(2) **Surface rent:-** The Lessee/Lessee shall pay for the surface area used by him/them for the purpose of mining surface rent equal to the land revenue payable under the Rajasthan Land Revenue Act, 1956 or any other law in force to the Land Revenue Department of State.

Provided that the lessee/ Lessees shall be liable to pay the [illegible]

Lessee/Lessee shall pay to the Government in one lump sum [illegible]

[illegible] to the Revenue Department.

(4) (a) **Dump removal charges:** The Lessee/Lessees shall pay such amount per year or part there of to the Government for ecological restoration of mines and quarries in the said area at such time and such rate as may be fixed by the Government from time to time.

(5) **To pay compensation for damage and indemnify the Government.** The Lessee/Lessees shall make and pay such reasonable satisfaction and compensation for all damage, injury or disturbance which may be done by him/them in exercise of the powers granted by the lease and shall indemnify the Government against all claims which may be made by third parties in respect of such damage, injury or disturbance.

(5) (a) To indemnify against all claims and to pay compensation for infringement of rights of third person. The lessee/Lessees shall make and pay such reasonable satisfaction and compensation as may be assessed by lawful authority in accordance with the law in force on the subject for all damage, injury or disturbance which may be done by him/them in exercise of the powers granted by this lease and shall indemnify and keep indemnified fully and completely the State Government against all claims which may be made by any person or persons in respect of any such damage, injury or disturbance and all costs and expenses in connection therewith.

(b) If in exercise of any right conferred by this lease the rights of any person are infringed by the occupation or disturbances of the surface or any land, required and quarrying in the area hereby demised and for the purposes subsidiary there to Lessee/Lessees shall pay such compensation for such infringement and the amount of such compensation shall be calculated by the Collector of if his award is not accepted, by the Civil Court, as far as possible, in accordance with the provision of the Rajasthan Land Acquisition Act, 1953 (Rajasthan Act XXIV of 1953).

(c) The lessee/Lessees shall not enter on or occupy the surface of any land without the previous sanction of the Collector unless the compensation has been determined and tendered to the persons whose rights are infringed.

उप खनिज अभियंता
बून्दी (राज०)

(4) If the Lessee/Lessees fail to pay any compensation as provided in this sub-clause, the Collector may recover such compensation from him/them on behalf of the person entitled to it as if it were an arrear of land revenue.

(5) Not to enter upon [illegible] except authorised by him.

determine as public grounds to bring within this restriction.

(9) To commence mining operations within three months and carry them on properly – The Lessee/Lessees shall commence mining operations within three months from the date of the lease to him/them and thereafter carry on such operatiQs seffectively in a proper skilful and workman like manner both as regards prevention of waste by removal of sufficient overburden careful storage of waste and drainage and as regards removal of all valuable minerals within the mine.

(10) **Accounts**: The Lessee/Lessees shall keep correct accounts showing the quantity and particulars of all minerals obtained from the mine, detail of mineral sold or despatched, and the number of persons employed therein and also complete plans of the mine and shall allow any officer of the Department at any time to examine such accounts and plans and shall furnish him with such information as may be in respect of aforesaid matter as he may require.

(11) **Abiding by Rules** - The Lessee/Lessees shall abide by all existing Acts and Rules enforced by the Government of India or a State Government and all such other Acts or rules as may be enforced from time to time in respect of working of the mine and other matters affecting safety, health and convenience of the employees of the lessee/lessees or of the public.

(12) **To allow facilities to other lessee etc.** The lessee/Lessees shall allow existing and future licensees or lease holders of any land which is comprised in or adjoins or is approachable by the land held by the lessee/lessees, reasonable facilities for access thereto.

(13) **To allow entry of officers:** The Lessee-Lessees shall allow any Officer of the Department or of the Indian Bureau of Mines to enter upon the premises comprised in the lease for the purpose of inspecting the same and abide by instructions issued by him from time to time regarding the conservation and development of minor minerals and other related matters.

(14) **Building erected by Lessee:** The Lessee/Lessees may erect on the area granted to him/them any building, required for bonafide mining purposes and such building shall be the property of the Government after expiry of the lease.

(15) **To report accident and discovery of any other mineral**: The Lessee/Lessees shall without delay report to Director, Mining Engineer, Assistant Mining Engineer or any other officer authorised by them any accident which may occur at or in the said premises and also the discovery on or within any of the lands of mines demised by the lease of any minerals whether minor or otherwise not specified in the lease.

(19) **Working of newly discovered minerals:** If the lessee/Lessees intends to work such newly discovered mineral or minerals he/they shall within three months of making such report as is mentioned in sub-clause (15) intimate his/their intention to the Officer of the Department having jurisdiction [illegible] apply for quarry licence or mining lease in respect thereof in accordance with the rules regulating the grant of mining concessions.

compensation for that area.

(20) Liberty to determine the lease: The lessee may at any time determine this lease with immediate effect by giving a notice in writing to the State Government or to such officer or authority as the State Government may specify in this behalf and shall pay all rents, Water rates, royalties compensation for damages and other moneys which may than be due and payable under these presents to less or any other person or persons and shall deliver these presents to competent authority and then this lease and the said term and the liberties, Powers and privileges hereby granted shall absolutely cease and determine but without prejudice to any right or remedy of the lesser in respect of any breach of any of the covenants or agreement contained in its presents

(19) Cancellation- The lease shall be liable to be cancelled by the Director if the Lessee/Lessees ceases to work the mine for a continuous period of six months without obtaining exemption of the Government.

(20) **Pre- emption-** The Government shall have the rights of pre-emption at current market rates over all minerals lying in or upon the lands demised by the lease and shall be indemnified be the Lessee/Lessees against claims of any other party in respect of such minerals.

(21) **Consequence of non payment of royalty or rent-** The Government shall determine the lease after serving a notice on the lessee to pay the dues within 15 days from the date of the receipt of notice and forfeit the security amount if the dead rent or royalty or dump removal charges are not paid within 15 days next after the date fixed in these presents. The Government shall have the right at any time after serving the above notice to enter upon the said lands and to distain all or any of the minerals or movable property therein and shall carry away, detain or order the sale of property so distained or so much of it as will suffice for satisfaction of the rent or royalty of dump removal charges and all costs and expenses occasioned by the non-payment thereof. These rights shall be without prejudice to the right of the Government to realize all its dues, under the Rajasthan Public Demand Recovery Act. 1952 (Rajasthan Act V of 1952) or Rajasthan Land Revenue Act. 1956 (Rajasthan Act No.15 of 1956).

(22) **Consequence of breach of other covenants-** In case of any breach on the part of Lessee/Lessees of any covenant or condition contained in the lease whether contained in this clause or any other clause of this lease, the Government may determine

उप पंजीयक
कुचेरा (राज०)

the lease and forfeit the security amount and take possession of the said premises or in the alternative may impose a fine not exceeding twice the amount of the annual dead rent from the Lessee/Lessees. Such action shall not be taken unless the Lessee/Lessees has/have failed to remedy the breach after 15days notice.

8. Further covenants of the lessee:- The Lessee/Lessees hereby Covenants/Covenant with the Government as follows:-

(1) Unless specifically exempted by the State Government, the Lessee/Lessees shall provide and at all time keep at or near the pit- head at which the said minerals shall be brought to bank a properly constructed and efficient weighing machine and shall weigh or cause to be weighed thereon all the said minerals from time to time brought to bank, sold, exported and also the converted products, and shall at the close of each day cause the total weights of the said minerals, ores and products raised, sold, exported and converted during the previous twenty four hours to be ascertained and entered in the aforesaid books of accounts. The Lessee/Lessees shall permit the Government at all time during the said term to employ any person or persons to be present at the weighing of the said minerals or ores and to keep accounts thereof and to check the accounts kept by the Lessee/Lessees. The Lessee/Lessees shall give 15 days previous notice in writing to the Mining Engineer/Assistant Mining engineer of every such measuring or weighing in order that he or some officer on his behalf may be present thereat.

(2) To allow test to weighing machine:- The Lessee/Lessees shall allow any person or persons appointed in that behalf by the Government at any time or all times during the said term to examine and test every weighing machine to be provided and kept as aforesaid and the weights used therewith in order to ascertain whether the same respectively are correct and in good repair and order and If up on any such examination or testing any such weighing machine or weight shall-be found incorrect or out or repair or order, the Government may require that the same be adjusted, repaired and put in order by and at the expenses of the Lessee/Lessees within fourteen days failing which the Government may cause such weighing machine or weight to be adjusted, repaired and put in order and the expense of so doing shall be paid by the Lessee/Lessees to the Government on demand, and if upon any such examination of testing as aforesaid any error shall be discovered in any weighing machine or weights to the prejudice of the Government, such error shall be regarded as having existed for three calendar months previous to the discovery thereof or inform the last occasion of so examining and testing the same weighing machine and weights, in case such occasion

shall be within such period of three months and the said rent and royalty shall be paid and accounted for accordingly.

of the Lessee of a part or parts of the said lands under the provision contained in sub-clause (14) of clause 4 of this lease becomes effective, there remain in or upon the said land of the surrendered part or parts thereof as the case may be, any engines, machinery, plants, structures, tramways, railways and other work erections and conveniences or other property which are not required by the Lessee/Lessees in connection with his/their operations in those parts of the said lands they shall become the property of the Government and may be sold or disposed of in such manner after a period of six months from the date of expiration or earlier determination of the lease the Government may deem fit without liability to pay any compensation.

(5) **Exemption of royalty for tenants:-** No royalty shall be charged on minor minerals required by the tenant for any bonafide purposes as specified in rule 58 of the rules.

(6) **Further covenants of the lessee:-** The Lessee/Lessees further covenants/covenant with the Government as follows:-

(1) **Interest:-** The Lessee/Lessees shall pay to the Government simple interest at the rate of [20%] per annum on all amounts outstanding against the Lessee/Lessees under this lease, whether as dead rent, royalty, surface rent or otherwise.

(2) **Keeping mines etc. in good order:-** The Lessee/Lessees shall keep throughout the terms of his/their lease all mines, building, engines, machinery and other mining plants in good repair and working order.

(3) **Taking ballast etc. for leased area only:-** The Lessee/Lessees shall take out and use ballast, Khandas and rubbles from his/their quarries for his/their bonafide use in the leased area only and shall pay royalty for minerals so used.

(4) **Delivery of samples of rocks etc.** The Lessee/Lessees shall deliver to or permit to be taken by the representative of the Government

a sample or samples of all rocks found on mines or raised and all intermediate and finished products said or intended for sale by the Lessee/Lessees.

(9) The Lessee/Lessees shall abstain from opening any new quarry or depot in the leased area without the previous sanction of the Mining Engineer, Assistant Mining Engineer concerned.

(8) **Not to obstruct road etc:-** The Lessee/Lessees shall keep open and in no way obstruct any road path or way by any means whatsoever.

(10) **To allow free use oftanks, water courses etc,** to the public and Government. The Lessee/Lessees shall abstain from all interference with and allow to the public and the Government the free use of tanks, water courses, places of worship, scared graves, burial grounds and village sites for houses which may be existing or may hereafter be set apart or appropriated as herein before provided on the leased area.

(11) **Not to use land for other purposes:-** The Lessee/Lessees shall not cultivate or use the land save for the purposes of the lease.

(12) **Not to enter upon or commence operations in Forest Land etc.:-** The Lessee/Lessees shall not enter upon or commence any mining operations

उप खनिज
बूंदी (राज०)

in " any [illegible] forest or land under special protection comprised in the leased area except after previously obtaining permission in writing of the competent officer.

[illegible]

[illegible] adjoining lands, villages or houses.

[illegible]

... a duly accredited Superintendent or Agent to whom all notices may be given and all communications from the Officers of the Department or the Government may be delivered. If there be No such agent or Superintendent on the leased area, the Government shall be at liberty to treat any other person present there as such agent and to serve all notices and other documents upon the said person or in the case of there being no such other person as aforesaid, then by affixing such notice or documents on some conspicuous portion of the mining block.

(16) **Supply of stones to the Public:-** The Lessee/Lessees shall not unless prevented by reasonable cause e.g. collapse of the quarry etc. to the satisfaction of the Government, fail or neglect or delay to supply [illegible] to the public at pit mouth within reasonable period of 15 दिवस. To be [illegible] in the event of unsatisfactory supply by the Lessee/Lessees to local public the [illegible] with the approval of the Director, may allow the consumers to quarry/extract with their own arrangement in the leased area outside the existing quarries or depots and the Lessee/Lessees will not be entitled to any royalty on this account but the same will be payable to the Government. This quantity will not be taken into account if the maximum quantity of [illegible] mentioned in द्वितीय परिशिष्ट के अनुसार

(17) Employment of qualified Engineer etc. for the purposes of carrying out mining operations in accordance with approved practices:-

(i) Every holder of mining lease who pays an annual dead rent of or above Rs.50000/- (Rupees fifty thousand) but below Rs.100000/-(Rs.one lac) shall employ a whole time Mines Foreman.

