Government of Rajasthan

Office of The Suptdg. Mining Engineer, Kota Circle, Kota
"Khanij Bhawan", Plot no. 3, Tagor Nagar, Rawatbhata Road, Kota(Raj.)

S.No. SME/Kota/CC/MP/2018/1240

Dated: 21-3-26/8

Shri Manoj Kumar Sharma, S/o Shri Jagdish Prasad Sharma, R/o Gandhi Chouraha, Sangod, Distt. Kota(Raj.)

Sub:- Approval of Simplified Mining Plan of Plot No. 02 for an area of 1.0 Hect. mineral Masonry Stone near Village Pitampura Teh. Sangod Distt. Kota State Rajasthan submitted as per MMCR' 2017, its chapter V rules 29 and amended Notifications for time to time.

Ref. :- Your RQP letter dated 13-03-2018.

Dear Sir.

In exercise of the power, conferred by Government of Rajasthan rule 29(13), RMMCR 2017 with amended rules in chapter V, I here by approve the above said. Mining Plan. This approval is subject to the following conditions:

(i)This Simplified Mining Plan is approved without prejudice to any other laws applicable to the mine/area from time to time wether made by Central Government, State Government or any other authority.

(ii) It is clarified that the approval of the aforesaid. Simplified Mining Plan does not in any way imply the approval of the Government in terms of any other provisions of the Mines and Minerals (Regulation and Development) Act, 1957 or rules framed there under and any other laws.

(iii) It is further clarified that the approval of the Simplified Mining Plan is subjected to the provisions of the forest(conservation) Act,1980. Forest (conservation) rules, 1981 and any other relevant statutes, orders and guidelines as may be applicable to the lease from time to time.

(iv)The Simplified Mining Plan is approved without prejudice to any order or direction from any court of the competent jurisdiction.

(v)If any thing found concealed as required in Mines Act, the content of the Mining Plan and the proposal of the rectification has not been made, the Approval shall be deemed to have been withdrawn with immediate effect.

2- You are requested to provide the approved copies of the Mining Plan to the requisite concerning offices.

Conti.....2

3- Mining Activities out side lease area, If any shall not be considered as Approved through this Mining Plan. The Mining Engineer, Ramganj mandi will check the correctness of the pillars and working out side the lease area, if any, serious action as per laws shall be taken.

 The lessee would be responsible for wrong data/information provided by him/ her. Any mistake due to oversight shall be rectified as soon as comes in

knowledge of the office/deptt.

5- Lessee will also follow the provisions of Environment Management Plan.

6- Two copies of the approved Mining Plan are being sent to your R.Q.P. as advised in consent letter.

Suptdg. Mining Engineer, Kota Circle, Kota

Dated:

S.No. SME/Kota/CC/2018/

Copy forwarded for information to:-

1- The Mining Engineer, Mines & Geology Deptt., Ramganjmandi.

2- R.O. P. Sh. Hemraj Banthia, R/o Rajhans Complex, Bedla Road, Udaipur (Raj.)

\/\ Suptdg. Mining Engineer, Kota Circle , Kota

Category A. Mechanized Mine

SIMPLIFIED MINING PLAN

(Submitted under Rule 29 (5) of RMMCR 2017) FOR MINING LEASE

PLOT NO. - 02

MINERAL - MASONRY STONE

MINING AREA - 1.00HECT.

NEAR VILLAGE - PITAMPURA,

TEHSIL - KANWAS, DISTRICT- KOTA (RAJ.)

PERIOD OF SIMPLIFIED MINING PLAN - 2018-2019 TO 2022-2023



IN FAVOUR OF

SHRI MANOJ KUMAR SHARMA

S/O SHRI JAGDISH PRASAD SHARMA was and has SHROTI R/O GANDHI CHOURAHA, SANGOD 213/240 nate, 2.14/12 DISTT. - KOTA (RAJ.), under RMMCR 1986 (Amended 2012)

Prepared By

HEMRAJ BANTHIA, Mining Engineer & रिक्रमण खनि आ मयन्ता Reg. No. RQP/UDP/216/2001 - A, (Renewed up to 01/02/2021)च जे 103-104, Rajhans Complex, Bedla Road, Udaipur-313001Tel. No. 0294 – 2419950, Mobile - 9929555377

E-mail:- hembanthia@yahoo.com

Hemraj Banthia Mining Engineer & ROP



Mobile No.: 9929555377 Email- hembanthia@vahoo.com

Address: 103 Rajhans Complex, Bedla Road, Udaipur-313001

CERTIFICATE

This is to certify that provisions of for fulfillment of Rule 29 (5) of RMMCR 2017 have observed in this Simplified Mining Plan of Masonry Stone Plot mining lease area of 1.00 Hect. Near village- Pitampura, Tehsill - Kanwas, District- Kota, of Rajasthan state, of Lessee Shri Manoj Kumar Sharma S/o Shri Jagdish Prasad Sharma R/o Gandhi Chouraha, Sangod, Distt. - Kota (Raj.) wherever the specific permissions are required the Lessee will approach the concerned authorities of Directorate of Mines & Geology for granting the permission.

Place: Udaipur Date:..../2018 Hemraj Banthia. RQP. NO. RQP/UDP/216/2001 - A Renewed up to 01/02/2021

This is to certify that the provision of Mines Act, Rules and Regulations made there under have been observed in the Simplified Mining Plan (for mining lease) and wherever specific permissions are required, the Lessee will approach the Directorate General of Mines Safety. Standards prescribed by DGMS in respect of Miners Health will be strictly implemented.

Place: Udaipur Date:..../2018 Hemraj Banthia. RQP. NO. RQP/UDP/216/2001 - A Renewed up to 01/02/2021

AUTHORISATION

1 hereby authorize Shri Henraj Banthia, Mining Engineer & RQP to prepare the Simplified Mining Plan for the mineral Masonry stone mining lease area of 1.00Heet, N/v- Pitampura, Tehsill - Kanwas, District - Kota.

I also authorize **Shri Hemraj Banthia**, Mining Engineer & RQP for a modification in this Simplified Mining Plan and to correspond with the Department of Mines and Geology in this regard till final approval.

Manoj Kumar Sharma PLOT NO. - 02

DECLARATION

The Provisions of Mines Act, Rules and Regulations Made there under have been observed in the Simplified Mining Plan (for mining lease) of mineral Masonry stone, mining lease area of Shri Manoj Kumar Sharma S/o Shri Jagdish Prasad Sharma R/o Gandhi Chouraha, Sangod, Distt. - Kota (Raj.) and where specific permissions are required the I approach the D.G.M.S. Further standards prescribed by D.G.M.S. in respect of Miners health will be strictly implemented.

Manoj Kumar Sharma

PLOT NO. - 02



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The Simplified Mining Plan for Masony Stone Plot (PLOT NO. - 02) near village-Pitampura, Tehsill - Kanwas, District- Kota (Raj.) has been prepared on the consent of the owner of the lease **Shri Manoj Kumar Sharma** S/o Shri Jagdish Prasad Sharma R/o Gandhi Chouraha, Sangod, Distt. - Kota (Raj.) for fulfillment of Rule 29 (5) of RMMCR 2017.

The mining lease was granted in favour of **Shri Manoj Kumar Sharma** S/o Shri Jagdish Prasad Sharma R/o Gandhi Chouraha, Sangod, Distt. - Kota (Raj.) vide order No. SME/Kota-circle/CC-II/f-41(2017)/354 on dated 23/01/2018.

The Simplified Mining Plan was prepared under rule of 29(5) of R.M.M.C.R., 2017 for five years (2018-2019 to 2022-2023).

The lessee is capable of deploying machinery and technical staff at the mine for proper mining of Masonry Stone Plot.



(a) Name and address of Lessee:

Shri Manoi Kumar Sharma

S/o Shri Jagdish Prasad Sharma

R/o Gandhi Chouraha, Sangod, Distt. - Kota (Raj.)

