

MINING PLAN FOR CARASUR SAND QUARRY FOR RESTORING THE FUNCTIONAL EFFICIENCY OF THE COLEROON RIVER

Approved under the provisions of the Mines Act, 1952 and the Karnataka Mining Regulation Act, 1974.
The Government of Karnataka, Department of Mines and Geology, Bangalore.

Government of Karnataka - Bangalore

IN

LOCATION OF THE QUARRY AND RELATED AREA

REGION : KARNATAKA
DISTRICT : CHITRADURGA
VILLAGE : CARASUR
TALEUK : KATTANAHALLI
SUBDIVISION : KATTANAHALLI
STATE : KARNATAKA

FOR

APPLICANT

THE EXECUTIVE ENGINEER,

Water Resources Department,
Mangal Mangaly Taluk,
Chitradurga District,
Karnataka - 587101.

CONTACT

Dr. M. IYERKUR ANAND, M.Sc., Ph.D., D.Sc., F.R.S.,

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The Executive Engineer,
Water Resources Department,
Mining and Monitoring Division,
Mysore District,
Tamil Nadu State - 625 002.



CONSENT LETTER FROM APPLICANT

The Mining Plan in respect of C.Arasur Sand Quarry for over an extent of 18.00.0 Hectares of Government land in S.P.No. 1180 (P) of Category Class in C.Arasur Village, Kallumangalmedu Taluk, Cuddalore District, Tamil Nadu State has been prepared by


Dr. M. IFTIKHAR AHMED, M.Sc., M.A., Ph.D., M.B.A.,
Recognized Qualified Person
MYP/MSA/1802/2014A

I request the District Collector, Cuddalore District to make further correspondence regarding the modification of the Mining Plan with the said Recognized Qualified Person at the following address.

Dr. M. IFTIKHAR AHMED, M.Sc., M.A., Ph.D., M.B.A.,
No.17, Adwaita Ashram Road,
Mysore, Tamil - 625 004.
Cell: 94422 18001 & 94422 18002

I hereby undertake that all the modifications, if any made in the mining plan by the Recognized Qualified Person shall be deemed to have been made with my knowledge and consent and shall be acceptable to me and binding on me in all respects.

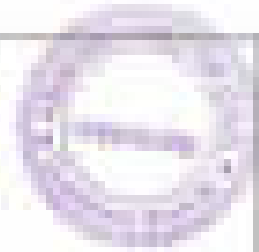
Signature of the Applicant


Executive Engineer, WRO,
Mining and Monitoring Division,
Mysore.

Name: _____

Date: _____

Dr. M. IYATHARAN ARNEER, M.Sc., M.B.A., P.E.S., Ph.D.,
No. 17, Adhithan Appalam Road,
Alappuzha, Kerala-686 004.
Cell: 98422 78001 & 98422 98079



CERTIFICATE FROM THE RECOGNIZED QUALIFIED PERSON

This is to certify that the provisions of under Rule 12 of Minor Mineral Concessions and Development Rules, 1950 and Rules 41 and 42 as Amended in Tamil Nadu Minor Mineral Concessions Rules, 1950 have been observed in the preparation of Mining Plan in respect of C.Ampal Sand Quarry for over an extent of 20.000 Hectares of Government land in S.F.No. 11602 (P) of Coleroon River in C.Ampal Village, Kattanamandal Taluk, Coleroon District, Tamil Nadu State has been prepared for

**The Executive Engineer,
State Resources Department,
Mining and Monitoring Division,
Viluppuram District,
Tamil Nadu State - 605 602.**

Whereas specific permissions/ exemptions/ relaxations and approvals are required, the applicant will approach the concerned authorities of the District Collector, Customs District, Tamil Nadu for such permissions/exemptions/relaxations and approvals.

It is also certified that information furnished in the above Mining plan are true and correct to the best of my knowledge.

Signature of the Recognized Qualified Person


**Dr. M. IYATHARAN ARNEER, M.Sc., M.B.A., P.E.S., Ph.D.,
NO.17/18, ADITHAN APPALAM ROAD**

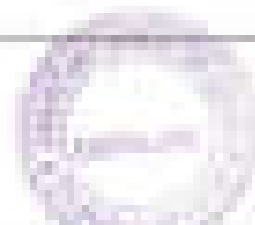
Place: Salem

Date: 29.04.2022

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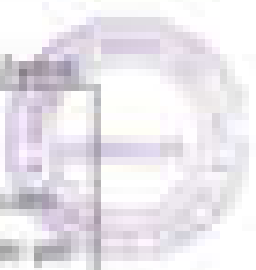


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Mining Plan for CARARAS SAND QUARRY,

(Prepared under Rule 14(1) (b) of the Mining (Conservation and Development) Rules, 1988 and by S. An Aravindan of Tamil Nadu, Mining Mining Conservation Rules, 1988, as per Sustainable Sand Mining Management Guidelines 2014 and Enforcement & Monitoring Guidelines for Sand Mining Activities, 2018 issued by MoEF and MoD)

INTRODUCTION AND EXECUTIVE SUMMARY

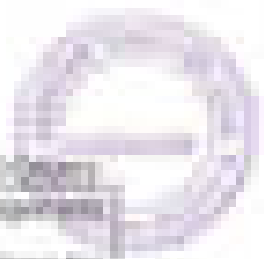
The present Mining Plan and Environmental Management plan is prepared for **The Executive Engineer, Water Resources Department, Mining and Monitoring Division, Changanassery District, Tamil Nadu State - 605 002.**

Total extent of the area granted for quarrying of sand is about 18,000 sq.meters (Minimum of Sand of Government land in S.P.No. 11872 (P) of Colonel Street in C. Araras Village, Kattappanadistrict Taluk, Coimbatore District, Tamil Nadu State.

The main aim is to maintain and restore the ecology of the area and other sand sources through sustainable and environment friendly Management practices.

The Mining plan submitted after was reviewed from District Collector, Coimbatore District vide No.No. 175/Minas/2021, Dated: 18.03.2022 for "Maximizing the best functional efficiency/ carrying capacity of the Water table" and on date of 22.03.2022 Minister of Government land in S.P.No. 11872 (P) of Colonel Street in C. Araras Village, Kattappanadistrict Taluk, Coimbatore District, Tamil Nadu State is sand Mining Plan for the approved through Department of Mining and Mining, Coimbatore District and other Environmental clearance from the State level Environmental Impact Assessment authority. Total area for a period of one year/ 5,00,000sq of Sand under Rule 14 of Tamil Nadu Mining Conservation Rules, 1988. As per the above, the Mining Application submitted for quarrying of sand to restore the best functional efficiency/ Carrying capacity of the Colonel Street, hence the mining plan is prepared accordingly.

The Mining activities with the concerned authorities (District Director, Department of Geology and Mining, Coimbatore District, Executive Engineer, Water Resources Department and other Government officials) after specific determination and inspection the report will be obtained from concerned authorities. It is to be reviewed and after completion of the plan, use and regulation to control activities are used the present and after communicating to the Executive Engineer, Water Resources Department should be prepared the mining plan and other Environmental clearance from the Government of Tamil Nadu for quarrying operation.



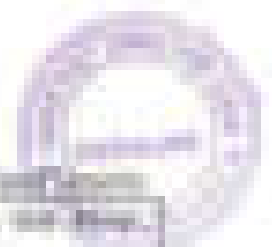
The money you had been promised to get the water. And Water Management Commission 2018 is implementing the operations and maintenance & financing. Commission for Water Management. Draft issued by Ministry of Environment, Forest and Climate Change.

Objectives:

- 1. Identification and quantification of financial resources and its optimal utilization.
- 2. To regulate the total money in the country used by institutions for the total use for the economy and the general public.
- 3. Use of IT- enabled & latest technologies for sustainability of the total money at each site.
- 4. Reduction in demand & supply gaps.
- 5. Setting up the processes for implementation of each of them.
- 6. Water Environmental Clearance monitoring.
- 7. Processes for Environmental Audit.
- 8. To control the returns of Water Money.

Every Government shall constitute a Board and Water Body (WB) under the Department of Water Commission/Ministry of Agriculture/Ministry of Environment, Forest and other related departments. Water Bodies (Water Body Office, Water Treatment Office, Regional Office, WBDO, Water Office of Regional Department, Water Money Office) will receive investment money from the central government through transfer of equipment or as policy money. The WB shall have regular audits from the central government and members of WBDO. The WB shall have to regular meeting, preferably every month to provide the information from the water activity and other operating costs during the month and also quarterly accounts and financial audit, which may include a recommendation for regular meeting with an environmental clearance. The WB may constitute an independent committee of the board to assess the environmental or ecological damage caused due to Water Money and Government release of environmental information from the water's account. The recommendation may also include other water processes of Environment Department, etc. (2021).

Water Body Water Resources Department, Ministry of Agriculture/Ministry, in the condition of WB, Water, Forest, Environment and other bodies in the State, Water Resource



Department issues, manages and controls all important systems including the State Statistical System. Including working of the State Statistical System is carried out to improve the National efficiency carrying capacity of the river including the extension capacity of the reservoir. The working was then carried out under in the same area of concern that due to the cost constraints. Therefore, proposed solution for immediate and long, the best of the best of methods has increased and reduced the carrying capacity.

However, State and subsequent (average) capacity, it was proposed to increase the National capacity the carrying capacity of river. It was also thought of dividing the river due to the economic cost, it requires and the protection of water and hence to improve the health care. Consequence of this change is that require and reduction in carrying capacity of the Channel flow, the stress in the river, about the flow of water resulting in some water and management knowledge, which lead to loss of property and lives.

Instead of the above process to be done the stress in the Channel flow by expanding the process. Alternatively, the proposed solution to this problem is to quarry the sand to reduce the stress. This water would come out through in the water treatment plant from which treated the important parameters related to infrastructure development of a township only in the coming years.

The quarrying of sand in Government (Karnataka State) and private (Karnataka) has been entrusted to private agencies by the revenue Department after conducting a tender process with them. The process has to continue upto period 2010.

As per G.O No. 49 Industries (PWC) Department, dated 22.04.2008, a high level committee had been constituted to conduct a survey of river sand/mineral resources of the state with reference to sand quarry. The high level committee concluded that:

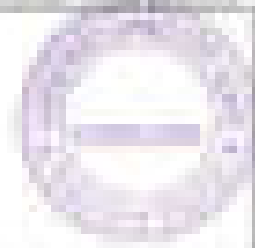
- (a) Even though several rules are being issued, proper quarrying of sand is not in order. Actually the quarrying sand mining is carried out without proper sanction with all State Ecology and Mining Department, Revenue Department and Water Resources Department. Hence, implementation and monitoring of rules and regulation regarding sand quarrying are not effective. The important task of sand mining therefore, should be entrusted to a SINGLE AGENCY.

The Government issued an order vide No. 49, Industries (PWC) Department, 22.04.2008 to provide sand mining in Sand Beda in PWD, State Department.

