



GOVERNMENT OF TELANGANA

Factories Department

From
Director of Factories
Block No: 304, 3rd Floor,
Maitrivihar Commercial Complex,
Besides Passport Office (Aditya Trade Center)
Ameeerpēt, Hyderabad - 500038.

To
The Occupier
GMR ROCK SAND
Sy. No: 89/A/1, Baswapur
(V), Mulugu (M), Siddipet
District - 502336

Lr.No.D.Dis.B2/SDPT/6086/2019, Dated: 22/12/2019

Sir,

Sub: Factories Act, 1948 - Plans of GMR ROCK SAND, Door No: Sy. No. 89/B,, Baswapur Village,
Kokkonda(V)- Mulugu(M), Siddipet(D) - 502336, Approved ac* Regarding.

Ref: FRL00013668

Revised plans received through the reference cited above are approved for 968 HP under the
Factories Act, 1948 subject to the following conditions that

1. The distance between panel board and walls shall be not less than 0.9 M
2. Dust control chambers and equipment shall be provided
3. Hoods shall be provided over all the belt conveyors to prevent rising of dust
4. Water sprinkling arrangement shall be made on the internal roads, on the yard and over the dust raising the areas.
5. Substantial common type stair cases with double hand rails shall be provided to all the platforms
6. Secure covers shall be provided above all the silos, bins and hoppers
7. Substantial hand rails/retaining walls on both sides of the ramp leading to the mixing plant shall be provided
8. Fire safety precautions shall be maintained as per Rule 61 of the Telangana Factories Rules, 1950
9. Pre employment and periodical medical examination shall be done to all the workers as per norms
10. Proper yard lighting and all necessary precautions shall be taken while reversing the vehicles

Note: 1) In respect of new factories manufacturing activity shall not be commenced unless a notice of occupation (License application)

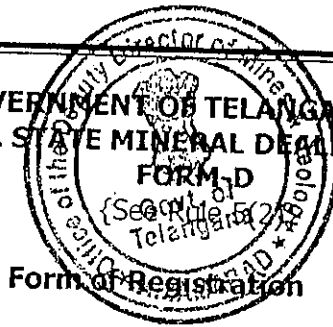
in Form No: 2) accompanied by challan for requisite fee, etc., are submitted under Section 7 read with rule 4 (1) & (6)

to the Inspector of Factories concerned.

2) This is a digitally signed certificate and does not require physical signature. This certificate can be verified at

<https://sfactories.cgg.gov.in> by furnishing the registration certificate number mentioned in the certificate.

GOVERNMENT OF TELANGANA
THE TELANGANA STATE MINERAL DEALER RULES, 2000



Deputy Director

GOVERNMENT OF TELANGANA
NIZAMABAD.



Registration No.1075 /MDR/SDPT/2017, Dated: 25.04.2017

1. Name of the Dealer in full : **M/S. GMR ROCK SAND
Prop. sri G. Ram Mohan Rao**
2. Full Address : **595 & 596, Near YSR Statue,
Ayyapa Society, Madhapur, Rangareddy Dist**
3. Father's Name in full (incase firm name and address of partner and Persons holding power of attorney to act on behalf of the firm) : **S/o. Late M. Venktadas**
4. Profession of the Dealer : **Business**
5. Specific purpose or places of Business : **Sy. No. : 89/B,
Village : BASWAPUR,
Mandal : MULUG,
District : SIDDIPET.**
6. Specific purpose for which registration is granted : **Storing/ Trading /Selling**
7. Name of Mineral / Ore covered under the License : **STONE & METAL**
8. Challan No. Showing payment of application fee : **Challan No. 00388, Dated: 04.04.2017.
for Rs. 1,000/- Name of the STO-Nizamabad**
9. Challan No. Showing payment Security Deposit : **Pass Book No. 3629112963
Dated: 18.04.2017 for an amount of Rs. 5,000/-**
10. Name and address of the persons / Firms from whom the mineral/Ore will be Purchased/Produced : **Self Quarry**
11. Period of Registration : **(05 Years)
w-e From: 31.08.2017 to 30.08.2022**
12. If it is a case of renewal the number and date of grant of the original Registration : **Renewal (MDL No. 936/MDR/MDK/204,
Dt: 23.07.2014**
13. Date of application : **Dated:04.04.2017**

Date of Grant **25.04.2017**
Place : **Nizamabad**

Deputy Director of Mines and Geology,

GOVERNMENT OF TELANGANA
PROCEEDINGS OF THE ASST. DIRECTOR OF MINES & GEOLOGY: SIDDIPET
(PRESENT: SRI.R.SAINATH, M.Sc., ASSISTANT DIRECTOR, (I/c))

Proceedings No.1783/QL/2014

Dt.09.05.2018

Sub: MINES & QUARRIES – Quarry Lease for Stone & Metal over an extent of 3.00 Hectares in Sy.No.89/AA1 (P.L) of Baswapur Village, Mulugu Mandal, Siddipet District for a period of (15) Years – Quarry Lease Granted in favour of M/s GMR Rock Sand, Prop: Sri. G. Ram Mohan Rao – Execution of Quarry Lease Deed – Work orders – Issued – Reg.

Ref: Proceedings No.1117/QL/SDPT/2016, Dt.25.04.2018 of the Deputy Director of Mines & Geology, Nizamabad.

ORDER:

Through the reference cited, the Deputy Director of Mines & Geology, Nizamabad has granted a quarry lease for Stone & Road in favour of M/s GMR Rock Sand, Prop: Sri. G. Ram Mohan Rao, over an extent of 3.00 Hectares in Sy.No. 89/AA1 (P.L) of Baswapur Village, Mulugu Mandal, Siddipet District for a period of (15) years.

Hence, sanction is hereby accorded to M/s GMR Rock Sand, Prop: Sri. G. Ram Mohan Rao to commence the quarrying operations for Building Stone & Road Metal over an extent of 3.00 Hectares in Sy.No. 89/AA1 (P.L) of Baswapur Village, Mulugu Mandal, Siddipet District over an extent of 3.00 Hectares for a period of (15) years w.e.f **09.05.2018 to 08.05.2033** subject to the provisions of the Telangana State Minor Mineral Concession Rules, 1966 and subsequent Government orders and executive instructions issued thereon from time to time and special conditions specified in the original grant order and in the appendix enclosed to the order.

The Transferee should observe all the covenants of lease deed in Form- 'G', TSMMC rules, 1966 and terms and conditions given in the appendix enclosed to this deed.

The lessee should maintain all records and accounts and submit monthly/ quarterly/ annual returns to the Deputy Director of Mines & Geology, Nizamabad and Asst. Director of Mines & Geology, Siddipet as prescribed in TSMMC (Telangana Adaptation) Rules, 1966 so as to reach the respective authorities not later than 7th day of succeeding month to which they relate. The Lessee should erect the boundary pillars on all sides to delineate the granted area, with not less than 1mt from the surface of the ground level.

The order now issued is liable for cancellation had it been found at a later date that it is issued on account of mis-representation or mistake of facts or any other matter etc.

1 Serial
Asst. Director of Mines & Geology (I/c),
Siddipet (I/c.)
SIDDIPET DISTRICT.

To
M/s GMR Rock Sand,
Prop: Sri. G. Ram Mohan Rao,
Plat. No. 595 & 596 Gaddam Residency,
Ayyappa Society, Madhapur,
Serlingampally Mandal,
Ranga Reddy District.

- Copy submitted to the District Collector, Siddipet for favour of kind information.
- Copy submitted to the Director of Mines & Geology, Hyderabad along with the quarry lease deed for favour of kind information.
- Copy submitted to the Deputy Director of Mines & Geology, Nizamabad along with the quarry lease deed for favour of kind information.
- Copy to the Tahsildar, Mulugu Mandal, Siddipet District for information.



తెలంగాణ తెలంగాణ TELANGANA
Sl.No. 5777 Date 25/5/18
SOLD TO G. Ram Mohan Rao, Prop: G. Ram Mohan Rao, Plat.No. 595 & 596 Gaddam
Residency, Ayyappa Society, Madhapur, Serlingampally Mandal Ranga Reddy
District.
FOR WHOM GMR. చుట్టే 200 L

N 743017
V. ESHWAR CHARAN
Licensed Stamp Vendor
L.No.17-09-603/1598 R.L.No.17-09-603
H.No. 5-2-33, Near Gandhi Statue
SIDDIPET-502103, Ph No. 98467-9234

FORM - G

[See Rule 8]

Form of lease (Minor Minerals) to Private Persons

This indenture made the 9th day of MAY, 2018 between the Government of Telangana (hereinafter called the "Lessor" which expression shall where the context so admits, include his successors in office and assigns) of the part and M/s GMR Rock Sand, Prop: G. Ram Mohan Rao, Plat.No. 595 & 596 Gaddam Residency, Ayyappa Society, Madhapur, Serlingampally Mandal Ranga Reddy District. (hereinafter called the "Lessee" which expression shall where the context so admits include his heirs, executors, administrators, representatives and assigns) of the other part.

Lessee

FOR GMR ROCK SAND

Asst. Director of Mines & Geology (I/c.)
SIDDIPET DISTRICT.



FORM - G
[See Rule 8]
Form of lease (Minor Minerals) to Private Persons

This indenture made the 9th day of May, 2018 between the Government of Telangana (hereinafter called the "Lessor" which expression shall where the context so admits, include his successors in office and assigns) of the part and M/s. GMR Rock Sand, Prop. Sri G. Ram Mohan Rao, Plat.No. 595 & 596 Gaddam Residency, Ayyappa Society, Madhapur, Serilingampally Mandal RR District (hereinafter called the "Lessee" which expression shall where the context so admits include his heirs, executors, administrators, representatives and assigns) of the other part.

Whereas the lessee has been granted quarry lease by the Government of Telangana on application in [sealed tender-cum-public auction] of the lands in the Siddipet District for the purpose of quarrying for **Stone & Metal** and has deposits with Asst. Director of Mines & Geology, Siddipet the sum of **Rs. 1,50,000/-** (Rupees **One Lakh Fifty Thousand** only) as security for the due and faithful performance by the lessee of the covenants and conditions on the part of the lessee hereinafter contained.

And whereas the Government of Telangana acting for and on behalf of the lands and premises hereinafter described and demised for the terms and at the (knocked down) amount dead rent and seigniorage fee and subject also to the covenants and conditions and conditions hereinafter contained now this indenture witnesses as follows:

The lessor hereby demises to the lessee all those several pieces or pieces of land situated in the village **Baswapur Villages** in the sub-registration district of **Mulugu Mandal** and registration District of **Siddipet** in Telangana being more particularly described in the Schedule hereunder written and delineated in the map or plan hereinto annexed and therein coloured.

2. These are included in the said demise and for the purpose thereof following liberties:-

I. To get from the said demised pieces of land.

II. For the purpose aforesaid to use any water in or under the said demised pieces of land and to divert the same and to make or construct any water courses or ponds so however that nothing shall be done in the exercise of this authority which shall interfere with the rights of any adjoining owners or tenants of the lessors in respect of such water.

III. Generally to do all things which shall be convenient or necessary for getting the **Stone & Metal** and material hereby authorized to be got and for removing and disposing thereof as aforesaid.

For GMR ROCK SAND
Lessee
Proprietor

Asst. Director of Mines & Geology (I/c),
Siddipet District.