Mobile/Email - 9414106789/triventer.kota@gmail.com

(b) Status of Lessee

An Individual

(c) Minerals which Lessee intends to mine:

The Lessee is interested to mine mineral Masonry stone only.

(d) Reference no. & dated of consent letter from the State Government:-

The Simplified Mining Plan for mineral Masonry stone, PLOT NO. - 02, near village-Pitampura, Tehsil - Kanwas, Dist.- Kota, has been prepared on the consent of the owner of the ML area 1.00hect. Shri Manoj Kumar Sharma S/o Shri Jagdish Prasad Sharma R/o Gandhi Chouraha, Sangod, Distt. - Kota (Raj.) for fulfillment of Rule 29 (10) of RMMCR 2017.

The Simplified Mining Plan is submitting for next five years.

The lessee is capable of deploying machinery and technical staff at the mine for proper mining of Masonry stone for approval of Supdt. Mining Engineer, Kota-Circle- Kota.

(e) Name and Address & Reg. No. of RQP who prepared Simplified Mining Plan:

HEMRAJ BANTHIA.

Mining Engineer & RQP

Reg. No. RQP/UDP/216/2001 - A, (Renewed up to 01/02/2021)

103-104, Rajhans Complex, Bedla Road, Udaipur-313001

Tel. No. 0294 - 2419950, Mobile - 9929555377

E-mail:- hembanthia@yahoo.com

ocation & Accessibility

2.1 Detail of the MINING LEASE area (with location map)

The area under consideration has been spown in Plate No.1 of the Simplified Mining Plan. The mitting lease area falls in G.T. sheet No. 45 O/16 and is situated near

Longitude 740 04'42.4" to 74004'45.8" and Latitude 24054'05.6" to 24054'09.8".

The mining lease area is situated about 1.3Km SW of Village Pitampura, & District -Kota.

District, State	Village, Tehsil	Topo Sheet No.	Khasra No.	Area in Hect.	Type of land
Kota Rajasthan	Pitampura Kanwas	54D/01	125/597,125/592, &125/593	1.00	Pvt. Land
			Total	1.00	

As Superimposed Khasara map provided by lessee

From	To	Bearing	Distance
FRP	X	48°30°	390m
X	A	28°00°	65.1960m
A	В	28000	69.8040m
В	C	117015'	141.0889m
C	D	201000	68.2475m
D	A	296°30°	149.4453m

FRP: - Well of Shri Ram Lal Gurjar Lat. - 24053'58,5000" & Long, 76004'29,6000"

2.3 Existence of Public Road and nearby and approximate distance there to-The mining lease area is situated near village - Pitampura, Tehsil Kanwas, District -Kota, the shortest distance from Pitampura to Masonry Stone Plot is 1.3 Km.

Infrastructure -

- > Availability of water: The water table is about 60-80m below the surface. The drinking water is brought from the well & tube wells from the nearby areas.
- > Power supply: Village Pitampura is electrified. The electric power facility is not available up to the mine site presently.
- Climate: The climate of the area is dry with extreme temperature variation i. e. in summer as high as 44° C, whereas in winter it lowers to 6°C or even less. Most of the rain falls during the period of July to September. Maximum and minimum rain fall varies (500mm-200mm).
- Medical Facilities: Nearest Dispensary is available at village Pitampura.
- Educational Institute:- The education facility is available at village Pitampura.



3.1 Physiography

The area falls in G.T. sheet No. 45 O/16 and is situated near Longitude 74⁰ 04'42.4" to 74⁰04'45.8" and Latitude 24⁰54'05.6" to 24⁰54'09.8". The height MSL is 264 to 263m with respect to Bench mark pillar A 264m. Area mainly consists of Masonry Stone.

The area falls in Kota district which is in the SE of Rajasthan state, is a part of GT Sheet No. – 45 O/16. The district is surrounded by the boundaries of district Baran, Jhalawar, Bundi, Swai Madhopur, Chittorgarh and borders of MP. Kota district extending over an area 5098sq. and comprises tehsils namely pipalda, Digod, Kamwas, Sangod, and Ramgajimandi. The district head quarter is situated on the eastern bank of Chambal River. The district is served by main track Delhi - Mumbai railway line and kota-Bina borad gauge section of western railways and the network of all weather roads. The district is well connected with NH 27 and NH 12 for good transport facilities. The dams on river Chambal provides enough water and electricity.

The prominent village which falls around this mine, with their aerial distance, which are given below in Table:-

Adjoining villages (with aerial distances in km)

Towards NE	Pitampura	About 1.3 km
Towards NE	Sawanbhadon	About 4.1 km
Towards NE	Awan	About 3.5 km
Towards SE	Nimkhera	About 2.2 km
Towards NW	Ladpura	About 2.1 km

3.3 Regional Geology

Sand stone of Lower Bhandar Group is available in huge quantity and wide range of the area where mining lease exists. Sand stone is defined as a composed rock of sand size of 0.0625-2mm, mineral grains, rock fragments or pieces of fossils which are held together by mineral are mainly quartz SiO2 (up to 95%) and/or feldspar and lithic fragments having iron (Fe2O3) 0.5%-1.5% Alumina (Al2O3) 1%-1.5%. Soda (Na2O) and potash (Kro) less than 1%, lime (Cao) less than 0.5%, Magnesia (Mgo) less than 0.5%. Loss on ignition (LOI) less than 0.5%. The Interstitial pore space between the frame work grains are covered with matrix of very fine material which are bound by cementing material. It may be either silicate or non silicate minerals. Due to this the work is almost impermeable.

Other types of sendimentary rocks found in this area along with the sand stone are mostly shale. Sand stone is formed by stratification (sedimentary layers are stacked over each other) with water flow and air flow. The features are developed by depositional processes

and environmental conditions. The maintreatures are cross bedding, graded bedding, ripple marks and mud cracks. The column structure in sand stone is graded bedding.

The Capacity of water absorption of Sand-stone is not more than 1%. The hardness lies between 6 to 7 on Moh's scale and density is about 2.32 to 2.42kg/m3. The compressive strength of rock varies from 365 to 460 kg/m2. Sand Stone is available in a variety of colours like red, green, yellow, pink, grey and white. The reason for the variation in colours is due to the change in percentage of constituents and binding materials. It is used as building materials and as decorative stone. The Sand stone found in the area in two forms, the massive and fractured sand stone is used as masonary stone and the splitable sand stone is used for making tiles and slabs for various purposes.

The sand stone of the area is highly resistant to acids, alkalies and thermal impact. It also weather resistant, especially at sea's atmosphere.

3.4 Local Geology

Most of the part of Kota district is occupied by rocks of Vindhyan Super Group which forms the part of Great-Vindhyan-basin, extending from Rhhtas bihar to the Chhitorgarh area of Rajasthan. On the basis of different rock- unit the Vindhyan of the area have been divided in to Semri, Kaimur, Rewa and Bhander Groups comprising Sand stone, Shales and Limestone. The Semri Group is separated from Kaimur by conblomerate horizon which marks the break in sedimentation before the deposition of akimur – group.

The lime Stone of Sirbu-shale horizon, at places show the evidence of algal life in the from of arch shapped structures known as "stromatolites". Occurrence of sand stone at different stratigarphic horizons indicate fluctuations of the sea-level due to transgression and regression of the sea several times during the Vindhyan period.

The General statigraphic succession of rock types exposed in Kota district is as under:

	BHANDAR GROUP	SANDSTONE AND LIME STONE
VINDHYAN	REWA GROUP	SHALES AND SAND STONE
SUPER GROUP	KAIMUR GROUP	SAND STONE, SHALE AND CONGLOMERATE
	SEMRI GROUP	SAND STONE, SHALE AND LIME STONE



4.1 Parameters of estimation of category of reserves and there categorize:-

4.2 Estimation of Reserves:-

Proved Reserve: 111

It is assumed as per the present mining scenario:

- (i) The depth of Proved mineral is taken up to 227m R.L. from surface.
- (ii) Based on the prior experience the recovery factor may be considered as 95%.