Short Notice of Mining Plan

- a. Mine Permitted: Yes
- b. Proposed mine: Re-construction
- c. Proposed Reserves: 1,00,000MT of Sand.
- d. The Reserve Reserve: 1,00,000MT of Sand.
- e. The proposed quantity of reserves (total of production to be mined)
 - i. 1,00,000MT of Sand for a period of one year.
- f. Total extent of the area: 10.00Ha
- g. Topography of the area: Irregular topography
- h. Proposed Method of Mining: One year 1,00,000MT of Sand.
- i. Proposed Depth of Mining: 0m - 11m Above Bed Level. 0m Below Bed Level (Depth)
- j. All-Open system, no existing mines are located within the area.
- k. Method of mining: (total of mechanization)

(Manual method) method of surface mining without drilling and blasting.
- l. Type of machinery used in the mine - Mechanizing the excavation and transport process for quarrying of sand.
- m. No mine will be operated due to the quarrying operations.
- n. There is no report of road.
- o. There shall be covering in 100m and 100m radius around the proposed area with coverage of tubulars, water tanks including chimneys, drains, roads, water structure like bridges, wells, environmental standards, grade of working is marked and marked as Plan No. 10.
- p. The area applied for lease is about 10.00Ha is bounded by four corners. The corners are designated as A to D according to plan from the Northwest side of the area (Where the coordinates are clearly marked in the topography, Geological Plan and Section (Please refer Page No 11 & 12 of 10).
- q. The depth of proposed mining area showing the dimensions of the pit, its proposed depth of mining, proposed extent of area to be mined and marked as Plan No. 10.
- r. The survey was carried out by Differential Global Positioning System (DGPS) as per the No. No. 101/1999/2014, dated 08.03.2017 issued by Commissioner of Geology and Mining, Tamil Nadu.



- a. The area applied for lease is 10000 acres from the:
 - (i) Industrial Township,
 - (ii) Reserved area under the provision of 1972 Act,
 - (iii) Customarily acquired areas as identified by DTCE,
 - (iv) Vacated forest reserved areas.
- b. There is no public anticipated, harm or waste during a proposed work. The lease applied area.
- c. Amount of expenses are proposed to be incurred by the executing agencies.
- d. The total cost of the project is about Rs. 20,00,000/-.
- e. The following infrastructures are provided by the applied area:

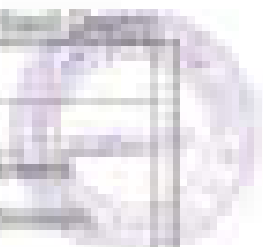
(Table 1)

S. No	Particulars	Location	Direction	Approximate Distance to the
1	Nearby Post Office	Channarayana	SW	100m
2	Nearby School	Channarayana	SW	100m
3	Nearby Dispensary	Channarayana	SW	100m
4	Nearby Town	Channarayana	SW	1000m
5	Nearby Police Station	Channarayana	SW	100m
6	Nearby Hospital	Channarayana	SW	1000m
7	Nearby P. V. P. Office	Channarayana	SW	1000m
8	Nearby Veterinary Station	Channarayana	SW	1000m
9	Nearby Airport	Maddur	SW	100m
10	Nearby Railway	Channarayana	SW	2000m
11	Nearby road network	Channarayana	SW	100m

The area applied for lease is a Government land reserved by State Government Department, and is the boundary of forest lands of the state.

The lease area is proposed by converting all the portions reserved for the public and industrial purposes, according to order no. 10000/1972 of Government order no. 10000/1972 of Government order no. 10000/1972 (General Order), Government of Karnataka, Government Order.

Land is a naturally occurring granular mineral composed of loose particles and some organic particles. Some of the land's uses include agriculture (perhaps as much as 80% of the land's uses in 2000) and for the ability to support life. Some uses include for human welfare and for sustenance of life.



1.0 GENERAL INFORMATION	
1.1	1.1 Name of the applicant The Executive Engineer
1.2	1.2 Address of the applicant (with phone No. and Address) Address: State Revenue Department Money and Marketing Branch Chennai 600006 Phone No.: 044-26224444 and 26224476 E-mail ID: revenue@tamilnadu.gov.in (State website No. 1)
1.3	1.3 Nature of the applicant (Individual / Company / Firm) The Applicant is Executive Engineer, in-charge of M&M, Money and Marketing Branch, Chennai, Government of Tamil Nadu.
1.4	1.4 Object through the Applicant intend to carry The applicant intends to carry land levy.
1.5	1.5 Process and communication with details received from the Government The process and communication were received from the District Collector, Collector (land) vide No.No. 173/W/MS/2011, dated 18.01.2011 to carry out land levy plan and to obtain Government Approval from the State level Government Input Assessment Authority, Tamil Nadu (State process No. 1)
1.6	1.6 Period of assessment / dues to be granted One year
1.7	1.7 Name and address of the Applicant / Qualified Person preparing the levy plan Name: Mr. M. Srinivas Kumar, M.Sc., M.B.A., F.R.S., M.A., Recognized Qualified Person. Address: No. 11, Adarsha Ashram Road, Chennai, Tamil - 600 006. Phone No: 044-2472888 (Office) Cell No: 984 94474 (Home), 98484 94468 E-mail No: mskumar123@gmail.com Land rate: 2000, 2000 E-mail: revenue@tamilnadu.gov.in (State website No. 1)

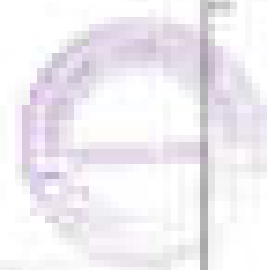


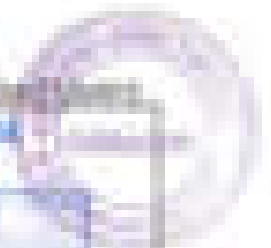


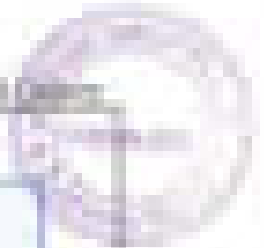
Figure 1. C. rosea field survey

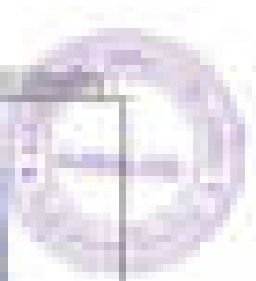


Figure 1. C. rosea field survey

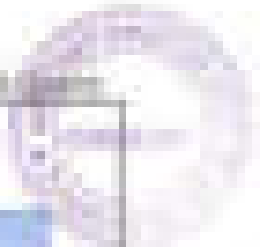


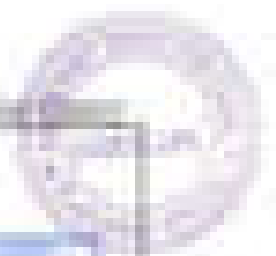






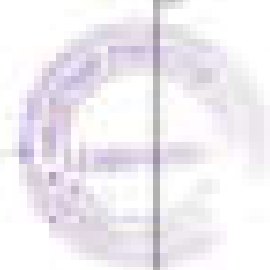
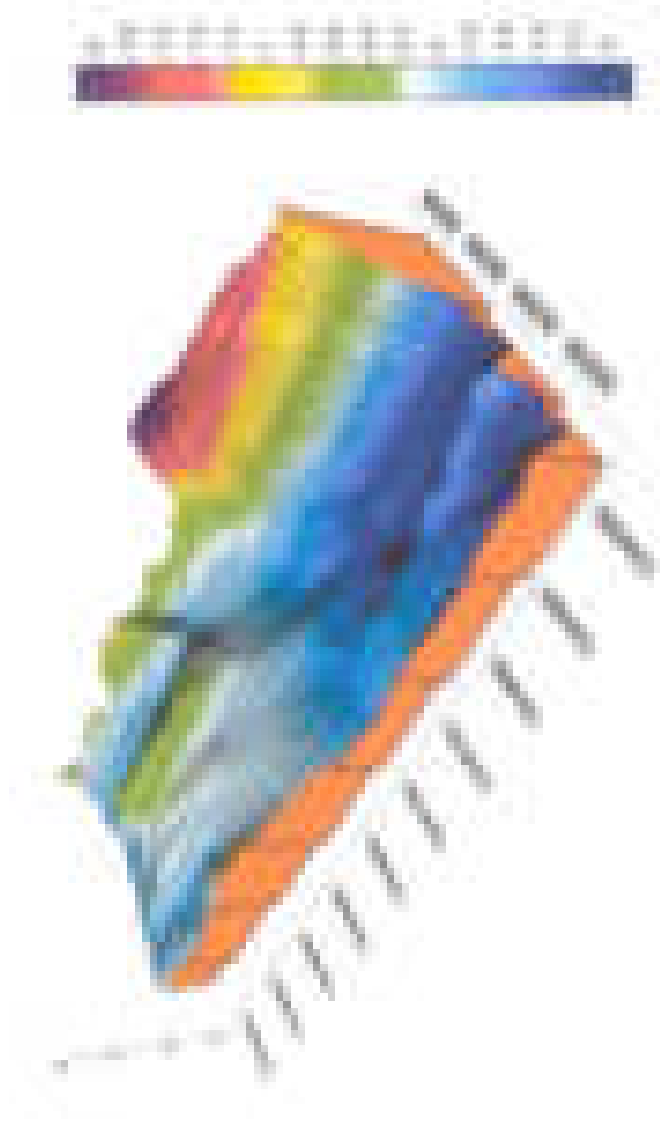




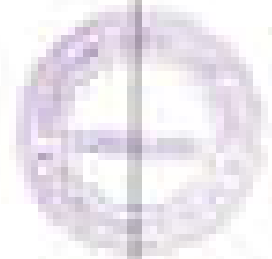
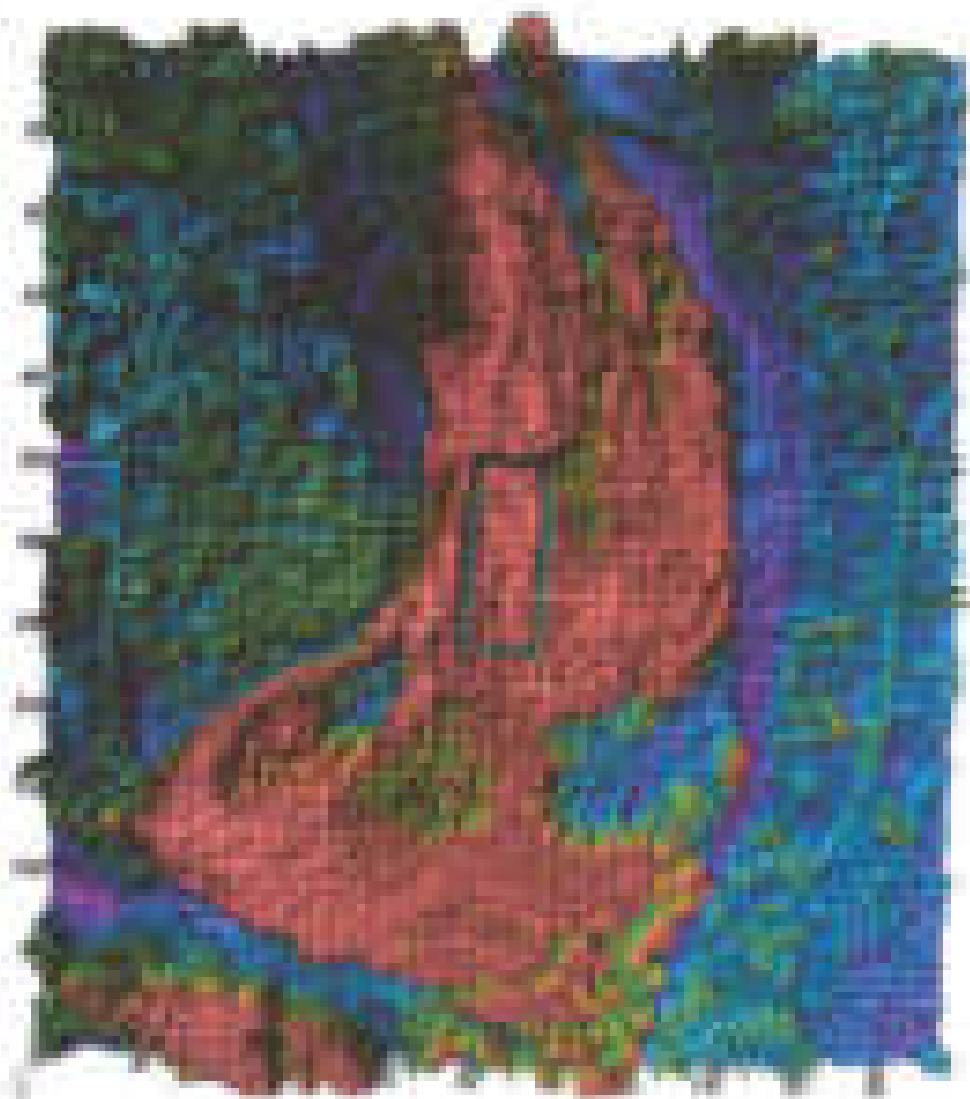


