

**ANNEXURE III FOR THE PROJECT RAJANKA LIMESTONE MINE (MAIN LEASE)**

Financial Year	Mining Lease Detail (Initial, Renewal, Transfer (with date & Validity	EC Details Capacity (Tonne), dated, Letter No. amendment etc.	Details of Forest Clearance	Consent to Establish	CTO under Air Act (Date, validity, Capacity)	CTO under Water Act (Date, validity, Capacity)	Mining Plan/Mining Scheme		* DMG Certified Production (in Tonnes)	Remarks Common production from F&F2
							Proposed Production (Tonne)	Achieved Production (Tonne)		
1992-1993		As per EC granted vide No.J-11015/129 /2001-IA.II(M) dated 28.12.2004 for expansion from 0.45 MTPA to 2.11 MTPA hence Capacity of mine considered as 0.45 MTPA	Not Applicable	-	Mine was operational since 1992-1993 till obtaining the environmental clearance on 28.12.2004 by obtaining NOC from Jharkhand Pollution control Board. Copies of NOC are not presently available FROM 1992-93 till 2001-02. After obtaining the EC the mine is being operated regularly after obtaining CTE and CTO			66034.58	<b>430699.25</b>	
1993-1994				-		-	45352.59	<b>397162.84</b>		
1994-1995				-		<b>450000</b>	<b>478000</b>	42909.29	<b>478518.42 (common mine plan)</b>	
1995-1996				-		<b>450000</b>	<b>479000</b>	34807.68	<b>479294.77(common mine plan)</b>	
1996-1997				-		<b>450000</b>	<b>487000</b>	21999.69	<b>487193.32(common mine plan)</b>	
1997-1998				-		<b>450000</b>	<b>452000</b>	29047.43	<b>452299.63(common mine plan)</b>	
1998-1999				-		<b>450000</b>	<b>Not Available</b>	104773.35	<b>348140.52(common mine plan)</b>	
1999-2000				-		<b>451000</b>	<b>4,36,080</b>	123099.48	<b>436079.7(common mine plan)</b>	
2000-2001				-		<b>440000</b>	<b>3,66,246</b>	111502.04	<b>345188.49(common mine plan)</b>	
2001-2002				-		<b>454000</b>	<b>4,24,207</b>	49095.59	<b>424206.6(common mine plan)</b>	

2002-2003			CTE was granted vide by Jharkhand State Pollution Control Board vide letter no 189 dated 11.01.2003	Emission Consent issued vide letter no JA/2502/A/C-J21 dated 24.10.03 and valid from 01.01.2003 to 31.12.2003	Discharge Consent issued vide letter no JA/2500/W/6017 dated 22.10.2003 and valid from 28.12.2002 to 31.12.2003	<b>49000</b>	<b>48889</b>	48888.76	
2003-2004				Emission Consent issued and valid from 01.01.2003 to 31.12.2003	Discharge Consent issued and valid from 28.12.2002 to 31.12.2003	<b>37000</b>	<b>56228</b>	56228.11	
2004-2005				Emission Consent issued vide letter no JA/2502/A/C139 dated 25.02.2005 and valid from 01.01.2004 to 31.12.2004	Discharge Consent issued vide letter no JA/2500/W/C-139 dated 25.02.2005 and valid from 01.01.2004 to 31.12.2004	<b>349000</b>	<b>22716.3</b>	53617.21	
2005-2006				Emission Consent issued vide letter no JA/2502/A/C-20 dated 25.01.2006 and valid from 01.01.2005 to 31.12.2005	Discharge Consent issued vide letter no JA/2500/W/C-21 dated 25.01.2006 and valid from 01.01.2005 to 31.12.2005	<b>1620000</b>	<b>Not Available</b>	529239.75	
2006-07				Application was submitted on 20.12.2006	Discharge Consent issued vide letter no JA/2500/W/C-469	<b>1622000</b>	<b>Not Available</b>	917712.56	

2007-2008		
2008-2009		
2009-2010		
2010-2011		

		dated 17.11.2006 and valid from 01.01.2006 to 31.12.2006				
	Application was submitted on 30.11.2007	For continuation of discharge under Water Act, CTO has applied vide application no CH/ENV/0104 dated 20.12.2006 for one year i.e from 01.01.2007 to 31.12.2007	<b>1696000</b>	<b>Not Available</b>	1048264	
	Application was submitted on 23.11.2009	For continuation of discharge under Water Act, CTO has applied vide application no CH/ENV/003505 dated 30.11.2007 for one year i.e from 01.01.2008 to 31.12.2008	<b>2100000</b>	<b>Not Available</b>	1337883	
	NOT AVAILABLE		<b>2059000</b>	<b>Not Available</b>	1196596	
		For continuation of discharge under Water Act, CTO has applied vide application no CH/ENV/001883 dated 23.11.2009 for one year i.e from 01.01.2010 to 31.12.2010	<b>1150000</b>	<b>1459574</b>	1459574	

2011-2012			Combined CTO under Air and Water Act for 2.11 MTPA issued by JSPCB vide letter no 1546 dated 11.06.2011. Valid from 01.01.2011 to 31.12.2011	<b>1150000</b>	<b>1584948</b>	1584948	
2012-2013			Combined CTO under Air and Water Act for 2.11 MTPA issued by JSPCB vide letter no PC/JSR/Air/R-24/03-1139 dated 09.04.2012 and valid from 01.01.2012 to 31.12.2012	<b>1090000</b>	<b>1291891</b>	1291891	
2013-2014			For continuation of emission under Air Act, CTO has applied vide application no CH/ENV/CTO/RL M-E 01/12 dated 29.08.2012 for one year i.e from 01.01.2013 to 31.12.2013	<b>1090000</b>	<b>1227516</b>	1227516	
2014-2015			For continuation of emission under Air Act and discharge under water act, CTO has applied vide application no CH/ENV/CTO/RLM-E&D-2014 dated 23.08.2013 for one year i.e from 01.01.2014 to 31.12.2014	<b>1100000</b>	<b>475255</b>	475255	
2015-2016			For continuation of emission under Air Act and discharge under water act, CTO has applied vide application no CH/ENV/CTO/RLM-E&D-2014/000753 dated 21.08.2014 for one year i.e from 01.01.2015 to 31.12.2015	<b>1154000</b>	<b>622000</b>	621799	
2016-2017			Combined CTO under Air and Water Act for 2.11 MTPA issued by JSPCB	<b>2020150</b>	<b>1093050</b>	1093050	

2017-2018	ML of Main Lease and F2 Lease renewed, executed and registered on 17.10.2017 and 28.08.2017 respectively upto 31.03.2030		vide letter no G-1090 dated 18.04.2016. Valid till 31.12.2018	<b>206300.80</b>	<b>1158000</b>	1158099	
2018-2019			Applied for CTO under Air and Water Act through JSPCB online Portal.	<b>1657000</b>	<b>1245000</b>	1245379	
2019-20			Granted vide letter no JSPCB/HO/RNC/CTO-3447382/2019/1461 dated 17.07.2019 and valid upto 31.12.2020	<b>1623000</b>	<b>782565</b>	-	
2020-21			Granted vide letter no JSPCB/HO/RNC/CTO-8734696/2021/1182 dated 28.09.2021 and valid upto 31.12.2022	<b>1300000</b>	<b>321157</b>	-	

**ENCLOSURE 1- COPY OF LEASE DOCUMENTS**

**ENCLOSURE 2- COPIES OF CTE AND CTO**

**ENCLOSURE 3- RELEVANT PAGES OF MINING PLAN**

**ENCLOSURE 4- AUTHENTICATED PAST PRODUCTION BY DMO**

**ENCLOSURE 5- COPY OF EC LETTER**

## **ENCLOSURE 1- LEASE DEED DOCUMENT**

- a- ORIGINAL LEASE (18.01.1971)
- b- FIRST RENEWAL APPLICATION DATED (22.12.1989) DULY RECEIVED BY DISTRICT MINES OFFICER GOVT. OF BIHAR
- c- SECOND RENEWAL FORM D DATED (01.12.2009) AND FORM J DATED (12.11.2009)
- d- SUPPLEMENTARY LEASE DEED GRANTED ON 23.09.2017 VALID UPTO 31.03.2030

4005

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पाँच सौ रुपये FIVE HUNDRED RUPEES

32(x)(iv) and 30(d) कागद 28 (नर 27 मर 75)

MINING LEASE

946-00000

THIS INDENTURE made this 18<sup>th</sup> day of

1971 BETWEEN THE GOVERNOR OF BIHAR (hereinafter referred to as the "State Government" which expression shall where the context so admits be deemed to include his successors and assigns) of the one part and THE ASSOCIATED CEMENT COMPANIES LIMITED, a company registered under the Indian Companies Act, 1913 and having its registered office at 121, Maharshi Karve Road, Bombay - 20 (hereinafter referred to as "the lessees" which expression shall where the context so admits be deemed to include its successors and permitted assigns) of the other part.