Proved Table Reserve 111

Mineralized zone Area (m²)	Depth (m)	Mineral Vol. (m³)	Bulk Den. MT/m³	Mineral (tonnes)	Rec. Mineral 95% (tonnes)	Waste Mineral 5% (tonnes)
10000	35.5	355000	2.5	887500	843125	44375
		Total		887500	843125	44375

Probable Reserve: 121

- It is assumed as per the present mining scenario
- (i)The depth of Probable mineral is taken further 15m below the proved Mineral zone.
- (ii)Based on the prior experience the recovery factor may be considered as 95%.

Probable Table Peserve

Mineralized zone Area (m²)	Depth (m)	Mineral Vol. (m ³)	Bulk Den. MT/m ³	Mineral (tonnes)	Rec. Mineral 95% (tonnes)
10000	15	150000	2.5	375000	356250
		Total		375000	356250

Possible Reserve: 333

- It is assumed as per the present mining scenario
- (i)The depth of possible mineral is taken further as 5 m below to probable mineral zone.
- (ii)Based on the prior experience the recovery may be considered as 95%.

Possible Reserve

Mineralized zone Area (m²)	Depth (m)	Mineral Vol. (m³)	Bulk Den. MT/m ³	(tonnes)	Rec. Mineral 95% (tonnes)
10000	5	50000	2.5	125000	118750
	Total			125000	118750

Nature of Reserve	* Total Reser	Rec. Mineral 95% (tonnes)
Proved	THE	843125
	7.11	
Probable	454	356250
Possible	333	118750
Total		1318125

4.3 Total Mineable Reserve - (Proved + Probable) = 843125 + 356250 = 1199375MT

Mining Losses (07%) = 1199375 - 83956MT = 1115419MT

4.4 Reserves under Statutory Barrier

- (a) Reserve of Statutory Barrier in Proved category
 - = 138 x 7.5 x 35.5 x 2.5 x 0.95MT
 - = 87263MT
- (b) Reserve of Statutory Barrier in Probable category
 - = 138 x 7.5 x 15 x 2.5 x 0.95MT
 - = 36872MT

Total Reserve in Statuary Barrier = 87263 + 36872

= 124135MT

4.5 Total mineable reserve = Total reserve - Total Losses

= 1115419-124135= 991284MT

4.6 Anticipated Life of Mine

Average production proposed is about of 104394MT of per annum. Therefore Anticipated Life = Mineral yet to be excavated/ Avg. Annual Production

= 991284/104394

= About 09Years

The Life of mine may change depend upon the prospecting results, rate of production and the extent of mechanization done by the lessee in near future.

5.1. Proposed Mining Method. The mining lease area shall be developed by opencast Mining. The mining shall be started from the surface. The Masonry stone is

Bench Parameters shall be - 1. Height - 6m 2. Width - More than 6m. (Max. Boom length of excavator).

5.2 Existing old working there are no existing pit in the Mining lease area.

laying on the sub surface therefore open cast mining has been the obvious choice.

5.3 The five year development programme of the Masonry Stone Plot are as follows:

2018-2019

During this year of Simplified Mining Plan the Lessee will be excavate one Bench (R.L. 258 above) shall be advance in NW direction. About 67665MT of material shall be excavated. This will include 64282 MT of recoverable mineral & 3383MT wastes generated. The bench wise excavation figure has been given in below:

Bench wise ROM excavation along section XX'

Bench No./ mRL	Plan area in m²	Depth in m.	Volume in m³	Bulk Den. MT/m³	ROM excavation in tones	Saleable Masonry stone in tones of 95%MT	Waste in tonnes 5%MT
258 above	4511	6	27066	2.5	67665	64282	3383
	Total			-	67665	64282	3383

2019-2020

During this year of Simplified Mining Plan the Lessee will be excavate two Benches (R.L. 258 above, 258-252) shall be advance in all direction. About 81960 MT of material shall be excavated. This will include 77862 MT of recoverable mineral & 4098MT wastes generated. The bench wise excavation figure has been given in below.

Banch wise BOM execution along section YY'VV

Bench No./ mRL	Plan area in m²	Depth in m.	Volume in m³	Bulk Den. MT/m³	ROM excavation in tones	Saleable Masonry stone in tones of 95%MT	Waste in tonnes 5%MT
258 above	4453	6	26718	2.5	66795	63455	3340
258-252	1011	6.	6066	2.5	15165	14407	758
T	otal				81960	77862	4098

2020-2021

During this year of Simplified Mining Plan the Lessee will be excavate two Benches (R.L 258-252) shall be advance in all dreating About 02745 MT of material shall be excavated. This will include 88108MT of recoverable mineral & 4637MT wastes generated. The bench wise excavation figure has been given in below:

Bench wise ROM excavation along section XX'YY'

Bench No./ mRL	Plan area in m²	Depth in m.	Volume in m³	Bulk Den. MT/m ³	ROM excavation in tones	Saleable Masonry stone in tones of 95%MT	Waste in tonnes 5%MT
258-252	6183	6	37098	2.5	92745	88108	4637
To	otal				92745	88108	4637

2021-2022

During this year of Simplified Mining Plan the Lessee will be excavate two Benches (R.L. 258-252,252-246) shall be advance in all direction. About 142185 MT of material shall be excavated. This will include 135076MT of recoverable mineral & 7109MT wastes generated. The bench wise excavation figure has been given in below:

Bench wise ROM excavation along section XX'YY'

Bench No./ mRL	Plan area in m²	Depth in m.	Volume in m ¹	Bulk Den. MT/m³	ROM excavation in tones	Saleable Masonry stone in tones of 95%MT	Waste in tonnes 5%MT
258-252	1355	6	8130	2.5	20325	19309	1016
252-246	8124	6	48744	2.5	121860	115767	6093
T	otal				142185	135076	7109

2022-2023

During this year of Simplified Mining Plan the Lessee will be excavate two Benches (R.L. 246-240,240-234) shall be advance in all direction. About 164880 MT of material shall be excavated. This will include 156636MT of recoverable mineral & 8244MT wastes generated. The bench wise excavation figure has been given in below:-

Bench wise ROM excavation along section XX'YY'

Bench No./ mRL	Plan area in m²	Depth in m.	Volume in m ³	Bulk Den. MT/m³	ROM excavation in tones	Saleable Masonry stone in tones of 95%MT	Waste in tonnes 5%MT
246-240	7721	6	46326	2.5	115815	110024	5791
240-234	3271	6	19626	2.5	49065	46612	2453
T	otal				164880	156636	8244

year	ROM excavated, in MT tonnage	Saleable flasonry stone in tonnes fall Grades & size)	Waste of Volume in MT
2018-19	67665	64282	3383
2019-20	81960	77862	4098
2020-21	92745	88108	4637
2021-22	142185	135076	7109
2022-23	164880	156636	8244
Total	549435	521964	27471

5.4 Waste & Mineral transportation. The Masonry stone shall be excavated then carried to the temporary Stack Yard. The Masonry stone shall also be excavated by mechanical excavator using the dumpers.

5.5 SURFACE TRANSPORT

The Masonry stone rock shall be loaded by Excavator & dumpers for its transportation to the plant.

5.6 Extent Of Mechanisation Initially Excavator & Dumpers will also arrange on hire basis

Details of Proposed Mining Machinery

Machine	Nos.	Make	HP/Capacity
Jack Hammers	2	Atlas Copco	32mm
Compressor	1	Local	62.5 HP
D. G. Set	1	Local	15 KVA
Poklean	2	Hitechi	148 HP
Dumper	4	Ashok Leyland	75 HP
Water Tanker	1	Ford	5000 Litre
Wagon drill m/c	1	Atlas copco	30m

1. Excavation & loading of mineral from face: As indicated earlier, it is proposed to use hydraulic excavation (Hitachi-210) of 1.2 cum, bucket capacity for exaction & loading of material from the mine face. The production from the mine can be maintained during the next five years by working 1shift per day.