(ii) Every holder of mining lease who pays annual dead rent of or above Rs.100000/- (Rupees one lac) shall employ a whole time Mining Engineer. Provided that Mining Engineer of Mines Foreman, employed by the lessee shall possess the following qualifications namely:-

(a) **Mining Engineer:-** A diploma in Mining Engineering from the Indian School of Mines and Applied Geology, Dhanbad or a degree in Mining Engineering from any recognized University.

(b) **Mines Foreman:-** Diploma in Mining Engineering from any recognized Polytechnic institute.

Provided further that the lessee shall pay to the Mining Engineer Mines Foreman

(3) Without prejudice to any other mode of recovery under any provision of this lease or any law, all amounts falling due hereunder against the Lessee/Lessees may be recovered as arrears of land revenue under the law in force for such recovery.

(4) The Lessee/Lessees shall duly and regularly pay to the competent authority all taxes, cesses and local dues in respect of the leased area, said minerals or the working of the mines.

8. If in any event the orders of competent authority are revised or annulled by the Appellate Authority or by State Government in pursuance of the proceedings under Chapter VI of the Rajasthan Minor Mineral Concession Rules, 1986 or under any other provisions of the said rules, the Lessee/Lessees shall not be entitled to compensation for any loss sustained by him/them in exercise of the powers and privileges conferred upon him/them by these presents.

9. If in any event the orders of the Government or any other officer empowered under these rules are revised, reviewed or cancelled by the Appellate Authority or Court of law, the Lessee/Lessees shall not be entitled to compensation for any loss sustained by the Lessee/Lessees in exercise of the powers and privileges conferred upon him/them by these presents.

10. In the event of the existence of a state of war or of emergency (of which existence the Government shall be sole judge and a notification to this effect in the Rajasthan Gazette shall be conclusive proof), the Government shall from time to time and all times, during the said terms have the right (to be exercised by a notice in writing to the Lessee/Lessees) forthwith to take possession and control of the works, plant, machinery and premises of the Lessee/Lessees situated on the said lands or meant for use in connection with the said lands or the operations under this lease, during such possession or control and the Lessee/Lessees shall confirm to and obey all direction given by or on behalf of the Government regarding the use or employment of such works, plants, premises and minerals.

Provided that fair compensation which shall be determine in default of agreement by the Government shall be paid to the Lessee/Lessees for all loss or

damages sustained by him/them by reason or in consequence of the exercise of powers conferred this clause.

Provided also that the exercise of such powers shall not determine the said term hereby granted but the terms and provisions of these presents further than may be necessary to give effect to the

12. Interpretation:- In this lease unless the context otherwise requires

(a) 'Department' means the Department of Mines & Geology, Rajasthan.

(b) 'Director' means the Director of the Mines & Geology, Rajasthan for the time being and includes any officer lawfully authorized by him to perform any of his functions.

(c) 'Government' includes an officer of the Government to whom any powers of the Government have been for the time being lawfully delegated.

13. Renewal of Mining leases falling in Forest areas :- The state Government may renew the mining leases falling in Forest areas subject to the filling condition :-

1- The lessee will submit a map showing the existing pits with in the lease boundary as also the extent to which the area has been cleared of forest by him.

2- The lessee will also submit an affidavit as also certificate from the competent Authority either of forest , Revenue or the Mines Department to the effect that the area deforested as stated in the affidavit and shown in the map is correct .

SPECIAL CONDITION :-

(A) The lessee shall keep its working restricted to the area already worked and cleared of forest till the requisite permission from the central Government under the provision of the forest conservation Act 1980 is received for working additional area within the lease hold. Mean while lessee will be liable to pay deadrent for the whole of the lease area.

(B) The lessee shall restor the worked out area of the lease hold to the satisfaction of the Director of Mines and Geology and shall grow such trees and plantation and in such number over the land so restored as May be decided by the Director of Mines and Geology.

The lease will be liable to be determined if the lessee violates condition

IN WITNESS WHEREOF this indenture has been signed by the Lessee/Lessees

Witness (1)

(2)

By order and on behalf of the Governor of Rajasthan

(Designation)

(Plan with boundary marks of demarcation report to be annexed)

खनन योजना तैयार करने हेतु योग्य व्यक्ति के रुप में मान्यता का प्रमाणपत्र

(खनिज रियायत नियमावली, 1960 के नियम 22(सी) के अंतर्गत)

श्री .....चन्द्र सिंह कोठारी.....

वल्द श्री भंवर लाल कोठारी.....

निवासी .....उदयपुर (राज.).....

द्वारा अपनी योग्यताओं और अनुभव का संतोषप्रद प्रमाण प्रस्तुत करने के फलस्वरुप खनिज रियायत नियमावली, 1960 के नियम 22(सी) के अंतर्गत उन्हें एतद्द्वारा खनन योजना तैयार करने हेतु योग्य व्यक्ति के रुप में मान्यता प्रदान की जाती है.

उनका पंजीयन कमांक आर.क्यू.पी./यू.डी.पी./239/2002/ए है.

यह मान्यता दिनांक 11/12/2012 को समाप्त होने वाली दस वर्षों की अवधि के लिये वैध है.

स्थान : उदयपुर
दिनांक : 12/12/2002

(आर.के.सिन्हा)
क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो

क्षेत्रीय खान नियन्त्रक
Regional Controller of Mines
भारतीय खान ब्यूरो
Indian Bureau of Mines
उदयपुर
UDAIPUR

दिनांक 11-12-2012 तक नवीनीकृत
Renewed up to 11-12-2016...

क्षेत्रीय खान नियन्त्रक
Regional Controller of Mines
भारतीय खान ब्यूरो

This Mining Plan With Progressive Mine Colsure Plan/Simplified Mining Scheme has been approved vide [illegible] STA/KOTA/ ...../MP/13-14/9567 dated 23.9.13 Under R.M.M.C.R. 1960 (Amended 2012)

अधीक्षण खनि अभियन्ता
खान एवं भू-विज्ञान विभाग
कोटा कृत कोटा

Government of Rajasthan

Office of The Suptdg. Mining Engineer, Kota Circle, Kota

S.No. SME/Kota/CC-II/MP/2013/ 9567 Dated: 27.9.13

Sh. Mohammed Arif
S/o Sh. Munna Khan
R/o 3-Cha-2 Vigyan Nagar, Kota (Raj.)

Sub :- Approval of Mining Plan with progressive mine closure plan of M.L. No. 217/07 for an area of 1.0890 Hect., mineral Sand Stone near Village Parana Teh.& Dist. Bundi State Rajasthan submitted as per MMCR' 1986, its chapter IV A and amended Notifications for time to time.

Ref. :- Your RQP/RP letter dated 27.09.2013

Dear Sir ,

In exercise of the power, conferred by Government of Rajasthan SO 378 rule 42 RMMCR 1986 with amended rules in chapter IV. I here by approve the above said Mining Plan including Progressive mine Closure plan. This approval is subject to the following conditions.

1– (i)This Mining Plan including Progressive mine Closure plan is approved without prejudice to any other laws applicable to the mine/area from time to time weather made by Central Government, State Government or any other authority.

(ii) It is clarified that the approval of the aforesaid Mining Plan including Progressive mine Closure 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 Mining Plan including Progressive mine Closure 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.

Conti.....2

(iv)The Mining Plan including Progressive mine Closure 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 Mines Act. In the content of the Mining Plan including Progressive mine Closure 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 including Progressive mine Closure plan to the requisite concerning offices.

3- Mining Activities out side lease area, If any shall not be considered as Approved through this Mining Plan including Progressive mine Closure plan. The Mining Engineer, Bundi-II will check the correctness of the pillars and working out side the lease area, If any take serious action as per laws.

4- 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 follows the provisions of Environment Management Plan.

6- Two copies of the approved Mining Plan with progressive mine closure plan are being sent to your RQP as advised in consent letter.

Suptdg. Mining Engineer,
Kota Circle , Kota

S.No. SME/Kota/CC-II/MP/13/ Dated:

Copy forwarded for information to:-

1- Mining Engineer, Mines & Geology Deptt., Bundi-II
2- R.Q.P Sh. Nimish Singhwi R/o 15, New Glass Factory Colony Sunderwas, Udaipur (Raj.)

Suptdg. Mining Engineer,
Kota Circle , Kota

MINING PLAN

With progressive mine closure plan

(Submitted under Rule 37G (1) and Rule 37 E (vi) of R.M.M.C.R., 1986 (Amended 2012))

M. L. NO. – 217/2007
MINERAL – SAND STONE
AREA - 1.0890HECTARE
NEAR VILLAGE – PARANA,
TEHSIL- BUNDI
DISTRICT- BUNDI
(RAJASTHAN)

IN FAVOUR OF
SHRI MOHAMMED
S/o Shri Munna Kha
R/o- 3-Cha-2, Vigyan Nagar,

This Mining Plan With Progressive Mine Colsure Plan/Simplified Mining Scheme has been approved wide order No SME/KOTA/ /MP/13-14/2567 dt. 30/9/13 Under R.M.M.C.R. 1986 (Amended 2012).

PREPARED BY
Chandra Singh Kothari, *Geologist & RQP*
Reg. No. RQP/UDP/239/2002-A; Renewed up to 11/12/2014
15, New Glass Factory Colony, Sunderwas, Udaipur (R
Phone no. 0294-2492060 (o) Mobile No.: 94141-10360
Email: - nimesh.singhwi@gmail.com

सहायक खनि अभियन्ता
खान एवं भू-विज्ञान विभाग
कोटा डूंगरपुर

Chandra Singh Kothari, *Geologist & RQP*
Reg. No. RQP/UDP/239/2002-A;
Renewed up to 11/12/2014
15, New Glass Factory Colony,
Sunderwas, Udaipur (Raj.)
Phone no. 0294-2492060 (o) Mobile No.: 94141-10360
Email: - nimesh.singhwi@gmail.com

CERTIFICATE

This is to certify that provisions of Rule 37G (1) & 37E (vi) of R.M.M.C.R., 1986 (Amended 2012) have observed in this Mining Plan with progressive mine closure plan of Sand Stone Mine M. L. No. -217/2007 Lease area of 1.0890 Hect. Near village - Parana, Tehsil & District - Bundi, of Rajasthan state, of lessee **Shri Mohammed Arif** S/o Shri Munna Khan R/o- 3-Cha-2, Vigyan Nagar, Kota (Raj) wherever the specific permissions are required the lessee will approach the concerned authorities of Directorate of Mines & Geology for granting the permission.

Date:
Place: Udaipur

Chandra Singh Kothari,
Reg. No. RQP/UDP/239/2002-A;
Renewed up to 11/12/2014

This is to certify that the provision of Mines Act, Rules and Regulations made there under have been observed in the Mining Plan 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.

Date:
Place: Udaipur

Chandra Singh Kothari,
Reg. No. RQP/UDP/239/2002-A;
Renewed up to 11/12/2014

AUTHORISATION

I hereby authorize **Sh. Chandra Singh Kothari**, Geologist & RQP to prepare the Mining Plan with progressive mine closure plan for the Sand Stone Mine of 1.0890 Hect., N/V-Parana, Tehsil & District – Bundi.

I also authorize Sh. Chandra Singh Kothari, Geologist & RQP for a modification in this Mining Plan with progressive mine closure plan and to correspond with the Department of Mines and Geology in this regard till final approval.

Mohammed Arif

M. L. No. – 217/2007

DECLARATION

The Provisions of Mines Act, Rules and Regulations Made there under have been observed in the Mining Plan with progressive mine closure plan of Sand Stone Mine (M.L. No. 217/2007) of **Shri Mohammed Arif** S/o Shri Munna Khan R/o- 3-Cha-2, Vigyan Nagar, 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.

Mohammed Arif

M. L. No. – 217/2007

CONTENTS

PLATES

S. No.	Particular	Scale	Plate
1.	Key cum Location Plan, and Land Use Pattern	1:50000	1
2.	Route Plan	--	2
3.	Surface Plan	1:1000	3
4.	Surface Geological Plan & Sections	1:1000	4
5.	Mine Layout Plan	1:1000	5
6.	Proposed Five Year Development Plan and Sections	1:1000	6A-6E
7.	Environment Plan	1:5000	7
8.	Progressive Closure Plan	1:1000	8
9.	Conceptual Closure Plan	1:1000	9

S. No.	Annexure	Annexure No.
1.	Applied Map	1
2.	Demarcation report & Pre demarcation report	2
3.	Khasra Map & Jamabandi	3
4.	Lease deed copy	4
5.	RQP Certificate	5

INTRODUCTION

The Mining plan with progressive mine closure plan for sand stone Mine (M. L. 217/2007) near village – Parana, Tehsil - Bundi, District – Bundi (Raj.) has been prepared on the consent of the owner of the lease **Shri Mohammed Arif** S/o Shri Munna Khan R/o- 3-Cha-2, Vigyan Nagar, Kota (Raj) for fulfillment of Rule 37G (1) & 37E (vi) of R.M.M.C.R., 1986 (Amended 2012).