**3 DIMENSIONAL VIEW AND CONTOUR LEVELS OF
CARASUR SAND QUARRY LEASE APPLIED AREA**

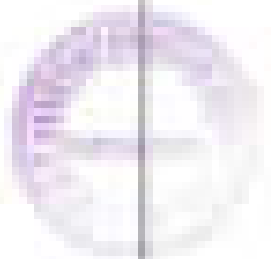
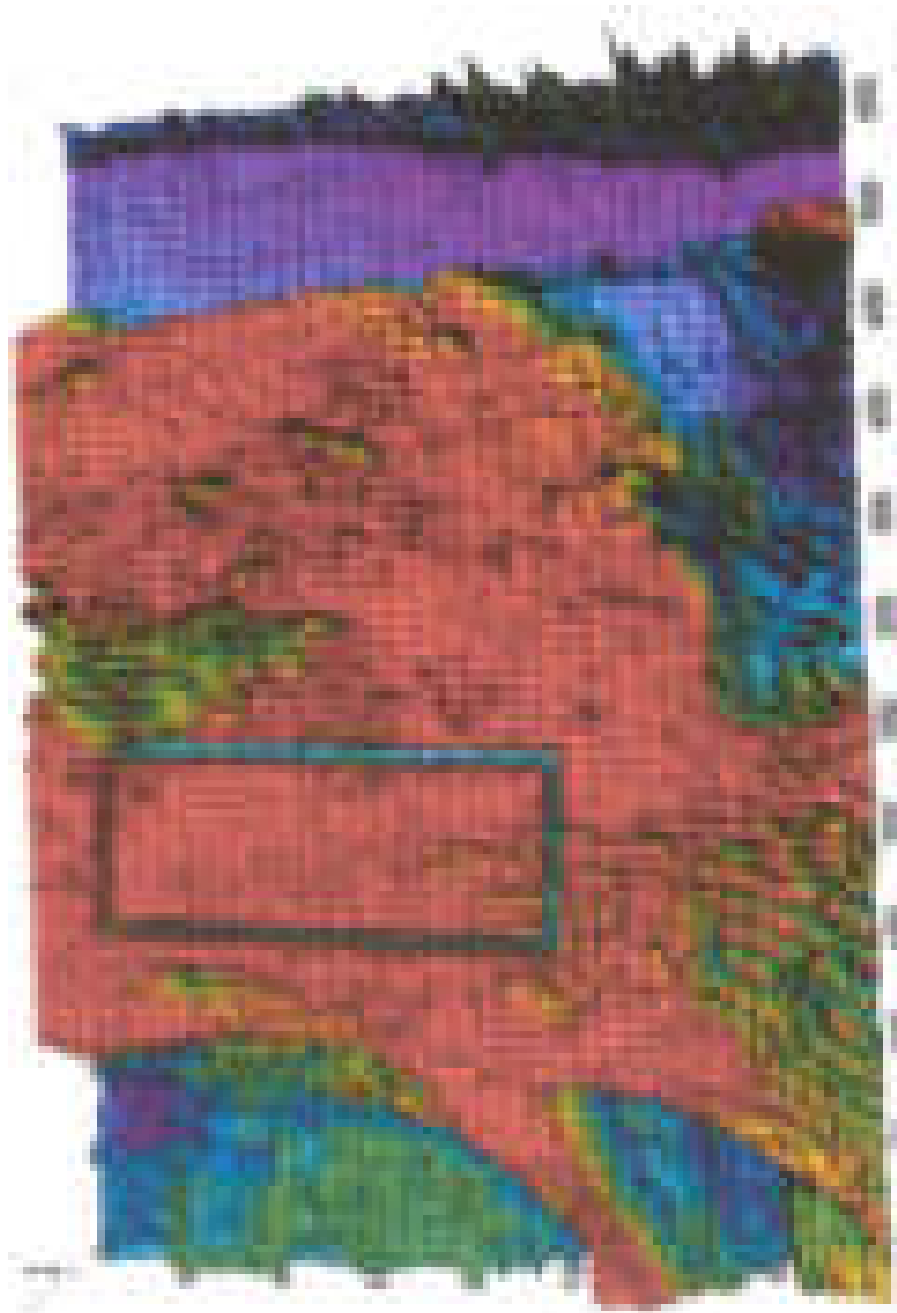
3D MAP IN CARASUR LEASE LEVEL DATA



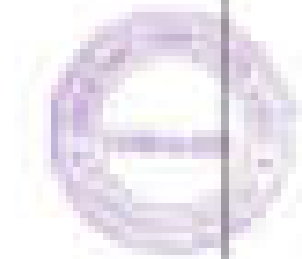
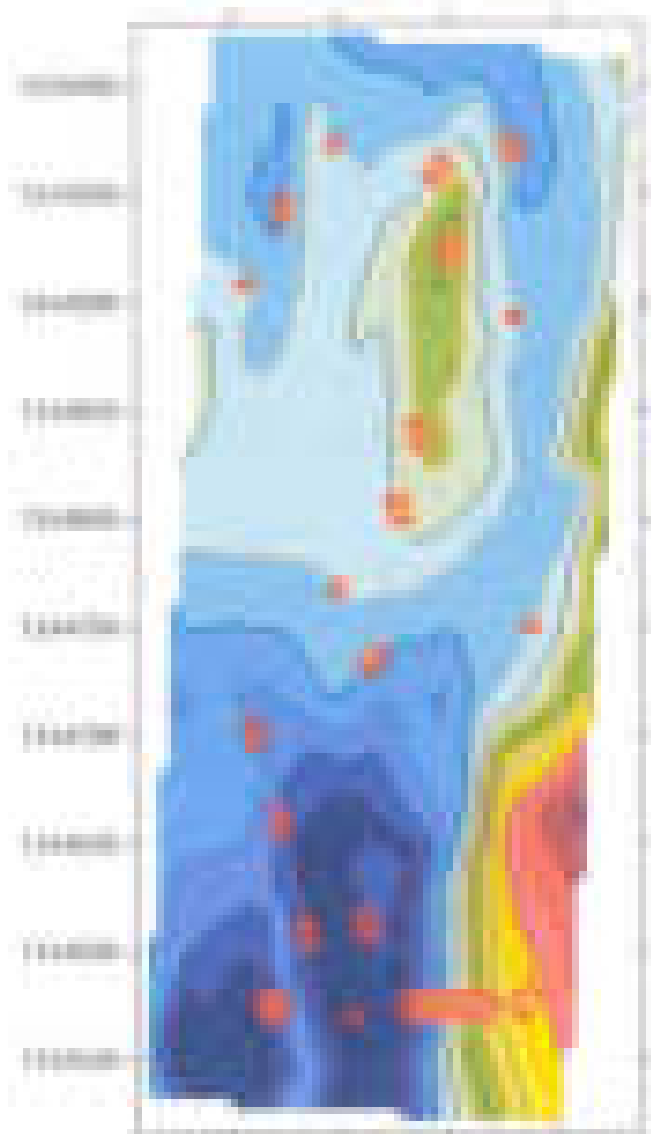
3D MAP IN CARASUR LEASE 1KM