2. Excavation & Loading Capacity of Loader: The loading capacity of Excavator & Loader are given by the following equation:

 $L = B \times r \times n \times t \times E/K$

Where

L = Excavator & Loading capacity per shift in cum.

B = Bucket capacity in cum. (1.2 cum.)

r = Co- efficient of filling of filling (assumed 0.8)



t = No. of effective working hours in a shift (taken as 6.0)

E = Efficiency of utilization (assumed as 0.80)

K = Swell factor (taken as 1.25 i.e. 25%)

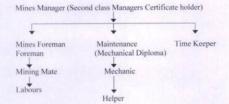
L = 1.2 x 0.8 x 50 x 6 x 0.80/1.25 = 184.32 cum/shift (stay 184 cum.)

3.Number of Excavator Required: Therefore number of excavators required for mineral production comes to 1 NO.

A 25 H.P. diesel engine operated pump has deployed in the mine for pumping out accumulated rain water from pit bottom.

5.7 Employment

For Masonry Stone Plot, Technical, other staff and Man Power required are as follows:



The labour manpower will be engaged on contractual basis as and when required.



The Blasting shall be done by the authorized contractors on contractual Basis. These contractors have their own safety explosive container as well as Explosive License.

Lessee may use Jack Hammer drilling of 32mm dia Hole or 110mm Hole dia of wagon drill m/c. Lessee may use deep hole blasting after getting DGMS permission.

6.1 Broad Blasting Parameters

Length of Shot Holes	:	1.5 m
Diameter of Shot Holes	:	32 mm
Spacing	:	1 m
Burden	:	0.8 m
Stemming	:	30%

6.2 Type of Explosive

Special Gellatin, delay Detonator, R-cord,

6.3 Charges per Hole & Powder Factor

1.	Expected Powder Factor	:	4 Tonnes/kg of explosive
2.	Quantity of Ore Broken Per Hole	:	3.0 Tonnes
	= Depth x Burden x Spacing x Sp. Gravity		
	= 1.5 x 0.8 x 1 x 2.5		
3.	Explosive Required per Hole	1	3.00/4 = 0.75 kg
	Sp. Gel. Per Cartridge		0.225kg
	Sp. Gei. Fer Cartriage		0.22JRg

Total Insitu rock to be blasted per year (max. for this period) = 164880 tones No. of holes required in a year =164880/3 = 54960hole.

No. of holes required in a day (working of 300 days per year)

= 54960/300 = about 183hole

Amount of explosive required in a day = 177×0.75 = about 137kg.

Max no. of holes to be blasted in a row: - 10 Nos

6.4 OMS

No. of Shift Per Day : one

Average Production per day : 164880/300 = 550 Tonnes

: 300

Proposed No. of Labours : 28

No. of Working Days/year

OMS : 550/28 = 20 Tonnes

6.5 Storage of explosive The explosive shall be supplied by the authorized contractor at the blasting site at the time of blasting. The explosive shall be directly used so no storage of explosive is proposed.

6.6 Safety Precautions

- During handling all care should be taken that no inflammable elements should be there.
- Only safety explosive container with explosive license should be used for safe & secure transportation of explosive.
- Efficient Siren should be blown prior to the blasting & clearance of blasting.
 Secondary Blasting Are Not Required.



The Ground water table is 60m from the surface (203MSL in rainy season) to 80m (183MSL in Dry Season). In the mining lease area the flow of water is very low. The water from pit will be pumped by diesel pump of 5 HP capacities. The working at the end of third year will not intercept the water table. The natural gradient will drain out water from mine area in rainy season. Required rain water in the pit shall not discharge and shall be utilized for Water spraying, plantation, and other mining work. At the end of life of the mine the pit shall be used as water reservoir.



8.1 Nature of Waste

The waste overburden in the area is only intermixed soil. The total waste rock to be handled in five years is as follows.

Year	Volume of waste in M ³	Taking Swell Factor 30% in M ³	Total m ³ swell Vol
2018-19	1353	406	1759
2019-20	1639	492	2131
2020-21	1855	556	2411
2021-22	2844	853	3697
2022-23	3298	989	4287
Total	10989	3296	14285

The waste rock produced shall be loaded by Excavator & dumped by dumpers for its transportation to the reject dump yard & when required way be used for making road. the waste material shall be dumped outside the mining lease area and in his own land.

Dump Location: - Out of the Lease area

Top Soil:- Not generated



No Beneficiation is required. The Masonry stone will be loaded by excavator into dumpers and transported to the plant.

CHAPTER - 10 SURFACE TRANSPORT

The overburden is transported from mine in dumpers of 20 MT.

CHAPTER - 11

USES

Uses of Masonry stone to preparation of road & other Construction work.



Power supply

Electric power supply Line exists near the mining lease site. It is proposed to connect the mine with supply connection.

Water Supply

Water is being supplied from a tube well near the mining lease area and a tractormounted tanker is proposed for supply of water to mining work, spraying, watering the plants and drinking purposes.

First Aid

First aid facility shall be available at office.

Mine office

Temporary office is proposed.

Rest Shelter

Temporary rest shelter has been provided near mining lease site.

Latrines and Urinals

At the MINING LEASE site urinal and latrine are proposed.

EMPLOYMENT POTENTIAL

The company shall employ Mine official (Mines Manager, Forman) in accordance with the provision of the 30 of RMMCR 2017.

The workers to be employed shall be semi-skilled and unskilled. Most of them will come from the nearby villages. With the increase in the production additional man power shall be required. Considering the OMS 20 MT Tones in the mechanized mining the organizational set up proposed is given below:

Mines Manager		1
Asst. Manager	4	1
Mines Mate/Mines Foreman		1
Dumper Driver		4
Watchmen		1
Skilled Labours	-	14
Unskilled Labours		6



Base Line Information

1 Existing Land Use Pattern

Masonry stone and soil are mostly occupying the mining lease area. The surface texture varies from rugged terrain of debris and mild Gradient terrain covered by bushes. There is no agriculture land exist in the area. This soil is generally poor in Nitrogen. The existing land use pattern is given in the format.

S. No.	*All the areas are given in Hectares	Pvt. Land	Total (Hect.)
1	Area under excavation		
2	Storage of Top Soil	-	
3	O/B Dump		
4	Mineral Storage	н-	
5	Sub Grade Mineral Storage		
6	Infrastructure		
7	Road/ Cart track		
8	Railway	**	
9	Green Belt/plantation	-	
10	Tailing Pond	**	
11	Effluent Treatment Plant	-	
12	Mineral Separation Plant	**	-
13	Town Ship		
14	Electric line		-
15	Others		
16	Virgin area	1.00	1.00
	Total	1.00	1.00

Agriculture work is being done outside of the mining lease area, where soil is available for cultivation. Maize, wheat etc. are common varieties of the crops, which are grown on the agriculture land. As land is not fertile, yield is very poor.

(ii) Water Regime Natural watercourses exist out of the mining lease area. These are serving the purpose of conveying rainwater into pound. The water table is at about 80-100 m from surface in the area. The quality of water is normal and free from any problem of salinity.

(iii) Flora & Fauna

Few bushes can be seen in the area. Moreover, there is no demarcated/protected forest close to the area. The protected wildlife animal in & around mining lease area is also not present.

(iv) Climatic Condition

The area is characterized by semi arid with an average annual rainfall of about 600 mm, which is mainly received during monsoon season of July to September. There is a large variation of temperature in the area. In winter the minimum temperature goes to 1°C and maximum 10°C, while in summer it is 35°C and 50°C respectively. Relative humidity in the area is more than 70% during the monsoon season but is below 20% during the months of March-May. Wind velocity in the area is medium (5-20 m/min).

(v) Public buildings, places and monuments

No such buildings, places and monuments exist in or nearby the area.

(vi) Quality of Air and Water

Air is free from pollution and water is safe for human consumption.