3. These are excepted and reserved to the lessor out of this demise:-

I. All earth minerals and other substances not herein before expressly authorized to be got from the demised pieces of lands by the lessee.

II. Liberty for the lessor or other persons authorized by him to search for, work, get, carry away and dispose of the excepted minerals and other substances for such purposes to have the right of ingress, egress and regress over the said demised pieces of land and to make, erect and use all pits, machinery buildings, roads and other necessary works and conveniences provided that the rights hereby reserved shall be exercised in such a way as to cause as little obstruction as possible to the lessee in the use and enjoyment of its rights hereunder and that reasonable compensation for damages caused by any such obstruction shall be paid to the lessee the amount thereof in case of difference to be settled by arbitration as hereinafter provided.

4. The said demised pieces of land shall be held by the lessee for the term of **for period from the 9th day of May, 2018 to 8th day of May, 2033** determinable as hereinafter provided.

5. The lessee hereby agrees to pay during the said term the following dead rent and seigniorage fee whichever is higher and also all cesses which may from time be imposed by the Government.

I. The yearly dead rent of Rs. **50,000/-** per Hectare per Annum in respect of the said demised pieces of land.

II. A seigniorage fee of Rs.75/- **per Cubic Meter** in respect of the said demised pieces of land.

6. The lessor may, during the currency of the lease, vary the rate of dead rent and the seigniorage.

7. It is hereby agreed and declared that in regard to the said [Knock down amount] dead rent and seigniorage fee the following conditions shall be observed by the lessee.

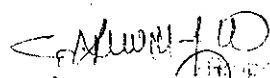
I. The said dead rent of Rs. **50,000/-** per Hectare per Annum shall be paid without any deduction on the **28th day of February** in every year in advance.

II. The said seigniorage fee of Rs.75/- **per Cubic Meter** shall be paid before the same is removed from the aid demised pieces of land.

8. The lessee hereby covenants with the lessor as follows.

I. To pay the [knocked down amount] Dead rent and Seigniorage Fee on the days and in manner aforesaid.

For GMR ROCK SAND


Lessee


Asst. Director of Mines & Geology (I/c),
SIDDIPET DISTRICT.

II. To bear, pay and discharge, all existing and future rates, taxes, assessments, duties, impositions, outgoing and burdens whatsoever imposed or charged upon the demised pieces of land or the produce thereof or the bid amount, dead rent and seigniorage fee hereby reserved or upon the owner or occupier in respect thereof or payable by either in respect thereof except such charges or impositions as the lessee is or may hereinafter be by law exempted from.

II (A). Should any rent, seigniorage fee or other sums due to the State Government under the terms and conditions of these presents be not paid by the lessee / lessees within the prescribed time, the same may be recovered together with simple interest due thereon at rate of 24% per annum on a certificate of such officer as may be specified by the State Government by General or special order in the same manner as arrears of land revenue.

III. Before digging or opening any part of the said demised pieces of land for extracting substance carefully to remove the surface soil to depth of at least _____ meters and lay aside and store the same in some convenient part of the said demised pieces of land until the land from which it has been removed is again restored to a State fit for cultivation as hereinafter provided.

IV. To effectually fence off the said demised pieces of land from the adjoining lands and to keep the fences in good repair and conditions.

V. Not to assign, underlet or part with the possession of the demised land or any part thereof without the written consent of the lessor first obtained. [A quarry lease granted by sealed tender-cum-public auction for sand is not open for transfer]

VI. After working out any part of the said demised pieces of land forthwith to level the same and replace the surface soil thereof and slope the edges, where necessary, so as to afford convenient connection with the adjoining land.

VII. That the lessee shall keep correct accounts in such form as the Asst. Director of Mines & Geology concerned shall from time to time require and direct, showing the quantities and other particulars of the said mineral obtained by the lessees from the said lands and also the number of persons employed in carrying on the said quarrying operations therein and shall from time to time, when so directed by the Asst. Director of Mines & Geology concerned prepare and maintain complete and correct plans of all quarries and workings in the said lands and shall allow any officer thereunto, authorized by the lessor from time to time and at any time, to examine such accounts and any such plans and shall, when so required, supply and furnish to the lessor all such information and returns regarding all or any of the matters aforesaid as the lessor shall from time to time, require and direct.

VIII. That if in the course of quarrying any mineral not specified in the lease is discovered the lessee or registered holder shall at once report such discovery to the Asst. Director of Mines & Geology concerned who shall obtain orders of the Government regarding the working of the same.

Asst. Director of Mines & Geology,
Mines & Geology (I/c.)
SIDDIPEET DISTRICT.

Proprietor

Lessee

SAND

IX. That the lessor's agents, servants and workmen shall be at liberty at all reasonable times during the said term, to inspect and examine the works carried on by the lessee under the liberties herein before granted and the lessee shall and will, from time to time, and at all times during the said term hereby granted conform to observe all orders and regulations which the lessor or his authorized agent as the result of such inspection may from time to time see fit to impose, to keep the lands in good and substantial repair, order and condition or in the interest of public health and safety.

X. The lessee shall without delay send to the Asst. Director of Mines & Geology report of any accident involving the death or injury to any person which may occur in or about the quarry and shall observe all rules for the time being in force regulating the working of quarries.

XI. That the lessee shall not without the express sanction in writing of the said Asst. Director of Mines & Geology concerned cut down or injury any timber or trees on the said lands but he may clear away brushwood or under growth which interferes with any operations authorized by these presents on payment of due compensation for cutting or injuring tree growth in the said lands to the departments concerned.

XII. That wherever necessary, pay to the person concerned, compensation for any loss or damage which may be caused by the lessee to the surface of the demised pieces of land or to anything growing or situated therein in exercise of the rights granted and shall not commence operations until such compensation has been paid. The lessee shall further always keep the lessor indemnified against any claim by any person for any loss or injury caused to him or to his property by lessee. The Deputy Director shall be the competent authority to assess and fix any compensation payable by the lessee for any loss or injury done to him or his property.

XIII. That if required by the Asst. Director of Mines & Geology, erect and maintain at his own expense, boundary pillars of substantial material standing not less than of three feet above the surface of the ground at each corner or angle in the line of the boundary of the area leased to him and at intervals of not more than three meters along the boundary, as delineated in the plan attached to the lease deed.

XIV. If any mineral is not specified in the lease deed or agreement is discovered, the lessee or the registered holder shall not win or dispose of such mineral without obtaining the permission of the Director of Mines & Geology and without payment of the Seigniorage Fee and the acreage assessment. If lessee or the registered holder fails to intimate the Director of Mines & Geology the discovery of such new minerals and obtain their permission within a period of thirty days from the date of working of the mineral is begun, the Director of Mines & Geology or Deputy Director of Mines & Geology may levy enhanced Seigniorage Fee and acreage assessment.

For GMR ROCK SAND

Lessee

Proprietor

Asst. Director of
Mines & Geology (I/c.)
SIDDIPET DISTRICT.

XV. The lessee or the registered holder shall strengthen and support to the satisfaction of any Railway Administration concerned or the State Government, as the case may be, any part of the quarry which in the opinion of the Railway Administration or as the case may be, State Government requires such strengthening or support for the safety of any railway, reservoir, canal, road or any other public works or structure.

XVI. That this lease may be terminated in respect of the whole or any part of the premises by six months notice in writing on either side.

XVII. That on such determination the lessee shall have no right to compensation of any kind.

XVIII. That the [knocked down amount] / Dead Rent and Seigniorage Fee payable under these presents shall be recoverable under the provisions of the Revenue Recovery Act, 1864 thereof.

XIX. That the determination of the tenancy to deliver up the demised land in such condition as shall be in accordance with the provisions of these presents save that the lessee shall if so required by the lessor restore in manner provided by the foregoing covenant in that behalf the surface or any part of the land which has been occupied by the lessee for the purpose of the works hereby authorized and has not been so restored.

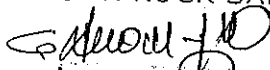
XX. In respect of the granite and marble, the lessee shall comply with provisions of the Granite Conservation and Development Rules, 1999 and the Marble development and conservation Rules, 2002 respectively.


9 The Lessor hereby covenants with the lessee that on the lessee paying the Dead Rent and Seigniorage Fee hereby reserved and that on observing and performing the several covenants and stipulations herein the lessee shall peaceably hold and enjoy the demised pieces of land and the liberties and powers hereby demised and granted during the said term without any interruption by the lessor or any person rightfully claiming under or in trust for him.

9 (A). The Government reserves the right,

1. to cancel the Quarry lease granted and executed under these rules after giving a previous notice.
2. To prohibit quarrying operations in part or the whole of the area under lease with recorded reasons.

For GMR ROCK SAND


Lessee Proprietor


Asst. Director of Mines & Geology,
Siddipet
Mines & Geology (I/c.)
SIDDIPET DISTRICT.

10. It is hereby expressly agreed as follows:

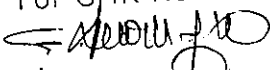
I. If any of the knock down amount / Dead Rent and Seigniorage Fee hereby reserved shall be unpaid for thirty days after becoming payable (whether formally demanded or if the lessee while the demised pieces of land or any part thereof remain vested in him shall become insolvent or if any covenant on the lessee's part herein contained shall not be performed or observed them and in any of the said case it shall be lawful for the lessor at any time thereafter to declare to whole or any part of the said security deposit of **Rs. 1,50,000/-** to be forfeited and also to re-enter upon the demised pieces of land or any part thereof in the name of the whole and thereupon this demise shall absolutely determined but without prejudice to the right of action of the lessor in respect of any reach or non-observance of the lessee's covenants herein contained.


II. The expiry of determination of the lease the lessee shall be at liberty to remove, carry and dispose of all the stocks of the mineral extracted and all engines, machinery, articles and other things whatsoever (not being building or bricks or stone) within one month or extended period granted by Government after paying bid amount and Seigniorage Fee and other sums which may be due and performing and observing the covenants on his part herein before reserved and contained and also making good any damages done by such removal but not buildings which shall be erected on the said demised places of land by the lessee and left thereon at the determination of the lease and shall be the absolute property of the lessor who shall not pay any price for the same.

III. If the lessee shall have paid the knock down amount dead rent and seigniorage fee and duly observed and performed the covenants and conditions on his part herein contained the said deposit of **Rs. 1,50,000/-** shall be returned to him at the expiration of the said term of **a period upto 3.05.2033.**

IV. If any question of difference or dispute shall arise between the parties hereto or any persons claiming under them respectively concerning the [knocked down amount] Dead Rent and Seigniorage Fee hereby reserved or touching the construction of any clause herein contained or the rights, duties or liabilities of the parties hereunder or in any other way touching or arising out of these presents the same shall be referred to the Director of Mines & Geology whose decision thereon shall be final and binding on the parties thereto.

For GMR ROCK SAND


Lessee Proprietor


Asst. Director of Mines & Geology,
Siddipet
Mines & Geology (I/c.)
SIDDIPET DISTRICT.

In witness whereof Sri R. Sainath, M.Sc., Asst. Director of Mines & Geology(I/c) of Siddipet acting for and on behalf of and by order and direction of the Government of Telangana the lessee have here to set their hands the day and year first above writing.