The mining lease for an area 1.0890 hect. was granted in favour of **Shri Mohammed Arif** S/o Shri Munna Khan R/o- 3-Cha-2, Vigyan Nagar, Kota (Raj) vide order no. Kha A/Bundi-II/CC-III/ ML-217/20074101on dated 27/05/2008. The lease deed was executed on 23/10/2008 and lease deed was registered on dated 06/01/2009 for 20 years.

The lessee is capable of deploying machinery and technical staff at the mine for proper mining of sand stone mine.

Chapter 1:

General Information about Lessee/Licensee

(a) Name and Address of the lessee/licencee

Shri Mohammed Arif,

S/o Shri Munna Khan

R/o- 3-Cha-2,

Vigyan Nagar, Kota (Raj)

Phone No. – Not available

Email - Not available

(b) Status of the lessee/licencee – An Individual

(c) Name and Address of the Recognized Person

Chandra Singh Kothari, *Geologist & RQP*

Reg. No. RQP/UDP/239/2002-A;

Renewed up to 11/12/2014

15, New Glass Factory Colony,

Sunderwas, Udaipur (Raj.)

Phone no. 0294-2492060 (o) Mobile No.: 94141-10360

Email: - nimesh.singhvi@gmail.com

Chapter 2:

Details of the mining lease

(a) **M. L. no. =**

M. L. no. 217/2007, N/v Parana, Tehsil - Bundi Dist. - Bundi (Raj)

(b) **Name of Minerals**

Sand Stone

Description report of the mining lease with plan (enclosed copy of sanction order/lease deed/licence

Description report of the area:-

From	To	Bearing	Distance
A	B	$308^0 00'$	121 m
B	C	$38^0 00'$	90 m
C	D	$128^0 00'$	121 m
D	A	$218^0 00''$	90 m

FRP: - 'D' Pillar of M.L. No. 123/04 area of Shri Ram is taken as pillar 'A'.

(c) Key plan of the area

The lease has been shown in Plate No. 1 of the Mining Plan. The area falls in G.T. sheet No. 45 O/8. (Key Plan- Enclosed, Plate no. 1)

(d) Location map of the mining lease showing the details of the approach roads up to the mine.

The lease area falls southwest of village Parana at about 0.8Km. The village Parana falls in the Tehsil & District – Bundi (Raj.) which is connected to tar road is about 51.00Km. (Route map- Enclosed, Plate no. 2)

(e) Details of the mining lease

Near Village	Tehsil	Dist. & State	Khasra No.	Status of land	Area in Hect.	Period
Parana	Bundi	Bundi Rajasthan	138, 139	Pvt. land	1.0890	20 Years

* As Superimposed Khasara map provided by lessee

(g) Superimposed map of sanctioned area on revenue map, duly attested by concerned Patwari – (Annexure - 3)

(h) Infrastructure

Nearest Railway - The nearest railway station is at Bundi.

Police station - The nearest is at Dabi.

Post Office - The nearest Post & Telegraph Office is at Dabi.

Medical Facilities - Nearest Dispensary is at village Dabi.

Education Facility up to primary school facility is available at Parana Village and Senior Secondary school facility at Dabi.

Availability of water - The Ground water table is 40m (in rainy season) to 45 m (in Dry Season). The drinking water can be brought from the wells at a distance of 500m.

Electricity - The Electric Line passes out side to the M.L. area. The electric facility is not available at mining site Area.

Climate The climate in the area is dry with extreme temperature variation. The Temperature varies 43^0 to 46^0 C in summer and 2^0 to 5^0 C in winter. The avg. Rainfall is 600 mm Most of the rain falls during the period of July to September.

Mode of Transport of Mineral – Trucks

River/canal/pound – No river/canal/pound was found in the area.

Chapter 3: GEOLOGY AND EXPLORATION

The fieldwork comprising of topographical survey and geological mapping and data collection was done in different phases. The contouring for the Mining Lease was undertaken. There is pit exist in the area.

(a) Physiography & Drainage - The Mining Lease is situated of Village Parana of Tehsil - Bundi, District- Bundi. Topographically the area comprises flat land. For the survey is considered 480 as Benchmark near pillar 'D'. There is forestland in and around this M.L. area. The general drainage of the area is NE.

(b) Regional Geology

Geologically the district consists of diverse rock types belonging to oldest arche an me tamarphics of bhilwara super- group and middle to upper proterozoic sedimentaries of vindhyam supergroup. NE-SW part of the district is exposed by the rock types belonging to bhilwara super group and in remaining part, rock types of vindhyam super group exist. Modified and generalised lithographic sequence after G.S.I. (2000) is given below-

Lithostratigraphic sequence of Bundi District :

Supergroup	Group	Formation/Lithology
Recent to subrecent –		Soil/ Alluvium
	Bhander	Dholpuer (Upper hander)shale.
		Balwan(Upper Bhander) limestone
		Maihar(Upper Bhander) Sandstone
VINDHYAM SUPERGROUP		Sirbu shale with siltsone. Sandstone, grit and stromatolitic limestone
		Lower Bhander (Bundi hill) Sandstone with lower shale, middle sandstone, Upper shale, Upper sandstone
		Samaria shale
		Lower Bhander (Lakheri) Limestone
		Ganurgarh shale
	Rewa	Govindgarh (Upper Rewa) Sandstone
		Jhiri shale
		Indergarh (Lower Rewa) Sandstone

	Kaimur	Panna shale Akoda Mahadev (kaimur) sandstone Badanpur conglomerate
		Granite and Dolerite
Bhilwara super group (2500 Years)		Bhadesar shale, slate
	Hindoli group	phylite/Quartzite/Dolomitic limestone

The rocks of Hindoli group of Bhilwara Supergroup has occuried NE-NW part of the district and extends from village Hindoli and khinya in the west to the village babi in east. Insrusives like granite & dolerites are exposed near village Basni, Deva ka khera & Odhnda of Hindoli tehsill of Bundi district. General trend of rocks is N 40^0 E with 60^0 NW dip.

Vindhyan sedimentary sequences have occupied north eastern to southern part of the district. These are grouped as upper Vindhyan Supergroup and separated from Bhilwara Supergroup by a major revenue fault known as great boundary fault.

All the three kaimur, Rewa & Bhander Group with their formation & member are well exposed in the area.

Rocks of kaimur Group occur as outlier on the NW of Great Boundary fault in between Bundi-Indergarh area.

Rewa Group compries panna shales, Indergarh(Lower Rewa) sandstone, Jhiri shale and Govindgarh (Upper Rewa) sandstone formation. Panna shale & Indergarh sandstone are exposed SW of Indergarh extending upto 5 kms. Jhiri shales & Govindgarh sandstone are persistent and both occur together in between taragarh fort of Bundi and Indergarh for about 72 kms.

Lakheri Limestone of Bhander group occurs in between greenish grey sacaria shale above and reddish brown Ganurgarh shale below and marked by intraformational conglomertate & breccia at the base and extends intermittently for about 80 kms. In 1-2 kms. Wide belt upto Indergarh. Samaria shale is overlain by Bundi hill sandstone. Bundi hill sandstone onatitute the Bundi hill and mostly in the southern part of district. The Sirbu shale is conformably underlain by the Bundi hill sandstone and overlain by Maiher sandstone

ourring in eastern, southern and western part of the district. The limestone of Sirbu shale is generally confined in lower & middle part of the birbru shale. The limestone in lower part the siliceous & dolomitic in nature, where as upper limestone is stärmolitic and siliceous grade. Maihar sandstone occurs only in hill on the east of lakheri. Balwan limestone occurs conformably above the Maihar sandstone and is exposed near kamaleshwar mahadev & also in chakam river section. Its lower part is greyish ferruginous, arenaceous & cherty in nature where as upper horizon is pinkish & stromatolitic in nature. Dholpur shale conformably overlies the Balwan limestones & exposed near Daulatpura, Narayanpura & sandelnala. It is pinkish, purple reddish & brown in colour, thinly bedded & horizontal. Quaternary sediment representing scree, talus, aeolian & alluvium. Alluvium is occupying the large part of the district where cost of the part is under cultivations.

Mineral Resources:

The most important mineral resources of Bundi district are limestone and sandstone. The limestone deposits provide on of the oldest cement plant of state at Lakheri. However most of the deposits are marginal cement grade and also fall in forest. Other minerals include silica asan, iron ore, clay, barites, red ochres, marble, granite, slate stone etc.

Detail is given below:

Local Geology

The local geological succession for the area may be summarized as below:-

Recent	Group	Formation	Lithology
Vindhyan Supergroup	Bhander Group	Lower Bhander Sand stone formation	Upper sandstone
			upper shale
			Middle sandstone
			Lower shale
			Lower sandstone

(d) Lithology

The soil cover/soil in the area is varying in thickness from 0.5m (479.5-480mRL) observed at places over the sand stone in the area. The fractured sandstone layer varies in thickness upto 3.5m (476-479.5mRL).

(e) Method of Estimation of Reserves Method adopted

Reserve estimation in small-scale non-metallic mineral area is a great task which cannot be very definitive and exhaustive but it is only on the basis for paucity of prospecting and exploration data. Generally exploration, development and exploitation are carried out

simultaneously and therefore requisite data for reserve estimation are seldom adequately available. The reserves of mineral have been estimated by plan area method and the basis of the outcrops findings in the area, structural behaviors & the control of mineralization the physical limits such as strike length, width & depth extension etc.. The estimated reserves have been classified into proved, probable & possible category on the basis of present exploration for the purpose of reserve calculation. The plan area has been calculated from the surface geological plan, this is multiplied by thickness of mineral and then by the bulk density.

Parameters of estimation of geological reserve and their category:

The following Parameters have been considered while estimating the geological reserves (in situ):

1. Average 0.5m (479.5-480mRL) cover has been considered as soil and 3.5m (476-479.5mRL) cover has been considered as fractured Sandstone. Recovery of fractured Sandstone 1% to 10% (Cobbles/small pieces of sand stone) now we are considering as 5% recovery of fractured sand stone for the next five year planning.

2. Average 2m (476-474mRL) cover has been considered as salable sandstone in proved category. Recovery of saleable Sandstone 20% to 50%, now we are considering as 25% (476-475mRL) and 50% (475-474mRL) recovery of saleable sand stone for the next five year planning. The recovery is a assumed it may be changed due any reason cannot considered for any kind of Assessment.

Proved Reserve:

It is assumed as per the present mining scenario:

(i) Based on the prior experience the recovery factor is considered as 25% (476-475mRL) and 50% (475-474mRL).

(ii) The depth of Proved mineral is taken up to 474 m R.L. from surface as 2 m average depth.

Proved Table Reserve

Mineralized zone Area (m^2)	*Depth (m)*	*Mineral Vol. (m^3)*	*Bulk Den. MT/m^3*	*Mineral (tones)*	*Recovery of mineral Bench wise*	*Rec. Mineral (tones)*	*Sub Grade 5%*	*Waste*
9717	2.5	24292.5	2.7	65590	5%	3280	3280	59030
9717	1	9717	2.7	26236	25%	6559	1312	18365
9717	1	9717	2.7	26236	50%	13118	1312	11806
Total				**118062**	----	**22957**	**5904**	**89201**

Probable Reserve

It is assumed as per the present mining scenario.

(i) The depth of Probable mineral is taken further 1m below the proved Mineral zone.

(ii) Based on the prior experience the recovery factor is considered as 50%.

Probable Table Reserve

Mineralized zone Area (m^2)	*Depth (m)*	*Mineral Vol. (m^3)*	*Bulk Den. MT/m^3*	*Mineral (tones)*	*Rec. Mineral (tones) 50%*	*Sub Grade 5%*	*Waste*
9717	1	9717	2.7	26236	13118	1312	11806
Total				**26236**	**13118**	**1312**	**11806**

Total Reserve

Nature of Reserve	*UNFC*	*Recovery Mineral 50% (tones)*	*Sub Grade 5%*	*Waste 45% (tones)*
Proved	111	22957	5904	89201
Probable	121	13118	1312	11806
Possible	333	--	--	--
Total		**36075**	**7216**	**101007**

2. Mineable Proved Mineral = Proved Mineral – Mining Losses & Mineral Block in benches (10%)

= 22957 - 2295.7

= 20661.3 MT

3. Mineable Probable Mineral = Probable Mineral – Mining Losses & Mineral Block in benches (10%)

= 13118-1311.8

= 11806.2 MT

Anticipated Life of Mine

As per demand average production of 6634.7 MT of mineral per annum is considered. For this.

Anticipated Life = Mine able (Proved + Probable) Reserve/ Avg. Annual Production

= 32467.5/6634.7 = 5 Years.

The Life of mine may change depend upon the Market demand, rate of production and the extent of mechanization.

Chapter 4:
Details of production and dispatch of last five year

Not Available.

Chapter 5: Physical & Geological characteristics of the deposit

NATURE OF WALL ROCKS

In the area splitable sandstone is found interbedded with massive sandstone & Shale partings.

Effect of Weathering

The talus located in the area is due to weathering. The sun cracks and shrinkage cracks are also due to weathering effects.

