಿರುತ್ತದೆ

ಮೇಲ್ಕಂಡ ವಿವರಗಳನ್ನು ಸಭೆಗೆ ಮಂಡಿಸಿದ ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರು ದಾವಣಗೆರೆ ತಾಲ್ಲೂಕು ಒಂಟಿಹಾಳು ಗ್ರಾಮದ ಸ.ನಂ.3/2ಪಿ1 ಪಟ್ಟಾ ಜಮೀನಿನಲ್ಲಿ ಮರಳು ಗಣಿಗಾರಿಕೆಗೆ ಅನುಮತಿ ಕೋರಿ ಸಲ್ಲಿಸಿರುವ ಅರ್ಜಿ ಪ್ರದೇಶಕ್ಕೆ ಕರ್ನಾಟಕ ಉಪ ಖನಿಜ ರಿಯಾಯಿತಿ ನಿಯಮ 1994 ತಿದ್ದುಪಡಿ ನಿಯಮ 2016 ರ 31Z(A)ರಂತೆ ಅನುಮತಿ ನೀಡಬೇಕಾಗಿದ್ದು, ಅರ್ಜಿ ಪ್ರದೇಶಕ್ಕೆ ಸಂಬಂಧಿಸಿದ ಇಲಾಖೆಗಳಿಂದ ನಿರಾಕ್ಷೇಪಣಾ ಪತ್ರಗಳು ಸಲ್ಲಿಕೆಯಾಗಿದ್ದು, ಮರಳಿನ ಗುಣಮಟ್ಟದ ಬಗ್ಗೆ ವರದಿ ಪೂರಕವಾಗಿರುವುದಿರಂದ ಸದರಿ ಅರ್ಜಿ ಪ್ರದೇಶದಲ್ಲಿದ್ದ ತೊಡಕಿನ ಬಗ್ಗೆ ಬಿ–ರಿಪೋರ್ಟ್ ವರದಿ ಸಲ್ಲಿಕೆಯಾಗಿರುವುದರಿಂದ ಅರ್ಜಿಯನ್ನು ಸರ್ಕಾರಕ್ಕೆ ಶಿಫಾರಸ್ಸು ಮಾಡುವ ಬಗ್ಗೆ ಸಭೆಗೆ ಮಂಡಿಸಿದರು.

ಮೇಲ್ಕಂಡ ವಿವರಗಳನ್ನು ಪರಿಶೀಲಿಸಿದ ಅಧ್ಯಕ್ಷರು ಸದರಿ ಅರ್ಜಿ ಪ್ರದೇಶದ ಬಗ್ಗೆ ಸಭೆಯಲ್ಲಿ ಚರ್ಚಿಸಿ ಬಿಲ್ಲೆ/ರಾಜ್ಯದಲ್ಲಿ ಮರಳಿನ ಬೇಡಿಕೆ ಹೆಚ್ಚಿದ್ದು, ಪಟ್ಟಾ ಜಮೀನುಗಳಲ್ಲಿ ಲಭ್ಯವಿರುವ ಉತ್ತಮ ಮರಳನ್ನು ಬಳಕೆ ಮಾಡಿಕೊಳ್ಳಲು ನಿಯಮದಲ್ಲಿ ಅವಕಾಶವಿರುವುದರಿಂದ ಮೇಲ್ಕಂಡ ಅರ್ಜಿ ಪ್ರದೇಶದ ವಿವರಗಳನ್ನು ಸರ್ಕಾರಕ್ಕೆ ಶಿಫಾರಸ್ಸು ಮಾಡಲು ಸಭೆಯಲ್ಲಿ ತೀರ್ಮಾನಿಸಲಾಯಿತು.

3) <u>ಮೆ॥ ಪಟೇಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಲಿಮಿಟೆಡ್ ಇವರು ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕು ಸಿದ್ದಾಪುರ ಗ್ರಾಮದ ಸರ್ವೆ ನಂಬರ್‌ನಲ್ಲಿ ಮೂಲಭೂತ ಸಂಪರ್ಕ ರಸ್ತೆನಿರ್ಮಾಣ ಮಾಡಲು ಪಡೆದಿರುವ ಮುರಂ ಕಲ್ಲು ಗಣಿಗುತ್ತಿಗೆ ಪ್ರದೇಶದಲ್ಲಿ ಕಟ್ಟಡಕಲ್ಲು ತೆಗೆಯಲು ಅನುಮತಿ ನೀಡುವ – ಕುರಿತು.</u>