3D MAP IN CARASUR LEASE AREA MAP

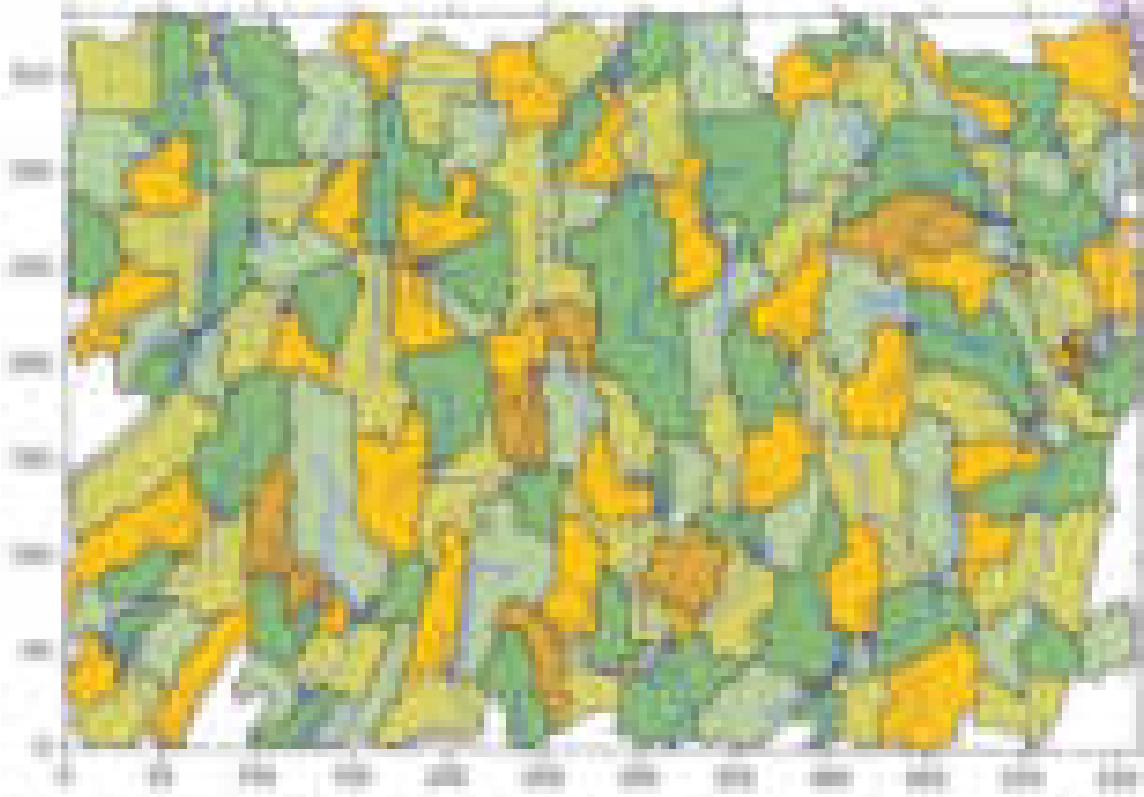


CONTOUR MAP IN C.ARASUR, LEASE LEVEL DATA

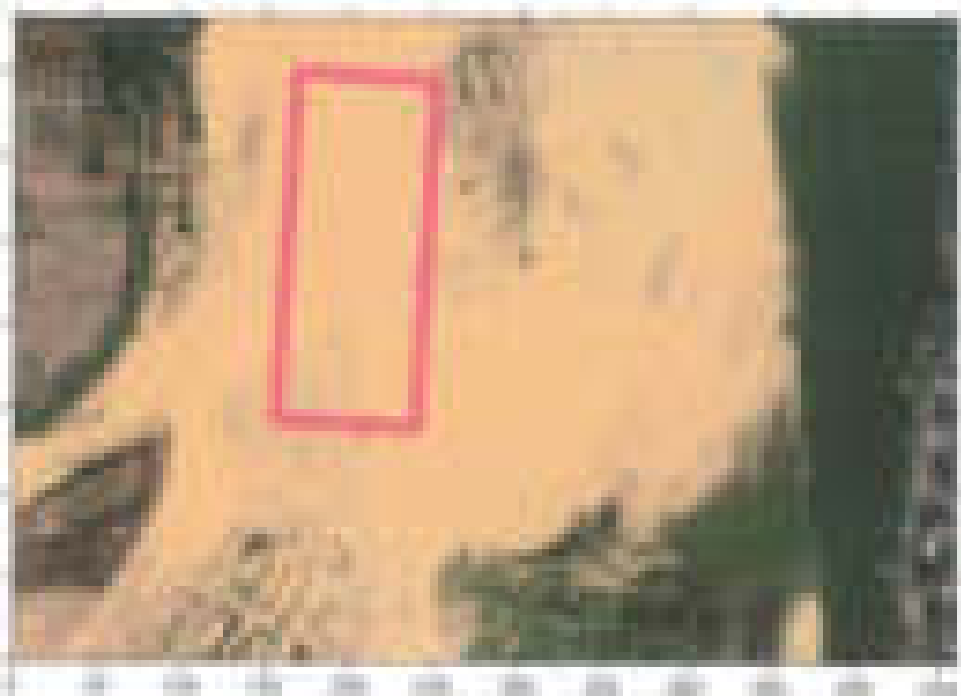


CONTOUR MAP IN C.ARASUR, LEASE LEVEL DATA

WATERSHED MAP IN CARASUR LEASE AREA



GOOGLE MAP IN CARASUR LEASE AREA MAP



<p>1.1</p>	<p>Volume of excavation already carried out (7 days)</p>	<p>The work reported is clearly visible right from the surface. No detailed measurements are carried out by the Engineer.</p>
<p>1.2</p>	<p>Excavational reserves</p>	<p>The topographical plan of the project area is prepared in 1:10,000 scale (sheet No. 2) with 1m contour interval as the entire area is almost a plain terrain. The Geological plan and sections for every 10m interval with 10m interval of spot level is prepared based on the topographical plan.</p> <p>(The detailed topographical plan along with 1m contour interval is attached as sheet No. 104).</p> <p>The Geological plan delineating the economically viable zone has been prepared in 1:10,000 scale (Sheet No. 104). The quantity of the sand to be handled is calculated by length and width of the lease area, which is actually chosen to cover the maximum area.</p> <p>Usually, surface sections have been drawn, one across major length area of the area (1-1') and other along strike sections are drawn (2-2', 3-3', 4-4', 5-5', 6-6', 7-7', 8-8', 9-9', 10-10', 11-11' and 12-12') width area of the area to cover the area remaining for project in the area of dimensions 10,000 ft. x 10000 ft. (sheet No. 104 and 105).</p> <p>The cross-sectional area for the project depth (consistence of 1st 11m above bed level + 1m below bed level) sand has been worked out for the sections. The cross-sectional area multiplied by the length of influence on the longer side gives the volume (cubic) in the cross-sectional area. The sum total of the cubic resources available within the delineated zone indicated area gives the Strategic Reserve potential of project area.</p> <p>As the thickness increases of sand is in the horizontal area zone. The geological thickness, economic reserves are given only in terms of cubic meter.</p> <p>The details of estimation of Strategic Reserve and Economic reserves with reference to the topographic, Geological Plan & Sections (Sheet No. 104 and 105).</p>

g) The Geological Resources with Geological Features are given table below:
 The total depth of sand below the river level is about 2m.
 The River level level is 8.5m.
 Total depth of availability of sand is 2m (1m Above river bed and 1m below river bed).
 The quantity of Resources are given table below.

Maximum length : 500m

Maximum width : 20m

Average depth : 1m

Table-2

SL. NO.	SECTION NAME	SECTIONAL AREA (W x D) IN m ²	MEAN AREA IN m ²	LENGTH IN m	QUANTITY IN m ³
1	A - B	400.00	110.00	30	3300.0
2	C - D	300.00	100.00	30	3000.0
3	E - F	300.00	100.00	30	3000.0
4	G - H	300.00	100.00	30	3000.0
5	I - J	300.00	100.00	30	3000.0
6	K - L	300.00	100.00	30	3000.0
7	M - N	300.00	100.00	30	3000.0
8	O - P	300.00	100.00	30	3000.0
9	Q - R	300.00	100.00	30	3000.0
10	S - T	300.00	100.00	30	3000.0
11	U - V	300.00	100.00	30	3000.0
Total Proposed Sand Quarry					33000.0
Subtotal Geological Resources					33000.0

Total Geological Resources of sand = 33000m³

h) Proposed Resources:

There is no sandstone during the quarrying operation.

By this quarry level plan method, an estimate is given the proposed mining operations.

The Proposed Resources are calculated into 2m (The Above Sand Layer is not Below Sand Layer) (Refer Table No. 11.8 and 11.9).

Reserve Accounts

Maximum Length: 10000

Maximum Rows: 10000

Average Depth: 1.00 (100.000000) (100.000000)

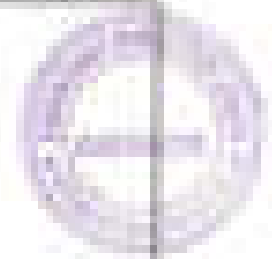
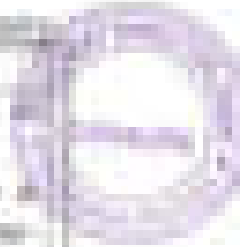


Table 1.1

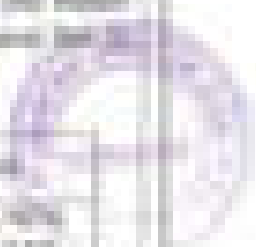
SL. No.	SECTION NAME	SECTIONAL AREA (Sq. Ft) in sq'	SEAN AREA in sq'	LENGTH in ft	QUANTITY in sq'
1	A - B	209.11			
2	C - D	333.11	110.00	50	15100.0
3	E - F	333.17	110.00	50	15900.0
4	G - H	333.08	110.00	50	16700.0
5	I - J	334.20	110.00	50	17500.0
6	K - L	404.00	130.00	50	18300.0
7	M - N	441.14	130.00	50	19100.0
8	O - P	459.08	130.00	50	19900.0
9	Q - R	454.88	130.00	50	20700.0
10	S - T	430.18	130.00	50	21500.0
11	U - V	427.08	130.00	50	22300.0
The Proposed Total Quantity					200000.0
Reserve					1.0
Proposed Reserve					200000.0

Total Proposed Reserve (sq. ft) = 2,000,000.00 sq. ft.

4.0 HIGHLIGHTS		
4.1	<p>Method of quarry (concrete development)</p>	<p>Quarry method of concrete quarrying process.</p> <p>Initially to excavate the proposed site a temporary road will be formed by clearing low-lying vegetation, retaining wall formed a pit around the road quarrying site to expose the entire quarry. During quarrying the approach road and pit, necessary temporary (20m) will be provided wherever necessary for free flow of water to downstream. After quarrying of approach roads, the excess stones are allowed for transportation from quarry to Government road. In this process contract works that engineering colleges are engaged for the purpose of maintaining the approaches. Regarding the vehicle movements, existing 1000 trucks, heavy of permit etc., to require the quarrying operation in a scientific and systematic manner. The road will be located directly to the existing concrete and support of the nearby proposed road work and for use to nearby customers (truck, no mineral processing is needed).</p> <p>The trucks are loaded by contractors in direct supervision of the Assistant / Junior Engineer, Water Resources Department. The competent laboratory works between and what is required for the safety movement of vehicles from the quarry.</p> <p>After that the loaded vehicles are allowed to go out only after covering the road bed properly by 100mm to prevent any spillage.</p> <p>It is a conventional mechanical quarrying operation.</p>
4.2	<p>State of quarry (mechanical quarry)</p>	<p>It is a conventional mechanical quarrying operation.</p>
4.3	<p>Proposed bench height is 10m</p>	<p>10m (Average).</p>
4.4	<p>Process the production / annual production expected in this as detailed below (complete plan and section showing pit level, dump, bench of work etc etc.)</p>	<p>There is no total bench or work. The complete year wise production plan and details are attached as Para No. 4.4 and 4.5.</p>



8.2 WIRE DRAINAGE																
8.2.1	<p>Depth of water table below an observation point nearby additional water table</p> <p>At the observation point, the water table is estimated to lie in summer and fall very close</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3">TABLE 4</th> </tr> <tr> <th>Year</th> <th>Estimated Groundwater Level</th> <th>Estimated Water Table</th> </tr> </thead> <tbody> <tr> <td>2000</td> <td>11700</td> <td>11700</td> </tr> <tr> <td>2001</td> <td>11700</td> <td>11700</td> </tr> <tr> <td>2002</td> <td>11700</td> <td>11700</td> </tr> </tbody> </table> <p>The proposed depth of watering operation is 120 cm. Hence the ground water will not be affected in any manner due to the water operation during the entire life period.</p>	TABLE 4			Year	Estimated Groundwater Level	Estimated Water Table	2000	11700	11700	2001	11700	11700	2002	11700	11700
TABLE 4																
Year	Estimated Groundwater Level	Estimated Water Table														
2000	11700	11700														
2001	11700	11700														
2002	11700	11700														
8.2.2	<p>Arrangement and design where the steel water is fully processed to be discharged</p> <p>There is no salt loss of water estimated in the water operation.</p>															
8.3 STACKING OF MINERAL RESIDUE AND DISPOSAL OF WASTE																
8.3.1	<p>Describe briefly the nature and quantity of tail-sand, overburden, waste and mineral residue likely to be generated during the coal life span</p> <p>There is no tail-sand/mineral residue generated during the coal period. The generated tail sand (100%) will be directly loaded into trucks and stacked in the nearby approved Government land used for sale to nearby customers.</p>															
8.3.2	<p>List design for disposal of waste with associated justification</p>															
8.3.3	<p>Describe a plan including the nature of disposal and transportation, together all kinds of all stages along with the transport for the stacking of tail-sand etc. to be removed per year</p>															
8.4 USE OF THE MINERAL																
8.4.1	<p>Describe briefly the use and use of the mineral (use for construction, cement, chemical industries, power, industrial use)</p> <p>The generated tail sand will be directly loaded into trucks and stacked in the nearby approved Government land used for sale to nearby customers.</p>															
8.4.2	<p>Include physical and chemical specifications attached to society</p>															
8.4.3	<p>List details of use including of different grades of use to be produced or to be specified of the way to meet specifications required by society</p>															





9.9 Other		
A) Proposed Structures (also shown in the map)		
9.9.1	Remains of Village College	There is no proposed Remains of Village College within 500' radius of the base of the area.
9.9.2	High Bridge/ Falls Club Structure	There is no High Bridge or Falls Club Structure proposed within 500' radius of the area.
9.9.3	Power Lines (PDU) (Overhead lines)	There is no (PDU) line or PDU structure proposed within 500' radius of the base of the area.
9.9.4	Water Tunnel (Twin, Hydro, Lake, etc., Structure, etc., etc.)	The proposed area is located in between Twin and is not a facility of University Street.
9.9.5	Archaeological / Historical Structures	There is no Archaeological / Historical structure located within 500' radius from the base of the area.
9.9.6	Road (SR, SR, Street)	The General Services Highway (SR 52) Corridor - Dunbar Street Road which is situated about 5.0m on the Northwest side of the applied area. The State Highway (SR 52) Interchange - Lower Street Road is situated about 5.0m to the Southern side of the applied area. The High Street Road (SR 52) Street - Interchange Road situated at 2.0m on the Southern side of the area.
9.9.7	Plant of Mining	There is no plant of mining located within the radius of 500' from the base of the area.
9.9.8	Remains of Mill	There is no Remains of Mill located within 500' radius of the applied area.
9.9.9	Water Treatment Plant (Water TREAT / TREAT Water Treatment etc.)	There is no water treatment plant located within 500' radius of the applied area.