PHYSICAL CHARACTERISTICS

The grain size of Sandstone is fine grained. The Samalia/ Aenia shale is overlain by the Lower Bhander (Bundi Hill/Tilasava) Sandstone horizons separated by two shale beds as lower & upper. The lower most shale is generally pinkish-red, reddish brown in colour and thinly bedded whereas upper shale is pale and khaki in colour. The shale is pale, grey, brownish and khaki in colour.

Chapter 6: Details of mining machinery deployed or to be deployed and their details specification

Details of mining machinery to be deployed

S. no.	Type	Nos.	Bucket Capacity in Cu. M.	Make	Motive Power	H.P.
1.	Dumper	8	10 tonner	Tata	Diesel	119HP
2.	Diesel Pump	1		Local	Diesel	--
3.	Compressor	2	75 CFM	Local	Diesel	--
4.	Jack Hammer	4	32mm	Local	---	--
5.	Excavator	2	1 m^3	Local	Diesel	--

* Overburden shall be removed on contractual basis. The men & Machineries for the overburden removal shall be on contract basis as when required. Required more m/c shall be taken on rent basis to achieve the production.

Chapter 7: Method of Mining

The mining shall be started from the existing pit. The direction of advance shall be in all direction as shown in the Plate no. 6A-6E. Topsoil shall be removed initially & stack separately.

The Bench Parameters shall be for mineral
1. Height – 0.5m-3m
2. Width - More than 0.5m-3m

The Bench Parameters shall be for O/B/Fracture
1. Height – 1m-3m
2. Width - More than 1m-3m

Gradient of the Haul Road: - 1 in 16 (ramps)

(a) Prop. Year wise Development for Five Years –

The Mining shall be started from the existing pit, south side & near pillar A of the lease area. The mineral shall be collected in the mineral stack yard and then sorted over manually before its final dispatch to various industries through trucks. The waste generated shall be carried through dumpers to the dump yard. Overburden shall be removed on contractual basis. The Bench height shall 1-3m & bench width shall be more than the bench height.

First Year – During the first year of mining Plan the lessee will excavate two benches of splitable sand stone shall be prepared (RL 475-473, 473.5-473). About 11056.5 MT of material shall be excavated. This will include 5528.5 MT of recoverable mineral & 4975 MT mineral wastes and 553MT subgrade generated.

Bench wise non splitable and splitable sand stone excavation

At Section	*Bench at R.L.*	*Length X Width (m^2)*	*Depth (m)*	*Total Excavation m^3*	*Sp. Gr. MT/ m^3*	*Total Excavation (in MT)*	*Rec. of sand stone MT 50%*	*Sub Grade In MT 5%*	*Waste generated in the total excavation MT 45%*
PP'-QQ'-RR'	475-473	1775	2	3550	2.7	9585	4792.5	479	4313.5
PP'-QQ'-RR'	473.5-473	1090	0.5	545	2.7	1471.5	736	74	661.5
TOTAL						**11056.5**	**5528.5**	**553**	**4975**

Second Year - During the Second year of mining Plan the lessee will excavate one non-splitable sandstone (RL 479.5-477) and two benches of splitable sand stone shall be prepared (RL 476-475, 475-473). About 26851.5MT of material shall be excavated. This will include 6281MT of recoverable mineral & 19228MT mineral wastes and 1342.5MT subgrade generated. The second year overburden shall be excavated shall be back filled in the pit exhausted during first year mining.

Bench wise overburden excavation along section

At Section	*Bench No./ mRL*	*Plan area in m^2*	*Depth in m.*	*Volume in m^3*	*Overburden excavation in tones*
PP'-QQ'	479.5-ABOVE	2006	0.5	1003	2708
PP'-QQ'	477-476	1792	1	1792	4838
	Total			**2795**	**7546**

Bench wise non splitable and splitable sand stone excavation

At Section	*Bench at R.L.*	*Length X Width (m^2)*	*Depth (m)*	*Total Excavation m^3*	*Sp. Gr. MT/ m^3*	*Total Excavation (in MT)*	*Rec. of sand stone*	*Rec. of sand stone MT*	*Sub Grade In MT 5%*	*Waste generated in the total excavation MT 45%*
PP'-QQ'	479.5-477	1970	2.5	4925	2.7	13297.5	5%	665	665	11967.5
PP'-QQ'	476-475	1720	1	1720	2.7	4644	25%	1161	232	3251
PP'-QQ'	475-473	1650	2	3300	2.7	8910	50%	4455	445.5	4009.5
TOTAL						**26851.5**		**6281**	**1342.5**	**19228**

Third Year - During the third year of mining Plan the lessee will excavate one non-splitable sandstone (RL 479.5-477) and two benches of splitable sand stone shall be prepared (RL 476-475, 475-473). About 25569MT of material shall be excavated. This will include 6460MT of recoverable mineral & 17830.5 MT mineral wastes and 1278.5MT subgrade generated. The third year overburden shall be excavated shall be back filled in the pit exhausted during first & second year mining.

Bench wise overburden excavation along section

At Section	*Bench No./ mRL*	*Plan area in m^2*	*Depth in m.*	*Volume in m^3*	*Overburden excavation in tones*
PP'	479.5-above	1688	0.5	844	2279
PP'	477-476	1695	1	1695	4577
	Total			**2539**	**6856**

Bench wise non splitable and splitable sand stone excavation

At Section	*Bench at R.L.*	*Length X Width (m^2)*	*Depth (m)*	*Total Excavation m^3*	*Sp. Gr. MT/ m^3*	*Total Excavation (in MT)*	*Rec. of sand stone*	*Rec. of sand stone MT*	*Sub Grade In MT 5%*	*Waste generated in the total excavation MT 45%*
PP'	479.5-477	1700	2.5	4250	2.7	11475	5%	574	574	10327
PP'	476-475	1720	1	1720	2.7	4644	25%	1161	232	3251
PP'	475-473	1750	2	3500	2.7	9450	50%	4725	472.5	4252.5
TOTAL						**25569**		**6460**	**1278.5**	**17830.5**

Fourth Year - During the fourth year of mining Plan the lessee will excavate one non-splitable sandstone (RL 479.5-477) and two benches of splitable sand stone shall be prepared (RL 476-475, 475-473). About 27176 MT of material shall be excavated. This will include 6740 MT of recoverable mineral & 19077 MT mineral wastes and 1359 MT

subgrade generated. The fourth year overburden shall be excavated shall be back filled in the pit exhausted during first, second & third year mining.

Bench wise overburden excavation along section

At Section	*Bench No./ mRL*	*Plan area in m^2*	*Depth in m.*	*Volume in m^3*	*Overburden excavation in tones*
PP'	479.5-ABOVE	1854	0.5	927	2503
PP'	477-476	1828	1	1828	4936
	Total			**2755**	**7439**

Bench wise non splitable and splitable sand stone excavation

At Section	*Bench at R.L.*	*Length X Width (m^2)*	*Depth (m)*	*Total Excavation m^3*	*Sp. Gr. MT/ m^3*	*Total Excavation (in MT)*	*Rec. of sand stone*	*Rec. of sand stone MT*	*Sub Grade In MT 5%*	*Waste generated in the total excavation MT 45%*
PP'-RR'	479.5-477	1850	2.5	4625	2.7	12488	5%	624	624	11240
PP'-RR'	476-475	1820	1	1820	2.7	4914	25%	1229	246	3439
PP'-RR'	475-473	1810	2	3620	2.7	9774	50%	4887	489	4398
TOTAL						**27176**		**6740**	**1359**	**19077**

Fifth Year - During the fifth year of mining Plan the lessee will excavate one non-splitable sandstone (RL 479.5-477) and two benches of splitable sand stone shall be prepared (RL 476-475, 475-473). About 31739MT of material shall be excavated. This will include 8164 MT of recoverable mineral & 21988MT mineral wastes and 1587MT subgrade generated. The Fifth year overburden shall be excavated shall be back filled in the pit exhausted during third year mining.

Bench wise overburden excavation along section

At Section	*Bench No./ mRL*	*Plan area in m^2*	*Depth in m.*	*Volume in m^3*	*Overburden excavation in tones*
PP'	479.5-ABOVE	2030	0.5	1015	2741
PP'	477-476	2150	1	2150	5805
	Total			**3165**	**8546**

Bench wise non splitable and splitable sand stone excavation

At Section	*Bench at R.L.*	*Length X Width (m^2)*	*Depth (m)*	*Total Excavation m^3*	*Sp. Gr. MT/ m^3*	*Total Excavation (in MT)*	*Rec. of sand stone*	*Rec. of sand stone MT*	*Sub Grade In MT 5%*	*Waste generated in the total excavation MT 45%*
PP'	479.5-477	2050	2.5	5125	2.7	13838	5%	692	692	12454
PP'	476-475	2190	1	2190	2.7	5913	25%	1478	296	4139
PP'	475-473	2220	2	4440	2.7	11988	50%	5994	599	5395
TOTAL						**31739**		**8164**	**1587**	**21988**

Year wise proposed production of minerals

Year	*Total salable sand stone MT*	*Sub Grade In MT*	*Waste generated in the splitable sand stone in MT*	*Waste/soil/overburden generated from non splitable sand stone In MT*	*Total Waste/soil/ Overburden in MT*	*Stripping Ratio Mineral : Waste*
First Year	5528.5	553	4975	--	4975	1:0.900
Second Year	6281	1342.5	19228	7546	26774	1:4.263
Third Year	6460	1278.5	17830.5	6856	24686.5	1:3.821
Fourth Year	6740	1359	19077	7439	26516	1:3.934
Fifth Year	8164	1587	21988	8546	30534	1:3.740
Total	**33173.5**	**6120**	**83098.5**	**30387**	**113485.5**	

(b) Proposed Rate of Production when the mine is fully developed and expected life of the mine and the year from which effected:-

Proposed rate of Production when the M.L. is fully developed: - 6634.7 MT

The expected Life shall be 5 years.

(c) Anticipated Life of Mine

By considering average production of 6634.7MT of mineral per annum.

Anticipated Life = Mine able (Proved + Probable) Reserve/ Avg. Annual Production

= 32467.5/6634.7 = 5 Years

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

(d) Proposed Mining Method: - The Sand Stone mine shall be developed by Mechanized opencast Mining. The mineral is lying on the sub surface therefore open cast mining has been the obvious choice.

For splitable sandstone Benches

The Bench Parameters shall be for mineral
1. Height – 0.5m-3m
2. Width - More than 0.5m-3m

The Bench Parameters shall be for O/B/Fracture
1. Height – 1m-3m
2. Width - More than 1m-3m

Width of the approach Road: - 3M

The main mining operation includes digging, cutting and the transportation by trucks. The Mineral in the trucks are loaded manually.

(e) CONCEPTUAL MINING PLAN: -

Proposal of Conceptual Plan

The Proposals of the Conceptual Closure are based on the Geology and Topography of the region. A part of the excavated region shall be converted into water reservoir & Part shall be Backfilled after exhausting the complete available mineral. The lessee shall make water drains for the purpose. This shall also increase the aesthetic beauty of the area. The office and other buildings, the mine road and the other entire infrastructure developed by the lessee shall be used by lessee for various purposes. The virgin & backfilled region shall be used for agriculture purposes. The ultimate pit size shall be

Ultimate Size of the Pit at the end of period	:	1.0890 Hect.
Ultimate Pit Depth	:	7 m from benchmark

Land Degradation and Reclamation

Total Excavated Area	:	1.0890 Hectares
Area to be Reclaimed (Back Filled)	:	0.6205
Area to be Water Reserver	:	0.4685
Remaining Dump Area	:	Nil

Post Mining Land use: - At the end of the mining operation, a part of the excavated region shall be converted into water reservoir & a part shall be back filled. The Backfilled and None utilized area would be used for a Forming/forestation after spreading topsoil over it. The lessee would use the Buildings and Roads for infrastructure facilities.

Rehabilitation

As no personnel are expected to be migrated due to mining in the mining lease. and the adjoining region is also having a good mineral potential, the rehabilitation of the employees is not a problem. The workers and other staff can get job in the neighboring areas after the end of life of mine. The lessee shall also try for employment of the workers.

Plantation Proposals

Type of Plants	:	1. Mango 2. Neem 3. Palm 4. Other Fruit bearing trees.
No. of Plants	:	200
Time of Implementation	:	During the rainy season in form of green festival

(f) Blasting

Small blasting with low charge of holes just to loosen the rocks is proposed in upper layers to remove the hard overburden. 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.

Broad Blasting Parameters

Length of Shot Holes	:	1.6 m
Diameter of Shot Holes	:	32 mm
Spacing	:	1 m
Burden	:	0.8 m
Stemming	:	30%

Type of Explosive

Special Gellatin, Ordinary Plain Detonator, Safety Fuse

Charges per Hole & Powder Factor

1. Expected Powder Factor	:	4 Tonnes/kg of explosive
2. Quantity of Ore Broken Per Hole = Depth x Burden x Spacing x Sp. Gravity = 1.5 x 0.8 x 1 x 2.7	:	3.24 Tonnes
3. Explosive Required per Hole	:	3.24/4 = 0.81 kg
Sp. Gel. Per Cartridge	:	0.17kg
A.N.F.O. per hole	:	0.64kg

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.