WHEREAS the lessees have applied to the State Government in accordance with the Mineral Concession Rules, 1960 (hereinafter referred to as the said Rules) for a mining lease for Limestone in respect of the lands described in Part I of the Schedule hereunder written and have deposited with the State Government the sum of Rs. 1,000/- as security and the sum of Rs. Nil for meeting the preliminary expenses for a mining lease and whereas the lessee is in possession of a valid certificate of approval and Income-tax Clearance Certificate.

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8222.00  
2.00  
82.00  
8222.00  
L.P.S. Singh  
MANAGER  
CHAIBASA CEMENT WORKS



Total value of Stamps Purchased  
Sold to P. O. Chhindrapur, Dist. Singhbhum, Bihar.

INDIA NON JUDICIAL

400 रु.

RS 500

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WITNESSETH that in consideration of the rents and royalties covenants and agreements by and in these presents and the schedule hereunder written reserved and contained and on the part of the lessees to be paid observed and performed, the State Government hereby grants and demises unto lessees.

All those the mines beds/veins seams of limestone (here state the mineral or minerals) (hereinafter and in the schedule referred to as the said minerals) situated lying and being in or under the lands which are referred to in Part I of the said schedule, together with the liberties, powers and privileges to be exercised or enjoyed in connection herewith which are mentioned in Part II of the said Schedule subject to the restrictions and conditions as to the exercise and enjoyment of such liberties, powers and privileges which are mentioned in Part III of the said Schedule EXCEPT and reserving out of this demise unto the State Government the liberties, powers and privileges mentioned in Part IV of the said Schedule TO HOLD the premises hereby granted and demised unto the lessees from the First day of January 1971 for the term of Twenty years thence next ensuing HELDING AND PAING

CHAIBASA CEMENT WORKS  
MANAGER  
L. S. Bhatnagar

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for Rs. 500/- Total value of Stamps Purchased  
Sold to P. Chandrapur, Dist. Singhbhum, Bihar.  
Chaibasa Cement Works

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therefore unto the State Government the several rents and royalties mentioned in Part V of the said Schedule at the respective times therein specified subject to the provisions contained in Part VI of the said Schedule and the lessees hereby covenant with the State Government as in Part VII of the said Schedule is expressed and the State Government hereby covenants with the lessees as in Part VIII of the said Schedule as expressed AND it is hereby mutually agreed between the parties hereto as in Part IX of the said Schedule is expressed.

IN WITNESS WHEREOF these presents have been executed in manner hereunder appearing the day and year first above written.

The Schedule above referred to

PART I

The area of this lease

All that tract of lands situated in the villages of Rajanka, Kondwa, Durirta, etc. etc. in Thana Kolhan in Singhbhum District bearing Cadastral Survey Nos. as per schedule attached containing an area of 598.88 hectares or 1479.90 acres or thereabouts delineated on the plan hereto annexed and thereon ~~delimited~~ delineated by red lines and bounded as follows :-

L.B. Arzate  
MANAGER  
CHAIBASA CEMENT WORKS



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On the North by )	As per boundaries given in the attached Schedule of the area.
On the South by )	
On the East by )	
and )	
On the West by )	

hereinafter referred to as "the said lands".

PART II

Liberties, Powers and Privileges to be exercised and enjoyed by the Lessees subject to the restrictions and conditions in Part III

1. Liberty and power at all times during the term hereby

To enter upon land and search for, win work etc.	demised to enter upon the said lands and to search for mine bore dig drill or win work dress process convert carry away and dispose of the said mineral.
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2. Liberty and power for or in connection with any of

To sink, drive and make pits, shafts and inclines etc.	the purposes mentioned in this part to sink drive make maintain and use in the said lands any pits shafts inclines drifts levels waterways airways and other works (and to use maintain deepen or extend any existing works of the like nature in the said lands).
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by Mr. Arjun  
 MANAGER  
 CHAIBASA CEMENT WORKS

Chief Mining Officer  
 Singhbhum District



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

4. Liberty and power for or in connection with  
To make roads and ways any of the purposes mentioned in  
etc. and use existing roads and ways. this part to make any tramways,  
railways, roads, aircraft landing grounds and other ways in  
or over the said lands and to use maintain and go and repass  
with or without horses cattle wagons aircrafts locomotives  
or other vehicles over the same (or any existing tramways  
railways roads and other ways in or over the said lands)  
on such conditions as may be agreed to.

5. Liberty and power for or in connection with  
To get building and road materials, etc. any of the purposes mentioned in  
this part to quarry and get stone  
gravel and other building and road materials and clay and  
to use and employ the same and to manufacture such clay  
into bricks or tiles and to use such bricks or tiles but not

L. S. Arjole

MANAGER

CHATEASA CEMENT WORKS

District Mining Officer,  
Inghbhara, Chaitanya.



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to sell any such material bricks or tiles.

6. Liberty and power for or in connection with

To use water from streams etc.

any of the purposes mentioned in

this part but subject to the rights

of any existing or future lessees and with the written permission of the Deputy Commissioner to appropriate and use water from any streams water-courses, springs or other sources in or upon the said lands and to divert step up or dam any such stream or water course and collect or impound any such water and to make construct and maintain any water-course culverts drains or reservoirs but not as to deprive any cultivated lands, villages, buildings or watering places for livestock of a reasonable supply of water as before accustomed nor in any way to foul or pollute any streams or springs. Provided that the lessees shall not interfere with the navigation in any navigable stream nor shall divert such stream without the previous written permission of the State Government.

7. Liberty and power to enter upon and use a

To use land for stacking heaping depositing purposes.

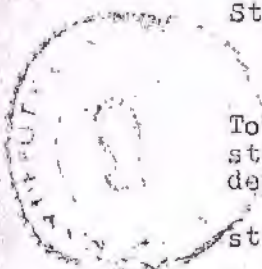
sufficient part of the surface of the said lands for the purpose of

stacking heaping storing or depositing therein any produce

*L.B. Raju*  
MANAGER  
CHAIKASA CEMENT WORKS

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District Mining Office  
Bilghbhuni, Chalbasa.



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of the mines or works carried on and any tools equipment earth and materials and substances dug or raised under the liberties and powers mentioned in this part.

8. (a) Liberty and power to enter upon and use a Beneficiation and conveying away of production. sufficient part of the said lands to beneficiate any ore produced from the said lands and to carry away such beneficiated ore.

9. Liberty and power for or in connection with any To clear brushwood and to fell and utilise trees, etc. of the purposes mentioned in this part and subject to the existing rights of others and save as provided in clause 3 of Part III of this Schedule to clear undergrowth and brushwood and to fell and utilise any trees or timber standing or found on the said lands provided that the State Government may ask the lessees to pay for any trees or timber felled and utilised, by them at the rates specified by the Deputy Commissioner or the State Government.