THE SCHEDULE

| Name of Mandal | Name of Village | Survey field | Extent | Assessment | Boundaries North, South, West and East |
|----------------|-----------------|--------------|------------|---|--|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Mulugu | Baswapur | 89/AA1 | 3.00 Hects | <p>The MRA will be prepared on the Dead Rent @ 50,000/- Per Hect, per annum.</p> <p>Or</p> <p>The Seig. Fee of Rs.75/- per M³, whichever is higher during the year</p> | As per Sketch enclosed |

Signed and delivered by the above name in the presence of L. Venkanna,
Tech. Asst. _____, office of the Asst. Director of Mines & Geology Siddipet.

For GMR ROCK SAND

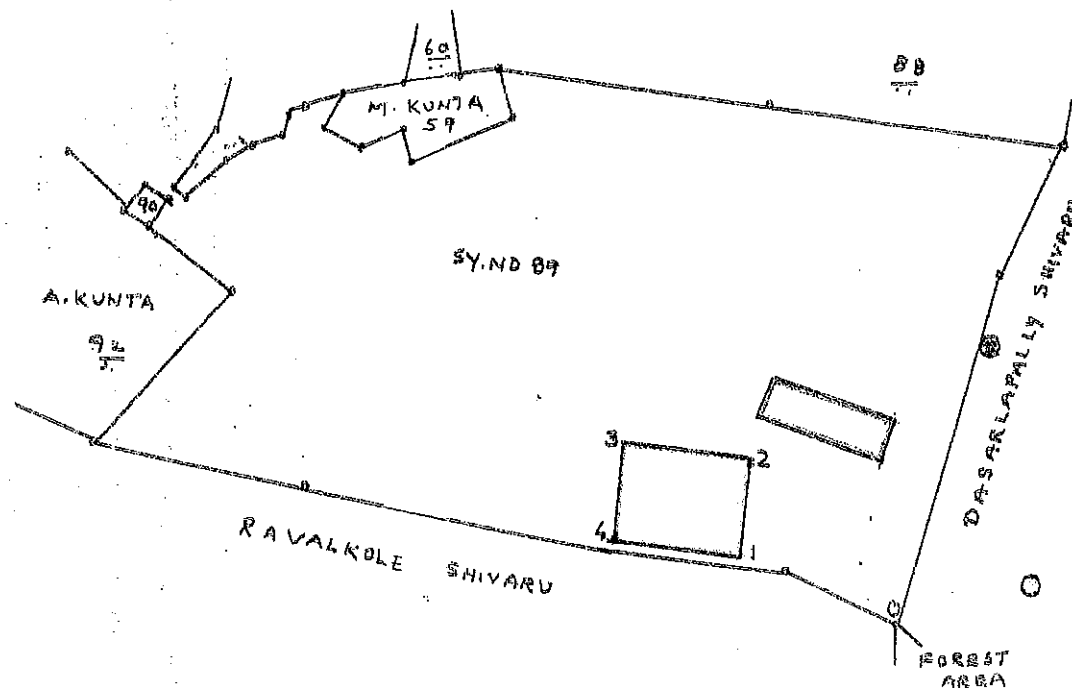
[Signature]
 Lessee Proprietor

[Signature]
 Asst. Director of Mines & Geology,
 Siddipet
Mines & Geology (I/c.)
SIDDIPET DISTRICT.

AN SHOWING THE QUARRY LEASE FOR STONE AND METAL IN SY. NO. 89/AA1(Patta Land) OF BASWAPUR VILL GE, JUGU MANDAL SIDDIPET DISTRICT OVER AN EXTENT OF 3.00 Hect FOR A PERIOD OF 15 YEARS APPLIED BY M/S V.R.ROCK SAND PROP SRI G.RAM MOHAN RAO.



SCALE 6 INCH = 1 MILE



| Boundary No. | Distance | Latitude | Longitude |
|--------------|----------|---------------|---------------|
| 0 TO 1 | 245 Mts | 17° 41' 17.0" | 78° 33' 17.3" |
| 1 TO 2 | 150 Mts | 17° 41' 21.5" | 78° 33' 10.4" |
| 2 TO 3 | 200 Mts | 17° 41' 26.2" | 78° 33' 11.4" |
| 3 TO 4 | 150 Mts | 17° 41' 28.9" | 78° 33' 05.2" |
| 4 TO 1 | 200 Mts | 17° 41' 24.1" | 78° 33' 04.1" |

Geo - Co - ordinates Scale 1 Cm = 250 Meters

| Permanent structures | Distance | Latitude | Longitude |
|----------------------|-----------------------------|---------------|---------------|
| Temple | 1200 Mts from boundary no 2 | 17° 41' 45.8" | 78° 33' 47.8" |
| School | 1400 Mts from boundary no 1 | 17° 41' 17.4" | 78° 33' 59.3" |
| Water Tank | 4900 Mts from boundary no 1 | 17° 41' 58.2" | 78° 35' 51.6" |

QUARRY LEASE AREA HELD BY M/S GMR ROCK SAND PROP SRI G.RAM MOHAN RAO

1.000 Hect

AREA SURVEY AND DEMARCATED TO M/S GMR ROCK SAND PROP SRI G.RAM MOHAN RAO

3.000 Hect

APPLICANT

FOR GMR ROCK SAND
Proprietor

SURVEYOR
O/o. THE ADM&G
MEDAK DISTRICT

(ON DEPUTATION) SIDDIPET DIST

Asst. Director of
Mines & Geology (I/c.)
SIDDIPET DISTRICT.

ADM&G
SIDDIPET DISTRICT



EC

Government of Telangana
District Level Environment Impact Assessment Authority
(DEIAA), Siddipet
Order No. D3/2700/DEIAA-EC/Sdpt/2017

27.03.2018

Sub: DEIAA, Siddipet – Quarrying of Stone & Metal of M/s. GMR Rock Sand, in Sy.No. 89/AA1(Patta Land) of Baswapur Vg, Mulugu Md, Siddipet District over an extent of 3.00 Hect – Environment clearance-Issued.

- Ref: 1. The Hon'ble National Green Tribunal orders Dated: 16.03.2016.**
2. Application of M/s. GMR Rock Sand Dated: 27.01.2017.
3. Constitution of DEIA & DEAC Dated: 26.11.2016.
4. Joint Inspection Report of DEAC, dated 03.11.2017.
5. Recommendations of DEAC committee dated: 03.11.2017

- I. The proposal submitted by **M/s. GMR Rock Sand in Sy. No. 89/AA1(Patta Land) of Baswapur Vg, Mulugu Md, Siddipet District over an extent of 3.00 Hect.** seeking Environmental Clearance has been examined in the light of power point presentation given by M/s. ABC Techno labs India Pvt. Ltd., on behalf of the Proponent; subsequent proposed field inspection by DEAC Committee members and the subject matter was deliberated in detail by all members of the committee.
- II. It is noted that the project proponent has applied for Environmental Clearance for **fresh quarry lease area**. During the meeting, the proponent has informed that they have applied for Environmental Clearance during January 2017 to DEIAA and DEAC.
- III. The applied area has been Inspected by DEAC on 3.11.2017 and recommended for issuance of Environmental Clearance vide recommendation dated 03.11.2017
- IV. It is observed that the nearest human habitation viz., Baswapur Village exists at a distance of about 1.30 km from the quarry lease area.

The Geo-Co-ordinates of the proposed Stone & Metal Quarry are reported as hereunder:

0. 17° 41' 17.0000" N X 78° 33' 17.2000" E
1. 17° 41' 21.5000" N X 78° 33' 10.4000" E
2. 17° 41' 26.2000" N X 78° 33' 11.4000" E
3. 17° 41' 28.9000" N X 78° 33' 05.2000" E
4. 17° 41' 24.1000" N X 78° 33' 04.1000" E

- V. The environmental consultant and the project proponent have stated that it is a semi-mechanized opencast quarry proposed to be developed by forming the benches of 6 meters height with 6 meters bench width. It is reported that the life of the quarry is estimated as 15 years. The total mine lease area is 3.000 Hect.
- VI. The proposal has been examined and processed in accordance with EIA notification, 2006 and its amendment in S.O 141 (E) dated 15.01.2015 MoEF&CC thereof. The District Level Expert Appraisal Committee (DEAC) examined the proposal submitted by the proponent
- VII. The project is exempted from the process of public hearing as the quarry lease area is less than and equal to 5.000 Hects in accordance with the guidelines information furnished, presentation made by the proponent and the consultant G. Ramesh, R.Q.P the Committee considered the project proposal and recommended for issue of Environmental Clearance, subject to terms and conditions suggested as under:

Terms and conditions for issuance of Environmental clearance

A. Specific Conditions:

a) Air Pollution:

- i. While taking afforestation activity under Environmental Management Plan (EMP), the project shall develop greenbelt along the boundary of quarry lease area and consider giving priority to indigenous and evergreen species having more foliage / green cover to absorb dust and other particles around quarry area.
- ii. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul road, loading and unloading and at transfer points should be provided and properly maintained.
- iii. The proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoE&F, GI on 16.11.2009 or the state forest department.
- iv. The following measures are to be implemented to reduce air pollution during transportation of mineral:-
 - Roads shall be graded to mitigate the dust emission.
 - Water shall be sprinkled at regular interval on the main haul road and other service roads by water sprinklers to suppress dust.
- v. Usage of explosive for the purpose of quarry or any other purpose in the quarry or lease is in accordance with the explosives act and Environmental Management Plan (EMP).

b) Noise Pollution:

- i. The following measures are to be implemented to reduce Noise pollution:-
 - Proper and regular maintenance of vehicles and other equipment.
 - Limiting time exposure of workers to excessive noise.
 - The workers employed shall be provided with protection equipment and earmuffs etc.,
 - Speed of trucks entering of leaving the quarry is to be limited to moderate speed of 15 kmph to prevent undue noise from empty trucks.
 - Effective mitigation techniques against noise pollution in order to protect Ecological balance.
- ii. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules 2010; Dt: 11.01.2010 issued by the **MoE&F, GOI** to control noise to the prescribed levels. Workers engaged in operation of HEMM, etc should be provided with ear plugs/muffs.
- iii. Fencing shall be provided all around the working quarry area

c) Water Pollution:-

- i. The source of water for the quarry is Ground water. Total water requirement will be utilized for purposes of dust suppression, development of green belt and other domestic/drinking water purposes. Waste water generated from the domestic section is to be disposed into septic tank followed by soak pit.
- ii. Garland drain and situation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the quarry area, roads, green belt development etc.,. The drains should be regularly desilted, particularly after monsoon, and maintained properly.
- iii. Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells by the project proponent in and around project area in consultation with District Ground water Officer, Siddipet. Data thus collected should be sent at regular intervals to MoEF, District Ground water Officer, Siddipet and Central Ground water Board, Southern region, Hyderabad.
- iv. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with District Ground Water Officer, Siddipet. Suitable measures should be taken for rainwater harvesting.
- v. Permission from the competent District authority of Ground water department, Siddipet, should be obtained for drawl of ground water, if any required for this project.