ENVIRONMENT IMPACT ASSESSMENT

Impact of mining on the Environment: The common adverse effect of mining on environment is as under:

(A) Land Environment

(i) Land Scape

The land escape of this mine will be disturbed only marginally by the proposed mining and dumping in the area. The degradation shall be as shown in the table:

S. No.	*All the areas are givent in Hectares	Pvt.	Total (Hect.)
1	Pits & Quarries	0.8965	0.8965
2	Top soil Dump		
3	Dumps -	++	
4	Mineral Stack Yard		-
5	Sub Grade stack Yard	-	
6	Infrastructure (Work shop, administrative Building)	**	
7	Roads		
8	Railway		
9	Green Belt		
10	Tailing Pond		
11	Effluent Treatment Plant		-
12	Mineral Separation Plant		- 12
13	Township	**	
14	Non Utilized	0.1035	0.1035
	Total	1.00	1.00

S. No. in Hectares Land (Hect.) Water Reservoir 0.8965 0.8965 Top soil Dump Backfilled area 4 Stack Yard Sub Grade stack Yard Infrastructure (Work shop, administrative 6 Building) Roads Railway 8 Green Belt 9 (other than Backfilled)

At the End of the Life of the Mine land use pattern

Total

n

1.00

Pvt.

0

1.00

Total Likely depth of the pit at the end of the 5th year is 30m (234mSL)

*All the areas are given

(ii) Aesthetic Environment

Tailing Pond Effluent Treatment Plant Mineral Separation Plant Township Non Utilized

10

The area is having little aesthetic surrounding and there will be little effect on aesthetic environment by the mining activities and the proposed plantation will compensate minor impact.

(iii) Agriculture

The proposed mining will not be done of an excitable field or in agriculture area and therefore, no impact will take place of the area neither the area is such where the agriculture can take place in future. So there will be no impact on agriculture by the proposed mining activities.

(iv) Forest

The mining area does not fall in reserve forest. In the operating area the density of vegetation is also so poor and by the proposed pit development, no tree will be cut. Hence no more impact will take place on the forest.

(v) Vegetation

The vegetation in mining area is in poor state, only some small bushes exist and as such no more effect will take place by mining activities on vegetation.

(vi)Public Building, Places and Monuments

No public building, places of monuments are exists in or nearby the mining lease area, so there will be no effect by mining activities on any public building, places and monuments.

(B)Water Environment

(i)Surface Water

No nalah, spring or surface water is exists in the proposed mining lease area and hence there will be no effect on surface water due to mining activities.

(iii) Ground Water

The water table in the area is low as 60-80 m from surface. There will be no discharge of toxic substance from proposed mining and hence due to proposed mining activities no impact on ground water will take place. The proposed excavation will reach only up to 48m from the surface level, so it will be much above water table.

(iv) Water Quality

No impact will take place due to mining activities on water quality, as no toxic or polluted water will be discharged, neither the pit depth will go below water table.

(C) Air Environment

(i) Noise

Generation of ground vibration and noise is under limit and low enough. To find out effect of moving machinery and other associated activities a detailed noise survey has carried out. The noise level with the mechanized mining operation varies 62-65dBA. The noise level remains under permissible limit 80dBA. There shall be no adverse impact on this account to the workers and local inhabitants. The impact on the air due to mining activities can take place by generation of the fine dust due to:

- (ii) Air The only source to pollute air is the generation of dust while undertaking the mechanized mining operation including loading transportation & unloading sizing the mineral. It had been predicted that SPM concentration at work zone would be around 120-150 ug/m³ & this person of the pollutants would be towards the eastern side as the predominant wind direction. The total SPM concentration would be less than the national permeable limit of 200 ug/m³ for residential area. There for it may stated that impact on air quality of the surrounding air environment due to quartz & feldspar mine may not be significant.
- (a) Drilling and Blasting.
- (b) Running of external transport machinery, like dumpers, trucks in the mining area. Due to these mining impact will be very low / negligible. This will be controlled by spraving water in the area & well drilling.

(iii) Climatic Condition

Climatic condition of area will have no change by mining activities, as the mining activities will be of a very limited nature, so there will be no impact of mining on climatic condition.

(D) Socio-Economic Environment

(i) Social and Demographic Profile

As far as the social and demographic profile is concerned there will be a positive effect on the status of the persons employed in the mines because they will get employment and their financial position will be improved and their status will also improve, because there is hardly any employment potentiality in the area for the persons. The workers will also be provided with facilities like medical care, money

saving scheme as Provident Fund, bonus etc. an actus there will be all around improvement in their social life. There will be a solid effect on the area due to their employment. As far as the demographic for the concerned on the persons will be affected due to mining activities.

(ii)Human Settlement

No human settlement exists in lessee area hence no impact will take place on human settlement.

(iii)Recreational Facility

The proposed mining activities will not have any impact on the recreational facility of the area, as the proposed mining activities will not take place on any playground or field.

MANAGEMENT PLAN

The following management plan will be made to overcome the impact caused by the mining activities.

(A)Land Environment

(i) Land Scape

Landscape will not be changed much except the excavation of pit. The area is scanty and favorable; pit will be converted to the water reservoir at the end of mine life.

(ii) Aesthetic Environment

Aesthetic beauty will improve in the form of green belt created by plantation.

(iii) Agriculture

No management plan required.

(iv) Forest

No management plan proposed. The proposed plantation will enhance the density of trees in the area.

(v)Vegetation

Plantation will be done as proposed in the programme of plantation.

(vi) Public Building, Places and Monuments

No management plan required.

(B) Water Environment

(i) Surface Water

No management plan required.

(ii) Ground Water

No management plan required.

(iii) Water Quality

No management plan required.

(iv) Air Environment

- (i) Noise -Regular maintenance of drills and excavator and replacement of damaged/ worn out parts when even required. As an extra precaution earplugs will be provided to the persons exposed to high noise level.
- (ii) Spraying of water from time to time and maintenance of road will also save breakdown of machinery and as well as less dust generation. Dust generation during drilling will be overcome by application of wet drilling or use of suitable dust collector. Dusk masks will be provided to the drilling crew and persons exposed to dust.

(iii) Climatic Conditions

No impact will take place on climatic conditions of the area and hence no management plan is proposed.

(D) Social Economic Environment

(i) Social and Demographic Profile

The Lessee shall spend 1% of profit for the development of the area. She donates money in the school, to poor for treatment, temple and other social work.

(ii) Occupational Health and Safety

To prevent the occupational disease the measure as proposed in drilling operation in previous columns will be taken. This will prevent the inhalation of the dust by the workers. The workers will be periodically medically examined under Rule 29(b) of Mines Rule. If any worker found to have contracted with any occupational disease he will be immediately removed from the effected area and will be provided with proper medical care as per provision of Mines Rule.

Safety to prevent the worker getting any injury during work following measure will be taken:

(i) The workers will be trained in vocational training whenever available in nearby area. Where they will get proper training in their particular work area.



(ii) They will be provided proper safety wearing and suppments such as hand gloves safety boots, helmets, and lifeline etc.

(iii) Proper benches will be formed. Apart from this all afety precaution will be taken as per Act, Rules Regulation and Byelaws made incre under.

(iii) Human Settlement

The local inhabitant will be protected during blasting operation.

(v) Recreational Facility

No impact will take place on the recreational facilities and hence no management plan is proposed.

PROGRAMME FOR PLANTATION

The area falls is semi arid zone and there is a shortage of water so a large-scale plantation is not possible. The rains are also scanty hence it is essential that the sapling of plant should be such which required minimum water and hence it is proposed to plant 73 trees per year of the following:

1. Babool 2.Vilayati Babool 3.Khejari 4.Amal Tas 5. Perkin Sonia 6.Neem 7.Nilgiri 8.Sitafal

As per norms one hectare area is required for planting 73 trees/Year. Each year an

S. No.	Year of Plantation	Target of Plantation	Assumed survival	Replenishment of Casualties	Total
1	2018-19	73	51		73
2	2019-20	73	51	22	73
3	2020-21	73	51	22	73
4	2021-22	73	51	22	73
5	2022-23	73	51	22	73

Eco-Friendly Mining Association and the Association shall also plants as their plan.