ಮೆ॥ ಪಟೇಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಲಿಮಿಟೆಡ್ ಇವರು ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕು ಸಿದ್ದಾಪುರ ಗ್ರಾಮದ ಸರ್ವೆ ನಂಬರ್ 42 ಸರ್ಕಾರಿ ಭೂಪ್ರದೇಶದಲ್ಲಿ 5–00 ಎಕರೆ ವಿಸ್ತೀರ್ಣಕ್ಕೆ ಮುರಂ ಖನಿಜ ತೆಗೆಯಲು ನಿಯಮಾನುಸಾರ ಗುತ್ತಿಗೆ ಪಡೆದಿದ್ದು, ಸದರಿ ಗುತ್ತಿಗೆ ಪ್ರದೇಶದಲ್ಲಿ ಮುರಂ ಖನಿಜಕ್ಕಿಂತ ಹೆಚ್ಚಿನ ಪ್ರಮಾಣದಲ್ಲಿ ಕಟ್ಟಡದ ಕಲ್ಲಿನ ನಿಕ್ಷೇಪ ದೊರೆತಿದ್ದು, ಕಾರಣ ಕಟ್ಟಡದ ಕಲ್ಲನ್ನು ಮುರಂ ಗುತ್ತಿಗೆಯಲ್ಲಿ ಸೇರ್ಪಡೆಗೊಳಿಸಿ ಕಟ್ಟಡದ ಕಲ್ಲನ್ನು ತೆಗೆಯಲು ಅನುಮತಿ ಕೋರಿ ಅರ್ಜಿ ಸಲ್ಲಿಸಿರುವ ಬಗ್ಗೆ ಸಭೆಗೆ ವಿವರಿಸಿ ಸದರಿ ಗುತ್ತಿಗೆ ಪ್ರದೇಶವನ್ನು ವಾನು ಸಹ ಖುದ್ದಾಗಿ ತಪಾಸಣೆ ಮಾಡಿದ ಸಂದರ್ಭಗಳಲ್ಲಿ ಮುರಂ ಗುತ್ತಿಗೆ ಪ್ರದೇಶದಲ್ಲಿ ಕಟ್ಟಡದ ಕಲ್ಲು ದೊರೆತಿರುವುದು ಕಂಡುಬಂದಿರುವುದಾಗಿ ಸಭೆಯ ಗಮನಕ್ಕೆ ತಂದರು ಮತ್ತು ಯಾವುದೇ ಉಪಖನಿಜ ಗಣಿಗುತ್ತಿಗೆಗಳಲ್ಲಿ ಅನುಮತಿ ನೀಡಿರುವ ಖನಿಜವನ್ನು ಪರತುಪಡಿಸಿ ಇತರೆ ಖನಿಜಗಳು ದೊರೆಕಿದಲ್ಲಿ ಅಂತಹ ಖನಿಜವನ್ನು ನಿಯಮಾನುಸಾರ ರಾಜಧನ ಪಾವತಿಸಿಕೊಂಡು ಖನಿಜವನ್ನು ಬಳಿಸಿಕೊಳ್ಳಲು ಕರ್ನಾಟಕ ಉಪಖನಿಜ ರಿಯಾಯಿತಿ ನಿಯಮ 3E ರಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿದ್ದು, ನಿಯಮ 3E ರಂತೆ if new mineral discovered under sub-rule (1) above is a non-specified mineral, place the matter before District Task Force Committee and on its approval include the minor mineral so discovered in the lease deed and allow the holder of the lease to win and dispose of the new mineral ನಂತೆ ನಿಯಮವಿದ್ದು, ನಿಯಮ 3E ರಡಿಯಲ್ಲಿ ಮುರಂ ಗುತ್ತಿಗೆ ಪ್ರದೇಶದಲ್ಲಿ ದೊರೆತಿರುವ ಕಟ್ಟಡದ ಕಲ್ಲನ್ನು ಗುತ್ತಿಗೆಯಲ್ಲಿ ಸೆರ್ಪಡೆಗೊಳಿಸುವ ಬಗ್ಗೆ ಸಭೆಯಲ್ಲಿ ವಿವರಿಸಿ ಮಂಡಿಸಿದರು.

ಗುತ್ತಿಗೆದಾರರ ಹೆಸರು	ತಾಲ್ಲೂಕು	ಗ್ರಾಮ	ಸರ್ವೆ ನಂಬರ್	ವಿಸ್ತೀರ್ಣ	ಗುತ್ತಿಗೆ ಸಂಖ್ಯೆ
ಮೆ॥ ಪಟೇಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಲಿಮಿಟೆಡ್	ಹೊನ್ನಾಳಿ	ಸಿದ್ದಾಪುರ	42	5–00	122