- vi. The Mining Activity shall be restricted upto a depth of 15 mts from top of the hill to arrest the Ground water depletion. Low intensity blasting should be taken up to avoid the disturbance to fracture zone.

d) Solid Waste:


- i. Topsoil & Rock Boulders, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose
- ii. The following measures are to be adopted in control erosion of dumps:-
 - Retention/tow walls shall be provided at the foot of the dumps.
 - Worked out slopes are to be stabilized by planting appropriate shrub/grass species on the slopes.
- iii. Waste oils, used oils generated from the EM machines, quarrying operations, if any, shall be disposed as per the Hazardous Wastes (Management, Handling and trans boundary movement) Rules. 2008 and its amendments thereof the recyclers authorized by TSPCB

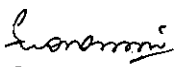
B.General Conditions:


- i. This orders is valid for a period of 15 years or the expiry date of Quarry lease period issued by the Deputy Director of Mines Geology on behalf of Government of Telangana, whichever is earlier.
- ii. "Consent for Establishment" & "Consent for Operation" shall be obtained from Telangana State Pollution Control Board under Air and Water Act to carry on quarry.
- iii. The Environmental safeguard contained in the Environmental Management Plan (EMP) report should be implementation in letter and spirit. The responsibility of implemented of Environment safeguard rests fully with the proponent i.e. M/s. GMR Rock Sand.
- iv. The proponent shall comply with any other conditions stipulated by the Dept. of Mines & Geology, Govt. of Telangana and other concerned statutory Authority/ Department.
- v. No change in Quarrying technology and scope of working should be made without prior approval of the DEIAA Siddipet, no further expansion or modifications in the quarry shall be carried out without prior approval of the DEIAA Siddipet/SEAC, Hyderabad and MoE&F, GoI, New Delhi as applicable.
- vi. The proponent shall submit half- yearly compliance report in respect of the terms and conditions stipulated in this orders in hard and soft copies to the DEIAA; and SEIAA, Hyderabad on 1st December of each calendar year.
- vii. Officials from the SEIAA, Hyderabad who would be monitoring the implementation of environmental safeguard should be given full co-operation, facilities and documents/data by the project proponent during their inspection. A complete set of all the documents shall be submitted to the SEIAA, Hyderabad.


- viii. For ambient air quality, monitoring stations should be established in the core zone as well as in the buffer zone. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Board.
- ix. Data on ambient air quality should be regularly submitted to the State Pollution Control Board once in six months.
- x. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- xi. The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any quarry operation. Necessary safeguard measures to protect the first order streams, if any originating from the mine lease shall be taken.
- xii. The Project proponent should leave the margins from the lease boundary towards nearest house in habitation of the Baswapur Village.
- xiii. Occupational health surveillance program of the workers should be undertaken periodically to observe any contraindications due to exposure to dust and take corrective measures, if needed.
- xiv. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xv. The Project proponent should generate direct and indirect employments to the local Villagers of Baswapur. The applicant will pay Seigniorage fee, Sale Tax, DMF, SMET & IT to the Government exchequer due to quarrying.
- xvi. The funds earmarked for environmental protection measures **(5% of Capital cost)** should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA, State pollution control Board Hyderabad.
- xvii. The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- xviii. The project Authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and DEIAA, Telangana.
- xix. The proponent shall obtain all other mandatory clearances from respective departments when and then requires.

- xx. Any appeal against the Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- xxi. Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xxii. The DEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The DEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxiii. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
- xxiv. The Environment clearance Issued in favour of M/s. GMR Rock Sand for Quarrying of Stone & Metal in Sy.No. 89/AA1(Patta Land), Baswapur Village, Mulugu Mandal, Siddipet District over an extent of 3.00 Hect. for a period of 15 years or the expiry date of Quarry lease period.



MEMBER
SECRETARY
DEIAA, SIDDIPET


MEMBER - I
DEIAA, SIDDIPET


MEMBER - II
DEIAA, SIDDIPET


DISTRICT
COLLECTOR &
CHAIRMAN
DEIAA, SIDDIPET

To.
M/s. GMR ROCK Sand
P.No. 595 & 596, Gaddam Residency,
Ayyappa Society, Madhapur,
Serlingampally Mandak, R.R. Dist.
Copy to:


ASST. DIRECTOR OF MINES & GEOLOGY
Government of Telangana
SIDDIPET District

1. The Secretary cell, MoEF & CCf, GoI, New Delhi for information.
2. The Regional officer, MoEF&CC, GoI, Chennai for information.
3. The Member Secretary, TSPCB for information.
4. The Joint Collector, Siddipet Dist. for information.
5. The CC to Collector for information.
6. The Member Secretary and Members, of DEIAA Siddipet for information
7. The Chairperson, Member Secretary and all the Members, DEAC, Siddipet for information.
8. The D-Section Collectorate Siddipet for information.



Government of India

Form GST REG-06

[See Rule 10(1)]

Registration Certificate

Registration Number :36AJOPG2927R2ZH

| | | | | | |
|--|--|--|------------|----|----|
| 1. | Legal Name | RAM MOHAN RAO GADDAM | | | |
| 2. | Trade Name, if any | M/S GMR ROCK SAND | | | |
| 3. | Constitution of Business | Proprietorship | | | |
| 4. | Address of Principal Place of Business | SY no 89/B, , Baswapur,, Mulugu Mandal, Medak, Telangana, 502103 | | | |
| 5. | Date of Liability | 01/07/2017 | | | |
| 6. | Period of Validity | From | 01/07/2017 | To | NA |
| 7. | Type of Registration | Regular | | | |
| 8. | Particulars of Approving Authority | | | | |
| Signature | | | | | |
| Name | | | | | |
| Designation | | | | | |
| Jurisdictional Office | | | | | |
| 9. | Date of issue of Certificate | 25/09/2017 | | | |
| Note: The registration certificate is required to be prominently displayed at all places of business in the State. | | | | | |

This is a system generated digitally signed Registration Certificate issued based on the deemed approval of the application for registration



TELANGANA STATE POLLUTION CONTROL BOARD
Regional Office : R.C.Puram
25-35/11, Tulasi Reddy complex, 2nd Floor, Near Mandal Office,
R.C.Puram, Sangareddy District

CONSENT FOR OPERATION ORDER (ORANGE CATEGORY)

Consent Order No : TSPCB/RO/MDK/520/W&A/2018-49/9 Dated: 20.1.2018

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof and Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof).

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 (hereinafter referred to as 'the Acts') and the rules and orders made there under to

To
M/s GMR Rock Sand,
Sy. No. 89/B, Baswapur Village,
Mulugu Mandal,
Siddipet District

(hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below.

i) Outlets for discharge of effluents:

| Outlet No. | Outlet Description | Max Dally Discharge | Point of Disposal |
|------------|--------------------|---------------------|----------------------------------|
| 1 | Domestic | 0.5 KLD | Septic tank followed by soak pit |

ii) Emissions from chimneys:

| Chimney No. | Description of Chimney | Quantity of Emissions in m3/hr. at peak flow |
|-------------|------------------------|--|
| — | — | — |

This Consent Order is valid for manufacture of the following products along with quantities only.


| S. No. | Products | Quantity |
|--------|---|-----------|
| 1 | Stone Metal Chips (40 mm, 20 mm, 12 mm, 6 mm) | 180.0 TPD |
| 2 | Stone Dust (By product) | 20.0 TPD |

This Order is subject to the provisions of 'the Acts' and 'the Rules' and Orders made there under and further subject to the terms and conditions incorporated in the Schedule A & B enclosed to this Order.

This Consent Order shall be valid for a period ending with the 30th November, 2022.

To,

M/s GMR Rock Sand,
Sy. No. 89/B, Baswapur Village,
Mulugu Mandal,
Siddipet District.


ENVIRONMENTAL ENGINEER
ENVIRONMENTAL ENGINEER
T.S. Pollution Control Board
Regional Office - II,
R.C. Puram Medak Dist. - 502 032



TELANGANA STATE POLLUTION CONTROL BOARD

Zonal Office, 25-35/11, Tulasi Reddy Complex, 2nd Floor,
Opp. Govt. ITI College, R.C.Puram, Sangareddy District - 502 032.
Phone : 08455 280477, website: tspcb.cgg.gov.in

REGISTERED POST WITH ACK DUE
CONSENT ORDER FOR ESTABLISHMENT - RED CATEGORY

Order No. RCPM-596/PCB/ZO/RCP/CFE/2018-642

Date: 19.04.2018.

Sub:- PCB - CFE - M/s GMR Rock Sand, Building Stone & Road Metal Quarry,
Sy. No. 89/AA1 (Patta land), Baswapur (V), Mulugu (M), Siddipet District
- Consent for Establishment of the Board under Sec. 25 of Water (P&C of P)
Act, 1974 and Under Sec. 21 of Air (P&C of P) Act, 1981- Issued - Reg.

Ref:- 1. Industry's CFE application received through Online on 04.04.2018 at
TSPCB, RO, R.C.Puram.
2. TSPCB, RO, R.C.Puram verification received through online on
17.04.2018.
3. CFE Committee meeting held on 19.04.2018 at TSPCB, Zonal Office,
R.C.Puram.

- I. In the reference 1st cited, an application was submitted to the Board seeking Consent for Establishment (CFE) to set-up a unit with installed capacities as mentioned below, with a project cost of Rs. 40 Lakhs (Rupees Forty Lakhs only).

| Product | Capacity |
|--|------------------------------|
| Quarrying of Building Stone & Road Metal (Lease Area of 3.0 Ha) | 80,000 M ³ /Annum |

- II. As per the application, the industry is proposed to be located at Sy. No. 89/AA1 (Patta land), Baswapur (V), Mulugu (M), Siddipet District.
- III. The above site was inspected by Environmental Engineer, Regional Office, T.S. Pollution Control Board, R.C.Puram on 10.04.2018 and found that the industry is surrounded by North : Open vacant lands of Sy.No.88/B.; East : Open vacant lands Sy.No.89/A.; South : Open cast Mine of M/s. JCPML; West : Open vacant land.
- IV. The Board, after careful scrutiny of the application, verification report of Regional Officer, R.C.Puram, recommendation by the CFE Clearance Committee meeting held on 19.04.2018 at TSPCB, Zonal Office, R.C. Puram, hereby issue CONSENT FOR ESTABLISHMENT to the industry, under Section 25 of Water (Prevention and Control of Pollution) Act, 1974 and under Section 21 of Air (Prevention and Control of Pollution) Act, 1981 and the rules made there under. This Order is issued to manufacture the products mentioned at para (I) only.
- V. This CFE is issued from pollution control point of view only. Zoning and other regulations are not considered.
- VI. The CFE now issued is subject to the conditions mentioned in Schedule 'A' and 'B'.

Encl: Schedule 'A' & Schedule 'B'

19/4/2018
JOINT CHIEF ENVIRONMENTAL ENGINEER

To
Sri. G RamMohan Rao, Proprietor,
M/s GMR Rock Sand,
Building Stone & Road Metal Quarry,
Plot No: 595&596, Gaddam Residence,
Ayyapa society, Madhapur, Serilingampally (M),
Ranga Reddy District, Hyderabad.

This order is valid for a period of five years from the date of issue
19/04/2018 to 31/march/2023.