Safety Precautions

1. During handling all care should be taken that no inflammable elements should be there.
2. Only safety explosive container with explosive license should be used for safe & secure transportation of explosive.
3. Efficient Siren should be blown prior to the blasting & clearance of blasting.

(g) MINE DRAINAGE

The average rainfall in this area is very low, and it hardly exceeds 800mm. Seasonal water stream do pass through the lease area in which the water flows through natural gradient. It is capable of dealing with the rainwater during the rainy season. There is scarce chance of this water enter into the Pits. If rainwater does get collected in pits and remain there for a considerable period of time, it takes about two to three months to percolate down the ground. Normally work at bottom of the pit remains suspended in the months following the rains. However, in case of necessity the water may be pumped out using one diesel engine driven pump of say 25 H.P. This water can be spilled in the water drain made for the proper drainage of the mine water outside the mining lease area.

The Ground water table is 40m (in rainy season) to 45m (in Dry Season). The drinking water can be brought from the wells at 500m distance.

The rain water shall be utilized by harvesting techniques.

Chapter 8:

Year wise proposed annual production of minerals

Year	*Total salable sand stone MT*	*Sub Grade In MT*	*Waste generated in the splitable sand stone in MT*	*Waste/soil/overburden generated from non splitable sand stone In MT*	*Total Waste/soil/ Overburden in MT*	*Stripping Ratio Mineral : Waste*
First Year	5528.5	553	4975	--	4975	1:0.900
Second Year	6281	1342.5	19228	7546	26774	1:4.263
Third Year	6460	1278.5	17830.5	6856	24686.5	1:3.821
Fourth Year	6740	1359	19077	7439	26516	1:3.934
Fifth Year	8164	1587	21988	8546	30534	1:3.740
Total	**33173.5**	**6120**	**83098.5**	**30387**	**113485.5**	

Chapter 9:

Details of employment

The mine owner shall employ Mine official (Mines Manager, Forman) in accordance with the provision of the MMR 1961 & Mining engineer under MCDR 88. 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 mechanized mining the organizational set up proposed is given below:

Mines Manager	-	1
Mines Mate/Mines Foreman	-	1
Watchmen	-	1
Skilled Labours/operator	-	5
Unskilled Labours	-	7

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

Chapter 10

Measures taken and to be taken for land restoration, reclamation and plantation in or near by lease area

Restoration the mined out land partly shall be reclaimed by backfilling of overburden and stored top soil shall be spread over it. The lessee shall restore, reclaim of the land as under rule 28 of MCDR 2002.

Rehabilitation

As no personnel are expected to be migrated due to mining in the lease area and the adjoining region is also having a good mineral potential, the rehabilitation of the employees is not going to be a problem. The workers and other staff can get job in the neighboring areas after the end of life of mine. The lessee shall also try for employment of the workers.

Year wise proposal for reclaimnation of land during next five years.

The area falls in semi arid zone and there is a shortage of water so large-scale plantation is not possible. The rains are also scanty hence it is essential that the sapling of selected plants grown should be such those required minimum water and hence it is proposed to plant 40 trees per year of the following:

1	Babool	2.	Vilayati Babool
3	Khejari	4.	Amal Tas and
5.	Perkin Sonia	6.	Neem

Restoration of flora shall be maintained as per rule 33 of MCDR 2002. The plantation will be done at the place shown on the Environment Management Plan Plate No.VI. In every year an area of about 60 Sq. M. will be used for plantation.

Programme for Plantation

S.No.	Year of Plantation	Target of Plantation	Assumed survival	Replenishment of Casualties	Total
1	First year	40	32	---	32
2	Second year	40	32	16	40
3	Third year	40	32	16	40
4	Fourth year	40	32	16	40
5	Fifth year	40	32	16	40

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

1. At the boundary of the Lease.
2. Both site of the road
3. At the Dumps
4. At the Govt. waste land provided by the Govt. and own land.

Chapter 11

Measures taken and to be taken for protection of environment in and around mining lease area

1. The lessee shall backfill mine out land or convert into water reservoir.
2. Plantation shall be done by the lessee.
3. Water Management:

(i) Water collected shall be analyzed and if found potable than it shall be diverted for drinking purpose in consultation with State Public Health Engineering Department.

(ii) Accumulated un-potable rain water shall be dewatered and diverted to nearby pond/aquifer/river/nallah, catchment area by providing suitable pipe line or drains or links canals, as the case may be, in consultation with State Public Health Engineering Department.

(iii) The procedure of water harvesting shall be adopted to recharge the ground water table.

(iv) Effective steps shall be taken for setting up of a water treatment plant wherever required to treat the effluents collected in the working pits; and

(v) For working below ground water level the lease, license or short term permit holder shall carry out a detailed hydro-geological study taking into account the mine water discharge, management of discharged water and shall obtain prior approval of State Ground Water Department.

(vi) The lessee take all possible precaution for the protection of environment and control of pollution.

Environmental Management Fund:

The lessee shall deposit the amount in the Environmental Management Fund as decided by the State Govt. The fund shall be utilized for protection of environment in and around mining lease area.

Chapter 12

Measures taken and to be taken for dumping overburden, stacking of top soil and utilization of top soil

Nature of Waste The waste as overburden in the area is top soil and Hard Sandstone. The soil cover/soil in the area is varying in thickness from 0.5m (479.5-480mRL) observed at places over the sand stone in the area. The fractured sandstone layer varies in thickness upto 3.5m (476-479.5mRL). The rock fragments of small size are also resulted after mining.

Proposed Waste to be generation

S. No	Year	I	II	III	IV	V	Total
1	Mineral Waste (MT)	4975	19228	17830.5	19077	21988	**83098.5**
2	Over burden (MT)	--	7546	6856	7439	8546	**30387**
3	Total Waste (1+2) MT	4975	26774	24686.5	26516	30534	**113485.5**
4	In m3	1843	9916	9143	9821	11309	**42032**
5.	Swell Volume (m^3)	2212	11899	10972	11785	13571	**50439**

12.2 Generation of Top Soil:

No top soil proposed.

12.3 Generation & Stacking of Sub Grade Mineral: - It is also proposed to stack the Sub grade material near pillar B. The Sub grade mineral shall be used for making cobbles for supplying for making paths. The Generation shall be:-

Proposed Sub Grade Mineral to be generated

Year	I	II	III	IV	V
Sub Grade Mineral (MT)	553	1342.5	1278.5	1359	1587
Sub Grade Mineral M^3	205	497	474	503	588
Swell Volume (m^{33})	246	596	569	604	706

Area: 6m x 4m

Location: near Pillar B.

Chapter 13

Measures taken and to be taken for the control of water, noise and air pollution

The environment impact assessment should be done periodically for the degradation of the land pollution of air quality, noise level and vibration level

Water Environment

Surface Water: Proposed waste rock dump sites are away from any seasonal water stream Thus there will be no impact of mining in the natural flow of water and the drainage system in the area. The lessee shall make garland drain, retaining walls, setting tanks all around the pits and dumps. The rain water shall be utilized by harvesting techniques.

Ground water the water table in the area is 40m (in rainy season) to 45 m (in Dry Season). The mining activity shall be reached up to 473mRL.The ground water in the area is not likely to be effected at all.

Water quality The mineral produced and the waste rocks generated are not likely to pollute the water quality in any manner.

Noise Noise is created due to machineries deployed in the area. Precaution and regular maintenance of drills and excavator replacement of damaged/ worn out parts when even required will be taken. Ear plugs will be provided to the persons exposed to high noise level.

There shall be no adverse impact on this account to the workers and local inhabitants.

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. The road will be maintained properly. The maintenance of road will also help in maintenance of machinery, tyres etc. dust suppression will be done by spraying water from time to time. Dust generation during drilling will be tackled by wet drilling / dust collector. In addition as an extra precaution dusk masks will be provided to the drilling crew. The total SPM concentration would be less then the national permeable limit of 200 ug/m^3 for residential area.

Monitoring schedules for different environmental components after commencement of mining /during mining.

S. No.	Monitoring	Period
1	Air Monitoring	As per pollution consent
2	Noise Level Monitoring	
3	Water testing	
4	Soil testing	
5	Ground vibration	

Chapter 14

Contribution regarding the social development for the nearby residents

The Lessee shall spend 1% of profit for the development of the area i.e. treatment of poors, schools, temples and other social work local residence shall be employed.

Chapter 15: Details of health checkup and insurance of all the employed persons (for existing lease)

(i) Regular health check up camps for the workers engaged in mines shall be organized.

(ii) Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed;

(iii) Insurance cover to all workers engaged in mines shall be provided;

(iv) Safety to prevent the worker getting injury during work following measure will be taken:

(i) The workers will be trained in vocational training they get proper training in their particular work. (ii) They will be provided proper safety equipment such as safety boots, helmets, and lifeline etc. (iii) Proper benches will be formed. Apart from this all safety precaution will be taken as per Act, Rules and Regulation.

Chapter 16. Others

USE OF MINERAL

Being a decorative stone, the principal use *of* this sand stone is in flooring and wall tiles. The, lessee will export and also supply in indigenous market the tiles, slabs, Cobble,s, crazy paving, wall & flower parade, curbstones, and blocks of the sand stone

MINERAL BENEFICIATION

The excavated mineral is dressed as finished good before packing in container made ready for export/ indigenous use.

Chapter 17: CONCLUSION

The mining lease is a semi-mechanized open cast mine in the process of development. The mineral produced is of good quality. Its O/B ratio is low at present, which supports the mining potential. During this phase, efforts shall be made to fully develop this mine by a systematic pattern i.e.

- Adhering to the proposed mining sequence.
- Implementation of the planning with regard to the plantation and systematic dumping of the waste rocks, as proposed.

Mohammed Arif
Lessee

Chandra Singh Kothari,
Reg. No. RQP/UDP/239/2002-A;
Renewed up to 11/12/2014

This Mining Plan With Progressive Mine Colsure Plan/Simplified Mining Scheme has been approved with code no. STATE/KOTA/ ...../MP/13-1957 dated 27/12/13 Under R.M.M.C.R. 1986 (Amended 2012)

अधीक्षण खनि अभियन्ता
खान एवं भू-विज्ञान विभाग
कोटा वृत कोटा

Progressive Mine Closure Plan

Rule 37 E (vi) of R.M.M.C.R.,1986 (Amended 2012)

DETAILS OF M. L. AREA

Near Village	:	**PARANA**
Tehsil	:	**BUNDI**
District	:	**BUNDI**
State	:	**RAJASTHAN**
Mineral	:	**SAND STONE**
M.L. No.	:	**217/2007**
Area	:	**1.0890 HECTARE**
Lease Period	:	**20 YEARS**
Land Type	:	**PVT. WASTE LAND**

DETAILS OF LESSEE

Name of Lessee	:	**SHRI MOHAMMED ARIF**
Status	:	**AN INDIVIDUAL**
State	:	**S/O SHRI MUNNA KHAN** **R/O- 3-CHA-2,** **VIGYAN NAGAR,** **KOTA (RAJ.)**

Prepared By
Chandra Singh Kothari, Geologist & RQP
Reg. No. RQP/UDP/239/2002-A,Renewed up to 11/12/2014
15, New Glass Factory Colony, Sunderwas, Udaipur (Raj.)
Phone no. 0294-2492060 (o) Mobile No.: 94141-10360
Email: - nimesh.singhvi@gmail.com

CHAPTER – 1
PROGRESSIVE MINE CLOSURE PLAN

1.0 INTRODUCTION

This Progressive Mine Closure Plan is for Mineral Sand Stone Mine (M.L.14/12) near village – Parana, Tehsil - Bundi, District – Bundi (Raj.) has been prepared on the consent of the owner of the lease **Shri Mohammed Arif** S/o ShriMunna Khan R/o- 3-Cha-2, Vigyan Nagar, Kota (Raj)for fulfillment of Rule 37 E (vi) of R.M.M.C.R.,1986 (Amended 2012).

The Lessee is submitting this Progressive Mine Closure Plan for approval to **"SME (Kota Circle), Department of Mines & Geology, Kota (Raj.)"** As per the State Government Notification.

The present land use pattern is as indicated in the following Table:

Present land use pattern

Near Village	Tehsil	Dist. & State	Khasra No.	Status of land	Area in Hect.	Period
Parana	Bundi	Bundi Rajasthan	138, 139	Pvt. land	1.0890	20 Years

The lease area is in Non forest land. The whole lease area falls in the GT Sheet No. 45 O/8.

1.2 REASON FOR CLOSURE

The mine is proposed to close on account of exhaustation of economical recoverable Sand Stone reserve in lease holds area. The mine may be closed on account of others others unforeseen reasons i.e. by Government directives etc. for which information and notice shall be received from the concerned Govt. authorities and departments.