ಮೇಲ್ಕಂಡ ವಿವರಗಳನ್ನು ಪಡೆದ ಅಧ್ಯಕ್ಷರು ಮೆ॥ ಪಟೇಲ್ ಇಂಜಿನಿಯರಿಂಗ್ ಲಿಮಿಟೆಡ್ ಇವರು ಪಡೆದಿರುವ ಮುರಂ ಗುತ್ತಿಗೆ ಪ್ರದೇಶದಲ್ಲಿ ಕಟ್ಟಡದ ಕಲ್ಲು ದೊರೆತಿದ್ದು, ಸದರಿಯವರು ಸರ್ಕಾರದ ಮೂಲಭೂತ ರಸ್ತೆಸಂಪರ್ಕ ಕಾಮಗಾರಿಯನ್ನು ಪಡೆದಿರುವುದರಿಂದ ನಿಯಮ 3E ರಡಿಯಲ್ಲಿ ಸದರಿಯವರ ಅರ್ಜಿಯನ್ನು ಪರಿಗಣಿಸಿ ಗುತ್ತಿಗೆದಾರರಿಗೆ ನಿಯಮಾನುಸಾರ ಕಟ್ಟಡದ ಕಲ್ಲನ್ನು ತೆಗೆದು ಸಾಗಾಣಿಕೆ ಮಾಡಲು ಅನುಮತಿ ನೀಡಲಾಯಿತು.

ಮೇಲಿನಂತೆ ಚರ್ಚಿಸಿ ತಿರ್ಮಾನಿಸಿರುವ ವಿಷಯಗಳ ಬಗ್ಗೆ ಕ್ರಮ ಕೈಗೊಳ್ಳಲು ಮತ್ತು ಮರಳು ಸಮಿತಿಗೆ ಸಂಬಂಧಿಸಿದ ಎಲ್ಲಾ ಇಲಾಖೆಯ ಅಧಿಕಾರಿಗಳು ಪರಸ್ಪರ ಸಹಕಾರದೊಂದಿಗೆ ಹಿಂದಿನ ಸಭೆಯ ನಡವಳಿ ಆದೇಶಗಳು ಮತ್ತು ಸಮಿತಿಗೆ ಸಂಬಂಧಿಸಿದ ಇತರೆ ವಿಷಯಗಳ ಬಗ್ಗೆ ನಿಷ್ಠೆಯಿಂದ ಕಾರ್ಯ ನಿರ್ವಹಿಸಲು ಸೂಚಿಸಿ, ಹಾಜರಿದ್ದ ಎಲ್ಲಾ ಅಧಿಕಾರಿಗಳಿಗೆ ವಂದಿಸಿ ಸಭೆಯನ್ನು ಮುಕ್ತಾಯಗೊಳಿಸಲಾಯಿತು.

ಜಿಲ್ಲಾಧಿಕಾರಿಗಳು
ದಾವಣಗೆರೆ.

ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿಯವರ ಕಾರ್ಯಾಲಯ ಗಣಿ ಮತ್ತು ಭೂವಿಜ್ಞಾನ ಇಲಾಖೆ, ದಾವಣಗೆರೆ

Office of the Senior Geologist, Dept of Mines and Geology, Davanagere – 577005

#1948/1, In front of Anjaneya Temple, Vidyanagar, Davanagere Tel:08192 -231492, E mail Id- sgdavdmg123@gmail.com

ನಂ.ಗಭೂಇ/ಹಿಭೂವಿ/ದಾವಣಗೆರೆ/ಮರಳು/2017–18 ದಿನಾಂಕ:21–09–2017.

ಇವರಿಗೆ,
ಬಿ.ಜೆ. ಸುನೀಲ್ ಕುಮಾರ್
ಪ್ರೋ: ಮೆ॥ ಗ್ಲೋಬಲ್ ಮ್ಯಾನ್‌ಪವರ್ ಎಜೆನ್ಸಿ
ನೂತನ ಕಾಲೇಜು ಹತ್ತಿರ,
ಎಲ್.ಐ.ಸಿ ಕಾಲೋನಿ,
ದಾವಣಗೆರೆ–04

ಮಾನ್ಯರೆ,

ವಿಷಯ: ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕಿನ ಕೋಟೆಹಾಳ್ ಗ್ರಾಮದ ಸ.ನಂ.15,16,17–25 ರ ಪಕ್ಕದ ಮರಳು ಬ್ಲಾಕ್ ಸಂ:04 ಕ್ಕೆ ಹೊಂದಿಕೊಂಡಿರುವ ಮರಳು ಬ್ಲಾಕ್ ವಿವರಗಳಿರುವ ಕ್ಲಸ್ಟರ್ ಮ್ಯಾಪನ್ನು ನೀಡುತ್ತಿರುವ ಕುರಿತು.

ಉಲ್ಲೇಖ: ನಿಮ್ಮ ಮನವಿ ಪತ್ರ ದಿನಾಂಕ:20–09–2017.