*L.P. Arjate*  
MANAGER  
CHAIKASA CEMENT WORKS

*Arjate*  
District Mining Officer  
Singhbhum, Chhatgarh.



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PART III

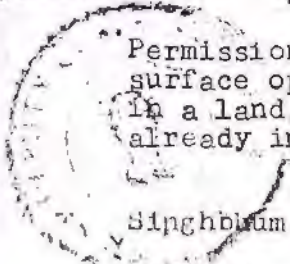
Restrictions and Conditions as to the exercise of the Liberties Powers and Privileges in Part II.

1. No building or thing shall be erected set up or placed and no surface operations shall be carried on in or upon any public pleasure ground burning or burial ground or place held sacred by any class of persons or any house or village site public road or other place which the State Government may determine as public ground nor in such a manner as to injure or prejudicially affect any buildings works property or rights of other persons and no lands shall be used for surface operations which is already occupied by persons other than the State Government for works or purposes not included in this lease. The lessees shall not also interfere with any right of way, well or tank.

2. Before using for surface operations any land which has not already been used for such operations, the lessees shall give to the Deputy Commissioner, Singhbhum District two calendar months previous notice in writing specifying the name or other description of the

*L.S. Rajak*  
MANAGER  
CHAIBASA CEMENT WORKS

*Singh*  
District Mining Officer  
Singhbhum, Chalkera.



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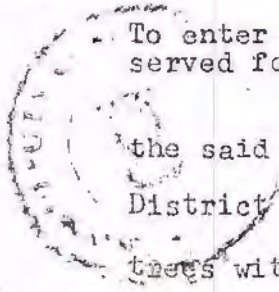
situation and the extent of the land proposed to be so used and the purpose for which the same is required and the said land shall not be so used if objection is issued by the Deputy Commissioner within two months after the receipt by him of such notice unless the objections so stated shall on reference to the State Government be annulled or waived.

3. The lessees shall not without the express sanction To cut trees in of the Deputy Commissioner cut down or unreserved lands. injure any timber or trees on the said lands but may without such sanction clear away any brushwood or undergrowth which interferes with any operations authorised by these presents. The Deputy Commissioner or the State Government may require the lessees to pay for any trees or timber felled and utilised by them at the rates specified by the Deputy Commissioner of the District.

4. Notwithstanding anything in this Schedule To enter upon re- contained the lessees shall not enter served forests. upon any reserved forest included in the said lands without previous sanction in writing of the District Forest Officer nor fell cut and use any timber or trees without obtaining the sanction in writing of that Officer

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MANAGER  
CHAMBASA CEMENT WORKS

*[Signature]*  
District Mining Officer  
Raichur, Chalkhan.





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nor otherwise than in accordance with such conditions as the State Government may prescribe.

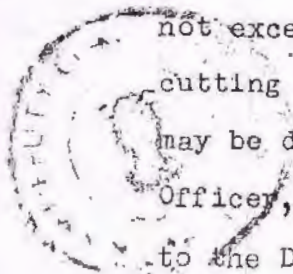
(1) The Mining lessee or its agents and workmen shall after the Divisional Forest Officer's permission has been accorded under clause 4 Part III of the form for mining lease, have the right and liberty at all times to enter upon any part of the private protected forest or reserved forest or Government Protected Forest under its lease without let or hindrance for purpose of prospecting, quarrying, but he shall do nothing in respect of any forest produce nor shall disturb the surface in any way except as hereinafter provided.

(11) Where prospecting, quarrying or mining operation does not involve the clearing or cutting of any forest growth it may be done without the permission of or without reference to the Forest Officer.

(111) Where prospecting, quarrying or mining involves clearance of undergrowth such as shrubs or bushes over an area not exceeding one-tenth of an acre, but does not involve the cutting of any tree or poles or sapling or bamboo, the clearance may be done without the permission of the Divisional Forest Officer, but a report thereof shall immediately be submitted to the Divisional Forest Officer. This right of the lessee to clear the bushes and shrubs shall be exercised only

*L.B. Roy*  
MANAGER  
CHAIBASA CEMENT WORKS

*Divisional Mining Officer,  
Singhbhum, Chaibasa.*





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once in every year.

(iv) Where prospecting, mining or quarrying may necessitate clearance of undergrowth over an area exceeding one-tenth of an acre or the cutting down of trees or poles or sapling or bamboo, the previous permission in writing of the Forest Officer shall be necessary, and the clearance shall not be done or the trees or poles or sapling or bamboos shall not be cut until these have been marked by the Forest Department for felling and the royalty thereof assessed and paid.

PROVIDED that in case of the Forest Officer decides to refuse such permission, he shall consult the Mining Officer of the District before doing so and if they agree, the permission may be refused, but if they ~~disagree~~ disagree the matter may be referred to the Chief Conservator of Forests, Bihar who will consult the Chief Mining Officer, Bihar and both of them agree the permission may be refused. But if the Chief Conservator of Forests and Chief Mining Officer disagree the matter should be referred to the Government for orders.

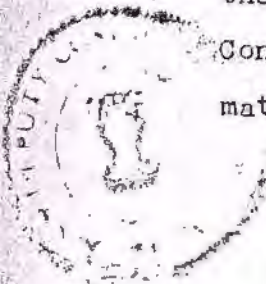
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L.P. Singh

MANAGER

CHAIBASA CEMENT WORKS

Mining Officer,  
Bhagalpur, Chaitanya





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and otherwise than in accordance with such instructions restrictions and conditions either general or special which may be attached to such permission. The said distance of 50 metres shall be measured in the case of railway reservoir or canal horizontally from the outer toe of the bank or the outer edge of the cutting as the case may be and in case of a building horizontally from the plinth thereof. In the case of village roads no working shall be carried on within a distance of 10 metres of the outer edge of the cutting except with the previous permission of the Collector or any other Officer duly authorised by the State Government in this behalf and otherwise than in accordance with such directions, restrictions and additions, either general or special, which may be attached to such permission.

Explanation : For the purposes of this clause the expression 'Railway Administration' shall have the same meaning as it is defined to have in the Indian Railway Act, 1890, by clause (6) of section 3 of that Act. 'Public Road' shall mean a road which has been constructed by artificially surfaced as distinct from a track resulting from repeated use. Village road will include any track shown in the Revenue record as village road.

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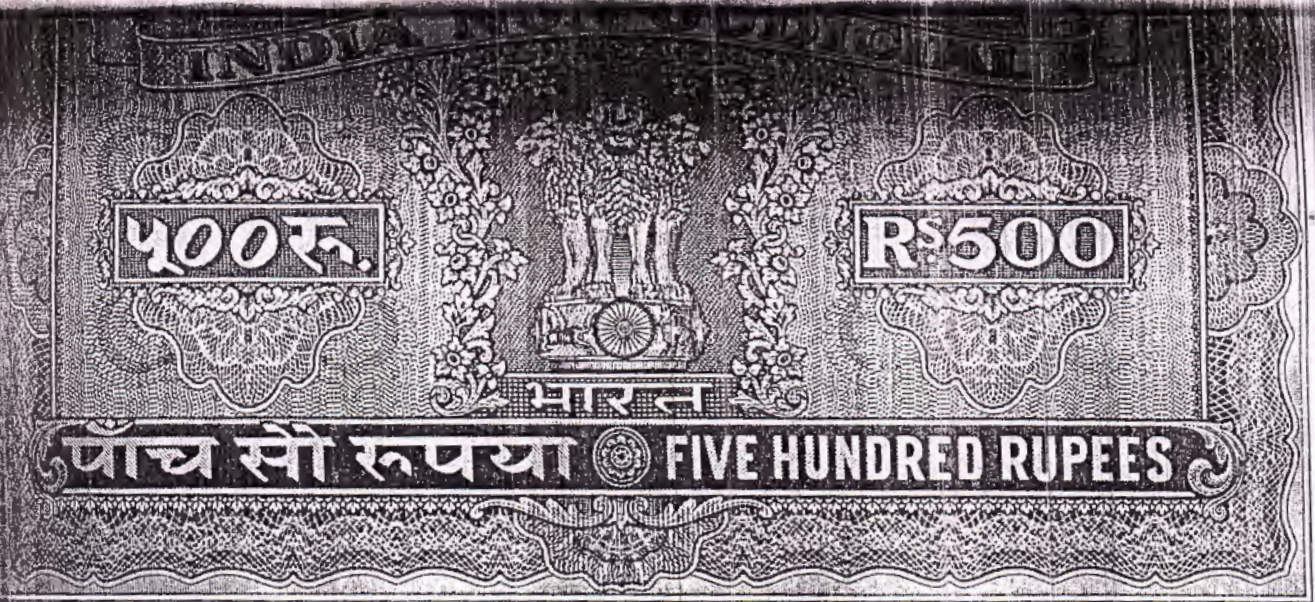
*Lrs. Arora*