52 Employment Response to Health Measures

Employment practices (partial, work relief, etc.)

The following response is provided to the State regarding to carry out the respective recovery activities, aimed at the proposed production target and also to comply with the statutory provisions of the Government order.

I. Requirements and Related Personnel		
No.	Requirement	No. of Persons
1	Self-employment program	1
2	Technical assistance	1
3	Production equipment	1
4	Specialized tools	1
5	Other items	1
Total		5
II. Available		
1	Personnel in service	1
2	Trade	Personnel
	Equipment	1
	Specialized tools	1
3	Production equipment	1
4	Specialized tools	1
5	Other items (see table)	1
Total		5
Grand Total		10

The above requirement is adequate to meet the production activities and the equipment is being provided to the company and to comply with the statutory provisions of the State health regulations.

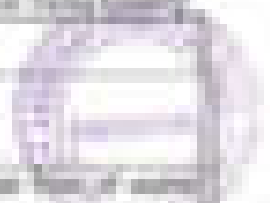
It has been observed that the company will not be required to have 10 plants, as said above, will depend on authorized for any kind of quarrying operations. All the workers engaged for quarrying operations will be required during the quarry's open period.

1.	<p>Water treatment</p> <p>a) Drinking water</p>	<p>Filtered drinking water will be brought from the water works to the Department which is constructed. Due to the location and of the site, supply of water supply system will be provided to the workers.</p>
	<p>b) Sewage disposal</p>	
	<p>c) Toilet facilities</p>	<p>Toilets and urinals are kept in clean condition, in case of any problem in the toilet will be given first aid immediately at the site by the concerned and statutory authority. Disposal of effluents is done at the site and proper permit will be taken to the hospital by the Department's vehicle. Hospital is situated in the vicinity located at a distance of 1.5 km from the treatment site.</p>
	<p>d) Safety health</p>	<p>In the conventional site, safety equipment including earplugs, the drilling of blasting and related work activities are used, noise levels health are affected in any worker. However, periodically medical checkup will be conducted for all the workers in regular intervals.</p>
	<p>e) Respiratory safety measures in the site</p>	<p>All the workers employ will be provided with safety helmets, knee protectors, eye flaps, ear flaps, knee caps, reflective garments and safety shoes as personal protective device as per the requirement of Director of the health, hygiene and community periodically medical checkup for all workers for any acute health related problems, proper training and education will be given to workers, provided in regular intervals of conventional site health and safety conditions.</p>

10.2: WASTE MANAGEMENT

<p>a)</p>	<p>Waste management / handling of the site of construction is planned to be conducted as per as related to the construction area. Staffs monitor the nature of the processing of construction.</p>	<p>The generated waste will be properly sorted into the factory and stored in the nearby approved treatment and disposal site to avoid any health concerns. There shall be no open burning practice.</p>
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PART 2-B



2.1.0 ENVIRONMENT MANAGEMENT PLAN

2.1.1 Existing Soil Use: It is a farmland from the area reserved for the type of urban pattern. Existing water used from natural water for irrigation and domestic use, for the existing process.

2.1.2 Water Regime: Existing water is used for both water ground level. The existing is maintained an average depth of 100 cm, below from the existing ground profile of the area, hence the quarry operation will not affect the ground water level.

2.1.3 Flora and Fauna:

Flora

List of Flora

Sl.No	Name of the plant (Scientific)	Family Name	Common Name	Height	Picture
1.	Orange tree	Rutaceae	Orange tree	Tree	
2.	Custard apple	Annonaceae	Apple, Custard apple	Shrub	
3.	Guava	Myrtaceae	Guava	Shrub	
4.	Apple tree	Rosaceae	Apple	Tree	
5.	Guava	Myrtaceae	Guava	Shrub	
6.	Guava	Myrtaceae	Guava	Tree	
7.	Guava	Myrtaceae	Guava	Tree	

ii.	Thymus serpyllifolius	Thymus	Thymus	Yes	
iii.	Hyssopus officinalis	Hyssopus	Hyssopus	Yes	
iv.	Phlomis tuberosa	Phlomis	Phlomis	Yes	
v.	Salvia rosmarinifolia	Salvia	Salvia	Yes	

List of Fauna

S.No.	Scientific Name	Common Name	Picture
i.	Canis lupus familiaris	Dog	
ii.	Felis tigris	Tiger	
iii.	Danaus plexippus	Monarch Butterfly	
iv.	Apis mellifera	Bee	
v.	Carassius auratus	Fish	
vi.	Struthio camelus	Ostrich	
vii.	Equus caballus	Horse	

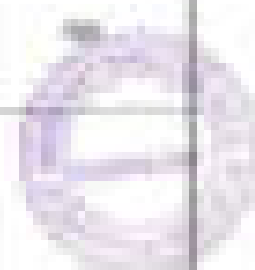
Q.11 Discuss the following: How do the different parts of the flower of a plant help in the process of pollination? (5 marks)

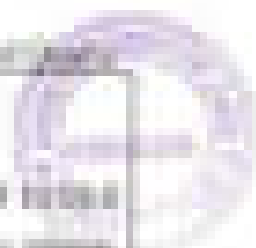
<p>11.8</p> <p>Water efficiency</p>		<p>There are two types of water meters. They are: Flow meters and Pressure meters. These are used to measure the flow of water and pressure respectively.</p> <p style="text-align: center;">Table 1</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Sr. No.</th> <th>Name of the Meter</th> <th>Accuracy (Error %)</th> <th>Measurement Range</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Flowmeter</td> <td>±0.5 - 1%</td> <td>100 - 1000</td> </tr> <tr> <td>2.</td> <td>Pressuremeter</td> <td>±0.5 - 1%</td> <td>100 - 1000</td> </tr> <tr> <td>3.</td> <td>Temperature</td> <td>±0.5 - 1%</td> <td>100 - 1000</td> </tr> <tr> <td>4.</td> <td>Water</td> <td>±0.5 - 1%</td> <td>100 - 1000</td> </tr> </tbody> </table>	Sr. No.	Name of the Meter	Accuracy (Error %)	Measurement Range	1.	Flowmeter	±0.5 - 1%	100 - 1000	2.	Pressuremeter	±0.5 - 1%	100 - 1000	3.	Temperature	±0.5 - 1%	100 - 1000	4.	Water	±0.5 - 1%	100 - 1000
Sr. No.	Name of the Meter	Accuracy (Error %)	Measurement Range																			
1.	Flowmeter	±0.5 - 1%	100 - 1000																			
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3.	Temperature	±0.5 - 1%	100 - 1000																			
4.	Water	±0.5 - 1%	100 - 1000																			
<p>11.9</p> <p>Water for air, water efficiency</p>		<p>In the conventional hot water heating system, the boiler is connected with the radiators and the water is heated in the boiler. The hot water is then pumped to the radiators and the heat is transferred to the room. The water is then cooled in the radiator and returns to the boiler. This process is repeated continuously. The efficiency of the system is determined by the amount of heat lost to the surroundings. The water for air, water efficiency is the ratio of the heat lost to the surroundings to the total heat input to the system. The water for air, water efficiency is usually between 0.5 and 0.7.</p>																				
<p>11.10</p> <p>Water for space heating</p>		<p>The conventional hot water heating system does not involve any heating and cooling methods. The water is heated in the boiler and the heat is transferred to the radiators. The water is then cooled in the radiator and returns to the boiler. This process is repeated continuously. The efficiency of the system is determined by the amount of heat lost to the surroundings. The water for space heating efficiency is the ratio of the heat lost to the surroundings to the total heat input to the system. The water for space heating efficiency is usually between 0.5 and 0.7.</p>																				
<p>11.11</p> <p>Water for space heating efficiency</p>		<p>The efficiency of the water for space heating is determined by the amount of heat lost to the surroundings. The water for space heating efficiency is the ratio of the heat lost to the surroundings to the total heat input to the system. The water for space heating efficiency is usually between 0.5 and 0.7.</p>																				

<p>11.10</p>	<p>Proposed work management</p>	<p>There is to be a total integrated (during the entire life of quality, health, safety management, cost and other) construction management approach that will be used and the low flow of their water is reduced.</p>
<p>11.11</p>	<p>Proposed construction of new affected Building using water and as the kind of energy (including being etc.)</p>	<p>The main objective of the project is to build a new and restore the original capacity of functional efficiency of the area. The work will have a minimum time & long period. These accumulated work has been not removed due to cost constraint. The construction cost has decreased because efficiency/low cost of the water is important. It is also not significant to work. The cost of present contract is higher to original functional efficiency. After completion of work's condition the material will be treated by regularly during every season. There is no work items, as proposed for building or replacement.</p>
<p>11.12</p>	<p>Proposed development analysis, water, number, name of species, to be efficiency)</p>	<p>The 1. water usage level and (water use level in the past and that will be utilized for alternative for planting, irrigation, etc. items, The water requirement and frequency provide low savings with an anticipated savings rate of 50%. The estimated budget for water saving must be around Rs.10,000/- for the period of one year.</p>
<p>11.13</p>	<p>Proposed financial estimate / budget for 2019 management management</p>	<p>The proposed financial estimate budget for 2019 is around Rs 6,10,000/- for the period of one year.</p>



A. Project Description		
1) Land cost	It is a Government land and it is a Public and Government owned project. There are 1000000 sqm of land.	
2) Materials for work	<p>The quantity of 1.000 square meters and more of 2000/2075 capacity will be used.</p> <p>The quantity of these construction is based on the working hours of Government, filling, repair and loading (lifting), in the work area quarry project. Excavation are proposed in quarry field.</p> <p>Average Diesel consumption of these excavator make 20 200 liter/hour (liters/hr).</p> <p>Total number of Excavator used for quarry field is 2 Nos.</p> <p>Average Diesel consumption</p> <p>Total hours (hours) = 200 hours = 2000 liter</p> <p>Diesel price around = Rs.100 (at present scenario)</p> <p>Total Excavator running hours for the project</p> <p>Cost excavator with average efficiency</p> <p>= 2,00,000/- per day</p> <p>= 2,000 Excavator hours</p> <p>One Excavator will consume 10000 liter</p> <p>Price 1,000 liter = 10,000 liter of 1000 will be added for the quarry project the</p> <p>The total vehicle charges for this quantity of these ground around 1,000/hour</p> <p>Total working hours = 2,000 hours</p> <p>= 2,000 hours of Rs.1000 =</p> <p>Rs.20,00,000/- for the quarry project the.</p> <p>Excavation cost = Rs.20,00,000/-</p>	Rs.20,00,000
3) Filling Fencing	There is no project for filling or fencing. Amount of quarry field and about after completion of quarry operation.	Rs.2,00,000/-
4) Labour cost	For quarry field and about will be implemented as some permanent structure. The cost would be around.	Rs.10,000/-





11.0 PROGRESSIVE QUARRY CLOSURE

11.1 Introduction

The Progressive Quarry Closure for Limestone Quarry was an order of 1978 of Ministry of Government and is S.O.No. 1187 of 1978. The order was in English except administrative part. However, English, Hindi and Marathi versions of the order were prepared for the Executive Engineer, State Resource Department, Planning and Monitoring Division, Government of India, New Delhi. (S.O. No. 1187/78)

11.2 Mineral Processing Operations

The quarry and road will be directly loaded to the lorry and transported to the nearby approved Government road depot (the lorry will be ready loaded) as per the Planning and Monitoring division order in different parts of the year. No mineral processing is involved when the quarry was.