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ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಮರಳು ಬ್ಲಾಕ್ ಸಂ:04 ಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ ಇ.ಸಿ. ಕ್ಲಿಯರೆನ್ಸ್ ಪಡೆಯುವ ಸಲುವಾಗಿ ಸದರಿ ಮರಳು ಬ್ಲಾಕ್ ಹೊಂದಿಕೊಂಡಿರುವ ಮರಳು ಬ್ಲಾಕ್‌ಗಳ ವಿವರಗಳಿರುವ ಕ್ಲಸ್ಟರ್ ಮ್ಯಾಪನ್ನು ಒದಗಿಸುವಂತೆ ತಮ್ಮ ಉಲ್ಲೇಖಿತ ಮನವಿಯಲ್ಲಿ ಕೋರಿರುತ್ತೀರಿ.

ಅದರಂತೆ ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕಿನ ಕೋಟೆಹಾಳ್ ಗ್ರಾಮದ ಸ.ನಂ.15,16,17–25 ರ ಪಕ್ಕದ ಮರಳು ಬ್ಲಾಕ್ ಸಂ:04 ಕ್ಕೆ ಹೊಂದಿಕೊಂಡಂತಿರುವ ಮರಳು ಬ್ಲಾಕ್ ವಿವರಗಳು ಕೆಳಕಂಡಂತಿವೆ.

ಕ್ರ ಸಂ	ಗ್ರಾಮದ ಹೆಸರು	ಮರಳು ಬ್ಲಾಕ್ ಸಂಖ್ಯೆ	ಮರಳು ಬ್ಲಾಕ್ ವಿಸ್ತೀರ್ಣ(ಎಕರೆ)	500 ಮೀಟರ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಇರುವ ಬ್ಲಾಕ್ ವಿಸ್ತೀರ್ಣ (ಎಕರೆ)
1	ಕೋಟೆಹಾಳ್(ಬಿ.ಜೆ. ಸುನೀಲ್ ಕುಮಾರ್)	04	15–00	15.00
2	ಹೊಸಹಳ್ಳಿ	31	15–00	14.23
	ಒಟ್ಟು		30–00 ಎಕರೆಗಳು (12.14.ಹೆ)	29.23 ಎಕರೆಗಳು (11.83.ಹೆ)

ಮೇಲ್ಕಂಡ ವಿವರಗಳಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ದೃಢೀಕರಿಸಿದ ಕ್ಲಸ್ಟರ್ ಮ್ಯಾಪನ್ನು ಈ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಿ ನೀಡಿದೆ.

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

21/9/17

ಹಿರಿಯ ಭೂವಿಜ್ಞಾನಿ(ಪ್ರ)
ದಾವಣಗೆರೆ.

D:drive/Year16-17/Sand/Sand releted letter

SKETCH SHOWING THE DETAILS OF EXISTING SAND BLOCK FALLS WITH IN 500 MTRS FROM Sri B.J. SUNIL KUMAR SAND BLOCK NO.04 IN KOTEHALU VILLAGE,HONNALI TALUK, DAVANGERE DIST.