MANAGER

CHAIBASA CEMENT WORKS

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District Mining Office,  
Bhagbhawan, Chaibasa





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6. The lessees shall allow existing and future  
Facilities holders of Government licenses or  
for adjoining leases over any land which is comprised  
Government licenses and leases. leases over any land which is comprised  
and leases. in or adjoins or is reached by the land  
held by the lessees reasonable facilities of access thereto.

PROVIDED THAT no substantial hindrance or  
interference shall be caused by such holders of licences or  
leases to the operations of the lessees under these presents  
and fair compensation (as may be mutually agreed upon or in  
the event of disagreement as may be decided by the State  
Government) shall be made to the lessees for all loss or  
damage sustained by the lessees by reason of the exercise of  
this liberty.

#### PART IV

Liberties Power and Privileges Reserved to the  
State Government.

1. Liberty and power for the State Government  
To work other or to any lessee or persons authorised  
minerals. by it in that behalf to enter into and  
upon the said lands and to search for win work dig get raise

Lys. Singh  
MANAGER  
CHAIBASA CEMENT WORKS

Office Manager,  
Chaibasa, Jharkhand.

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dress process convert and carry away minerals other than the said minerals and any other substances and for those purposes to sink, drive, make, erect, construct, maintain and use such pits shafts inclines drifts levels and other lines waterways, airways, water courses, drains, reservoirs engines machinery plant buildings canals tramways railways, roadways and other works and conveniences as may be deemed necessary or convenient.

PROVIDED THAT in the exercise of such liberty and power no substantial hindrance or interference shall be caused to or with the liberties powers and privileges of the lessees under these presents and that fair compensation (as may be mutually agreed upon or in the event of disagreement as may be decided by the State Government) shall be made to the lessees for all loss or damage sustained by the lessees by reason or in consequence of the exercise of such liberty and power.

2. Liberty and power for the State Government

To make railways or any lessee or person authorised and roads.

by it in that behalf to enter into

and upon the said lands and to make upon over or through

the same any railways tramways, roadways or pipelines for

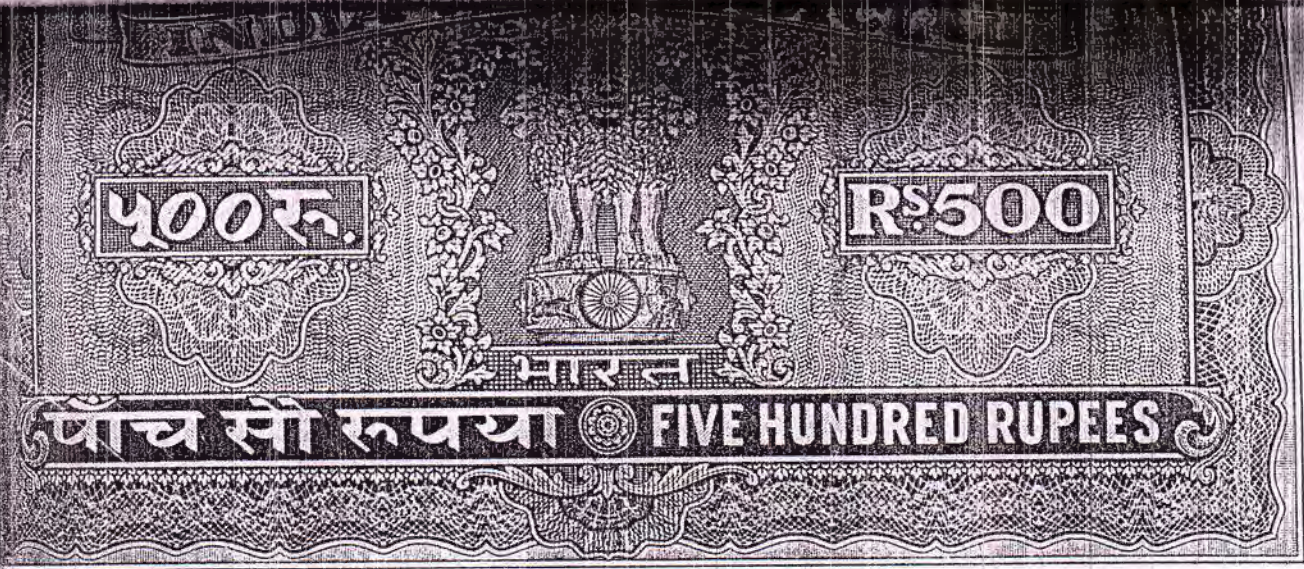
any purpose other than those mentioned in Part II of these

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*L.S. Kopyak*  
MANAGER  
CHAIBASA CEMENT WORKS

*Chief Mining Officer,  
Chaibasa.*





presents and to get from the said lands stones gravel earth and other materials for making maintaining and repairing such railways, tramways and roads or any existing railways and roads and to go and repass at all times with or without horses, cattle or other animals, carts, wagons, carriages, locomotives or other vehicles over or along any such railways, tramways, roads lines and other ways for all purposes and as occasion may require, provided that in the exercise of such liberty and power by such other lessee or person no substantial hindrance or interference shall be caused to or with the liberties powers and privileges of the lessees under these presents and that fair compensation as may be mutually agreed upon or in the event of disagreement as may be decided by the State Government shall be made to the lessees for all loss or damage sustained by the lessees by reason or in consequence of the exercise by such lessee or person of such liberty and power.

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 MANAGER  
 CHAIBASA CEMENT WORKS

[Signature]  
 Chief Mining Officer,  
 Chaibasa, CHAIBASA.



PART V

Rents and Royalties Reserved by this Lease.

1. The lessee shall pay, for every year, except the first year of the lease yearly dead rent or royalty which ever is greater. the first year of the lease yearly dead rent as specified in clause 2 of this

Part in respect of each mineral :

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Provided that the lessee shall be liable to pay the dead rent or royalty in respect of each mineral whichever is higher in amount but not both.

2. Subject to the provision of clause 1 of this Part, during the subsistence of the lease, the lessees shall pay to the State Government annual dead rent at the following rate or at such revised rate which may be communicated in writing to the lessees by the State Government per mineral per hectare of the lands demised and described in Part I of this Schedule :-

Name of mineral.	Dead rent fixed per hectare.	Area of demised land.	Dead rent payable	Total dead rent payable
			Quarterly.	in a year
			Rs.	Rs.
Limestone.	1-1-71 to 31-3-72 Rs. 12.50 per hectare per annum.	598.88 hec. or 1479.90 acres.	1,871.50	7,486.00
	1-4-72 to 31-3-77 Rs. 25.00 per hectare per annum.	-do-	3,748.00	14,972.00
	1-4-77 to 31-12-90 Rs. 37.50 per hectare per annum.	-do-	5,614.50	22,458.00

Contd... 18.

MS. Singh  
MANAGER  
CHAIBASA CEMENT WORKS

District Mining Officer,  
Singhbhum, Chaibasa.