1.3 STAUTORY OBLIGATIONS

The mining lease for an area 1.0890 hect. was granted in favour of **Shri Mohammed Arif** S/o ShriMunna Khan R/o- 3-Cha-2, Vigyan Nagar, Kota (Raj) vide order no. Kha A/Bundi-II/CC-III/ ML-217/20074101on dated 27/05/2008. The lease deed was executed on 23/10/2008 and lease deed was registered on dated 06/01/2009 for 20 years.

1.4 CLOSURE PLAN PREPARATION

1.4.1 Lessee's name and address:

Shri Mohammed Arif,

S/o ShriMunna Khan

R/o- 3-Cha-2,

Vigyan Nagar, Kota (Raj.)

Phone No. – Not available

Email - Not available

1.4.2 Name and address of the recognized person who prepared this progressive closure plan:

Chandra Singh Kothari, *Geologist &RQP*

Reg. No. RQP/UDP/239/2002-A;

Renewed up to 11/12/2014

15, New Glass Factory Colony,

Sunderwas, Udaipur (Raj.)

Phone no. 0294-2492060 (o) Mobile No.: 94141-10360

Email: - nimesh.singhvi@gmail.com

1.5 Name of the Executing Agency

In the lease area the mineral Sand Stoneexposed on the surface.

CHAPTER – 2

MINE AREA DESCRIPTION

2.1Physiography

The area falls in G.T. sheet No. 45 O/8. Topographically the area comprises flat land. For the survey is considered 480 as Benchmark near pillar 'D'.

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	Parana	About 0.8 km
Towards SW	Dhorela	About 2.6 km
Towards SW	Budhpura	About 1.9 km
Towards SW	Goverdhanpura	About 2.9km
Towards SE	DevjikaJhopra	About 4.3 km
Towards SE	Dabi	About 4.8 km

2.2 Regional Geology

Geologically the district consists of diverse rock types belonging to oldest archean me tamarphics of bhilwara super- group and middle to upper proterozoicsedimentaries of vindhyamsupergroup. NE-SW part of the district is exposed by the rock types belonging to bhilwara super group and in remaining part, rock types of vindhyam super group exist. Modified and generalised lithographic sequence after G.S.I. (2000) is given below-

Lithostratigraphic sequence of Bundi District :

Supergroup	Group	Formation/Lithology
Recent to subrecent –		Soil/ Alluvium
	Bhander	Dholpuer (Upper hander)shale.
		Balwan(Upper Bhander) limestone
		Maihar(Upper Bhander) Sandstone
VINDHYAM SUPERGROUP		Sirbu shale with siltsone. Sandstone, grit and stromatolitic limestone
		Lower Bhander (Bundi hill) Sandstone with lower shale, middle sandstone, Upper shale, Upper sandstone

		Samaria shale	
		Lower Bhander	(Lakheri)
		Limestone	
		Ganurgarh shale	
	Rewa	Govindgarh (Upper Rewa)	
		Sandstone	
		Jhiri shale	
		Indergarh (Lower Rewa)	
		Sandstone	
		Panna shale	
	Kaimur	AkodaMahadev	(kaimur)
		sandstone	
		Badanpur conglomerate	
		Granite and Dolerite	
Bhilwara super group (2500 Years)		Bhadesar shale, slate	
	Hindoli group	phylite/Quartzite/Dolomitic limestone	

The rocks of Hindoli group of BhilwaraSupergroup has occuried NE-NW part of the district and extends from village Hindoli and khinya in the west to the village babi in east. Insrusives like granite & dolerites are exposed near village Basni, Deva kakhera&Odhnda of Hindolitehsill of Bundi district. General trend of rocks is N 40^0 E with 60^0 NW dip.

Vindhyan sedimentary sequences have occupied north eastern to southern part of the district. These are grouped as upper VindhyanSupergroup and separated from BhilwaraSupergroup by a major revenue fault known as great boundary fault.

All the three kaimur, Rewa&Bhander Group with their formation & member are well exposed in the area.

Rocks of kaimur Group occur as outlier on the NW of Great Boundary fault in between Bundi-Indergarh area.

Rewa Group compriespannashales, Indergarh(Lower Rewa) sandstone, Jhiri shale and Govindgarh (Upper Rewa) sandstone formation. Panna shale &Indergarh sandstone are exposed SW of Indergarh extending upto 5 kms. Jhirishales&Govindgarh sandstone are persistent and both occur together in between taragarh fort of Bundi and Indergarh for about 72 kms.

Lakheri Limestone of Bhander group occurs in between greenish grey sacaria shale above and reddish brown Ganurgarh shale below and marked by intraformationalconglomertate& breccia at the base and extends intermittently for about 80 kms. In 1-2 kms.Wide belt uptoIndergarh.

Samaria shale is overlain by Bundi hill sandstone. Bundi hill sandstone unatitute the Bundi hill and mostly in the southern part of district. The Sirbu shale is conformably underlain by the Bundi hill sandstone and overlain by Maiher sandstone outcrop in eastern, southern and western part of the district. The limestone of Sirbu shale is generally confined in lower & middle part of the birbru shale. The limestone in lower part the siliceous & dolomitic in nature, where as upper limestone is starmolitic and siliceous grade. Maihar sandstone occurs only in hill on the east of lakheri. Balwan limestone occurs conformably above the Maihar sandstone and is exposed near kamaleshwarmahadev& also in chakam river section. Its lower part is greyish ferruginous, arenaceous& cherty in nature where as upper horizon is pinkish &stromatolitic in nature. Dholpur shale conformably overlies the Balwanlimestones& exposed near Daulatpura, Narayanpura&sandelnala. It is pinkish, purple reddish & brown in colour, thinly bedded & horizontal. Quaternary sediment representing scree, talus, aeolian& alluvium. Alluvium is occupying the large part of the district where cost of the part is under cultivations.

Mineral Resources:

The most important mineral resources of Bundi district are limestone and sandstone. The limestone deposits provide on of the oldest cement plant of state at Lakheri. However most of the deposits are marginal cement grade and also fall in forest. Other minerals include silica asan, iron ore, clay, barites, red ochres, marble, granite, slate stone etc.

Detail is given below:

Local Geology

The local geological succession for the area may be summarized as below:-

Recent	Group	Formation	Lithology
VindhyanSupergroup	Bhander Group	Lower Bhander Sand stone formation	Upper sandstone
			upper shale
			Middle sandstone
			Lower shale
			Lower sandstone

(d) Lithology

The soil cover/soil in the area is varying in thickness from 0.5m (479.5-480mRL) observed at places over the sand stone in the area. The fractured sandstone layer varies in thickness upto 3.5m (476-479.5mRL).

2.3 Method of Estimation of Reserves Method adopted

Total Reserve

Nature of Reserve	*UNFC*	*Recovery Mineral 50% (tones)*	*Sub Grade 5%*	*Waste 45% (tones)*
Proved	111	22957	5904	89201
Probable	121	13118	1312	11806
Possible	333	--	--	--
Total		**36075**	**7216**	**101007**

2.4MINING METHOD

Open cast Mechanized Mining Method shall be adopted.

The Bench Parameters shall be for mineral

1. Height – 0.5m-3m
2. Width - More than 0.5m-3m

The Bench Parameters shall be for O/B/Fracture

1. Height – 1m-3m
2. Width - More than 1m-3m

Gradient of the Haul Road: - 1 in 16 (ramps)

Proposed Production for the five year Period

Year	*Total salable sand stone MT*	*Sub Grade In MT*	*Waste generated in the splitable sand stone in MT*	*Waste/soil/overburden generated from non splitable sand stone In MT*	*Total Waste/soil/ Overburden in MT*	*Stripping Ratio Mineral : Waste*
First Year	5528.5	553	4975	--	4975	1:0.900
Second Year	6281	1342.5	19228	7546	26774	1:4.263
Third Year	6460	1278.5	17830.5	6856	24686.5	1:3.821
Fourth Year	6740	1359	19077	7439	26516	1:3.934
Fifth Year	8164	1587	21988	8546	30534	1:3.740
Total	**33173.5**	**6120**	**83098.5**	**30387**	**113485.5**	

2.4.1Rock Fragmentation - A Sand Stone mine has two types of activities i.e. one is removing of waste rock and overburden and the other is extraction of Sand Stone blocks.

Soil/Overburden/fractured capping from 4.0 m is removed by drilling small dia holes, these blasted with light explosives charge (to prevent damage to Sand Stone blocks from crakes) and the overburden is removed with help of Prochain CK 90 excavator and loaded into Ashok Leyland 10 Tonne capacity Dumper. The muck is transported and dumped in the lease area at proposed dumping site.

When Sand Stone is exposed, a free face in the strike direction along weak zone of strata is opened out by digging a trench box of 10m x 6m this in local terminology is called galli preparation. Thus a bench is formed. The height of bench is 1.5 m. Vertical holes of 25mm dia are drilled by Jack hammer drill and with the wedging the big blocks are separated and toppled by using Jacks. Big size block is further divided into small blocks by drilling and Wedge method.

2.4.2Extent Of Mechanization- Initially the Lessee will also arrange machineryon hire basis on contract basis. Later the lessee will go for own mechanization

Proposed Extent of Mechanization

S. no.	Type	Nos.	Bucket Capacity in Cu. M.	Make	Motive Power	H.P.
1.	Dumper	8	10 tonner	Tata	Diesel	119HP
2.	Diesel Pump	1		Local	Diesel	--
3.	Compressor	2	75 CFM	Local	Diesel	--
4.	Jack Hammer	4	32mm	Local	---	--
5.	Excavator	2	1 m^3	Local	Diesel	--

* Overburden shall be removed on contractual basis. The men & Machineries for the overburden removal shall be on contract basis as when required. Required more m/c shall be taken on rent basis to achieve the production.

2.5 Mineral Beneficiation

The excavated mineral is dressed as finished good before packing in container made ready for export.

CHAPTER - 8

REVIEW OF IMPLEMENTATION OF MINING PLAN OF MINING INCLUDING PROGRESSIVE CLOSURE PLAN UP TO THE FINAL CLOSURE OF MINE

This chapter is not applicable.

CHAPTER – 4
Closure plan

The Proposals of the Final Closure are based on the Geology and Topography of the region. At the end of the mining operation, a part shall be used as water reservoir; the water reservoir would be fenced.

4.1 Mined Out Land

Mined Out Land (Hectare)

Particular	Present	At the end of Mining Plan	At the end of Life of Mine
Broken Up Area	0.2292	0.3717	1.0890
Back Filled Area	Nil	0.6205 (Backfilled)	0.6205
Water Reservoir	Nil	0.4685(Water Reservoir)	0.4685
Reclaimed Area	Nil	0.6205 (Backfilled)	----
			***All the area are in Hectare**

Mined Out Land Planning The mined out land planning is required to be done to ensure that:

a. As soon as the land matures, it shall be made ready for future use.

b. At all the times mining pits and the roads shall be maintained in safe condition to prevent landslides etc. and stability shall not be disturbed.

c. Water drainage shall be maintained and cleaned in a manner that surface water shall not cause quarry flooding.

4.1.1 Land Use Pattern The lease area is having Pvt. Waste Land. In general the area is low hilly. There is no village or human settlement in the lease area. Permanent vegetation in the area is also very less prominent.

The present land use pattern is as indicated in the following Table:

Present land use pattern

	**All the areas are given in Hectares*	*Forest Land*	*Grazing Land*	*Govt. waste Land*	*Pvt. Waste Land*	*Total*
1	Pits & Quarries	----	----	----	0.2292	0.2292
2	Top soil Dump	----	----	----	----	----
3	Dumps	----	----	----	0.8037	0.8037
4	Stack Yard	----	----	----	----	----
5	Sub Grade stack Yard	----	----	----	----	----
6	Infrastructure (Work shop, administrative Building)	----	----	----	----	----
7	Roads	----	----	----	0.0619	0.0619
8	Railway	----	----	----	----	----
9	Green Belt	----	----	----	----	----
10	Tailing Pond	----	----	----	----	----
11	Effluent Treatment Plant	----	----	----	----	----
12	Mineral Separation Plant	----	----	----	----	----
13	Township	----	----	----	----	----
14	Non Utilized	----	----	----	0.2234	0.2234
Total		----	----	----	**1.0890**	**1.0890**

4.1.2 Land reclamation & Tree plantations -The land reclamation and afforestation proposals are presented in plate 8 of the Mining Plan. The Lessee is committed to take care of and reclaim the mining area as proposed in the plan. The lease area would be used as water reservoir.

4.1.3 Post Mining Land Use Plan As mining in the pits is not going to be completed during the period of this five-year period, this point is not applicable.