ಗ್ರಾಮ ಕೋಟೆಹಾಳು

ಹೋಬಳಿ ಹೊನ್ನಾಳಿ

ತಾಲ್ಲೂಕು ಹೊನ್ನಾಳಿ

ಜಿಲ್ಲೆ ದಾವಣಗೆರೆ

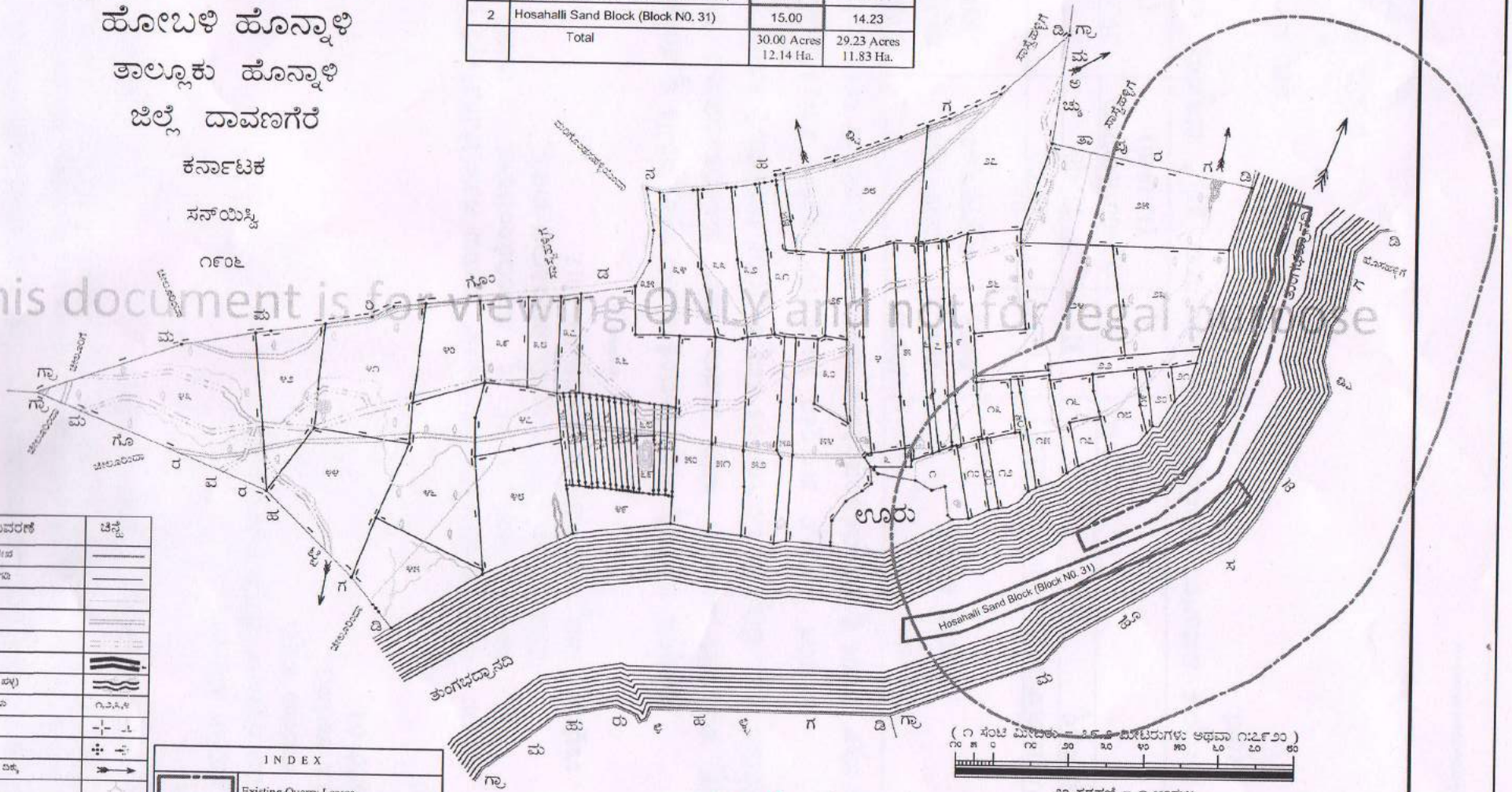
ಕರ್ನಾಟಕ

ಸನ್‌ಯಿಸ್ಸಿ

೧೯೦೬

DETAILS OF EXISTING SAND BLOCK LEASE FALLS WITH IN 500 MTRS

Sl No.	Name Of Lessee	Area in Acres	Area Covered with in 500m
1	B.J.Sunil Kumar Sand Block (Block No. 04)	15.00	15.00
2	Hosahalli Sand Block (Block N0. 31)	15.00	14.23
	Total	30.00 Acres 12.14 Ha.	29.23 Acres 11.83 Ha.



ವಿವರಣೆ	ಚಿನ್ಹೆ
ಗ್ರಾಮದ ಗಡಿ ರೇಖೆ	
ಸರ್ವೇ ನಂಬರು ಗಡಿ	
ಕಾಲು ದಾರಿ	
ಬಂಡಿ ದಾರಿ	
ನಾಲಾ	
ಗದ್ದ	
ಹಳ್ಳ (ಕೊರಕಲು ಹಳ್ಳ)	
ಸರ್ವೇ ನಂಬರುಗಳು	೧,೨,೩,೪
ಬಾಂದುಗಳು	
ಕಲ್ಲುಗಳು	
ನೀರು ಹರಿಯುವ ದಿಕ್ಕು	
ದೇವಸ್ಥಾನ	
ದೊಡ್ಡ ಮರಗಳು	
ಇತರೆ (ಕಾರುಬಾರು) ಗಡಿಗಳು	

INDEX	
	Existing Quarry Leases
	500 mtrs Boundary from Sri B.J.Sunil Kumar sand block

(೧ ಸೆಂಟಿ ಮೀಟರು = ೨೯.೫ ಮೀಟರುಗಳು ಅಥವಾ ೧:೨೯೫೦)

೨೦ ಸರಪಣಿ = ೧ ಅಂಗುಲ

೧ ಸರಪಣಿ = ೩೩ ಅಡಿಗಳು

ಭೂಮಾಪನ ಆಯುಕ್ತರ ಪ್ರಧಾನ ಕಛೇರಿಯಲ್ಲಿ ತಯಾರಿಸಿದ್ದು ಸನ್‌ಯಿಸ್ಸಿ

ಬೆಂಗಳೂರು ೧೯೭೧

ಈ ಗ್ರಾಮದ ಆಪೈರು ನಂಬರು ಇರುತ್ತದೆ

೭.೨

ಉಪ ಭೂವಿಜ್ಞಾನಿ 21/9/17

ಗ.ಭೂ.ಇ. ದಾವಣಗೆರೆ.