SCHEDULE - A

1. Progress on implementation of the project shall be reported to the Regional Office of T.S. Pollution Control Board once in six months.
2. Separate energy meters shall be provided for Air pollution Control equipments and effluent treatment plant to record energy consumed.
3. The proponent shall obtain Consents for Operation from TSPCB, as required Under Section 25/26 of the Water (P & C of P) Act 1974 and under Section 21/22 of the Air (P&C of P) Act 1981 before commencement of the activity including trial production.
4. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power under Section 27(2) of Water (Prevention and Control of Pollution) Act 1974 and under Section 21(4) of Air (Prevention & Control of Pollution) Act 1981 to review any or all the conditions imposed herein and to make such alternation as deemed fit and stipulate any additional conditions by the Board.
5. The Consent of the Board shall be exhibited in the factory premises at a conspicuous place for the information of the inspection officers of different departments.
6. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.
7. Floor washing shall be admitted into the effluent collection system only and shall not be allowed to find their way in storm drains or open areas. The applicant shall maintain good house keeping. All pipe valves, sewers and drains shall be leak proof. Dyke walls shall be constructed around storage of chemicals.
8. Rain Water Harvesting (RWH) structure(s) shall be established on the plant site. The proponent shall ensure that effluent shall not enter the Rain Water Harvesting structure.
9. There shall not be any perceptible odour outside the industry's premises.
10. The Rules and Regulations notified by Ministry of Law and Justice, GOI regarding the Public Liability Insurance Act, 1991 shall be followed.
11. The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the notification G.S.R.520 (E), dated 01.07.2003 under the Environment (protection) Amendment Rules, 2003 and G.S.R.448 (E), dated 12.07.2004 under the Environment (protection) second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the notification G.S.R.489 (E), dated 09.07.2002 at serial No.96, under the Environment (Protection) Act, 1986.
12. The industry shall comply with ambient air quality standards of PM₁₀ (particulate Matter size less than 10µm) – 100 µg/m³; PM_{2.5} (Particulate Matter size less than 2.5µm) – 60 µg/m³; SO₂ – 80 µg/m³; NO_x – 80 µg/m³, outside the factory premises at the periphery of the industry.
Standards for other parameters as mentioned in the National Ambient Air Quality Standards of CPCB Notification No.B29016/20/90/PCI-I, dated 18.11.2009 shall be complied.
The following noise level standards shall be complied:
Noise Levels : Day time (6 AM to 10 PM) - 75 dB (A)
Night time (10 PM to 6 AM) - 70 dB (A)
13. The industry shall provide a minimum stack height (H) to the DG sets as per the following formula.
$$H = h + 0.2 \sqrt{KVA}$$

KVA = Total generation capacity, h = Height of building where DG Set is installed.
14. All the rules and regulations notified by Ministry of Environment, Forests & Climate Change (MoEF&CC), Govt. of India in respect of noise pollution control measures shall be followed to avoid nuisance to public.
15. Telangana State Pollution Control Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions of this Order. Also the Board reserves the right to withdraw the CFE without any prejudice/ notice on receiving any complaints by the Board regarding Environmental Pollution problems caused by the industry.
16. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control acts.
17. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal to such authority (hereinafter referred to as the appellate Authority) constituted under Section 28 of the Water (Prevention and control of Pollution) Act, 1974 and section 31 of Air (Prevention and control of pollution) Act, 1981.

SCHEDULE - B

1. The industry shall pay the balance CFE fee as per G.O.M.S.No. 7, Dt: 08.02.2018 issued by EFS&T (For. 111) Dept immediately at RO, RC Puram with a copy marked to ZO, RC Puram, if any.
2. ~~This Order is valid for a period of five years from the date of issue.~~
3. The source of water is Bore well. The industry shall take steps to reduce water consumption to the extent possible and consumption shall not exceed the quantities mentioned below:

| Purpose | Quantity |
|-------------------------------------|----------|
| Wet Drilling operation | 1.0 KLD |
| Dust suppression & Water Sprinkling | 2.0 KLD |
| Domestic | 1.0 KLD |
| Green belt development | 1.0 KLD |
| Total | 5.0 KLD |

4. Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes mentioned below:
 - a. Industrial cooling, boiler feed.
 - b. Domestic purposes.
 - c. Processing, whereby water gets polluted and pollutants are easily bio-degradable.
 - d. Processing, whereby water gets polluted and the pollutants are not easily bio-degradable.

5. The maximum waste water generation shall not exceed the following:

| Purpose | Quantity | Point of final disposal |
|----------|----------|-----------------------------------|
| Domestic | 0.8 KLD | Septic tank followed by soak pit. |

6. The Solid wastes generated shall not exceed the following breakup quantities:

| Sl. No. | Description of the solid Waste | Quantity | Point of Disposal |
|---------|--------------------------------------|----------|---|
| 1. | Overburden / mine waste / waste rock | -- | Back filling of mines within the mine lease area. |

7. Wet drilling method shall be adopted to control dust emissions. While crushing heavy stones, heavy dust particulars might be released in to the air for control of pollution, effective wet dust suppressing measured at the crusher, screen, transfer and unloading points has to be taken up. Use of wet mesh is very much essential at the site of quarry and dyke wall shall be constructed around storage chemicals. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust.
8. The following measures shall be implemented to reduce the air pollution / noise pollution during the transportation of mineral.
 - The road shall be graded to mitigate the dust emissions.
 - Crusher platform will be covered with GI sheets to arrest the any dust.
 - Water shall be sprinkled at regular interval on the main haul road and other service roads by water sprinklers to suppress the dust emission. The workers employed shall be provided with protection equipment and earmuffs.
 - Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 KMPH to prevent undue noise from empty trucks.
9. Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and un-loading and at transfer points shall be provided and properly maintained.
10. The proponent shall take appropriate measure to ensure that GLC shall comply with the revised NAAW norms notified by MoE&F, GOI on 16.11.2009.
11. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.
12. Separate area shall be demarcated for overburden and refilling.
13. The following measures are to be adopted to control erosion of dumps:
 - a. Retention / toe walls shall be provided at the foot of the dumps.

- b. Worked out slopes are to be stabilized by planting appropriate shrub/grass species on the slopes.
14. Waste oils, used oils generated from the EM machines, mining operations, and shall be disposed as per the Hazardous waste and other waste (Management, Handling & Transboundary Movement) Rules, 2016 and amendment thereof.
 15. The proponent shall adopt eco-friendly mining practices.
 16. The industry shall earmark an area for location of dumping yard. The industry shall dispose the over burden from the mine in the dumping yard in a scientific manner.
 17. The solid waste generated shall be disposed in an environment friendly practice i.e., for back filling mined area or for any productive purpose.
 18. The industry shall construct garland drain and siltation ponds of appropriate size at working area to arrest flow of silt and sediment. The water collected should be utilized for watering the mine area, roads, greenbelt development etc.
 19. Fencing shall be provided around mining area to avoid accidents.
 20. The industry shall follow all the conditions stipulated by the Dept. of Mine Safety, Govt. of India with the native species in consultation with the local DFO/Agriculture Department.
 21. The industry shall not cause any air pollution / dust nuisance in the surrounding environment.
 22. The industry shall develop a minimum of 5mtrs width green belt all around the boundary of the unit and in vacant places with tall growing trees with wide leaf area. The area allocated for greenbelt shall not be less than 33 % of total area of industry.
 23. The industry shall not discharge any wastewater outside the plant premises under any circumstances.
 24. The industry shall provide water meters to measure the actual water consumption and waste water discharge and maintain a log register to record the readings.
 25. The industry shall maintain good house keeping within the plant premises.
 26. The following rules and regulations notified by the MoEF&CC, GOI shall be implemented.
 - a. Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016.
 - b. Manufacture, Storage and import of Hazardous Chemicals Rules, 1989.
 - c. Batteries (Management & Handling) Rules, 2001.
 - d. E-Waste (Management & Handling) Rules, 2016.
 - e. Plastic Waste (Management & Handling) Rules, 2016.
 27. The industry shall comply with all the directions issued by the Board from time to time.
 28. The Board reserves its right to modify above conditions or stipulate any additional conditions including revocation of this order in the interest of environment protection.
 29. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.


JOINT CHIEF ENVIRONMENTAL ENGINEER

To
Sri. G RamMohan Rao, Proprietor,
M/s GMR Rock Sand,
Building Stone & Road Metal Quarry,
Plot No: 595&596, Gaddam Residence,
Ayyapa society, Madhapur, Serilingampally (M),
Ranga Reddy District, Hyderabad.



TELANGANA STATE POLLUTION CONTROL BOARD

Zonal Office, 25-35/11, Tulasi Reddy Complex, 2nd Floor,
Opp. Govt. ITI College, R.C.Puram, Sangareddy District - 502 032.
Phone : 08455 280477, website: tspcb. cgg.gov.in

CONSENT ORDER FRESH - RED CATEGORY

BY REGISTERED POST WITH ACKNOWLEDGEMENT DUE

Consent Order No: TSPCB/ZO/RCP/RCPM/596/CFO/2018-645 Date: 19.04.2018.

(Consent Order for Existing/New or altered discharge of sewage and/or trade effluents/outlet under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and amendments thereof; Operation of the plant under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof.

CONSENT is hereby granted under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, under section 21 of Air (Prevention & Control of Pollution) Act 1981, (hereinafter referred to as 'the Acts', 'the Rules') and the rules and orders made thereunder to

M/s GMR Rock Sand,
Building Stone & Road Metal Quarry,
Sy. No. 89/AA1 (Patta land), Baswapur (V),
Mulugu (M), Siddipet District.

(hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below.

i) Outlets for discharge of effluents:

| Outlet No. | Outlet Description | Max Daily Discharge | Point of Disposal |
|------------|--------------------|---------------------|-----------------------------------|
| 1 | Domestic | 0.8 KLD | Septic tank followed by soak pit. |

ii) Emissions from chimneys:

| Chimney No. | Description of Chimney | Quantity of Emissions in m3/hr. at peak flow |
|-------------|------------------------|--|
| — | — | — |

This Consent Order is valid for manufacture of the following products along with quantities only.

| S. No. | Products | Quantity |
|--------|---|------------------------------|
| 1 | Quarrying of Building Stone & Road Metal (Lease Area of 3.0 Ha) | 80,000 M ³ /Annum |

Valid upto 19/4/2018 to 31/03/2023

This Order is subject to the provisions of 'the Acts' and 'the Rules' and Orders made there under and further subject to the terms and conditions incorporated in the Schedule A & B enclosed to this Order.

This Consent shall be valid for a period ending with the 31st day of March, 2023.

To
M/s GMR Rock Sand,
Building Stone & Road Metal Quarry,
Sy. No. 89/AA1 (Patta land), Baswapur (V),
Mulugu (M), Siddipet District.