The dead rent and surface rent shall payable in four equal quarterly instalments or such times and in such manner as the State Government may prescribe from time to time.

The royalty or rent as provided in Mining lease shall fall due in four quarters on the 1st day of January, April, July and October of every year and shall be payable by the lessee in the following manner.

L. B. Agate  
 MANAGER  
 CHHATEGA CEMENT WORKS

No. of instalment.	The date on which rent royalty or surface rent will fall due.	Nature of dues.	The date on which payment shall be made.
1	2	3	4
I	1st January.	(a) Dead rent for the quarters ending 31st March (January to March).	1st. day of February.
		(b) Excess royalty for the quarters ending 31st December of the preceeding year.	-do-
		(c) Surface rent over the area used or occupied for the preceeding year.	-do-

District Mining Officer,  
Singhbhum, Chhatra



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भारत

पाँच सौ रुपया FIVE HUNDRED RUPEES

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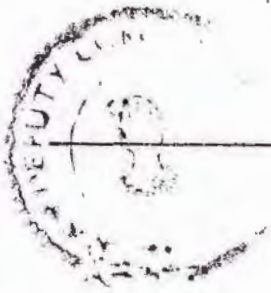
No. of instalment.	The date on which rent royalty or surface rent will fall due.	Nature of dues.	The date on which payment shall be made.
1	2	3	4
II	1st day of April.	(a) Dead rent for the quarter ending 30th June (April to June). (b) Excess royalty for the quarter ending 31st March.	1st day of May. -do-
III	1st July.	(a) Dead rent for the quarter ending 30th September (July to September). (b) Excess royalty for the quarter ending 30th June.	1st day of August. -do-
IV	1st October.	(a) Dead rent for the quarter ending 31st December (October to December). (b) Excess royalty for the quarter ending 30th September.	1st day of November. -do-

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*L.B. Arpat*  
MANAGER

CHALDAGA CEMENT WORKS

Chief Mining Officer, IV  
Chhham, Chalbasa.





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3. Subject to the provision of clause 1 of this Part, the lessees shall during the Rate and mode of payment of royalty. subsistence of this lease pay to the State Government at such times and in such manner as the State Government may prescribe royalty in respect of any mineral removed by them from the leased area at the rate for the time being specified in the Second Schedule to the Mines and Minerals (Regulation and Development) Act, 1957.

- |   |  |
|---|--|
| (i) Superior grade with 45% or more of CaO  | One rupee and twenty five paise per tonne. |
| (ii) Inferior grade with less than 45% CaO. | Seventy five paise per tonne.              |

4. The lessees shall pay rent and water rate to the State Government in respect of all parts of the surface of the said lands which shall from time to time be occupied or used by the lessees under the authority of these presents at the rate of Rs. 2.97 paise for Bera lands Rs. 2.34 paise for Bad lands and Rs. 0.50 paise for Gora lands of village area and Rs. 25/- for Forest area per hectares per annum of the area so occupied or used and so in proportion for any area less

Contd.. 21.

Mrs. A. J. ...  
 MANAGER  
 CHAIBASA CEMENT WORKS

...  
 Payment of surface  
 rent, and water rate.

...  
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Page 21.

than an hectare during the period from the commencement of such occupation or use until the area shall cease to be so occupied or used and shall as far as possible restore the surface land so used to its original condition.

Surface rent and water rate shall be paid as hereinbefore detailed in clause 2 : PROVIDED THAT NO such rent/water rate shall be payable in respect of the occupation and use of the area comprised in any roads or ways to which the public have full right of access.

*W.D. Arjekar*  
MANAGER  
CHAIBASSA CEMENT WORKS

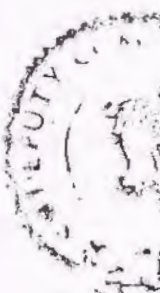
PART VI

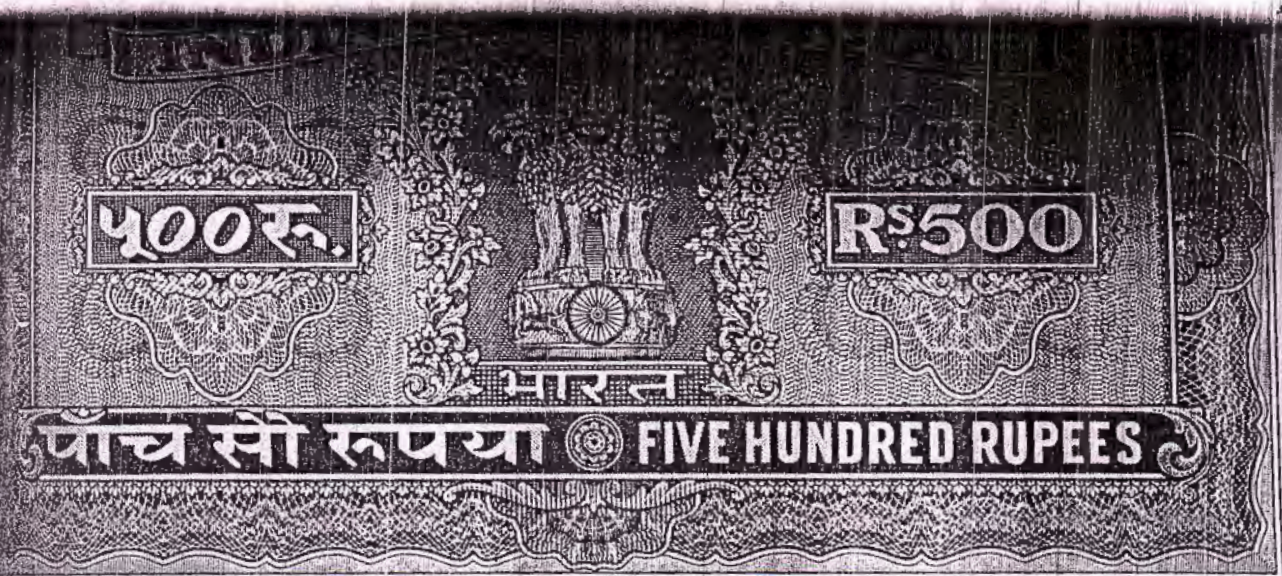
Provisions relating to the Rents and Royalties.

1. The rent, water rate and royalties mentioned

Rent and Royalties in Part V of this Schedule shall to be free from deduction etc. be paid free from any deductions to the State Government at Chaibassa and in such manner as the State Government may prescribe. PROVIDED ALWAYS and it is hereby agreed that Rs. 1000/- the balance standing to the credit of the lessees on account of the deposit made by them as licensees over an area which included the said lands shall be retained and accepted by the State

*W.D. Arjekar*  
CHAIBASSA, CHAIBASSA.





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Government in satisfaction of the rents and royalties mentioned in Part V until they reach that amount.

2. For the purposes of computing the said

Mode of computation of royalty.

royalties the lessees shall keep

a correct account of the mineral

produced and despatched. The accounts as well as the weight of the mineral in stock or in the process of export may be checked by an officer authorised by the Central or State Government.

3. Should any rent, royalty or other sums due

Course of action if rents and royalties are not paid in time.

to the State Government under the terms and conditions of these

presentments be not paid by the lessees within the prescribed

time, the same may be recovered on a certificate of such

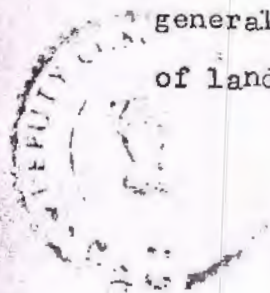
officer as may be specified by the State Government by

general or special order, in the same manner as an arrear of land revenue.

Contd... 23.