Sunil Kumar

सत्यमेव जयते

INDIA NON JUDICIAL

Government of Karnataka

e-Stamp

Certificate No.	:	IN-KA25794878318682P
Certificate Issued Date	:	02-Nov-2017 11:49 AM
Account Reference	:	SHCIL (FI)/ ka-shcil/ DAVANAGERE/ KA-DV
Unique Doc. Reference	:	SUBIN-KAKA-SHCIL01666981415187P
Purchased by	:	B J SUNIL KUMAR S O JAYADEVAPPA J B G M P A
Description of Document	:	Article 12 Bond
Description	:	LOAN AGREEMENT
Consideration Price (Rs.)	:	0 (Zero)
First Party	:	B J SUNIL KUMAR S O JAYADEVAPPA J B G M P A
Second Party	:	TIMMAPPA S O BHEEMAPPA GOVINDKOVI
Stamp Duty Paid By	:	B J SUNIL KUMAR S O JAYADEVAPPA J B G M P A
Stamp Duty Amount(Rs.)	:	100 (One Hundred only)

NOTARY K.M. MALLIKARJUNAPPA DVG City Reg Law No. Government Of Karnataka

Stock Holding Corporation of India Ltd Davangere.

Please write or type below this line

ಭೋಗ್ಯದ ಕರಾರು ಪತ್ರ

ಸನ್ ಎರಡು ಸಾವಿರದ ಹದಿನೇಳನೇ ಇಸ್ವಿ ನವೆಂಬರ್ ಮಾಹೆ ತಾರೀಖು: ದಿನಾಂಕ 02-11-2017 ರಲ್ಲಿ ದಾವಣಗೆರೆ ಜಿಲ್ಲೆ, ದಾವಣಗೆರೆ ಸಿಟಿ **ಗ್ಲೋಬಲ್ ಮ್ಯಾನ್‌ಪವರ್** ಎಜೆನ್ಸಿ ಮಾಲೀಕರಾದ ಶ್ರೀ ಬಿ. ಜೆ. ಸುನೀಲ್‌ಕುಮಾರ್ ಬಿನ್ ಜಯದೇವಪ್ಪ ಜೆ. ಬಿ.(ಭೋಗ್ಯದಾರರು)ಆದ ಇವರಿಗೆ,

Continue..

ದಾವಣಗೆರೆ ಜಿಲ್ಲೆ, ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕು ಗೋವಿನಕೋವಿ ಹೋಬಳಿ, ಕೋಟೆಹಾಳ್ ಗ್ರಾಮದ **ಶ್ರೀ ಜೆ. ತಿಮ್ಮಪ್ಪ ಬಿನ್ ಕರಿಯಪ್ಪ** ಆದ ನಾನು ಬರೆದು ಕೊಟ್ಟ ಖಾಲಿ ಖಿಷ್ಕಿ ಜಮೀನಿನ ಭೋಗ್ಯದ ಕರಾರು ಪತ್ರವೇನೆಂದರೆ