4.1.4 Proposed Land pattern during next five years

Proposed Land use pattern during next five years

	**All the areas are given in Hectares*	*Forest Land*	*Pvt. Ag. Land*	*Govt. waste Land*	*Pvt. Waste Land*	*Total*
1	Pits & Quarries	----	----	----	0.3717	0.3717
2	Top soil Dump	----	----	----	----	----
3	Dumps	----	----	----	0.6768	0.6768
4	Mineral Stack Yard	----	----	----	0.0008	0.0008
5	Sub Grade stack Yard	----	----	----	0.0021	0.0021
6	Infrastructure (Work shop, administrative Building)	----	----	----	0.0036	0.0036
7	Roads	----	----	----	----	----
8	Railway	----	----	----	----	----
9	Green Belt	----	----	----	0.0060	0.0060
10	Tailing Pond	----	----	----	----	----
11	Effluent Treatment Plant	----	----	----	----	----
12	Mineral Separation Plant	----	----	----	----	----
13	Township	----	----	----	----	----
14	Non Utilized	----	----	----	0.0280	0.0280
	Total	----	-----	----	**1.0890**	**1.0890**

4.1.5 End Land Use Pattern at the end of the life of the mine At the end of the mining operation, of the lease area would be used as water reservoir and a part of the remaining region would be used for plantation. The proposed end land use pattern is as indicated in the following Table:

Proposed Land use pattern end of life of mine

	**All the areas are given in Hectares*	*Forest Land*	*Pvt.Ag. Land*	*Govt. waste land*	*Pvt. Waste land*	*Total*
1	Water Reservoir	----	----	----	0.4685	0.4685
2	Top soil Dump	----	----	----	----	----
3	Backfilled area	----	----	----	0.6205	0.6205
4	Stack Yard	----	----	----	----	----
5	Sub Grade stack Yard	----	----	----	----	----
6	Infrastructure (Work shop, administrative Building)	----	----	----	----	----
7	Roads	----	----	----	----	----
8	Railway	----	----	----	----	----
9	Green Belt (other than Backfilled)	----	----	----	----	----
10	Tailing Pond	----	----	----	----	----
11	Effluent Treatment Plant	----	----	----	----	----
12	Mineral Separation Plant	----	----	----	----	----
13	Township	----	----	----	----	----
14	Non Utilized	----	----	----	0.00	0.00
Total		----	----	----	**1.0890**	**1.0890**

4.1.6 Post Plantation Care Post plantation cares including provision for watering them. Most of these trees will be planted during the rainy season. The type of trees proposed usually does not require much care after plantation. However, the management will allocate workers to look after them, on a regular basis. This Green Belt will be properly fenced. The water for the purpose of plantation during the period other than rainy season will be fetched from the wells.

The plantation scheme proposed above would not only help in the restoration of the land use but also improve the eco-system of the area.

It is suggested that a joint effort be made in consultation with the experts on the soil conservation, agro-foresting and afforestation, so that a systematic land use pattern could be evolved. The Lessee of this mine is willing to take part in such an effort.

4.1.7 Water Quality Management and Impact Assessment

Surface Water The working pits and proposed waste rock dumpsites shall be away from any seasonal water stream. Thus there will be no impact of mining in the natural flow of water and the drainage system in the lease area.

Ground water The Ground water table is 40m (in rainy season) to 45m (in Dry Season) and therefore, quantity as well as quality-wise, the ground water in the area is not likely to be effected at all.

Water quality The mineral produced and the waste rocks generated are not likely to pollute the water quality in any manner.

4.2 Air Quality Management The only source to pollute air shall be the generation of dust while undertaking the manual mining operation including sizing the mineral. But the level of dust concentration shall be practically of very low order.

4.3. Waste Management

Rate of yearly generation of waste next five year

Rate of yearly generation of waste next five year

Particular	Area	Quantity (m^3)
Existing Dump	Nil	Nil
Dump at the end five year period	0.6205hect.	50439m^3
Dump at the end of Life of Mine	Nil(Backfilled)	---

4.4 Top Soil Management

No top soil shall be generated.

4.5 Plantation

Proposed Plantation

	Location	No. of Trees	Area
Present	----	Nil	Nil
End of five year period	statutory barrier	200	0.0060hect.
End of Life of Mine	At statutory barrier&Backfilled area.	200	0.6205 Hectare

4.6 Disposal of Mining Machineries

Most of the machineries used for mining activity are being hired on contract basis hence the machineries shall be carried with operating contractors from the mine after completion of contract.

4.7 Safety And Security Most of the mined out area is proposed for water storage and shall be properly fenced to prevent any unauthorized entry in to the area. The water from this area shall be discharged after treatment for agriculture use. All the safety measures as

per the mine rules will be provided. For safety purpose the following measures are also proposed:

a. Barbed wire fencing is proposed around all the pits to check the inadvertent entry of livestock in the mining area (excavation).

b. Security Guard are proposed for ward and watch duty and for security purpose. He will not allow any general public person and livestock near the cutting of the proposed workings.

c. The safe workings are proposed in the supervision of technical and qualified supervisory staff.

4.8 Disaster Management and Risk Assessment

The proposed workings are by opencast mechanized mining method. Underground mining is not proposed. In case of accident a well-equipped First Aid station shall be available at mine site for giving first aid to injured persons.

4.9 Care and Maintenance during Temporary Discontinuance

In case of temporary discontinuance of work, the mine workings will be in the watch of the Security Guard employed for the purpose. Before entering the labour into mine workings or faces during the resumption of work, the workings and faces are proposed to be inspected by Authorised person.

CHAPTER – 5.0

ECONOMIC REPERCUSSIONS OF CLOSURE OF MINE AND MANPOWER RETENCHMENT

5.1 Number of Local Residents Employed As per the Mining Plan 12 workers other than the supervisory staff shall be employed on the mine. The labours employed shall be from the nearby villages. Half of them are skilled labours and the other half shall be unskilled labours. Some local habitants of the area will get indirect job from the mining activities such as transportation etc.

5.1.1 Status of continuation of the family occupation and scope of joining the occupation back.

As the mine is not supposed to be closed in the period of this plan, so this point is not applicable.

5.1.2 Compensation given or to be given to the employees connecting with sustenance of himself and their family members.

The compensation to the employees with sustenance of himself and their family members will be provided as per Regulation.

5.2 Satellite Occupations Connected To the Mining Industry.

The life of mine is much more than the period of this Progressive Mine Closure Plan hence this paragraph is not applicable at present.

5.3 Continued engagement of employment in the rehabilitated status of Mining Lease area and any other remnant activities.

Not applicable in this Progressive Mine Closure Plan.

5.4 Envisaged Repercussions on the Expectation of the Society Around Due to Closure of Mine.

This paragraph is not related to this progressive mine closure plan.

CHAPTER –6.0 TIME SCHEDULING FOR ABANDONMENT ANDABONDONMENT COST

The lessee plan fencing around the five year pit limit in the near future. This may cost him an amount of Rs. 20020/-. This shall be done during the financial year 2013-14.

The lessee plan for plantation of trees as given in the plan. This shall be carried out yearlyas a festival among the labours during the rainy season. This will cost him Rs. 4000/-per year.

Time scheduling for the final abandonment at the end of the 5 year:

Work	Area / Nos.	Approx. Cost	Time Period
Plantation	200trees	Rs20000/-	3 Months during Rainy season
Fencing	286m	Rs20020/-	---
retaining walls	--	--	---

CHAPTER – 7.0 FINANCIAL ASSURANCE

S. No.	Head	Area put on use at start of Plan (in Ha.)	Additional requirement during Plan period (in. Ha.)	Total (in.Ha.)	Area considered as fully reclaimed & rehabilitated (in. Ha.)	Net area considered for calculation (in. Ha.)
1.	Area under mining	0.2292	0.8193	1.0485	0.6768 (backfilled)	1.0485
2.	Storage for top soil	--	--	--	--	--
3.	Overburden/ dump	0.8037	0.6768 (backfilled)	0.6768 (backfilled)	--	--
4.	Mineral storage	--	0.0008	0.0008	--	0.0008
5.	Infrastructure (Workshop, administrative building etc.)	--	0.0036	0.0036	--	0.0036
6.	Road	0.0619	--	--	--	--
7.	Railway	--	--	--	--	--
8.	Green Belt	--	0.0060	0.0060	--	0.0060
9.	Tailing pond	--	--	--	--	--
10.	Effluent Treatment	--	--	--	--	--
11.	Mineral Separation Plant	--	--	--	--	--
12.	Township area	--	--	--	--	--
13.	Sub Grade Stack Yard	--	0.0021	0.0021	--	0.0021
GRAND TOTAL						**1.0610**

Financial Assurance/Surety may be submitted to Mining Engineer, Bundi- II, as per Rule 37 (J) of R.M.M.C.R., 1986 (Amendment, 2012).

Mohammed Arif
Lessee

Chandra Singh Kothari,
Reg. No. RQP/UDP/239/2002-A;
Renewed up to 11/12/2014

रजिस्टर्ड ए.डी.

राजस्थान सरकार

कार्यालय खनि अभियन्ता खान एवं भू विज्ञान विभाग खण्ड द्वितीय बून्दी

विषयान्तर्गत लेख है कि आपके पक्ष में स्वीकृत खनन पट्टा 16/2012 ग्राम [illegible] तहसील [illegible] जिला बून्दी अवधि दिनांक [illegible] वार्षिक ठेका राशि रु 3,26,70/- स्वीकृत है।

आप द्वारा उपरोक्त वर्णित खननपट्टे के सम्बन्ध में राजस्थान अप्रधान खनिज रियायत नियमावली 1986 (संशोधित) के निम्नलिखित नियमों की पालना नहीं की गई है :-

1. अध्याय-4 ए के नियम 37-जे के अनुसार रु0 15000/- प्रति हैक्टर अथवा पार्ट हैक्टर (न्यूनतम) की दर से वित्तीय आश्वासन दिनांक 19.09.2012 तक राष्ट्रीयकृत बैंक की एफ.डी.आर. के रूप में दिया जाना है। कृपया अवगत होवें।
2. अध्याय-4 ए के नियम 37-जी के अनुसार प्रोग्रेसिव माईनिंग प्लान/स्कीम (1 हैक्टर से अधिक के लिये प्लान व 1 हैक्टर तक के लिये स्कीम) अधिकृत व्यक्ति से तैयार करवाकर तथा रु0 1000/- स्कीम शुल्क (नोन रिफण्डेबल) जमा करवाते हुए [illegible] कार्यालय में प्रस्तुत करें।
3. अध्याय-4 ए के नियम 37-पी के अनुसार आप एक खननपट्टा समूह (क्लस्टर) के अन्तर्गत आते हैं। इस हेतु तत्काल एक संगठन का गठन करें तथा इस समूह (क्लस्टर) का [illegible] प्लान अधिकृत व्यक्ति से तैयार करा [illegible] दिनांक 19.12.2012 तक कार्यालय में प्रस्तुत करें।
4. आपके पक्ष में धारित खननपट्टे की राजस्थान राज्य प्रदूषण नियन्त्रण बोर्ड द्वारा जारी कन्सेन्ट टू ओपरेट की अवधि दिनांक .... को समाप्त हो गई है जिसका नवीनीकरण करावें एवं साथ ही अन्तर प्रतिभूति राशि रु0 .... की एन.एस.सी. भी कार्यालय में 15 दिवस में प्रस्तुत करें।

उक्त पूर्तियां समयावधि में पूर्ण नहीं करने पर नियमानुसार अग्रिम कार्यवाही की जायेगी। इस हेतु अन्य जानकारी कार्यालय से प्राप्त की जा सकती है।

खनि अभियन्ता
खण्ड द्वितीय बून्दी

MAP SHOWING ML 217/07 AREA FOR SAND STONE
IN V. TARNI TEH. & DIST. BUNDI

S.T.P. 'D' PILLAR OF ML 123/94
GHIRAM AREA TAKEN IN

INDEX

DEMARCATED AREA = 16.89 Sq. KM.
AREA DEMARCATED BY- SHRI SURESH VYA-

PREPARED BY-

DRAUGHTSMAN PARTY

MINING ENGINEER
BUNDI-II

राजस्थान सरकार

कार्यालय खनि अभियन्ता, खण्ड द्वितीय, बून्दी

संयुक्त सीमांकन प्रतिवेदन

	B	308°0'	
B	C	38°0'	121 Mtrs
C	D	128°0'	90 Mtrs
D	A	218°0'	124 Mtrs
			90 Mtrs

सीमांकित क्षेत्र 10.990 एकड़।

10. नोट :- कार्यालय से प्राप्त विवरण सूची, प्लान एवं क्षेत्र की उपलब्धता के आधार पर आवेदित क्षेत्र का संयुक्त सीमांकन स्थल आवेदक / अधिकृत के प्रतिनिधि एवं हल्का पटवारी की उपस्थिति में मौके पर किया गया। सीमांकित क्षेत्र उच्चतम न्यायालय के निर्णय दिनांक 12.12.96 के अनुसार (डिक्लसनरी लिमिट) वन नही है। संयुक्त सीमांकन रिपोर्ट मौके पर बनाई जाकर पार्टी प्रतिनिधि, हल्का पटवारी के हस्ताक्षर कराये गये। पार्टी को हिदायत दी गई कि खदिदा निष्पादन एवं पजीयन न होने तक क्षेत्र में खनन कार्य नही करें।

सीमांकित क्षेत्र की हल्का पटवारी द्वारा मौके पर राजस्व रेकार्ड एवं मौका स्थिति अनुसार जांच करने पर पाया गया कि यह क्षेत्र खसरा संख्या 138 एवं 139 में पड़ता है। जिसकी विस्तृत रिपोर्ट तहसील कार्यालय के मार्फत भिजवाई जावेगी।

पार्टी प्रतिनिधि

हल्का पटवारी 15.12.97

(सुरेश व्यास)
सीमांकनकर्ता

Confidly
D/man

भवदीय,

Distances of corner pillars

A to D1 - 308

D1 to B2 - 38° - 95 M

D3 to B Pillar - 62 - 13

9/987

H to Dept Pillar - 155°15' - 86 M

Panama

'B' :- (1) Jt falls in old pit

(2) 'C' Pillar of ML 123/104 at 128°-211 M.