*U.B. Singh*  
MANAGER  
CHALISA CEMENT WORKS

*Singh*  
District Mining Officer  
Singhbhum, Chhatisgarh





PART VII

The Covenants of the Lessees

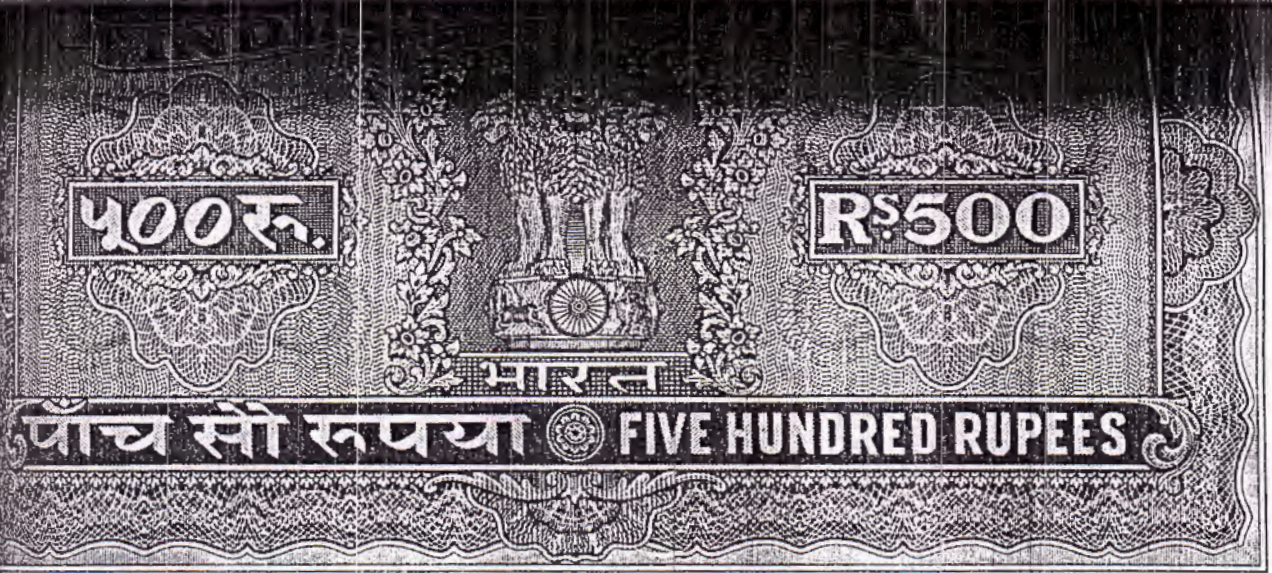
1. The lessees shall pay the rent, water rate  
Lessee to pay rents and royalties reserved by this  
and royalties, taxes, etc. lease at such times and in the  
manner provided in PARTS V & VI of these presents and shall  
also pay and discharge all taxes, rates, assessments and  
impositions whatsoever being in the nature of public demands  
which shall from time to time be charged, assessed or imposed  
by the authority of the Central and State Governments upon or  
in respect of the premises and works of the lessees in common  
with other premises and works of a like nature except demands  
for land revenues.

2. The lessees shall at their own expense erect  
To maintain and keep and at all times maintain and keep  
boundary marks in good order. in repair boundary marks and pillars  
according to the demarcation to be shown in the plan annexed  
to this lease. Such marks and pillars shall be sufficiently  
clear of the shrubs and other obstructions as to allow easy  
identification.

*L.S. Singh*  
MANAGER  
CHAMBASA CEMENT WORKS

Chief Mining Officer,  
Chambasa, Chamba.





3. Unless the State Government for good cause

To commence operations within a year and work in a workman-like manner.

Permits otherwise, the lessees shall commence operation within one year from the date of execution

of the lease and shall thereafter at all times during the continuance of this lease search for, win, work and develop the said minerals without voluntary intermission in a skilful and workman-like manner and as prescribed under clause 12 hereinafter without doing or permitting to be done any unnecessary or avoidable damage to the surface of the said lands or the crops buildings structures or other property thereon. For the purposes of this clause operations shall include the erection of machinery laying of a tramway or construction of a road in connection with the mine.

4. The lessees shall make and pay such reasonable

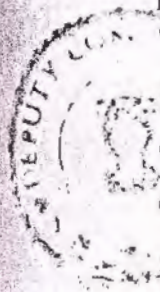
To indemnify Government against all claims.

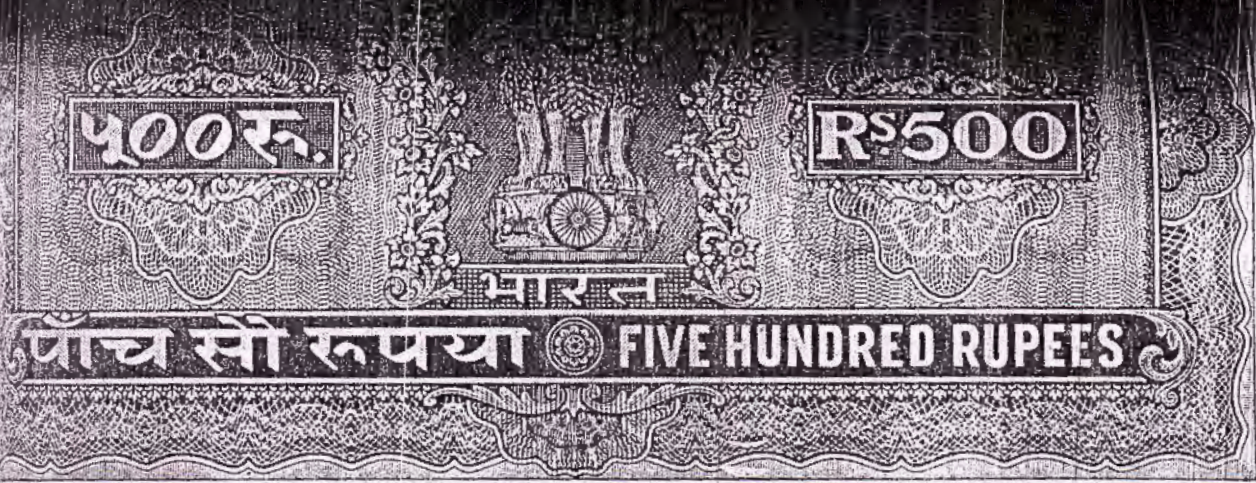
satisfaction and compensation as may be assessed by lawful authority

in accordance with the law in force on the subject for all damage, injury or disturbance which may be done by them in exercise of the powers granted by this lease and shall indemnify and keep indemnified fully and completely the State Government against all claims which may be made by any

*L.B. Argaonkar*  
MANAGER  
CHAMBASA CEMENT WORKS

*hms*  
Mining Officer,  
Chambasa,





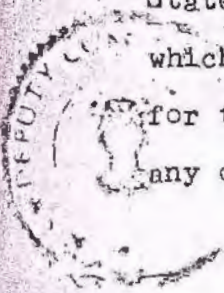
person or persons in respect of any such damage, injury or disturbance and all costs and expenses in connection therewith.

5. The lessees shall during the subsistence of this lease well and sufficiently secure and keep open with timber or other durable means all pits shafts and workings that may be made or used in the said lands and make and maintain sufficient fences to the satisfaction of the State Government round every such pit shaft or working whether the same is abandoned or not and shall during the same period keep all workings in the said lands except such as may be abandoned accessible free from water and foul air as far as possible.

6. The lessees shall strengthen and support to the satisfaction of the Railway Administration concerned or the State Government, as the case may be any part of the mine which in its opinion requires such strengthening or support for the safety of any railway, reservoir, canal road and any other public works or structures.

L.B. Nayak  
 MANAGER  
 CHAIBASA CEMENT WORKS

Mining Office,  
 Chaibasa





Page 25.

person or persons in respect of any such damage, injury or disturbance and all costs and expenses in connection therewith.