ದಾವಣಗೆರೆ ಜಿಲ್ಲೆ, ಹೊನ್ನಾಳಿ ತಾಲ್ಲೂಕು ಗೋವಿನಕೋವಿ ಹೋಬಳಿ, ಕೋಟೆಹಾಳ್ ಗ್ರಾಮ ಪಂಚಾಯಿತಿಗೆ ವ್ಯಾಪ್ತಿಗೆ ಒಳಪಟ್ಟಿರುವ ರೀ.ಪ.ನಂ. 20 ವಿಸ್ತೀರ್ಣ:0.33 ಗುಂಟೆ ಜಮೀನು ನಮ್ಮಗಳ ಹೆಸರಿಗೆ ಇದ್ದು ಇದಕ್ಕೆ **ಚಕ್ಕುಬಂಧಿ: ಪೂರ್ವಕ್ಕೆ:** ತಿಮ್ಮಪ್ಪ / ಭೀಮಪ್ಪ **ಪಶ್ಚಿಮಕ್ಕೆ:** ಮಂಜುನಾಥಗೌಡ / ರುದ್ರಪ್ಪ **ಗೌಡ, ದಕ್ಷಿಣಕ್ಕೆ:** ತುಂಗಾಭದ್ರಾನದಿ, **ಉತ್ತರಕ್ಕೆ:** ರಸ್ತೆ ಇದ್ದು ಇವುಗಳ ಮದ್ಯ ಇರುವ ಖಾಲಿ ಜಾಗವನ್ನು ನೀವು ಕೋಟೆಹಾಳ್ ಬ್ಲಾಕ್ ನಂ.4, ವಿಸ್ತೀರಣ 15.00 ಎಕರೆ, ಸರ್ವೆ ನಂ.15, 16, 17-25ರಲ್ಲಿ ಮರಳು ಗಣಿಗಾರಿಕೆ ನಡೆಸಲು ಸಂಬಂಧಪಟ್ಟ ಇಲಾಖೆಯಿಂದ ಅನುಮತಿ ಪಡೆದುಕೊಂಡಿರುತ್ತೀರಿ. ಆದ ಕಾರಣ ನನ್ನ ಜಮೀನಿನಲ್ಲಿ ಮರಳು ದಾಸ್ತಾನು (ಸ್ಟಾಕ್‌ಯಾರ್ಡ್) ಮಾಡಿ ಅದರಿಂದ ನ್ಯಾಯಸಮ್ಮತವಾಗಿ ನಿಮ್ಮ ವ್ಯವಹಾರವನ್ನು ನಡೆಸಿಕೊಂಡು ಹೋಗಲು ನೀವು ಕೇಳಿದ ವಾಯಿದೆ ನಿಮಗೆ ಸಿಗುವಂತಹ ದಿನಾಂಕದಿಂದ **05(ಐದು)** ವರ್ಷಗಳ ತನಕ ನಿಮ್ಮ ಸ್ಟಾಕ್‌ಯಾರ್ಡ್ ನಡೆಸಿಕೊಂಡು ಹೋಗಲು ಹಾಗೂ ಮಳೆ, ಬೆಳೆ ಸರಿಯಾಗಿಲ್ಲದ ಕಾರಣ ಈಗಿನ ನನ್ನ ಗೃಹಕೃತ್ಯದ ಸಲುವಾಗಿ ಒಂದು ವರ್ಷಕ್ಕೆ **ರೂ.30,000=00** (ಮುವತ್ತು ಸಾವಿರ ರೂಪಾಯಿ) ಭೋಗ್ಯಕ್ಕೆ ಕೊಟ್ಟಿರುತ್ತೇನೆ. ಮತ್ತು ಐದು ವರ್ಷದ ಒಟ್ಟು ಮೊತ್ತ ರೂ.1,50,00=00(ಒಂದು ಲಕ್ಷದ ಐವತ್ತು ಸಾವಿರ ರೂಪಾಯಿ)ಗಳನ್ನು ಈ ಕೆಳಕಂಡ ಸಾಕ್ಷಿಗಳ ಸಮಕ್ಷಮ ನಗದು ಹಣವನ್ನು ಪಡೆದುಕೊಂಡಿರುತ್ತೇನೆ. ಮತ್ತು ಸದರಿ ಸೊತ್ತನ್ನು ವಾಯಿದೆ ಮುಗಿದ ನಂತರ ನೀವು ಯಾವುದೇ ಸಬೂಬು ಹೇಳದೇ ಆ ಜಾಗವನ್ನು ನಮ್ಮ ಸ್ವಾಧೀನಕ್ಕೆ ಬಿಟ್ಟುಕೊಡತಕ್ಕದ್ದು. ಈ ಭೋಗ್ಯದ ವಿಚಾರಕ್ಕೆ ಯಾವುದೇ ತಂಟೆ-ತಕರಾರುಗಳು ಇರುವುದಿಲ್ಲವೆಂದು ನಾವುಗಳು ಆತ್ಮ ಸಂತೋಷದಿಂದ ಓದಿ ತಿಳಿದು ಒಪ್ಪಿಕೊಂಡು ಭೋಗ್ಯದ ಕರಾರು ಪತ್ರಕ್ಕೆ ಸಹಿ ಮಾಡಿರುತ್ತೇವೆ.

ಭೋಗ್ಯದಾರರ ಸಹಿ

ಮಾಲಿಕರ ಸಹಿ

For Global Manpower Agency

Proprietor

ಸಾಕ್ಷಿಗಳು

1) Naveed

2)

NOTARY
K.M. MALLIKARJUNA
M.A., LL.B.
DVG City Revenue Taluk
Reg Law No: 223/LCL-2016
Government Of Karnataka

ATTESTED BY ME

NOTARY
DAVANGERE CITY

2/11/17

ಗ್ರಾಮ ನಮೂನೆ 2 ತಾಲ್ಲೂಕು 1 4 2 1 1 2 3 5 4 7 ಹೋಬಳಿ:

ರೆಕಾರ್ಡ್ ಆಫ್ ರೈಟ್ಸ್, ಗೇಣಿ ಮತ್ತು ಪಹಣಿ ಪತ್ರಿಕೆ (R.T.C) ಫಾರಂ ನಂ. 16

Valid from 11/12/2011 11:41:00 To Till Date | Print Page No: 1/Village Account Form No. 2