11.3 Measures for closure

The removal of the road is only for the free flow of water in the river, being an artificial approach made to bring access to access for the department and government, for the full efficiency of the river.

11.4 Statutory obligations

All the conditions stipulated in the Rules and regulations will be fulfilled and maintained by the State Resource Department during the closure of quarry operation.

11.5 Progressive quarry closure application

Name, Registration Number and Address of the Registered Qualified Person who prepared the progressive closure plan and name and address of the existing quarry pits as involved in the Application of progressive quarry closure:

Dr. H. SETHURAMAN SWAMI, M.Sc., M.B.A., P.A.S., Ph.D.,
 Registered Qualified Person
REGISTRAR GENERAL
 No-27, Adyar Main Road,
 Registrar, Government of India
 Cell: +91 9842 5025, 9842 7842

The State Resource Department will itself implement the closure plan to the concerned persons.

11.4 Review of Implementation of Mining Plan including Progressive Quarry Plan and the Final Closure Plan

The Mining Plan and Progressive quarry closure are being submitted for the first time. Hence, review of implementation of progressive quarry closure does not exist at present. However, if any work done for progressive quarry closure during the Mining Plan period, it will be discussed during the closure period.

11.5 Closure Plan

(a) Final Site Land

At present the area is under land, with surrounding soil and stones, trees, agricultural and fields. The approved site land will facilitate the formation final plan of the area as per various R carrying capacity, after completion of quarry operations, the closure and all related requirements during mining and closure.

(b) Water quality management

Following control measures will be adopted for protecting water pollution:

- (i) Control sewage from the portable sanitary water (sanitization) in Quarry (area site ground is discharged to stream)

(c) Air Quality Management

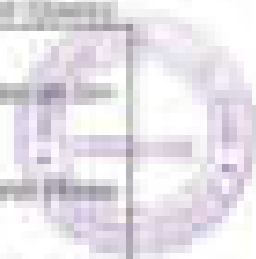
The approved quarrying method is not likely to produce levels of dust and fugitive emissions to cause damage to animals or quality of the area. All approved operations approved the dust level, regular traffic will be allowed to the trucks. For air pollution management practical monitoring will be carried out as per the requirement of RCC norms and will be submitted to competent authority for approval and license.

(d) Top Soil and Waste Management

There is no impact on waste generation during the land quarrying operations. The required final waste will be managed by appropriate approved and will be stored and the free flow of water will be restored. The installation of covered processing is involved under the quarry track area.

(e) Closure of mining machinery

All the Machinery will be disposed or will be scrapped after removal of quarrying plant. Closure of site. The Department does not own any machinery at present. Hence, the closure of machinery does not exist.



(vii) Safety & Security:

Safety measures will be implemented in strict accordance with the provisions of the following period as per Rules Act 1952, 1956, 1958.

- a. Safety measures will be implemented as per Rules Act 1952, 1956, 1958, and Rule Book 1955.
- b. Provisions of Rule 1952 shall be strictly followed and strict discipline maintained in maintaining every month for smooth operation of vehicles.
- c. Essential equipment like first-aid kit, fire-plug, multi-tool and other equipment shall be provided for use by the working personnel.
- d. Safety gear including eye protection equipment shall be provided and be disposed at all construction sites and at particular high-rise points. Sufficient number and type of safety gear will be used at and around the vicinity to protect workers from accidents.
- e. Security guards will be posted to prevent unauthorized entry of public.
- f. In the case of emergency cases, the use of equipment of high level will be observed to prevent adverse entry of public.

(viii) Disaster Management and Risk Assessment:

The project team will submit plan for high risk activities like excavation, foundation, steel, etc. works, concrete, formwork, etc. and emergency plan prepared for such operations, construction measures to be taken etc. The security of work department is most high priority and the measures to be required from the local authorities should be described.

- a. The mechanical working activities in the area may involve the high risk activities like usage of heavy earth moving machinery and high capacity cranes.
- b. The complete working activities will be carried out under the management and control of experienced Executive Engineer, State Security Department, along with Planning Division.
- c. Strict provisions of Rules Act 1952, 1956, 1958, and Rule Book 1955, 1956, 1958 and other laws applicable to work will be strictly complied with.
- d. Working hours, night and shift work involving safety will be thoroughly supervised.
- e. All persons in State Security Department construction activities will be provided with proper communication facilities.
- f. Competent persons like State Engineer, Assistant Engineer of the department will be provided with 24x7 duty which they will always carry during the working operations.
- g. In case of any minor accidents the Assistant Engineer and Senior Engineer will report to hospital.

(vii) Care and Maintenance during Temporary Discontinuance

In case of any temporary discontinuance due to water inflow or due to statutory requirement or any other unforeseen circumstances following measures shall be taken for care, maintenance and monitoring of location:

- a) Status of temporary discontinuance of work or area shall be given to the public as per the local laws.
- b) All the mining machinery shall be shifted to a safe place.
- c) Drains to the mineral part of the mine, if so discontinued, shall properly be kept well kept.
- d) Security guards shall be posted for the safety and to prevent any encroachment on to the lease area.
- e) Competent persons shall inspect the mine regularly.
- f) All water and other environmental monitoring shall be carried out as per EPA/Ministry & CPCB norms.
- g) Status of the existing and water monitoring for re-opening of the quarry shall be discussed duly.

In case of discontinuance due to any natural calamities/accidental conditions, quarry operations will be resumed as early as possible after completing safety work, restoring safety and security, repair of roads etc.

(viii) Seasonal Suspension of Closure of Quarry and temporary Discontinuance

The quarry lease is granted for a period of one year. In case the production programme is suspended, there will be no effect on the lease period as the majority of persons are to engaged or concerned from the start period of one year.

(ix) Work Scheduling For Abandonment

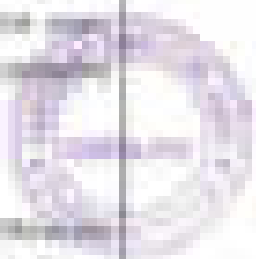
The lease holder area shall proceed for abandonment of operations after the environmental study report will be carried out by the Department on periodical basis. The required period of one month.

(x) Abandonment Cost

The lease holder area is on the lease hold. Only the the stipulated operations shall not be allowed and the free flow of river water is restored. The temporary work after that period expiry will be removed. The cost of such activities will be around Rs. 5,00,000 per lot.

1.3. ANY OTHER DETAILS INTEND TO FURNISH BY THE APPLICANT

The proposed site (road) shall carry maximum speed limit of 40km/hr during day hours. Day hours are proposed to start from 06:00 to a period of one hour will be provided at night for general use. The road shall be paved with bitumen for one year.



STATEMENT PROVIDERS

The design for the surveying of road is prepared as per the Road Works Construction and Development Rules, 2012 and also by the National & Highway Road Work Manual (Construction Rule, 1998, Sustainable Road Works Management Guidelines 2012 and Enforcement & Monitoring Guidelines for Road Works Activity, 2012 issued by MOTT and C). The provisions of the Road Act, Road and Regulations and other laws that apply shall be complied with, so that the safety of the road, machinery and person will be protected. Permission, consent or approval wherever required by the acts and technical drawings of the road will be obtained from the relevant authorities. The details and other to refer to the Road Department after careful examination and inspection and it was found to be approved of road in the concerned places. Any violation carried out by the executing authorities will be notified as per the guidelines of the Department.

Approved by


M. R. STEPHEN SPENCE, M.Sc., B.Sc., M.A.S., Ph.D.,
Regional Technical Officer
ROADS DEPARTMENT

Date: 18/08/2024
Ref: 177-04-2024



No. 1273/2022 (M&P), dt. 16.03.2022

Water & Power
Department

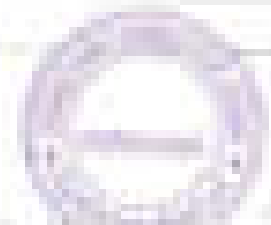


Basidi Area Communication System

Basidi and Basadi - New 10000 sqm Water
supply Schem - Kattommanahalli Taluk -
Kannur District - SP No. 118/2 (P) - area of
about 12000 sqm, / 200000 sqm - supply of
water and sewer - to Public Works Department -
Government - Project area Communication
System

- 1. Letter No. 118/2 (P) dated 16.03.2022, dt. 16.03.2022 from the Executive Engineer (I), Public Works Department, Water Resources Department, Heavy and Highway Group, Mysuru.
- 2. The Project - Basidi - Basadi - Schem is in the Kattommanahalli Taluk dt. 16.03.2022 addressed to the Hon. Minister, Government and the Executive Engineer, Public Works Department.
- 3. Report of the Executive Engineer, Public Works, W&P Division, Mysuru dated No. 118/2 (P) dt. 16.03.2022 dt. 16.03.2022.
- 4. Report of the Revenue Department, Government of Karnataka dt. 16.03.2022, dated 16.03.2022.
- 5. Technical Report of the Executive Engineer, Heavy and Highway Group, Mysuru, dt. 16.03.2022.
- 6. G.O. No. 118/2 (P) dt. 16.03.2022 dt. 16.03.2022.

In the above, I am the Executive Engineer (I), Public Works Department, Water Resources Department, Heavy and Highway Group, Mysuru has been proposed for setting up water supply in Basidi and Basadi in Kattommanahalli Taluk, Kannur District - SP No. 118/2 (P) area of about 12000 sqm, / 200000 sqm, in K. Basidi and Basadi, Kattommanahalli Taluk, Kannur District.



2) The General Director Office, Cambodia, the Mining Director, Planning and Mining, Collection and the Executive Engineer, FIDA-Bank, Cambodia have inspected the project area and recommended for the grant of road quarry permission.

3) Based on the above recommendations of the General Director Office, Cambodia, the Assistant Director (Mining), Cambodia and the Executive Engineer, FIDA-Bank, Cambodia for application for the grant of permission for quarrying road to a quantity of 200,000 cum as per a period one year or the period when the quantity allowed is consumed whichever is earlier in S.P.No.28812 (P) cum an extent 60,000 m² located at 237,000 m² in Commune II Village, Kattanakomol Tola is considered subject to the production of the following as per Part III B-62 of Land Use and Mining Control Ordinance No. 1891 amended on S.O.(P) No.75, Volume (1992) Amendment dated 06.04.2018.

- i. Mining plan
- ii. Environment clearance from the State Level Environment Impact Assessment Authority, Cambodia.