Schedule of plantation for the next five year.

Place of proposed plantation: - The plantation shall be done at the following places:-

- 1. Nearby area of the School
- 2. At the Dump
- 3. At the govt, waste land provided by the Govt.
- 4. At Own Private Land
- 5 nearby State Highway road

Post Plantation Care:

(i) Protection from Grazing

Protection from grazing will be done of the distable boundary in the plantation area. As such in this area lessee will erect stonewall. This will protect plants from grazing.

(ii) Watering during Dry Spell

Though these trees will required very less water however, in the first year from March to July, the watering will be done daily and September to February Thrice a week by water tanker/Over head tank in the plantation area. Thereafter each year watering will be done alternate day from January to June and once in Five day September to February. After five years no watering will be required.

- (iii) Manuring The manuring will be done while plantation work is taken up, for this purpose goat Dung will be dumped in the pit only once, because once the Goat Dung manuring is given it will last for five years. No other manuring is required for the proposed plantation.
- (iv) Protection from pest like white aunt etc. will be done during the plantation and in the proposed pit 10gms of BSC powder will be given before plantation. After a few months liquid pesticide mixed with 100 times water will be spread near the planted sapling.

(vi) Replenishment of Casualties

The loss of each year will be counted and in subsequent plantation casualties will be again planted at same place. This way in the end of 5 years 100 healthy trees will remain in the area giving proper density.



- The lessee shall comply all provision of Miles Act, Rule, Regulation, and bye-laws made their under.
- Consent from State Pollution Control Board. Application has been made for consent.

Present Measures	Future Measures
1. Plantation outside of the mining	1. Spraying of water on the haul roads.
lease area.	2. Plantation shall continue.
2. Water spraying on haul roads.	3. Regular maintenance of machinery.
	4. Goggles, Earplugs shall be provided.
	5. No. Discharge of water and shall be utilize
	for spraying, and other purpose.
	6. Proper maintenance of haul roads.

CHAPTER - 15.0 FINANCIAL ASSESSANCE

S. No.	Head	Area put on use at start of Plan (In Ha.)	Additional requirement during Plan of period (in. Ha.)	(int. (rus)	Area considered as fully reclaimed & rehabilitated (in. Ha.)	Net area considered for calculation (in. Ha.)
1.	Area under mining		0.8965	0.8965	-	0.8965
2.	Storage for top soil		-	-	-	
3.	Overburden/ dump	**	-	-	-	-
4.	Mineral storage		-			-
5.	Infrastructure (Workshop, administrative building etc.)	-		-		-
6.	Road			-		
7.	Railway					
8.	Green Belt				**	**
9.	Tailing pond	**	**			
10.	Effluent Treatment				-	-
11.	Mineral Separation Plant	-		-		-
12.	Township area				22	
13.	Sub Grade Stack Yard		- 17	-		-
				GI	RAND TOTAL	0.8965

Financial Assurance/Surety may be submitted to Mining Engineer, Kota, as per Rule 29 (xv) of R.M.M.C.R., 2017.

Manoj Kumar Sharma

PLOT NO. - 02

Hemraj Banthia

RQP. NO. RQP/UDP/216/2001 - A Renewed up to 01/02/2021

राजस्थान स्व कार्यालय अधीकण खनि अभियन्ता एवं मुविशान विभाग कोटा —वृत, कोटा सवस्थारा रोज केटा, दुरुगाय 2472020 खनिज भवन' प्लाट मं.३, टैगोर नेप

कमांक : अखाअ/कोटा-वृत/सीसी-ग/प-41(2017)/ श्री मनोज कमार शर्मा. पन श्री जगदीश प्रसाद शर्मा निवासी गांधी चीराहा सांगोव जिला कोटारशजा)

do 22.01.2018

दिनांक: 23.01.201

विषय:- राजस्थान अप्रधान स्वनिज रियायत नियमावली, 2017 के नियमों के अनुसार ग्राम पीतामपुरा तह0 कनवास जिला कोटा की खातेदारी मिंग खसरा नं. 125 / 507, 125 / 502 व 125 / 503 में क्षेत्र 10 हैक्टेयेर का डेलिनियेटड प्लाट नं. 2 के खननपटा आवंटन हेत मंशापत्र जारी करने बाबत । प्रसंग:- खनि अभियन्ता, रामगंजमण्डी का पत्र कमांकः खंअ/राम/सीसी/प्लाट-2/2018/87

उपरोक्त विषयान्तर्गत प्रासंगिमक पत्र के कम में लेख है कि निर्देशालय सदयपुर के निर्देशालयार अध्यान स्पनिता के खननपटे डेलिनियेटेंड किये जाकर ई-आक्शन(नीलामी) के तहत दिये जाने के कम में निकट ग्राम पीतामपरा तहा कनडान जिला कोटों की खातेदारी गुमि के खातेदार श्री मनोज कमार शर्मा की खातेदारी भूमि खसरा नंव 125/597 रकबा 0.41 हैं। किस् बारानी में से में 0.1924 हैं0 भूमि एवं खसरा नं0 125/592 रकवा 0.81 है0 में से 0.7948 है0 किरम बारानी भूमि पर तथा खारोदा-त्री कुलाकान्त शर्मा की खातेदारी पुनि खसरा नंo 125/593 रकबा 0.81 हैo में से 0.128 हैo भूमि पर खनिज मैसेनरी स्टोन क खनन पटटा प्लाट नं 2 ई-आक्शन के माध्यम से दिय जाने हेत नीलामी के दितीय चरण में दिनांक 22.12.2017 उच्चतम प्रारम्भित बीउ 21 प्रतिशत के मुकाबले ऑतम बीड 22 प्रतिशत पर श्री मनोज कुमार शर्मा पुत्र श्री जगदीश प्रसाद शर्मा निवासी गांधी चौराहा सांगोद जिला कोटा को उच्चतम बोलीदाता माना गया।

चंकि उक्त प्लाट नं. 2 की खातेदारी भिन की समस्त खातेदारी अधिकार श्री मनोज कमार शर्मा के पास होने 🗟 राजस्थान अप्रधान खनिज रियायत नियमावली, 2017 के नियम-14(8XiiXh) के अनुसार उच्चतम बीड राशि होने से स्वत सफलतम बोलीवाता माना गया है। जिसपर नियम-14(10) के अनसार प्रथम किस्त राशि रू० 7500/- बालान में GRN No 002042028। दिनांक 01.01.2018 से जमा कराई गई तथा नीलामी राशि स. 7500/- व मिनिमम बीड राशि स. 30000/- कर 37500 / -RTGS No. SBIN217327533888 दिनांक 23.11.2017 को पूर्व में जमा करवा दी गई है। खनि अभियन्ता, रामगंजामण्ड दारा पासंगिक पत्र दिनांक 10.01.2018 से आपको सक्त खननपटा संशति दिये जाने का मंशापत्र जारी करने हेत इस कार्यालय के प्रस्तावित किया है।

खनि अभियन्ता, रामगंजमण्डी के प्रस्तावानसार निकट ग्राम पीतामपुरा तहुं। कनवास जिला कोटा की खातेयारी महि में खनिज मैसेनरी स्टोन का डेलिनियेटेड प्लाट संख्या 2 क्षेत्र 1.0 हैक्टेयर का खननपटा आपके पक्ष में स्वीकृत किये जाने की इन कार्यालय की भंशा है। अतः राजस्थान अप्रधान खनिज रियायत नियमावली, 2017 के नियम-16(2) के अनुसार निम्न पुर्तिया करें ताकि खननपटा स्वीकृति के सम्बन्ध में कार्यवाही की जा सके :-

1. न्युनतम वार्षिक गास्न्टेंब विभियम की शशि की 25 प्रतिशत शशि द्वितीय किस्त मंशापत्र जारी होने की तिथि के 30 दिवस की अवधि में जमा करानी होगी।

2. राजस्थान अप्रधान खनिज रियायत नियमावली, 2017 के नियम-20 के जनसार परफोरमेन्स सिक्यरिटी तथा जनमोदिर मार्डनिंग प्लान मंशापव जारी होने की तिथि से 6 माह के अन्दर जमा कराना होगा।

3. मंशापत्र जारी होने की तिथि से 18 माह की अवधि में नियमानुसार सभी सहमतियां, अनुमोदन एंव पर्यावरण अनुमार

(Envierment Clearance) प्राप्त कर प्रस्तुत करना होगा।

नोट - राजस्थान अप्रधान खनिज रियायत नियमावती. 2017 एवं राज्य / केन्द्र सरकार / न्यायालयों द्वारा समय-समय पर जारी परिपत्र / अधिसवना / आदेशों की पालना सनिश्चित करेगा तथा अण्डर टेकिंग एवं जपसेक्त पर्तियां निवत समय पर पर्ण करने में असमर्थ रहा तो मंशा पत्र स्वतः ही नल एण्ड वाईड माना जायेगा। भवदीय.