5. The lessees shall during the subsistence of

To secure and keep good condition pits shafts, etc.

this lease well and sufficiently secure and keep open with timber or

other durable means all pits shafts and workings that may be made or used in the said lands and make and maintain sufficient fences to the satisfaction of the State Government round every such pit shaft or working whether the same is abandoned or not and shall during the same period keep all workings in the said lands except such as may be abandoned accessible free from water and foul air as far as possible.

6. The lessees shall strengthen and support to the

To strengthen and support the mine to necessary extent.

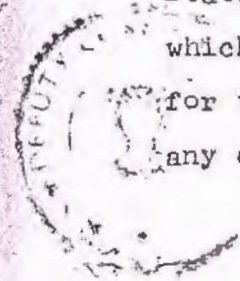
satisfaction of the Railway Administration concerned or the

State Government, as the case may be any part of the mine which in its opinion requires such strengthening or support for the safety of any railway, reservoir, canal road and any other public works or structures.

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L.B. Anjar  
 MANAGER  
 CHAIDASA CEMENT WORKS

Mining Officer,  
 Jabalpur, Chhatisgarh.



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पाँच सौ रुपया FIVE HUNDRED RUPEES

Page 26.

7. The lessees shall allow any officer authorised  
To allow inspection by the Central Government or the  
of workings. State Government in that behalf  
to enter upon the premises including any building excavation  
or land comprised in the lease for the purpose of inspecting,  
examining, surveying, prospecting and making plans thereof  
sampling and collecting any data and the lessees shall with  
proper person employed by the lessees and acquainted with the  
mines and work effectually assist such officer, agents, servants  
and workmen in conducting every such inspection and shall  
afford them all facilities information connected with the  
working of the mines which they may reasonably require and  
also shall and will conform to and observe all orders and  
regulations which the Central and State Governments as the  
result of such inspection or otherwise may from time to time  
see fit to impose.

8. The lessees shall without delay send to the  
To report Deputy Commissioner a report of any  
accident. accident causing death or serious bodily  
injury or serious injury to property or seriously affecting  
or endangering life or property which may occur in the course  
of the operations under this lease.

Contd... 27.

DR. Arjuna  
MANAGER  
CHANDASA CEMENT WORKS

10/11/53  
Mining Officer,  
Chalhana!





9. The lessees shall report to the State Government

To report discovery of other minerals. the discovery in the leased area of any mineral not specified in the lease within sixty days of such discovery along with full particulars of the nature and position of each such find. If any mineral not specified in the lease is discovered in the leased area, the lessees shall not win and dispose of such mineral unless such mineral is included in the lease or a separate lease is obtained therefor.

10. The lessees shall at all time during the said

To keep records and accounts regarding production and employees etc. term keep or cause to be kept at an office to be situated upon or near the said lands correct and

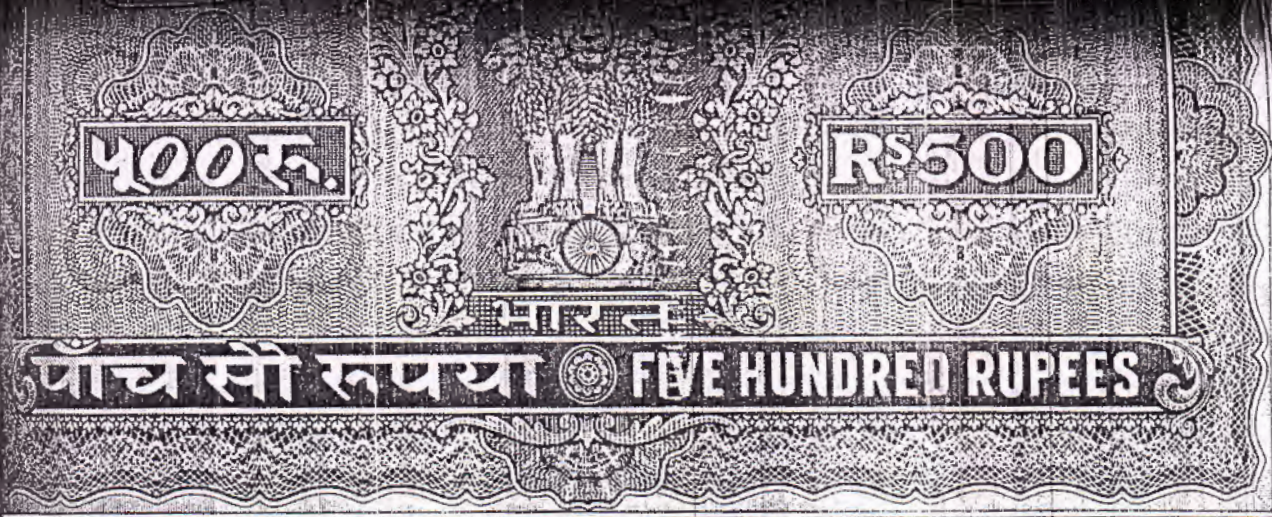
intelligible books of accounts which shall contain accurate entries showing from time to time :-

- (1) Quantity and quality of the said mineral realised from the said lands.
- (2) Quantity of the various qualities of ores beneficiated or converted (for example coal converted into coke).
- (3) Quantities of the various qualities of the said mineral sold and exported separately.

L.B. Arzade  
MANAGER  
CHAIKASA CEMENT WORKS

for Mining Officer  
Chabum, Chabum





Page 28.

- (4) Quantities of the various qualities of the said mineral otherwise disposed of and the manner and purpose of such disposal.
- (5) The prices and all other particulars of all sales of said mineral.
- (6) The number of persons employed in the mines or works or upon the said lands specifying nationality, qualifications and pay of the technical personnel.
- (7) Such other facts, particulars and circumstances as the Central or the State Governments may from time to time require and shall also furnish free of charge to such officers and at such times as the Central and State Governments may appoint true and correct abstract of all or any such books of accounts and such information and returns to all or any of the matters aforesaid as the State Government may prescribe and shall at all reasonable times allow such officers as the Central Government or State Government shall in that behalf appoint to enter into and have free access to the said officers for the purpose

*Lis. Ingal*  
MANAGER  
CHINDASA CEMENT WORKS

District Mining Officer,  
Sikhoan, Chaitra



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पाँच सौ रुपया FIVE HUNDRED RUPEES

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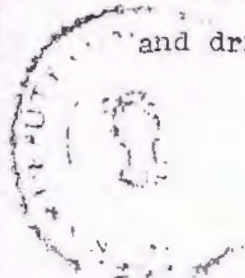
of examining and inspecting the said books of accounts plans and records and to make copies thereof and make extracts therefrom.

11. The lessees shall at all times during the said term maintain at the mine office correct plans, etc. intelligible up-to-date and complete plans and sections of the mines in the said lands. They shall show all the operations, and workings and all the trenches, pits and drillings made by them in the course of operations carried on by them under the lease, faults and other disturbances encountered and geological data and all such plans and sections shall be amended and filled up by and from actual surveys to be made for that purpose at the end of twelve months or any period specified from time to time and the lessees shall furnish free of charge to the Central and State Governments true and correct copies of such plans and sections whenever required. Accurate records of all trenches, pits and drillings shall show :-

- (a) The subsoil and strata through which they pass.
- (b) Any mineral encountered.
- (c) Any other matter of interest and all data required by the Central and State Governments from time to time.

L.B. Anger  
MANAGER  
CHAIDASA CEMENT WORKS

Mine Office,  
Chaidasa





The lessees shall allow any officer of the Central of the State Government, authorised in this behalf by the Central Government, to inspect the same at all reasonable times. They shall also supply when asked for by the State Government/the Coal Controller/the Director, Geological Survey of India/the Director, Indian Bureau of Mines, a composite plan of the area showing thickness, dip, inclination, etc., of all the seams as also the quantity of reserve quality-wise.

L.D.S. (Kangar)  
 MANAGER  
 CHATEASA CEMENT WORKS

12. The lessees shall be bound by such rules Act 67 of 1957. as may be issued from time to time by the Government of India under Section 18 of the Mines and Minerals (Regulation and Development) Act, 1957 (Act 67 of 1957) and shall not carry on mining or other operations under the said lease in any way other than as prescribed under these rules.