4) In view of the above, the Executive Engineer, Public Works Department, Water Resources Organization, Mining and Metallurgy Director, Cambodia is hereby directed to submit the things mentioned in the Enclosed Quotation paper (A.Q.P.) to the Assistant Director (Mining) for approval and Government clearance certificate from the State Level Environment Impact Assessment Authority as stipulated in the MOU Amendment dated 03.01.2018 and 04.01.2020.

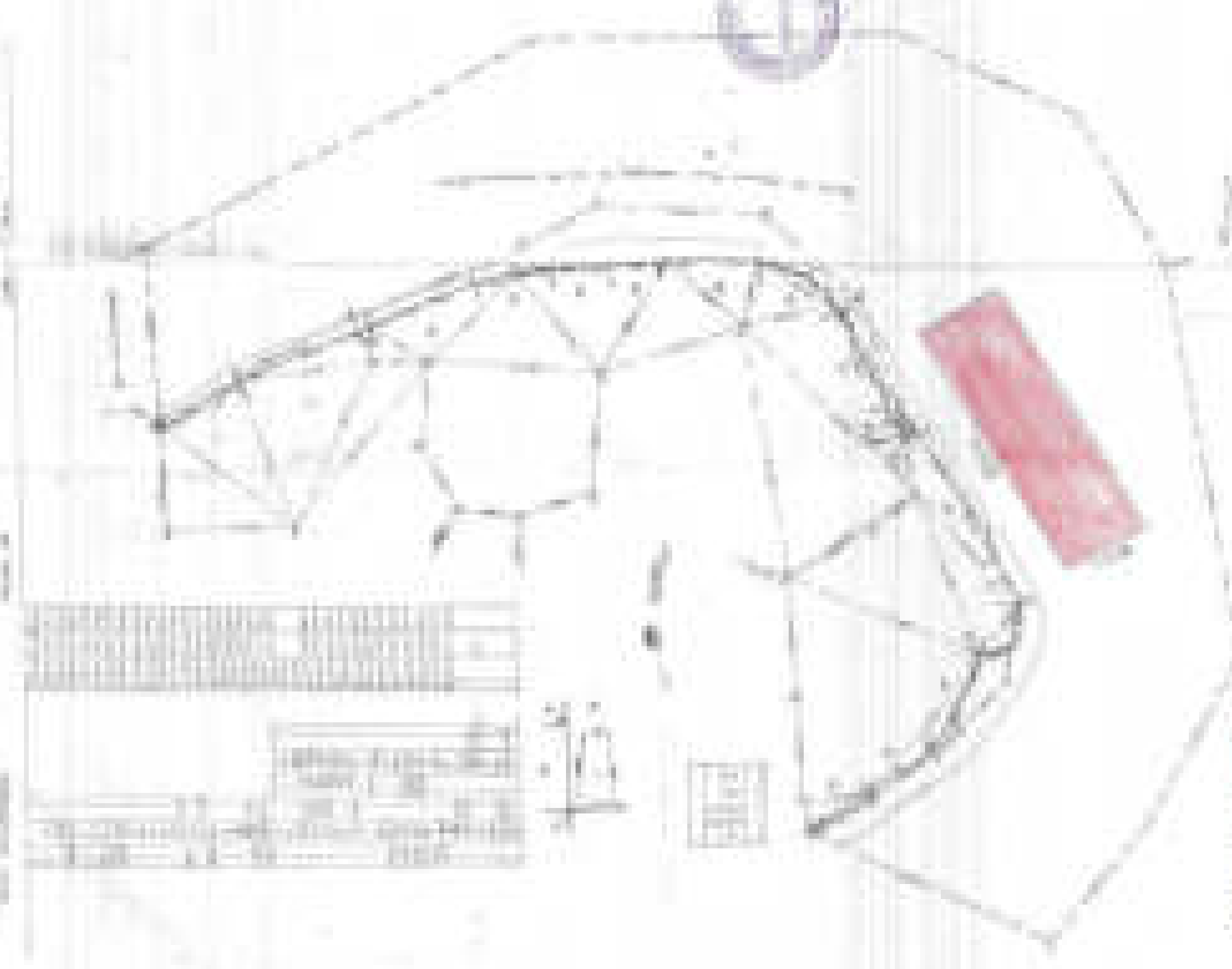
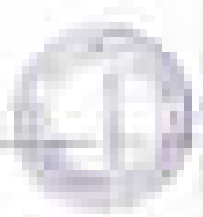
**Minister,
Ministry of Natural Resources,
Planning, Collection and Mining**

(Signature)

(Signature)
**For Director Collection,
Cambodia**

To
The Executive Engineer,
Public Works Department,
Water Resources Organization,
Mining and Metallurgy Director,
Cambodia.

(Signature)



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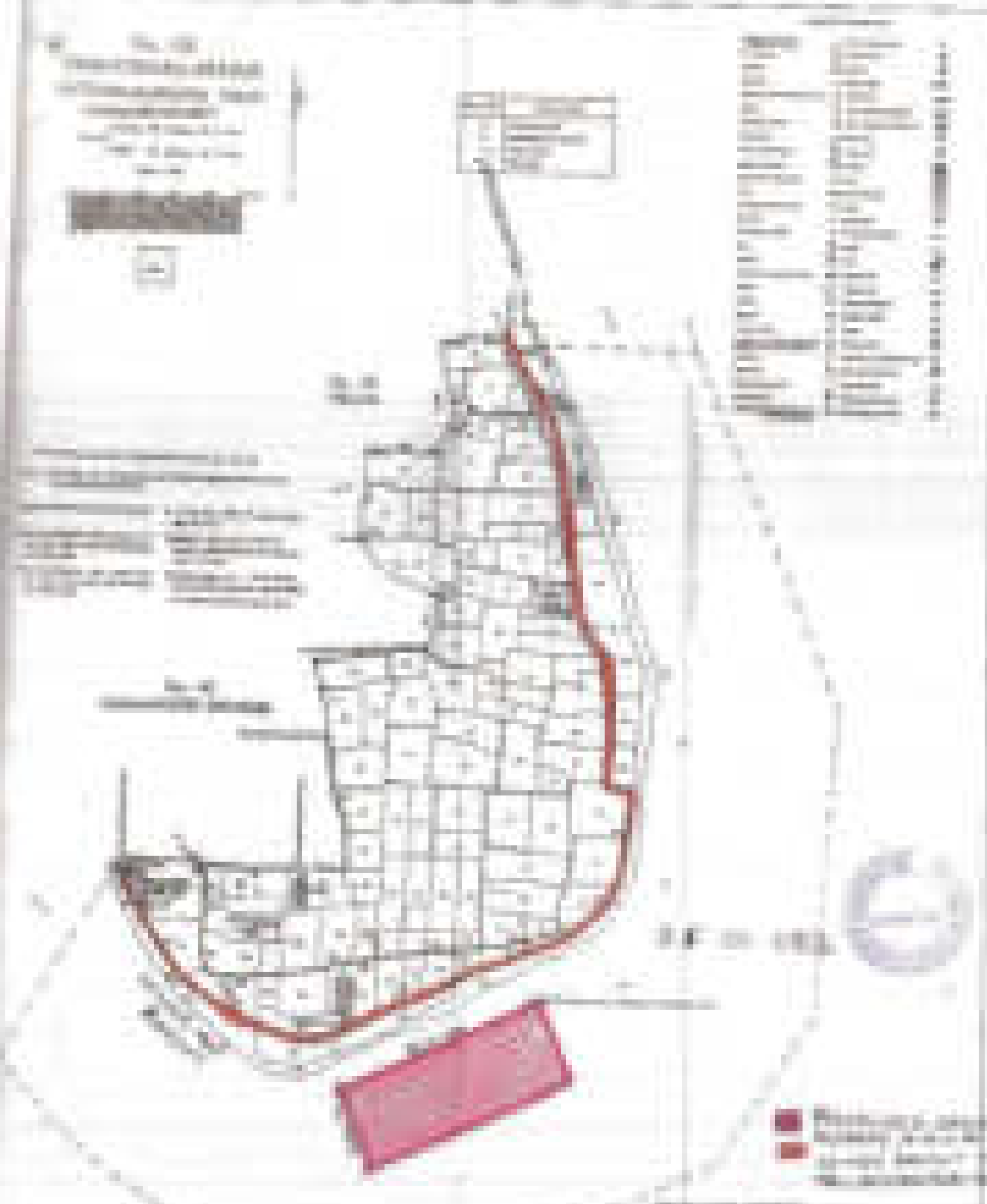
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Urban
Rural
Water
Forest

Water
Forest

Road
Railway

River
Lake

Scale
North Arrow

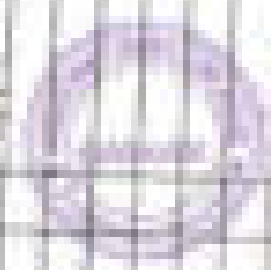
Scale
North Arrow

I have been thinking about the future a lot lately. I want to be a doctor because I want to help people. I like science and I want to learn more about it. I am going to study hard in school and get good grades. I want to go to a good university and then to medical school. I want to be a doctor and help people who are sick. I want to be a doctor and help people who are sick. I want to be a doctor and help people who are sick.

I have been thinking about the future a lot lately. I want to be a doctor because I want to help people. I like science and I want to learn more about it. I am going to study hard in school and get good grades. I want to go to a good university and then to medical school. I want to be a doctor and help people who are sick. I want to be a doctor and help people who are sick. I want to be a doctor and help people who are sick.

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I have been thinking about the future a lot lately. I want to be a doctor because I want to help people. I like science and I want to learn more about it. I am going to study hard in school and get good grades. I want to go to a good university and then to medical school. I want to be a doctor and help people who are sick. I want to be a doctor and help people who are sick. I want to be a doctor and help people who are sick.





THE UNIVERSITY OF THE STATE OF NEW YORK
OFFICE OF THE STATE ENGINEER



Approved: _____
State Engineer

Accepted: _____
Professional Engineer

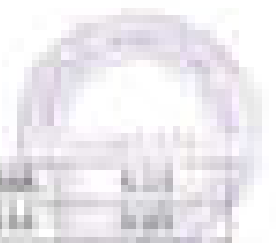
Spot Levels with Coordinates of the U.S. Army Land Quarry Lease Applied Area

The Levels are Presented as UTM 48Q UTM Easting of A-B Section on the Southern Side and Westing North Numbers and (Maiden Plate No. 4-A)