[Signature]
JOINT CHIEF ENVIRONMENTAL ENGINEER



SCHEDULE - A

1. The applicant shall make applications through online for renewal of consent (under Water and Air Acts) and authorisation under HWM Rules atleast 4 months before the date of expiry of this consent order, along with prescribed fee under Water and Air Acts for obtaining Consent & HW authorisation of the Board along with detailed compliance report against the conditions stipulated in the CFO & HWA order issued.
2. The industry shall immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions etc.
3. a) All the fugitive emissions shall be controlled with proper measures.
b) The applicant shall also install the equipment such as wind speed recorder and wind direction recorder.
4. A good house keeping shall be maintained both within the factory and in the premises. All hoods, pipes, valves, sewers and drains shall be leak proof. Floor washings shall be admitted into the effluent collection system only and shall not be allowed to find their way into storm drains or open areas.
5. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & its amendments thereof.
6. The applicant shall comply with the directives/orders issued by the Board in this consent order and at all subsequent times without any negligence on his part. The applicant shall be liable for such legal action against him as per provisions of the Law/Act in case if non-compliance of any order/directive issued at any time and/or violation of the terms and conditions of this consent order.
7. The applicant shall furnish to the visiting officer and / or the Board any information regarding the construction, installation or operation of the effluent treatment system/ air pollution control equipment and such other particulars as may be pertinent for preventing and controlling pollution.
8. The industry is liable to pay compensation for any environmental damage caused by it, as fixed by the Collector and District Magistrate as Civil liability.
9. The industry shall provide a minimum stack height (H) to the DG sets as per the following formula.
$$H = h + 0.2 \sqrt{KVA}$$

KVA = Total generation capacity, h = Height of building where DG Set is installed.
10. All the rules & regulations notified by Ministry of Environment, Forests & Climate Change (MoEF&CC), Government of India in respect of management, handling, transportation and storage of hazardous chemicals and wastes shall be followed.
11. The industry shall carryout monthly environmental monitoring by a National Accreditation Board for Laboratories (NABL) and Ministry of Environment, Forests & Climate Change (MoEF&CC) approved laboratories only and shall submit monthly reports to the concerned Regional office by marking a copy to the Zonal Office.
12. The industry shall comply with emission limits for DG sets of capacity upto 800 KW as per the notification G.S.R.520 (E), dated 01.07.2003 under the Environment (protection) Amendment Rules, 2003 and G.S.R.448 (E), dated 12.07.2004 under the Environment (protection) second Amendment Rules, 2004. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the notification G.S.R.489 (E), dated 09.07.2002 at serial No.96, under the Environment (Protection) Act, 1986.

13. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 shall be followed.
14. The applicant shall at his own cost get the effluent samples collected both before and after treatment / samples of emissions collected and analysed from the TSPCB or any other Laboratories which are established as per the guidelines and norms of MoEF & CC, GOI and CPCB, New Delhi, every month for the parameters indicated in the Condition No.1 and condition No. 4 of Schedule B and shall submit in duplicate the report thereof to the Board.
15. The applicant shall provide appropriate Rain Water Harvesting systems on the available upstream portion of the plant site.
16. All Solid wastes arising in the premises shall be properly classified and disposed off to the satisfaction of the Board by:
 - i) Controlled incineration, wherever possible in case of combustible organic material.
 - ii) Vermiculture / composting, in case of biodegradable material.
 - iii) Secure land fill in case of non-biodegradable, chemically active/ hazardous solid waste. Care shall be taken to ensure that the material does not give leachate, which may percolate into ground water or carried away with storm run-off.
17. At any time during the inspection of Pollution Control Board Officers or any other licencing / servicing authorities / if it is observed that the industry is not complying with any of the above conditions leading to pollution problems, this consent is liable for cancellation without further notice and all the services rendered by the servicing departments shall be withdrawn without further notice.
18. All the rules & regulations notified by Ministry of Environment, Forests & Climate Change (MoEF&CC), Government of India in respect of microorganism, genetically engineered organisms or cells shall be followed.
19. The applicant shall exhibit the consent order of the board in the factory premises at a prominent place for the information of the inspecting officers of the different departments.
20. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves to it the right and power under Section 27(2) of the Water (Prevention & Control of Pollution) Act, 1974 and its amendments thereof and under section 21 of Air (prevention & Control of Pollution) Act, 191 and its amendments thereof to review any and / or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Act by the Board.
21. The applicant shall put up two black boards of size 6ft by 4ft at the main entrance to their plant. One board shall contain the specific CFE and CFO conditions, in sufficiently large font size so that it can be read easily from a distance of 10 ft to a normal eye, and other board shall carry, again in sufficiently large font size so as to be able to read from a distance of 10 ft, the latest Water, Air, Noise and solid waste monitoring data as well as the maximum vulnerable zone.
22. The industry may explore the possibility of tapping the solar energy for their energy requirements.
23. The following rules and regulations notified by the MoEF&CC, GOI shall be implemented.
 - a) Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016.
 - b) Manufacture, Storage and import of Hazardous Chemicals Rules, 1989.
 - c) Batteries (Management & Handling) Rules, 2001.

- d) E-Waste (Management & Handling) Rules, 2016.
- e) Plastic Waste (Management & Handling) Rules, 2016.

24. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules, 1982, to such authority (hereinafter referred to as the appellate Authority) constituted under Section 28 of the Water (Prevention and control of Pollution) Act, 1974 and section 31 of Air (Prevention and control of pollution) Act, 1981.
25. The Board reserves its right to modify above conditions or stipulate any additional conditions including revocation of this order in the interest of environment protection.
26. Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.

SCHEDULE - B

- 1) The industry shall pay the balance CFO fee as per G.O.M.S.No. 7, Dt:08.02.2018 issued by EFS&T (For: I I I) Dept immediately at RO, R.C.Puram with a copy marked to this office, if any.
- 2) The industry shall take steps to reduce water consumption to the extent possible and consumption shall NOT exceed the quantities mentioned below:

| S. No. | Water Consumption | Quantity |
|--------------|-------------------------------------|----------------|
| 1. | Wet Drilling Operations | 1.0 KLD |
| 2. | Dust Suppression & Water sprinkling | 2.0 KLD |
| 3. | Greenbelt | 1.0 KLD |
| 4. | Domestic | 1.0 KLD |
| Total | | 5.0 KLD |

- 3) The industry shall comply with ambient air quality standards of PM₁₀ (particulate Matter size less than 10 μ m) – 100 μ g/m³; PM_{2.5} (Particulate Matter size less than 2.5 μ m) – 60 μ g/m³; SO₂ – 80 μ g/m³; NO_x – 80 μ g/m³, outside the factory premises at the periphery of the industry.
Standards for other parameters as mentioned in the National Ambient Air Quality Standards of CPCB Notification No.B29016/20/90/PCI-I, dated 18.11.2009 shall be complied.
The following noise level standards shall be complied:
Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)
Night time (10 PM to 6 AM) - 70 dB (A)
- 4) The industry shall not manufacture new products / excess capacity beyond the permitted capacity mentioned in this order without obtaining CFE /CFO of the Board.
- 5) Wet drilling method shall be adopted to control dust emissions. While crushing heavy stones, heavy dust particulars might be released in to the air for control of pollution, effective wet dust suppressing measured at the crusher, screen, transfer and unloading points has to be taken up. Use of wet mesh is very much essential at the site of quarry and dyke wall shall be constructed around storage chemicals. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust.
- 6) The following measures shall be implemented to reduce the air pollution / noise pollution during the transportation of mineral.

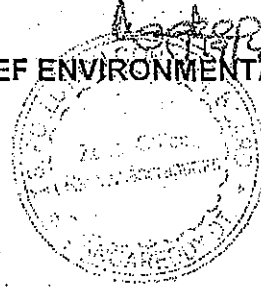
- The road shall be graded to mitigate the dust emissions.
 - Crusher platform will be covered with GI sheets to arrest the any dust.
 - Water shall be sprinkled at regular interval on the main haul road and other service roads by water sprinklers to suppress the dust emission. The workers employed shall be provided with protection equipment and earmuffs.
 - Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 KMPH to prevent undue noise from empty trucks.
- 7) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and un-loading and at transfer points shall be provided and properly maintained.
 - 8) The proponent shall take appropriate measure to ensure that GLC shall comply with the revised NAAW norms notified by MoE&F, GOI on 16.11.2009.
 - 9) Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.
 - 10) Separate area shall be demarcated for overburden and refilling.
 - 11) The following measures are to be adopted to control erosion of dumps:
 - a. Retention / toe walls shall be provided at the foot of the dumps.
 - b. Worked out slopes are to be stabilized by planting appropriate shrub/grass species on the slopes.
 - 12) Waste oils, used oils generated from the EM machines, mining operations, and shall be disposed as per the Hazardous waste and other waste (Management, Handling & Transboundary Movement) Rules, 2016 and amendment thereof.
 - 13) The proponent shall adopt eco-friendly mining practices.
 - 14) The industry shall earmark an area for location of dumping yard. The industry shall dispose the over burden from the mine in the dumping yard in a scientific manner.
 - 15) The solid waste generated shall be disposed in an environment friendly practice i.e., for back filling mined area or for any productive purpose.
 - 16) The industry shall construct garland drain and siltation ponds of appropriate size at working area to arrest flow of silt and sediment. The water collected should be utilized for watering the mine area, roads, greenbelt development etc.
 - 17) Fencing shall be provided around mining area to avoid accidents.
 - 18) The industry shall follow all the conditions stipulated by the Dept. of Mine Safety, Govt. of India with the native species in consultation with the local DFO/Agriculture Department.
 - 19) The industry shall develop greenbelt such that it shall not be less than 33% of total area, preferably along the all sides of industry site, with width of not less than 5 mtrs greenbelt.
 - 20) The industry shall install flow meters to measure the actual water consumption, waste water generated & disposed and maintain a log register to record the readings.
 - 21) The industry shall take all precautionary and safety measures during process operations.
 - 22) The industry shall maintain good house keeping within the plant premises.

- 23) The industry shall comply with all the directions issued by the Board from time to time.

The industry shall submit the condition wise compliance report of the conditions stipulated in Schedule A & B of this Order on half yearly basis to Board office, Hyderabad, Zonal Office RC Puram and concerned Regional office.

To
M/s GMR Rock Sand,
Building Stone & Road Metal Quarry,
Sy. No. 89/AA1 (Patta land), Baswapur (V),
Mulugu (M), Siddipet District.

JOINT CHIEF ENVIRONMENTAL ENGINEER





भारत सरकार
Govt. of India
अम एवं रोजगार मंत्रालय
Ministry of Labour & Employment
रखान सुरक्षा मन्त्रालय
Directorate-General of Mines Safety



NO: 518890/SCZ/Hyderabad Region No.II/Perm/2021/9002

Dhanbad, Date: 17/06/2021

प्रेषक:

Director of Mines Safety,
Hyderabad Region No.2,
C.G.O. Towers, 7th Floor, Room No.701,
Kavadiaguda, Secunderabad – 500 080.

To:

Shri G.Ram Mohan Rao, Owner,
GMR Rock Sand Stone Quarry,
Plot No.595 & 596, Gaddam Residency,
Ayyappa Society, Madhapur, Serilingampally,
Hyderabad – 500081.

Sub: Permission under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961, to work the mine by deploying of HEMMs and to conduct deep hole drilling & blasting at GMR Rock Sand Stone Quarry of M/s.GMR Rock Sand – Reg.

Dear Sir,

Please refer to your online application ID No.142788 dated 07.04.2021 enclosing therewith Surface plan No.ST.PLAN/2020/2 dated 15.11.2020 on the above subject.

The matter has since been examined in the light of what has been stated in your above application. In exercise of the powers conferred on the Chief Inspector of Mines (also designated as Director-General of Mines Safety) under the provisions of Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 and by virtue of the authorization granted to me by him under Section 6(1) of the Mines Act, 1952, I hereby grant permission and specify the following conditions governing to deploy heavy earth moving machinery for digging/excavation of Stone & Road Metal with a system of deep hole drilling & blasting at GMR Rock Sand Stone Quarry (at Sy. No.89/AA1, Baswapur Village, Mulugu Mandal, Siddipet District) of M/s.GMR Rock Sand, as shown in the above mentioned Surface plan enclosed with the application.