> (पी.एस.पीना) अधीक्षण खनि अभियन्ता, कोटा-वत-कोटा दिनांक:-

कर्माक:-समसंख्यक/2018/

प्रतिलिपि निम्न को सचनार्थ एव आवश्यक कार्यवाही हैत प्रैंबित है :-

1. श्रीमान निदेशक महोदय, खान एवं भृविक्षान विचान, खंदयपुर को इस कार्यालय के प्रत्रांक 3821 दिनांक 10.10.2017 के कम में।

2. खनि अभियन्ता, रामगंजमण्डी रामगंजमण्डी को प्रांसिंगिक प्रस्ताव के कम में नियमानुसार आवश्यक कार्यवाही हेतु प्रेषित है।

अधीवाण छानि अभियन्ता. कोटा-वत-कोटा

PLAN AND DESCRIPTION REPORTS AS WIMG OF AREA APPLIED FOR MINING LEASE VON MEMERAL MASONARY STONE NEAR VILLAGE PITAMPURA TESHIL KANWAS DISTRICT KOTA

SCALE-1CM=40M

applied

ERP-WELL OF RAMLAL GURJAR Latt.-24°53'58.5000" Long.-76°04'29.6000"

OFR

DESCRIPTION REPORT

FROM	TO	BEARING	DISTANCE
FRP	X SEE	48130.001	3904
X	A	59.00.00.	65 19608
	1	28-00-001	69.804DM
		TITALS OF	141.0889M
C	0 2	01.00.00.	68.2475N
		96*30'00"	149 4453M

TOTAL APPLIED AREA-1.00HECT

APPLICANT SIGN

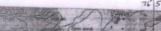
PLAN AND DESCRIPTION REPORT SHOWING PROPOSED DELINEATION AREA APPLIED FOR MASONARY STONE NEAR VILLAGE PITAMPURA TESHEKAN DISTRICT KOTA

FRP-WELL OF RAMLAL GURJAR Latt.-24°53'58.5000" Long.-76°04'29,6000"

SCALE-ICM=500M

ART OF G.T. SHEET NO. 54 D/1







DESCRIPTION REPORT

FROM	TO	BEARING	DISTANCE	
FRP	X	48*30'00*	390M	
Х	A	58,00,00,	65.1960M	
A	В	58,00,00,	69.8040M	į
В	C	117*15*00*	141.0889М	
C	D	501,00.00,	68.2475M	l
D	Α	296*30'00*	149.4453M	

APPLIED AREA

TOTAL APPLIED AREA-1.00HECT.

Prepared By-D/MAN 26/9/17

MINING ENGINEER RAMGANJMANDI



हिता हिनार ५-०१-२०१२ को जायिका पत्र स्मार्ग स्व अ०। राम हिनारी १-०१-२०१२ हो स्वाल की मनोस स्वाल राम होता । ०१-२०१२ हो स्वाल की मनोस स्वाल राम होता हो हिनारी । ०१-२०१२ हो स्वाल की मनोस स्वाल राम हो हो है। इस स्वाल १२०१ है। इस स्वाल स्वाल १२०१ है। हो स्वाल की स्वाल स्वाल स्वाल स्वाल की स्वाल

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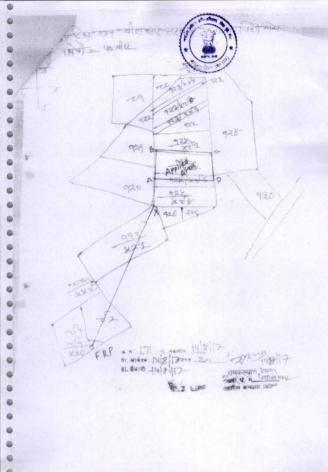
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।। कार्यालय (Nayapura, Civil Lines Kota Te



ोटा (राज.)।। Fmail ID-def.kota.forest@gmail.com)

खनि अभियता. खान एवं भू-विज्ञान विभाग, रामगजमण्डी, कोटा।

विषय:- वन रहित प्रमाण पत्र मिजवाने वाबत।

सदर्भ-आपका पत्र क्रमांक सं० स.अ./राम/सीसी 1/2017/1865 दिनांक 07.07.2017

विषयातर्गत संदर्भित पत्र के क्रम में निवेदन है कि श्री कृष्णकांत शर्मा पुत्र थी गिरिशज प्रसाद मा निवासी पाप दसरा जिला बारा आवंदित स्थल ग्राम पीतामपुरा तहा कनेवास जिला कोटा म स्वसरा न0 125 / 583 125,123 / 590 123 कुल स्कबा 2 18 है एवं भी मनोज अमार शमा पुत्र श जगदीश प्रसाद शर्मा निवासी गांधी चौराहा सांगींद आवेदित स्थल ग्राम पीतामपुरा तहः) कनवास जिल कोटा के खसरा न 125/594,125/597 125/592 करा रकवा 2,02 है का अवीय वन अधिकारी क भवास द्वारा पत्रांक 499 दिनाक 17.08.2017 को मीका निरोक्षण कर मौका पंचनाम प्रस्तुत कर खसर न 123 वन सीमा से 800 मी. की दूरी पर एवं खसरा न 125 वन सीमा से 825 मीटर की दूरी पर रिधत होना अवगत कराया है। अतः इस कार्यानय को कोई आपत्ति नहीं है।

> भावतीय उप वन संरक्षक कोटा



No. - Se.Geo./KT/Deli/2017/ \c\

Dated: 21/09/17

Subject: Geological report of delineated area n/v Pitampura, tehsil - Kanwas,

district-Kota (as per RMMCR - 2017.)

Reference no. : ME Ramganj mandi letter no - ME /Ram/CC/(2017)/1587 , Dt- 22-06-17 and letter no-ME /Ram/CC/(2017)/2060 . Dt- 18-09-17

1. Mineral availability report for : Masonry stone .

2. Delineated area: As per ME, Ramganjmandi record area falls partially in khatedari Khasra no 125/597, 125/592 and 123/593 n/v Pitampura, tehsil - Kanwas, district- Kota.

3. Inspecting officer: S. Goswami, Se.Geologist, Kota

4. Applied area: 1.0 hectare

6. Date of inspection : 13/09/17

Geology: Geologically the area comprises of rocks of sandstone belonging to lower Bhander Group of Vindhyan Supergroup . The sandstone of the area is redish brown to eathy yellow in colour, fine to medium grained, hard but fractured and coarsely bedded.

Existing mines/quarries in the vicinity and old exploration work: There is a nearby operational pits of STP for masonry stone in Khasra no 177 and 180 at around 300 mts SE to the area under delineation

9. Potentiality of the applied minerals/ rocks: As the entire applied area is occupied by sand covered plains, no exposures/formations are found on the surface. The common pit in the Khasras180 and 177 held under STP is having size of around 140 x 80 x 8 mts. The fractured sandstone rocks are exposed in the pit up to the basement below a soil cover of 0.5 to 1.0 mts. The existence of splitable sandstone and block sandstone rocks though could not be confirmed in open pit, but on specific temperature and pressure conditions its devlopement at depth can not be denied . Hence if blockable or splittable sandstone intersects at depth then it should be reported by lease and accordingly measures should be taken as per prevailing rules. Sand stone rock being sedimentary bedded deposit , it is inferred that it is laterally extending in the whole area under delineation, thus it can be worked out for the same. The sandstone available in the section will be useful in building industry as khandas, cobbles and ballast can be prepared by the same.