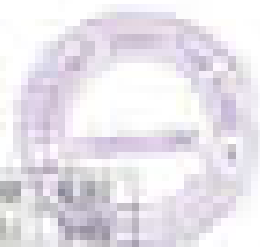
U.S.N.	Easting	Westing	Level	U.S.N.	Easting	Westing	Level
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2	602000.000	1200000.000	0.00	41	612000.000	1200000.000	0.00
3	602000.000	1200000.000	0.00	42	612000.000	1200000.000	0.00
4	602000.000	1200000.000	0.00	43	612000.000	1200000.000	0.00
5	602000.000	1200000.000	0.00	44	612000.000	1200000.000	0.00
6	602000.000	1200000.000	0.00	45	612000.000	1200000.000	0.00
7	602000.000	1200000.000	0.00	46	612000.000	1200000.000	0.00
8	602000.000	1200000.000	0.00	47	612000.000	1200000.000	0.00
9	602000.000	1200000.000	0.00	48	612000.000	1200000.000	0.00
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173	PLATE 107	199900007	5.00	107	PLATE 107	199900007	5.00
174	PLATE 108	199900008	5.00	108	PLATE 108	199900008	5.00
175	PLATE 109	199900009	5.00	109	PLATE 109	199900009	5.00
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179	PLATE 113	199900013	5.00	113	PLATE 113	199900013	5.00
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183	PLATE 117	199900017	5.00	117	PLATE 117	199900017	5.00
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191	PLATE 125	199900025	5.00	125	PLATE 125	199900025	5.00
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926	82928 868	128928 868	8.74	926	82928 868	128928 868	8.74
927	82929 869	128929 869	8.75	927	82929 869	128929 869	8.75
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929	82931 871	128931 871	8.77	929	82931 871	128931 871	8.77
930	82932 872	128932 872	8.78	930	82932 872	128932 872	8.78
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937	82939 879	128939 879	8.85	937	82939 879	128939 879	8.85
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949	82951 891	128951 891	8.97	949	82951 891	128951 891	8.97
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901	FL2001.001	1144001.001	1.70	2001	FL2001.001	1144001.001	1.70
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904	FL2001.004	1144001.004	1.73	2001	FL2001.004	1144001.004	1.73
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907	FL2001.007	1144001.007	1.76	2001	FL2001.007	1144001.007	1.76
908	FL2001.008	1144001.008	1.77	2001	FL2001.008	1144001.008	1.77
909	FL2001.009	1144001.009	1.78	2001	FL2001.009	1144001.009	1.78
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911	FL2001.011	1144001.011	1.80	2001	FL2001.011	1144001.011	1.80
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913	FL2001.013	1144001.013	1.82	2001	FL2001.013	1144001.013	1.82
914	FL2001.014	1144001.014	1.83	2001	FL2001.014	1144001.014	1.83
915	FL2001.015	1144001.015	1.84	2001	FL2001.015	1144001.015	1.84
916	FL2001.016	1144001.016	1.85	2001	FL2001.016	1144001.016	1.85
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950	FL2001.050	1144001.050	2.19	2001	FL2001.050	1144001.050	2.19

STATION INFORMATION
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STATION CITY
STATION STATE
STATION ZIP

STATION PHONE
STATION FAX

STATION EMAIL

STATION WEBSITE

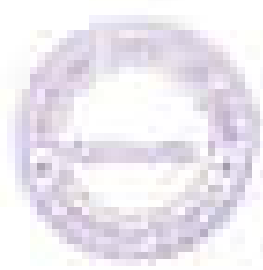
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STATION CONTACT NAME
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STATION TYPE
STATION STATUS

STATION DATE
STATION TIME

STATION ID
STATION ID



STATION INFORMATION
STATION NUMBER
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STATION CITY
STATION STATE
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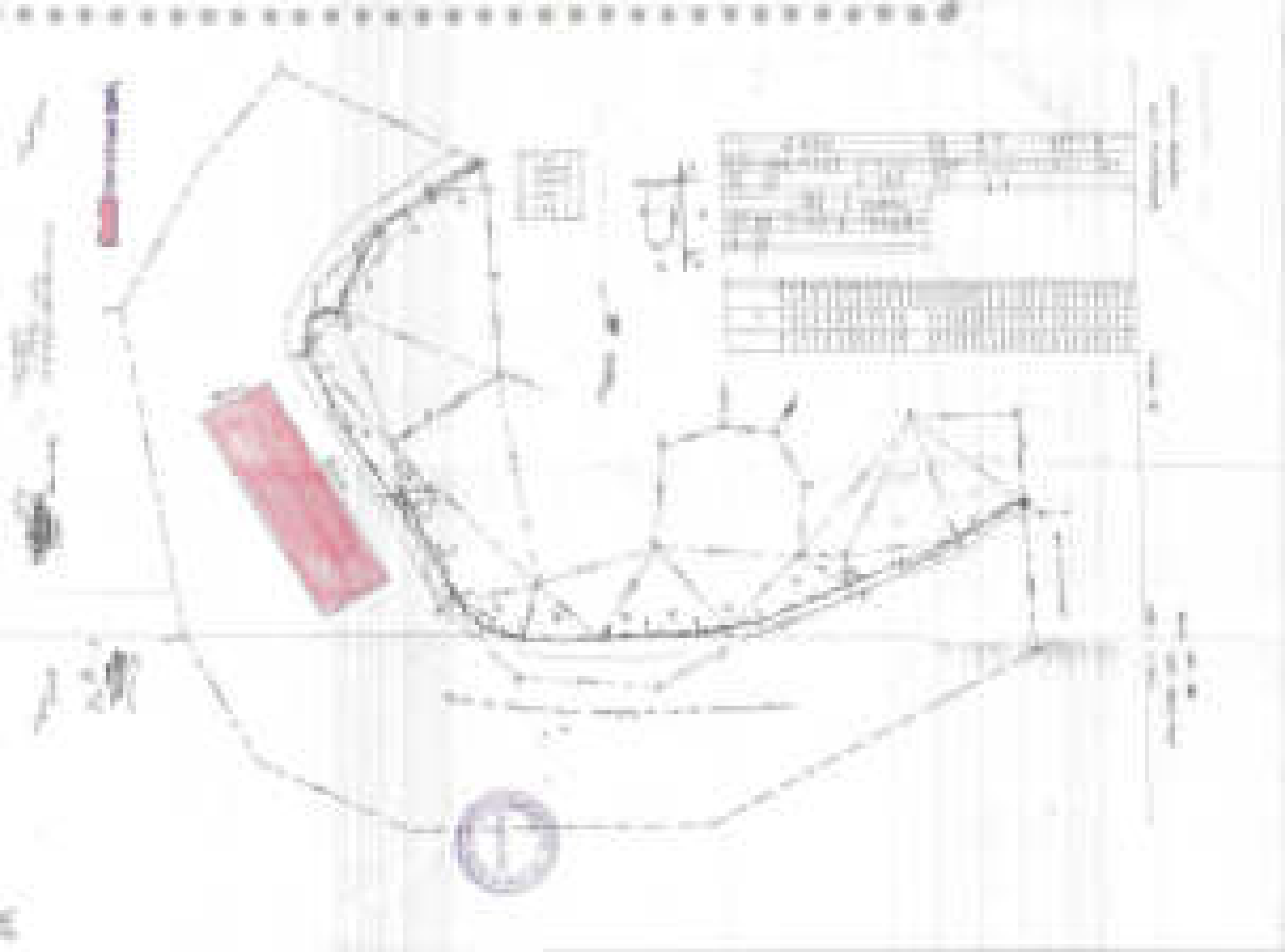
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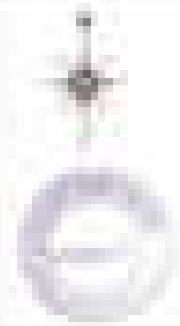
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Project No.:
Project Location:
Project Start Date:
Project End Date:

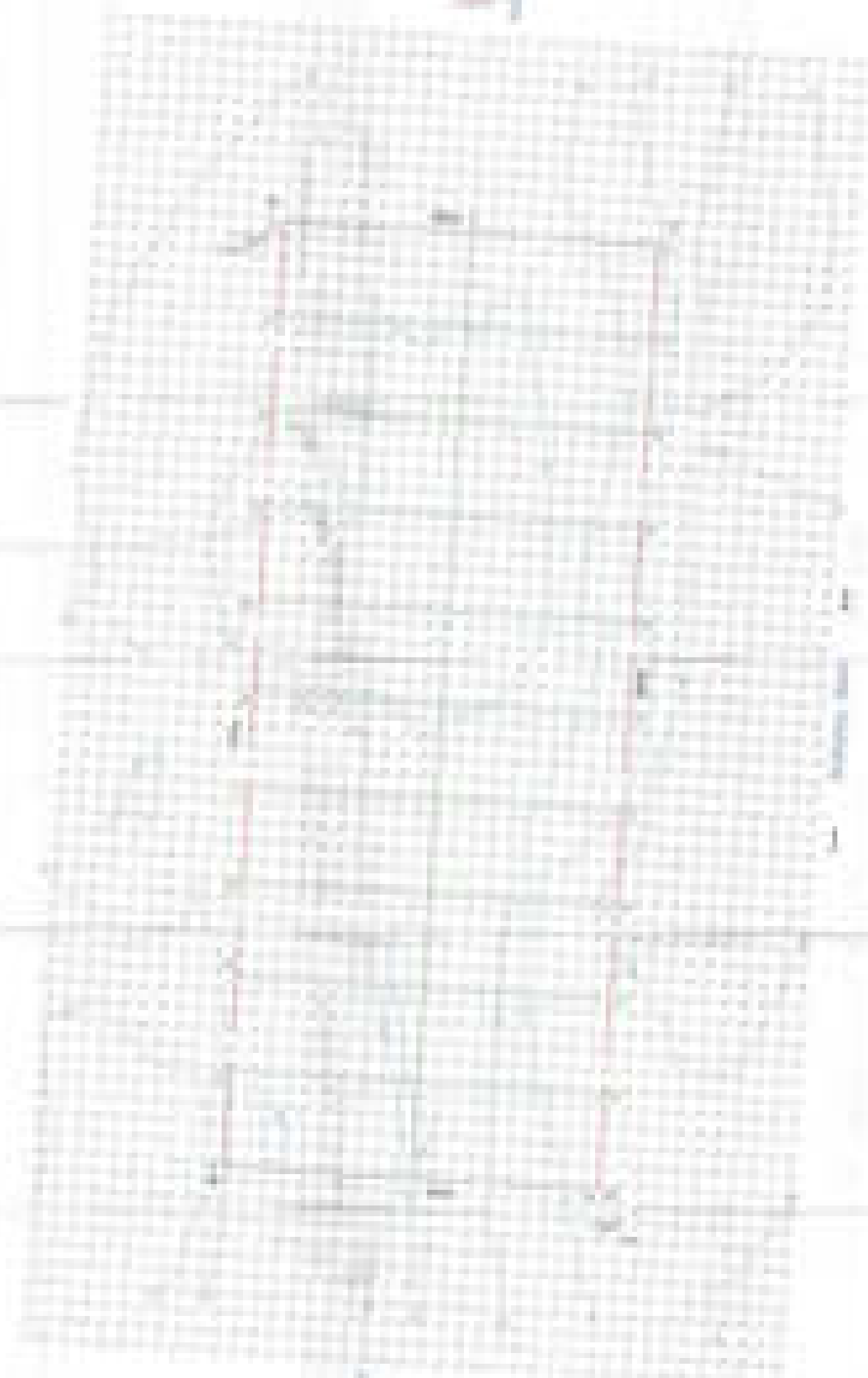
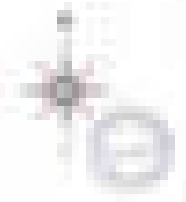
Project Manager:
Project Engineer:
Project Surveyor:
Project Designer:

Scale:
Projection:
Units:
Color Legend:

Red	Boundary
Yellow	Grid
Green	Vegetation
Blue	Water

Project Status:
Project Phase:
Project Budget:

Project Description:
Project Objectives:
Project Risks:



1. The drawing shows a rectangular structure with internal lines, possibly representing a floor plan or a technical drawing of a building. The drawing is on a grid.

2. The drawing is a technical drawing of a rectangular structure, possibly a floor plan or a technical drawing of a building. The drawing is on a grid.

3. The drawing is a technical drawing of a rectangular structure, possibly a floor plan or a technical drawing of a building. The drawing is on a grid.

4. The drawing is a technical drawing of a rectangular structure, possibly a floor plan or a technical drawing of a building. The drawing is on a grid.

5. The drawing is a technical drawing of a rectangular structure, possibly a floor plan or a technical drawing of a building. The drawing is on a grid.