'C' :- (1) Jt falls on old malwa dump.

'D' :- (1) Jt falls on old Malwa dump.

MP.

कार्यालय उप पंजीयक

अद्य दिनांक 6 th January सन् 2009 को 13:19 बजे
श्री/श्रीमती/कुमारी MOHAMMAD ARIF पुत्र/पत्नी/पुत्री श्री YUNUS
उम्र 25 वर्ष जाति MUSLIM व्यवसाय BUSINESS
निवासी H.NO. 3 CH 2, VIGHYAN NAGAR,KOTA
ने मेरे समक्ष उपस्थित होकर प्रस्तुत किया।

(2900000094)
(Mining lease & transfer of mining lease)

रसीद नं0 2009000030 दिनांक 06/01/2009
पंजीयन शुल्क रु0 740/-
प्रतिलिपि शुल्क रु0 200/-
पृष्ठांकन शुल्क रु0 0/-
अन्य शुल्क रु0 0/-
कमी स्टाम्प शुल्क रु0 1090/-
कुल योग रु0 2030/-

(2900000094) उप पंजीयक, BUNDI
(Mining lease & transfer of mining lease)

भारतीय गैर न्यायिक INDIA NON JUDICIAL

भारत

एक हजार रुपये

₹1000 Rs.1000

राजस्थान RAJASTHAN

A 538201

17

एम.एल.-217/2007

रु. मेसर्स ब्यूडिशियल स्टाम्प विक्रेतान रुपये-1000/-(अक्षरे रुपये

[illegible] एम.एल.-217(2007) के अन्तर्गत

आरोपित
(हस्ताक्षर पक्षकार)

उप पंजीयक
बूंदी (राज.)

भारतीय गैर न्यायिक

भारत INDIA

500 FIVE HUNDRED RUPEES

पाँच सौ रुपये Rs. 500

INDIA NON JUDICIAL

राजस्थान RAJASTHAN 434482

(एम.एल.-217/2007)

ये नोन ज्यूडिशियल स्टाम्प कीमतन रुपये-500/-(अक्षरे रुपये पांच सौ मात्र) उक्त पत्र संविदा एम.एल.-217(2007) के साथ संलग्न रहे।

(हस्ताक्षर पटवारी)

[illegible] भू-अभिलेख

[illegible] (राज.)

[illegible] (राज.)

(85)

भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

ONE

HUNDRED RUPEES

INDIA

राजस्थान RAJASTHAN

F 805305

एम.एल.-217/2007

ये बॉण्ड न्यूडिशियल स्टाम्प किसलय रुपये-100/-(अक्षरे रुपये एक सौ मात्र) रजनज पट्टा अवैध एम.एल.-217(2007) के साथ संलग्न रहे।

आदेश,
(रजनीकांत पुरोहित)

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

ONE HUNDRED RUPEES

भारत INDIA

INDIA NON JUDICIAL

राजस्थान RAJASTHAN

F 805306

एम.एल.-217/2007

ये नोन ज्यूडिशियल स्टाम्प कीमती रुपये-100/-(अक्षरे रुपये एक सौ मात्र) [illegible] पट्टा [illegible] एम.एल.-217(2007) के साथ संलग्न है।

(पट्टाधारी)

(राज.)

उप पंजीयक
बूंदी (राज०)

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

ONE HUNDRED RUPEES

INDIA

राजस्थान RAJASTHAN

F 805307

एम.एल.-217/2007

ये नोन ज्यूडिशियल स्टाम्प कि़मतन अपये-100/-(अक्षरे रूपये एक सौ मात्र) उदयपुर पट्टा संख्या एम.एल.-217(2007) को उप पंजीयक यूनी

अरविंद
(अरविंद पटेरिया)

उप पंजीयक
यूनी (राज०)

भारतीय गैर न्यायिक INDIA NON JUDICIAL

भारत

एक हजार रुपये ONE THOUSAND RUPEES

रु.1000 Rs.1000

राजस्थान RAJASTHAN

538200

17 JUN 2008

खनन पट्टा संविदा

[illegible] नोन ज्यूडिशियल स्टाम्प कीमतन रुपये-4800/- (अक्षरे रुपये चार हजार आठ [illegible]) [illegible] के लिखा अठ खनन पट्टा संविदा एम०एल०-217(2007) को

[illegible] खनन पट्टा स्वीकृत [illegible] क्षेत्र-10890 वर्ग मीटर [illegible] ग्राम [illegible] जिला बूंदी में खनिज [illegible] रुपये-32670/-सालाना पर (किन्तु मूल [illegible] प्रति पांच वर्ष पश्चात पुनः निश्चित हो जावेगी। अर्थात संविदा [illegible] तिथि से बीस वर्ष तक के लिए इस कार्यालय के आदेश क्रमांक : [illegible]/बूंदी-[illegible]/[illegible]/ एम०एल०-21[illegible]/2007/4101 दिनांक 27.05.2008 श्री मोहम्मद [illegible] पुत्र श्री [illegible] स्थाई निवासी [illegible] विज्ञान नगर, कोटा के पक्ष में [illegible] किया गया है।

[illegible] खनन पट्टा संविदा का [illegible] पट्टाधारी एवं राज्य सरकार के बीच [illegible] (राज्य के महामहिम राज्यपाल की ओर से) सम्पादित किया गया जिसे राज्य सरकार [illegible] अभियन्ता, खान एवं भू विज्ञान विभाग, खण्ड [illegible] बूंदी ने हस्ताक्षरित किया। पट्टाधारी द्वारा राजस्थान अप्रधान खनिज रियायती नियमावली 1986 के नियमों, खनिज नीति 1994 के प्रावधानों के अनुसार एवं [illegible] के अनुसार खनन कार्य करने तथा समय समय पर होने वाले संशोधनों को स्वीकार किया है।

अतः खनन पट्टा संविदा का निष्पादन आज दिनांक ......[illegible]...... को निम्न गवाहों के समक्ष किया गया

गवाह - 1- Yahief [illegible] (पट्टाधारी)

गवाह - [illegible]

उप पंजीयक
बूंदी (राज०)

18

यह कि गौण ज्युडिशियल स्टॉम्प कीमतन रू-4800/- के सविता (एम0एल0-217/2007) के साथ संलग्न रहेंगे।

GOVERNMENT OF RAJASTHAN

DEPATMENT OF MINES & GEOLOGY, RAJASTHAN

FORM NO.5

FORM OF MINING LEASE

This indenture made this ---------

Rajasthan (hereinafter referred to as the Government) ...

(Name of person)

(hereinafter referred to as the 'Lessee' which expression shall where the context so admits, include his heirs, executors ,administrators ,representatives, and permitted assigns)

(2) When the lessees are more than one individual ....

(Name of person)

-- (Address and occupation)

of -- (name of person)

and -- (Address and occupation)

of -- (name of person)

and -- (Address and occupation)

of -- (hereinafter referred to as the "Lessees" which expression shall, where the context so admits include their respective heirs, executors, administrators, representatives and permitted assign).

(3) When the lessee is a firm .... (Name of person)

-- (Address) and

of .... (Name of person)

.... (Name of person)

All carrying on business in partnership at (address of the firm ....

..............under the name and style of (Name of the Firm) .... (hereinafter referred to as the "Lessees" which expression shall, when the context so admits, include all the partners of the said firm, their representatives, heirs, executors, administrators and permitted assigns).

(4) When the lessee is a registered Company --

(Name of the Company) a Company -- (Act under which incorporated) and having its registered under --

उप पंजीयक
बूंदी (राज0)

1

registered office at -- (Address)
(hereinafter referred to as the "Lessee" which expression shall, where the context so admits, include its successors and permitted assigns) of the other part.

[illegible] Whereas the Lessee/lessees has/have applied to the Government [illegible] Rajasthan Minor Mineral Concession Rules, 19[illegible] [illegible] lease or सेण्ड स्टोन in respect of the lands hereinafter described in clause I (b) and has/have [illegible] the Government the sum of Rs. [illegible] N.S.C. को लॉटिकरण परिपत्रक क्रमांक : 1545 [illegible]

Now, therefore this deed witnesseth [illegible] the parties hereto hereby [illegible]

(I) Demise- (a) In consideration of the rent and royalties [illegible] and confirmed the Government hereby [illegible]

[illegible]

of [illegible]

(b) The area of the said lands is as follows – खसरा परासा सोसिल सेण्ड स्टोन क्षेत्र-10890 व.मी. निकट ग्राम पराना तहसील एवं जिला बूंदी जो राजस्व रिपोर्ट के अनुसार ग्राम पराना के खसरा संख्या 138 एवं 139 किस्म सिवायचक जिला राजकी में पड़ता है

(Here in after referred to as the said lands or the leased area)

(c) The Lessee/Lessees shall hold the premises hereby granted and demised from the date of registration for period of रॉयल्टी पंजीयन तिथि से 20 वर्ष निरन्तर सिवाय मालक पूरा पांच वर्ष [illegible] - years thence next ensuing.

(2) Liberties, powers and privileges to be exercised and enjoyed by the lessees -The following liberties, powers and privileges may be exercised and enjoyed by the lessee/lessees subject to the other provisions of this lease:-

(a) **To enter upon land and search for, win, work etc.** Liberty and powers at all times during the terms hereby demised to enter upon the said lands and to search for, mine, bore, dig, drill for, win, work, dress, process, convert, carry away and dispose of the said minerals.

(b) **To sink, drive and make pits, shaft and inclines etc.** Liberty and powers for or in connection with any of the purposes mentioned in this clause to sink, drive, make, maintain and use in the said lands, and pits, shafts, inclines, drifts, levels, water-ways, air-ways and other works and to use, maintain, deepen or extend any existing works of the like nature in the said lands.

(c) **To bring and use machinery and equipment -** Liberty and power for or in connection with any of the purposes mentioned in this clause to erect, construct, maintain and use on or under the said lands any engines, machinery, plant, dressing floors, furnaces, coke ovens, brick kilns, workshops, store houses, bungalows, go downs, sheds and other buildings and other works and conveniences on the like nature on or under the said lands.

(d) **To use water from streams etc-** Liberty and power for or in connection with any of the purposes mentioned in this clause but subject to the rights of any existing or future lessees and with the written permission of the Collector to appropriate and use water from any stream, water courses, springs or other source in or upon the said

खनि अभियन्ता

उप पंजीयक
बूंदी (राज.)

Lands and to divert, step up of dam any such stream or water course and collect or impound such water and to make Constructand maintain any welter course. Culvert. Drains or reservoirs so as to deprive any cultivated land. Villages, buildings or watering places for a reasonable supply of water as before accustomed not in any way to foul or pollute any stream or spring provided that the lessee/lessees shall not interfere with the navigation of any navigable stream nor shall divert such stream or water course except with the permission of the Collector or any other officer duly authorised by the government in this behalf and otherwise then in accordance with such terms, conditions and restrictions general or special as may be attached to such permissions. The said distance of 45 meters shall be measured in the case of Railway, reservoir or canal horizontally from the outer toe of the bank or the outer edge of the cutting as the case may be and in case of a building horizontally from the plinth thereof.

Explanation:- For the purpose of this clause:-

(i) The expression "Railway Administration" shall have the same meaning as it is defined to have in the Indian Railway Act 1890 by sub-section (4) of section 3 of that Act.

(ii) (a) "Public road" shall mean a road which has been constructed or artificially surfaced or formed from a track resulting from a repeated use.

(b) Permission for surface operation in a land not already in use- Before using for surface operation and land which has not already been used for such operations. The Lessee/Lessees shall give to the Collector of the District two calendar months previous notice in writing specifying the situation and the extent of the land proposed to be so used and the purpose for which the same is required and the said land shall not be so used if objection is issued by the Collector within two months after receipt by him of such notice unless the objection so stated shall on reference to the Government be annuled or waived.

4. The Lessee/Lessees hereby covenants with the Government as following:-

(1) Covenants in accordance with Rajasthan Minor Mineral Concession Rules, 1986. The Lessee/Lessees shall pay royalty on the quantity of the said mineral dispatched from or consumed within the leased area at the rates specified in Schedule-I appended to Rajasthan Minor Mineral Concession Rules, 1986.

Provided that the said rates shall be liable to be revised by the Government and such revision shall apply to this lease subject to the condition that the enhancement in the rate of royalty shall not be made more than once during any period of four years.