10. Remarks: The area under delineation seems potential for sandstone occurrence for masonary purpose as it is intersected in the nearby working STP.

Se.Geologist, Kota



आवेदित खनन पटटा क्षेत्र में आने वाले क्षेत्र का विवरण | DISTANCE

S NO.	FRESEVI	2	DEMONING	(Meters)		
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2	×	A	28°00'00"	65.196	24°54'06.82319"	76°04.40.08054"
m	A	83	28"00'00"	69.804	24"54'08.68606"	76°04'41.18740"
4	8	C	117°15'00"	141,0889	24"54"10,68060"	76°04'42.37250"
5	C	O	201"00'00"	68.2475	24°54'08.54885"	76°04'46.82359"
9	0	A	296°30'00"	149,4453	149.4453 24°54'06.48454"	76°04'45.93410"

(केवल नकल के उपयोग हेत्)

Biol and GESTIM खसरा गिरदावरी (चत्वर्षीय) ग्राम प्रामा

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हस्ताबार गवाह

1. ललित किशोर पुत्र श्री जगन्नाथ उम्र 38 वर्ष जाति गूर्जर निवासी कोटा रोड सांगोद जिला कोटा (राज.)

2. सुरेश नागर पुत्र श्री किशनलाल उस्र 42 वर्ष जाति धाकड निवासी ग्राम कराहियासुर्व, तहसील सांगीय, जिला कोटा (राज.)

HURINGIL

लप पंणियक क्षनवास विस्ता कोटा

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ONE THOUSAND RUPEES

Rs.1000

राजस्थान RAJASTHAN

ैक्षि भूमि पर खनन लीज के लिए सहमति पत्र

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यह कि मैं कुष्णकान्त शर्मा पुत्र गिरिशाज प्रसाद शर्मा जाति बाहम्मण निवासी प्राम दुसरा तह, व जिला बार्च का रहने याला हूँ जो कि ईश्वर को साक्षी मानकर ^कमम्म साहमति पत्र आलेखित करता हूँ।

1. यह कि में कृष्णकान्त शर्मा पुत्र गिरिशज प्रसाद शर्मा जाति आग्लण निवासी ग्राम दूसरा वृद्धः व जिल्ला बार्या के नाम भूमि खसरा नं 126/583 के राज्या 0.81 कैक्टर, क्वीन्स बारानी सोयम राजस्व गांव पीतामपुत पटवार हरूका जातिमपुत मू, जिल्ला में निर्मक्षक क्षेत्र आयों तह. कनावास जिल्ला कोटा में स्थित है, जिल्ला में मारिल हैं लिसे, मुझे बेचान करने, सहमाति देने आदि के समस्त अधिकार मुझे प्राटा है.



2. यह कि मैं मेरी स्तेष्ठका से खारता मं 125/503 के राज्या ता है केटर, किस्स सारामी ह्रोत्रियम राज्यस्य ग्राम पीतामपुरा चटनार हरका जासिमपुरा की मूनि में के 100126 हुकेटीयर मूनि व्यतीम पित्रा की जो मुनोज व्याप्त सामी पुत्र की जगरील प्रसाद शुर्मी जाति बाहमाम निकासी सीमीद जिला क्षेत्रा को जीकाल स्वकृत 50000 — क्यार्थ खारी प्रसास हजार क्यार्थ में केशर स्थापित करने/वाननपटदा सीवृता करने/व्यानन कार्य करने के लिए मैंने एक सामूर्ण स्वकृत का का एक प्रेक, स्वकृत स्वी-74750, स्टेट केंक जीक इंग्डिया, शाला सामीद जिलाक कोटा का पति 50000 — क्यारे टिमांक 05012016 का प्राप्त कर सिया है।

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उप पंजियक क्रमणस् जिला केटा





राजस्थान RAJASTHAN

3. वह कि मैं केशर स्वाधित करने/खननवटट्टा स्वीकृत कराने/खनन कार्य करने के तिर्षे स्वीकृति/सामांति प्रधान करता हूँ। इसमें मेरे य मेरे परिवार को तमी स्वरस्थाँ की सहमाति है, तथा माविष्य में, मेरे परिवार व मेरे स्वरण कोई आराति महों वह को वानेगी। यांनि कि उत्तर मुनि के समस्त अधिकार की मनोज कुमार सर्मा पुत्र श्री-क्रानाशित प्रसाद सर्मा जाति हमारण निवासी सीगोद जिल्ला कोटा को होगे।

3. यंद्र कि मेरे व मेरे परिवार के किसी भी सदस्य द्वारा उक्त खस्तत म 125/503 के रुक्का 0.81 हैक्टर, किस्स बारानी शोयम राजस्व गांव पीतासपुत प्रद्यार हरका जातिसपुत प्रतार हरका जातिसपुत की मूर्गि में से 0.0128 हेक्टर्यर मूर्ति के संबंध में मक्षिया में किसी मी न्यायालय आदि में कोई मुक्टरमा दर्ज गांति किया जावेगा। उक्त मूर्गि केतु मेंने आज दिनांक 505.12016 शुक्कार से सम्मूर्ण अधिकार भी मनोज कुमार शर्मा पुत्र श्री करावीं हो कि साम केता हो मार साम पुत्र श्री करावार शर्मा जाति झाइम्मण निवासी सीमोद जिल्ला कोटा को दे दिये हैं। यह इस्तामुणि पर किसी भी झकार कर कार्य सम्मादित कर सकेरों।

 यह कि जनत सहमति पत्र मेरे द्वारा आलेखित करवाया गया है तथा समस्त तथ्य हमारे रब्बुझान से सही एवं सत्य है।

 यह ध्रृक्ति सहमति पत्र स्टाम्प किमती 2500/- रूपये जिसमें एक-एक हजार रूपये के दो स्क्राम्प व पांच सौ रूपये का एक स्टाम्प खुल किता 3 पर तहरीर

विध्या ग्या है।

STATEMENTS WINDS HOME WAS





श्चनन योजना तैयार करने हेतु योग्य व्यक्ति के रूप में मान्यता का प्रमामण्ड

(धनिज रियायत नियमावली 1960 के नियम 22(धी) के अंतर्गत)

श्रा हमराज व्यादया	
वल्द श्री स्त्रजमल बाँडिय	π
नेवाती 103-104, राजईस कॉम्पे	वेक्स, बेदवारोड, उरपपुर (राज•)
द्वारा अपनी योग्यताओं और अनुभव का स	तोषप्रद प्रमाण प्रस्तुत करने के फल्स्यरूप
वनिज रियायत नियमावली, 1960 के नियम	र 22(सी) के शंतर्गत उन्हें एतद्द्वारा खनन
योजना तैयार करने हेतु योग्य व्यक्ति के रू	प में मान्यता प्रदान की जाती है ।
उनका पंजीपन क्रमांक आरबसूर्वी/	यूरीपो/216/2001-स् ।
यह मान्यता दिनांफ 1	2-2011 को समान्त
होने वाली दस वर्षों की अवधि के लिए वैध	t1 .
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त्यान : उदयपुर	(आर-के-सिन्हा)
देनांक : 2 - 2 - 2001	धेनीय खान नियंत्रक
	भारतीय कान क्यूरो के वेद साथ नियमका Fashma Controller of Mines भारतीय वारत कार्य Indias Europe of Mines चरवाय



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संशोध मांन दिवासा कर्निकारिय

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Under R.M.M.C.R. 1986 (Amended 2012)

अधीक्षण खनि अधि खान एवं भू-विज्ञान ।वनाम रय वृत्त कोटा

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