I. Except where otherwise provided all applicable provisions of the Metalliferous Mines Regulations, 1961 shall be strictly complied with.

1.0 Opencast Working:

1. Height and Width of Benches:

1.1.1 The height of benches in overburden, ore body or other rock formation shall not be more than 6mt or maximum digging height of the machine used for digging, excavation or removal, whichever is less.

1.1.2 Width of any bench shall not be less than – 30m

- width of the widest machine plying on the bench plus 2 m, or
- if dumpers ply on the bench, 3 times the width of the dumper, or
- the height of the bench, whichever is more.

1.1.3 When persons are employed at the working face, adequate precautions shall be taken to ensure their safety by dressing the sides of the bench.

1.1.4 Formation of benches shall be done from top downwards.

1.2 Roads for Trucks and Dumpers etc:

1.2.1 All roads for trucks, dumpers or other mobile machinery shall be maintained in good condition.

1.2.2 Wherever practicable, all roads from the opencast workings shall be arranged to provide one-way traffic. Where one-way traffic it is not practicable, no road shall be of width less than three times plus 5m width of the largest vehicle plying on road.

1.2.3 All corner and bends shall be made in such a way that operator of vehicle have clear view of distance of not less than 3 times the braking distance of largest HEMM working at 40Km/hour.

1.2.4 Where it is not possible to ensure a visibility for a distance as mentioned in clause (1.2.3), there shall be provided with two roads of width not less than 2 times plus 3m of largest vehicle plying on the road with a strong road divider at centre with adequate lighting and reflector along the divider.

1.2.5 Where any road existing above level of surrounding area it shall be provided with strong parapet wall/embankment of following dimensions:

- Width at top-not less than 1m.
- Width at bottom-not less than 2.5m.
- The height not less than the diameter of tyre of largest vehicle plying on road. It may be noted that just dumping of mud or OB shall not be treated as strong parapet wall.

1.2.6 No road shall have gradient more than 1 in 16. However, the ramps with 1 in 10 gradient shall not be for more than 100m at one stretch.

1.3 Supervision:

1.3.1 A person possessing First Class Mine Manager's Certificate of competency under Regulation MMR, 1961 shall be appointed as the manager of the mine to look after HEMM operation. These governing conditions shall stand revoked as soon as the qualified manager ceases to work at the mine. Use of HEMM shall be suspended in the absence of manager with aforesaid qualification.

1.3.2 During every production shift, the opencast workings shall be placed under the charge of an Assistant Manager and during maintenance shift, the workings shall be placed under the charge of a Foreman, who shall be responsible to see that all the regulations and orders made there under are strictly complied with.

1.3.3 Adequate number of supervisors including duly qualified Foremen and Mates shall be appointed in each working shift to assist the manager. Manager, Foreman and Mate shall be responsible to see that all the regulations and the orders made there under are strictly complied with.

1.3.4 The deep hole drilling and blasting shall be carried out under the personal supervision of the Assistant Manager. Blasting parameters of each blast with a sketch showing the drilling pattern and the holes charged shall be maintained in register kept for the purpose for each blast.

II- MACHINERY

1.0 DESIGN & MAINTENANCE OF MACHINERY & VEHICLES

Every Heavy Earth Moving Machinery shall be maintained in good and safe working condition.

1.1 Every Heavy Earth Moving Machinery shall be provided with efficient warning devices, adequate front and rear lights and efficient brakes. Every Dumpers/Truck shall be provided with Audio-Visual warning device, which shall be actuated automatically to produce both audible and visual warning system during reversal of vehicle and any other advanced mechanism like rear view mirror shall be provided

1.2 Every shovel shall be so designed as to afford the operator clear and uninterrupted vision all around

1.3 Operators cabin of every machine or vehicle shall be well designed and substantially built so as to ensure adequate protection to the operator against heat, dust, noise etc., and at the same time

provide adequate safety to the operator in the event of overturning of heavy earth moving machinery. A seat belt for the safety of the operator shall also be provided.

1.4 The code of instructions furnished by the manufacturers in the matter of maintenance of various machinery and vehicles and preventive maintenance schedules for each type of machinery and vehicle shall be strictly followed.

1.5 Every machine and vehicle shall be allocated at least one day in every week for maintenance. Before the machine or vehicle is sent out for work after maintenance, it shall be thoroughly inspected by the engineer, mechanical foreman or other competent person authorized by the Manager in writing, who shall satisfy himself that the machine or vehicle is mechanically sound and in efficient working order.

1.6 A report of every inspection made under clause (1.5) shall be recorded in a bound paged book kept for the purpose and shall be signed and dated by the person making the inspection and countersigned by the Engineer.

1.7 Every machine in use shall be thoroughly inspected once at least in every 24 hours by a competent person duly authorized by the Manager of the mine.

1.8 If the Engineer, Mechanical Foreman or other competent person making inspection, notices any defect in any machinery or vehicle, the said machinery or vehicle shall not be used until the defect has been remedied.

1.9 Any defect in a machinery or vehicle reported by its operator shall be promptly attended to.

1.10 Any machine or vehicle found to be in an unsafe operating condition shall be tagged at the operator's position "OUT OF SERVICE, DO NOT USE" and its use shall be prohibited until the unsafe condition has been corrected.

1.11 All repair to machinery or vehicle shall be done at a location, which will provide a safe place for the persons engaged on repairs.

1.12 Except for testing, trial, or adjustment, which must necessarily be done while the machine or vehicle is in motion, every machine or vehicle shall be shut down and positive means taken to prevent its operation while any repair or manual lubrication is being done.

1.13 Any machinery, equipment or part thereof which is suspended or held apart by use of slings, hoists, jacks shall be substantially blocked or cribbed before men are permitted to work underneath or between such machinery, equipment or part thereof.

1.14 Power shall be disconnected when repairs are made to any electrical machinery.

1.15 While inflating tyres of transport vehicles, suitable protective cages shall be used. Tyres shall never be inflated by standing/sitting either in the front or on the top of the same.

1.16 Only such fitters or mechanics, who possesses driving license under Motor Vehicles Act shall be authorized by the manager to test-run the HEMM.

1.17 The Brakes of all trucks-dumpers and other transport vehicles shall be tested atleast once in every fortnight by a competent person duly authorized by the Manager of the mine in manner detailed below:

Service Brake Test: The Service brake shall be tested with the vehicle is fully loaded condition on a specified gradient and speed. It shall stop within a specified distance by the manufacturer of the vehicle when the service brake is applied.

Parking Brake Test: The parking brake shall be capable of holding the truck/dumper/transport vehicle when is fully loaded and placed on maximum gradient of roadway which is permitted, for a period of atleast ten minutes

1.18 A record of all such test shall be maintained in a bound paged book kept for the purpose and shall be signed by the person carrying out the test and countersigned by the Engineer and Manager of the mine.

1.19 Every dumper/tipper/truck shall be provided with automatically operating audio-visual reversing alarm, which shall always be kept in working order.

1.20 No person shall be permitted to work on the chassis of truck or dumper with the body in a raised position until the truck or dumper body has been securely blocked in position. The mechanical hoist mechanism alone shall not be depended upon to hold the body of the truck or dumper in raised position.

2.0

DAILY EXAMINATION OF MACHINERY AND VEHICLE:

2.1 At the commencement of every shift, the Engineer or Mechanic or Foreman or other authorized competent persons shall personally inspect and test every machine and vehicle paying special

3.0

OPERATION OF MACHINERY:

- 2.1.1 That the brakes and the horn or other warning devices are in working order, if the vehicle machine is required to work after day light hours that the lights are in working order.
- 2.1.2 He shall not permit the vehicle or machine to be taken out for work nor shall he drive the vehicle unless he is satisfied that it is mechanically sound and in efficient working order.
- 2.1.3 He shall also maintain a record of every inspection in a bound paged book kept for the purpose. Every entry in the book shall be signed and dated by the person making the inspection.

4.0

DUTIES OF MACHINERY OPERATORS:

- 4.1 a) Every Heavy Earth Moving Machinery shall be under the charge of a competent person (herein called the 'operator') authorized in writing by the Manager.
- b) Operator/driver of each HEMM shall be selected from amongst persons possessing requisite qualifications. The selection process shall comprise a test to check driving/operating skill, aptitude, health and oral examination of the candidate by a competent selection committee. The selected person shall be trained and their competency shall be evaluated by a board constituted by the mining company.
- c) All operators of HEMM shall undergo regular checks to test their driving/operating skill, knowledge and health once in every five years.
- d) To prevent unauthorized driving, a system shall be evolved whereby the ignition key and/or cabin key always remain with the driver/operator or with specifically designated competent person.
- 4.2 At the commencement of every shift, the operator shall personally inspect and test the machine, paying special attention to the following details:
- 4.3 That the brakes and every warning device are in working order.
- 4.4 If it is required to work after the day light hours, all the lights on the vehicle are in working order.
- 4.4 Operator shall not take out the machine for work nor shall he work the machine unless he is satisfied that it is mechanically sound in efficient working order.
- 4.5 The operator shall not operate the machine when persons are in such proximity as to be endangered.
- 4.6 Operator shall not swing the bucket of a shovel over passing haulage units and other trucks are being loaded he shall swing over the body of the truck/dumper and not over the cab.
- 4.7 The operator shall not allow any unauthorized person to ride on the machine.

5.0 OPERATION OF THE TRUCKS-DUMPERS & OTHER TRANSPORT VEHICLES:

- 5.1 The Manager of the mine shall frame a Standard Operating Guidelines/Code of Practice for operation of trucks-dumpers and other vehicles on the following aspects and ensure its compliance.
- 5.2 No person shall be permitted to ride on the running board of a truck or dumper.
- 5.3 As far as possible, loaded dumpers or trucks shall not be reversed on gradients.
- 5.4 While reversing a vehicle at dump yard/stopping point suitable mechanism like stop blocks/earthen bund etc. shall be provided to prevent a vehicle from approaching towards edge of dump.
- 5.5 Standard traffic rules shall be framed and followed during movement of all trucks and dumpers. They shall be prominently displayed at the relevant places in the opencast workings and truck/dumper.

7.0
7.1

SPILL BANKS

- 7.2 The toe of the spill bank shall be designed and maintained scientifically.
- 7.3 A suitable fence shall be provided between any railway or public works or road or building or structure and the toe of an active spill-bank so as to prevent unauthorized persons from approaching the spill bank.
- 7.4 The toe of the spill bank shall not approach Railway or other public works, public road or building or other permanent structures not belonging to the owner of the mine closer than a distance equal to the vertical height of the spill bank.

and dumpers prominently displayed at the relevant places in the open-cast workings of the mine shall be complied with.

6.10 As far as possible loaded trucks or dumper shall not be reversed on gradient

6.9 The operator shall not allow any unauthorized persons to ride on the vehicle. He shall also not allow more than authorized number of persons to ride on the vehicle.

6.8 The operator shall see that the vehicle is not overloaded and that the material is not loaded in a dumper or truck so as to project horizontally beyond the sides of its body and that any material projecting beyond the front or rear is indicated by a red flag during day and a red light after day light hours.

6.7 The operator shall be sure of clearance before driving through tunnels, archways, plants, structures etc.

6.6 The operator shall not operate the truck or dumper in reverse unless he has a clear view of the area behind the vehicle. He shall give an audible warning signal before reversing a truck or dumper.