1. ಸರ್ವೆ ನಂಬರು	3. ಪೋಟಿಹಿಸ್ಸೆ	ಎಕರೆ ಗುಂಟೆ	4. ಕಂದಾಯ	ರೂ. ಪೈ.	9. ಕಬ್ಜೆದಾರರ ಹೆಸರು ಮತ್ತು ವಿಳಾಸ	ವಿಸ್ತೀರ್ಣ ಎ ಗುಂ	ಖಾತೆ ನಂ.	10. ಕಬ್ಜೆ ಅಥವಾ ಸ್ವಾಧೀನತೆ ರೀತಿ	11. ಇತರ ಹಕ್ಕುಗಳು ಮತ್ತು ಋಣಗಳು
20	ಒಟ್ಟು ವಿಸ್ತೀರ್ಣ	0.20.00.00	(ಅ) ಭೂ ಕಂದಾಯ	0.60	ತಿಮ್ಮಪ್ಪ ಬಿನ್ ಭೀಮಪ್ಪ	0.19.00.00	259	MR 101/2007 2008 ದಿನಾಂಕ 25/04/2008	MR H48/2011-2012 ... PACS ... 20000/ ...
	ಖರಾಬ್ (ಅ)	0.01.00.00	(ಬ) ಜೋಡಿ						
	ಖರಾಬ್ (ಬ)		(ಕ) ಸೆಸ್ಸುಗಳು						
	ಉಳಿದದ್ದು	0.19.00.00	(ಡ) ನೀರಿನ ದರ						
2. ಹಿಸ್ಸಾ 2			ಒಟ್ಟು	0.60					

5. ಮಣ್ಣಿನ ನಮೂನೆ	6. ಪಟ್ಟಾ
ಮರಳು	ಸರ್ಕಾರಿ

7. ಮರಗಳ ಸಂಖ್ಯೆ / 8. ಪದ್ಧತಿ ಪ್ರಕಾರ ನೀರಾವರಿಯ ವಿಸ್ತೀರ್ಣ

ಹೆಸರು	ಸಂಖ್ಯೆ	ಕ್ಷಿ. ಪ.	ನೀರಾವರಿ ಮೂಲ	ಮುಂಗಾರು	ಹಿಂಗಾರು	ಬೇಸಿಗೆ	ಒಟ್ಟು
ಮಾವು	1	1	ಮಳೆ	0.19.0.0			0.19.0

12. ಸಾಗುವಳಿ ಮತ್ತು ಗೇಣಿಯ ವಿವರಗಳು / 13. ಭೂಮಿಯ ಉಪಯೋಗ ಮತ್ತು ಬೆಳೆಗಳ ವಿವರ

ವರ್ಷ ಮತ್ತು ಕಾಲ 1	ವ್ಯವಸಾಯಗಾರನ ಹೆಸರು ಮತ್ತು ವಿಳಾಸ 2	ಸಾಗುವಳಿ ಪದ್ಧತಿ 3	ಗೇಣಿಯ ವಿವರ ವಿಸ್ತೀರ್ಣ ಎ ಗುಂ 4	ಗುತ್ತಿಗೆ 5	ಭೂಮಿಯ ಉಪಯೋಗ ವರ್ಗ 6	ವಿಸ್ತೀರ್ಣ ಎ ಗುಂ 7	ಮಿಶ್ರ, ಶುದ್ಧ, ಬಾಗಾಯ್ತು 8	ಬೆಳೆಯ ಹೆಸರು 9	ಅಮಿಶ್ರ 10	ಮಿಶ್ರ 11	ಒಟ್ಟು 12	ನೀರಾವರಿ ಮೂಲ 13	ಎಕರೆಗೆ ಉತ್ಪತ್ತಿ 14	ಮಿಶ್ರ ಬೆಳೆ ಹೆಸರು 15	ವಿಸ್ತೀರ್ಣ 16
2016-2017 ಹಿಂಗಾರು	ತಿಮ್ಮಪ್ಪ ಭೀಮಪ್ಪ	ಸ್ವಂತ			9	0.33.0.0	ಖುಷ್ಕಿ	ಖಾಲಿ	0.33.0.0	0.33.0.0		3 M			
2016-2017 ಮುಂಗಾರು	ತಿಮ್ಮಪ್ಪ ಭೀಮಪ್ಪ	ಸ್ವಂತ			9	0.33.0.0	ಖುಷ್ಕಿ	ಖಾಲಿ	0.33.0.0	0.33.0.0		3 M			
2016-2017 ಬೇಸಿಗೆ	ತಿಮ್ಮಪ್ಪ ಭೀಮಪ್ಪ	ಸ್ವಂತ													