6.5 The operator shall sound the audible warning signal before while approaching 'blind' corners or any other points from where persons may walk in front unexpectedly.

6.4 Before crossing a road or railway line, he shall reduce his speed, look in both directions along the road or railway line, and shall proceed across the road or line only if it is safe to do so.

6.3 When approaching stripping equipment, the driver of the dumper/truck shall sound the audible warning signal and shall not attempt to pass the stripping equipment until he has received a proper audible signal in reply.

6.2 He shall not drive too fast, shall avoid distraction, and shall drive defensively. He shall not attempt to overtake another vehicle unless he can see clearly far enough ahead to be sure that he can pass it safely. He shall also sound the audible warning signal before overtaking.

- That brakes and every warning device are in working order; and
- If the machine is required to work after day-light hours, that lights are in working order.
- He shall not take out the machine for work nor shall he operate the machine unless he is satisfied that it is mechanically sound and in efficient working order.

6.1 At the commencement of every shift, the operator shall also personally inspect and test the machine, paying special attention to the following details:

DUTIES OF TRUCK/DUMPER OPERATORS:

- 5.8 While vehicle is being loaded/unloaded on a gradient, the same shall be secured on a stationary position by parking brake and any other suitable mechanism.
- 5.7 No unauthorized person shall be permitted to enter or remain in any dumping yard or turning points.
- 5.6 When not in use every truck or dumper or other transport vehicle shall be moved to and parked at proper parking places.
- 5.5 When not in use every truck or dumper or other transport vehicle shall be moved to and parked at roads.

7.4 No person shall, or shall be permitted to approach the toe of an active spoil bank where he may be endangered from material rolling down the face.

8.0 ADDITIONAL DUTIES ENGINEER IN CHARGE OF MACHINES AND VEHICLES IN OPENCAST WORKINGS:

8.1 During each shift the machines and vehicles at work shall be placed under the charge of qualified and experienced Engineer to effect inspection, examination, safe operations and maintenance of the machines and vehicles. During his shift the competent shall;

- inspect, examine machines, equipments and vehicles satisfy himself that they are in sound and safe working order;
- not allow any machine and vehicles to be used, if it is found defective;
- ensure that every machines and vehicles used is in a safe and efficient order;
- ensure that each operation, activity is carried on in safe and efficient manner.

9.0 Precautions while Drilling:

9.1 The position of every shot-hole to be drilled shall be distinctly marked by the mine Foremen so as to be readily seen by the drillers.

9.2 No person shall be permitted to remain within a radius of 20m or within 60m on the same bench where charging of holes with explosives is being carried out.

10.0 Transport of Explosives:

10.1 Where explosives are transported in bulk, the following precautions shall be taken:

10.1.1 Transport of explosives from the magazine to the priming station or the site of blasting shall not be done except in original wooden or cardboard packing cases. The quantity of explosive transported at one time to the site of blasting shall not exceed the actual quantity required for use in one round of shots. Explosives shall be transported to the site of blasting not more than 90 minutes before the commencement of charging of the holes.

10.1.2 No mechanically propelled vehicle shall be used for the transport of explosives unless it is of a type approved in writing by the Chief Inspector.

10.1.3 Every vehicle used for transportation of explosive shall be marked or placarded on both sides and ends with the word 'Explosives' in white letters not less than 15 cm high on a red background.

10.1.4 Every mechanically propelled vehicle transporting explosives shall be provided with not less than two fire extinguishers (one of carbon tetrachloride type for petroleum fire and the other of carbon dioxide under pressure type for electrical fire) suitably placed for convenient use.

10.1.5 The vehicle used for transport of explosives shall not be overloaded and in no case shall the explosive cases be piled higher than the sides of its body.

10.1.6 Explosives and detonators shall not be transported in the same vehicle, at the same time.

10.1.7 No persons other than the driver and his helper shall ride on a mechanically propelled vehicle used for transport of explosives.

10.1.8 A vehicle loaded with explosive shall not be left unattended.

10.1.9 Engine of a vehicle transporting explosives shall be stopped and the brakes set securely before it is unloaded or left standing.

10.1.10 A vehicle transporting explosives shall not be driven at a speed exceeding 25 kilometers per hour.

10.1.11 A vehicle loaded with explosives shall not be taken into garage or repair shop and shall not be parked in a congested place.

10.1.12 A vehicle transporting explosives shall not be re-fuelled except in emergencies and only when its engine is stopped and other precautions taken to prevent accidents.

10.1.13 No trailer shall be attached to a vehicle transporting explosives.

10.1.14 Every vehicle used for the transport of explosives shall be carefully inspected once in every 24 hours by a competent person to ensure that:

- fire extinguishers are filled and in place;
- the electric wiring is well-insulated and firmly secured;
- the chassis, engine and body are clean and free from surplus oil and grease;
- the fuel tank and feed lines are not leaking; and
- lights, brakes and steering mechanism are in good working order.

10.1.15 Report of every inspection made under clause (10.1.14) shall be signed and dated by competent person making the inspection.

10.1.16 All operations connected with transport of explosives shall be conducted under the personal supervision of a Foreman in charge of blasting operations at the mine.

10.1.16 The blaster shall personally search every person engaged in the transport and use of explosives and shall satisfy himself that no person so engaged has in his possession any cigarette, 'biri' or other smoking apparatus, or any match or any other apparatus of any kind capable of producing a light, flame or spark.

11.0 Precaution during Firing:

11.1 Shots shall not be fired except during hours of day-light. All holes charged on any one day shall be fired on the same day.

11.2 As far as practicable, shot firing shall be carried out either between shifts or during the rest interval, or at the end of work for the day.

11.3 During the approach and progress of an electric storm, the following precautions shall be taken:

- no explosive, particularly detonators, shall be handled;
- if charging operations have been commenced, the work shall be discontinued until the storm has passed;
- if the blast is to be fired electrically, all exposed wires shall be coiled up and if possible placed in the mouth of the holes, or kept covered by something other than a metal plate/conductive material;
- all wires shall be removed from contact with the steel rails or a haulage track so as to prevent the charge being exploded prematurely by a local strike of the lightning.

11.4 The danger zone shall be distinctly demarcated (by means of red flags properly arranged and supported) before charging of holes is to commence.

11.5 Before firing, a siren installed for the purpose shall be blown three times for one minute each at intervals of one minute; and no shots shall be fired unless the blasting foreman with assistance of sufficient number of persons appointed in writing by the manager for the purpose has ensured that all persons have left the danger zone or have taken adequate shelter.

11.6 No shot shall be fired when there is traffic on any road or railway track within the danger zone.

12.0 A separate permission under Regulation 164(1A)(b) and 164(1B)(a) of the Metalliferous Mines Regulations, 1961 shall be obtained if blasting is carried out within the danger zone of the surface structures not belonging to the Owner.

13.0 The Management shall indemnify the occupants/owners of the houses/dwellings/buildings or other structures of public authority concerned, if any, against the dangers to those properties or injury to them or other persons arising out of operations conducted under this permission.

14.0 PRECAUTIONS AGAINST FIRE:

Arrangements for fighting fire shall be provided on all Heavy Earth Moving Machinery. Such arrangements shall, if possible, operate automatically on appearance of fire.

15.0 INUNDATION:

15.1 No extraction shall be done within 15m of the surface tanks, river, nallah, streams or the water bodies till a special permission to that effect is obtained from this Directorate.

15.2 An embankment upto a height of 3.0m above the HFL of the river/nallah, if any flowing near the mine, shall be constructed. The top of the embankment shall be at least 3.0m wide and river side shall be pitched with stone. At every 10m on the top of the embankment, it's Reduced Levels shall be marked.

15.3 The HFL shall be continuously monitored and shall be updated in the plans prepared accordingly.

16.0 GENERAL LIGHTING:

Efficient lighting arrangements not below the standards prescribed in DGMS Circulars/Orders, etc., shall be provided and maintained in the mine.

16.1 Where natural lighting is insufficient, adequate general lighting as per the standards laid down in Notification No. GSR 618(E) dated 28.04.2017, published in the Gazette of India dated 21.06.2017, Part-II- Section 3(i) (reproduced in DGMS (Legis) Circular No.3 of 2017 dated 06.11.2017), issued under Regulation 148(2) shall be provided during working hours at different places/areas in the opencast mine.

16.2 For proper inspection of the high sides and benches of the opencast workings at night, suitable searchlights shall be provided.

16.3 No mining operations shall be carried unless a proper illumination as per DGMS (Legis) Circular No.3 of 2017 dated 06.11.2017 is provided.

17.0 GENERAL:

17.1 Tractor-trailer combination shall normally not be allowed on haul roads. (Where inevitable, only four wheeler trailers with separate brakes of their own shall be used.

17.2 Trucks, tippers and other heavy vehicles, not belonging to management shall not be allowed in the mine premises without a valid pass issued by the competent authority of the mine. Before the pass is issued the mine engineer/competent person shall check the roadworthiness of such vehicle. In order to check the entry of such vehicle in the mine premises, properly manned check gate shall be provided at the mine entrance where the record of entry & exit of each vehicle shall be maintained. At the check gate the license of the drivers shall also be checked for eliminating the possibility of unlicensed persons driving the vehicle.

17.3 Persons engaged in surface operation and in particular, the contractor's workers shall be provided closer and competent supervision.

17.4 All persons engaged at any work within the mine premises through the contractors shall be provided with relevant training and other job related briefings and it shall be ensured that the drivers of the vehicle belonging to contractors entering the mine premises have additionally been explained the salient provisions of "Traffic Rules".

17.5 Each and every operation, including the operation carried out through contractor's worker or by outside agency, shall be placed under the charge of a competent supervisor, duly appointed and authorized by the manager.

17.6 Manager shall frame Safe Operating Procedure (SOP) for each operation/equipment and copy of it shall be handed over to all concerned. It shall be the duty of all statutory persons to enforce the SOPs so framed.

18.0 All the precautions and directives given in DGMS circulars issued from time to time shall be compiled with.

19.0 The Owner, Agent and Manager shall ensure that the aforesaid conditions are made known to all concerned. They shall also ensure that every such person has fully understood the same and complies with them.

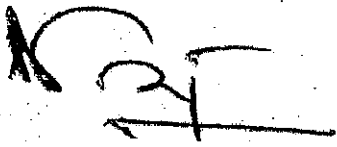
20.0 In the event of any change in the circumstances connected with the use of HEMMs which is likely to endanger the life of workmen employed in the mine, operations for which these conditions have been imposed shall be stopped forthwith and intimation thereof shall be sent to this Directorate. The said mining operation shall not be resumed without an express and fresh authority to that effect in writing from this Directorate.

21.0 These governing conditions may be amended or withdrawn at any time should it be considered necessary in the interest of safety.

22.0 This permission is being issued specifically under the regulations mentioned above and without prejudice to any other provision of law, which may be or may become applicable at any time.

23.0 This permission is valid for a period of five years from the date of issue of this letter. Fresh application shall be made three months prior to the expiry of the permission.

Your Faithfully



MOHAMMED NIYAZI (DIRECTOR - HYDERABAD REGION NO.II)

THIS IS A SYSTEM GENERATED DOCUMENT, DOES NOT REQUIRE ANY SIGNATURE.