13. Unless specifically exempted by the State Government the lessees shall To provide weighing machine. provide and at all times keep at or near the pit head or each of the pit heads at which the said minerals shall be brought to bank a properly constructed and efficient weighing machine and shall weigh or cause to

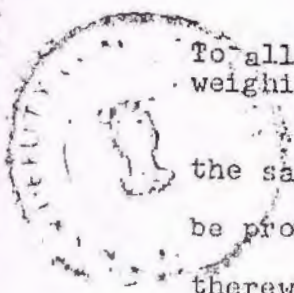


be weighed thereon all the said minerals from time to time brought to bank sold, exported and converted and also the converted products and shall at the close of each day cause the total weights, ascertained by such means of the said minerals, ores products raised, sold, exported and converted during the previous twenty-four hours to be entered in the aforesaid books of accounts. The lessees shall permit the State Government at all times during the said term to employ any person or persons to be present at the weighing of the said minerals as aforesaid and to keep accounts thereof and to check the accounts kept by the lessees. The lessees shall give seven days previous notice in writing to the Deputy Commissioner/District Mining Officer, Singhbhum of every such measuring or weighing in order that he or some officer on his behalf may be present thereat.

*L.B. Arzob*  
MANAGER  
CUMMESA CEMENT WORKS

*Deputy Mining Officer,  
Singhbhum, Chalkias.*

14. The lessees shall allow any person or persons appointed in that behalf by the State Government at any time or times during the said term to examine and test every weighing machine to be provided and kept as aforesaid and the weights used therewith in order to ascertain whether the same respectively





Page 32.

are correct and in good repair and order and if upon any such examination or testing any such weighing machine or weights shall be found incorrect or out of repair or order the State Government may require that the same be adjusted, repaired and put in order by and at the expense of the lessees and if such requisition be not complied with within fourteen days after the same shall have been made, the State Government may cause such weighing machine or weights to be adjusted, repaired, and put in order and the expense of so doing shall be paid by the lessees to the State Government on demand and if upon any such examination or testing as aforesaid any error shall be discovered in any weighing machine or weights to the prejudice of the State Government such error shall be regarded as having existed for three calendar months previous to the discovery thereof or from the last occasion of so examining and testing the same weighing machine and weights in case such occasion shall be within such period of three months and the said rent and royalty shall be paid and accounted for accordingly.

15. The lessees shall make and pay reasonable

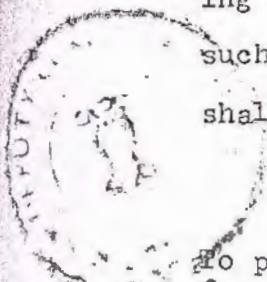
to pay compensation for injury of third parties.

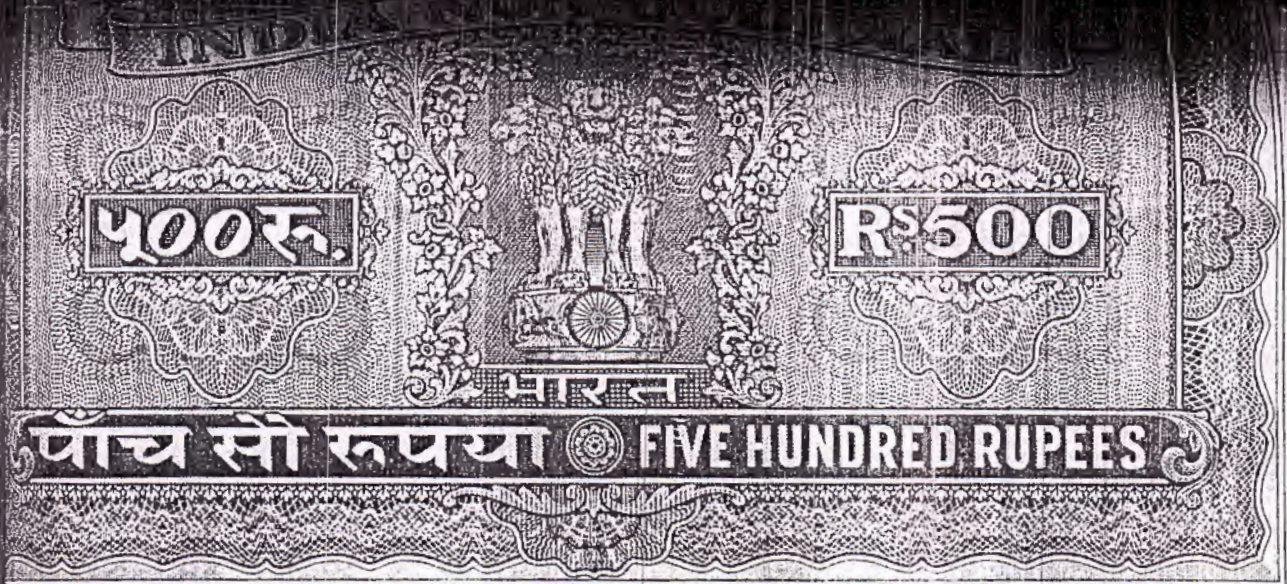
satisfaction and compensation for all damage, injury or disturbance of person

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*L.S. Raju*  
MANAGER  
CHAIBASA CEMENT WORKS

*Chaitanya*  
Mining Officer  
Chalchala





or property which may be done by or on the part of lessees in exercise of the liberties and power granted by these presents and shall at all times save harmless and keep indemnified the State Government from and against all suits claims and demands which may be brought or made by any person or persons in respect of any such damage, injury or disturbance.

*L.S. Rajeev*  
MANAGER  
CHAMBASA CEMENT WORKS

16. The lessees will exercise the liberties and powers hereby granted in such a manner as to offer no unnecessary or reasonably avoidable obstruction or interruption to the development and working within the said lands of any minerals not included in this lease and shall at all times afford to the Central and State Government and to the holders of prospecting licenses or mining leases in respect of any such minerals or any minerals within any land adjacent to the said lands as the case may be reasonable means of access and safe and convenient passage upon and across the said lands to such minerals for the purpose of getting working, developing and carrying away the same provided that the lessees shall receive reasonable compensation for any damage or injury which they may sustain by reason or in consequence of the use of such passage by such lessees or holders of prospecting licences.



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17. (1) The lessees shall not, without the previous Transfer of consent in writing of the State Govern- lease. ment, which in the case of a mining lease in respect of any mineral specified in the First Schedule to the Act shall not be given except after previous approval of the Central Government :-

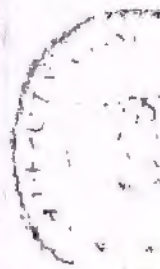
- (a) assign, sublet, mortgage, or in any other manner, transfer the mining lease, or any right, title or interest therein, or
- (b) enter into or make any arrangement, contract or understanding whereby the lessees will or may be directly or indirectly financed to a substantial extent by, or under which the lessees' operations or undertakings will or may be substantially controlled by, any person or body of persons other than the lessees.

(2) Without prejudice to the above provisions, the lessees may, subject to the conditions specified in the proviso to rule 35, of said Rules transfer this lease or any right, title or interest therein, to a person holding a certificate of approval and an income-tax clearance certificate from the Income-tax Officer concerned, on payment of a fee of rupees one hundred to the State Government.

Contd.. 35.

LTD. Argrade  
MANAGER  
CHAIKRA CEMENT WORKS

Minthe Office  
Chaitanya, Chaitanya





Page 35.

Provided that the lessees shall make available to the transferee the original or certified copies of all plans of abandoned workings in the area and in a belt 65 metres wide surrounding it.

(3) The State Government, may, by order in writing, determine the lease at any time if the lessees have in the opinion of the State Government, committed a breach of any of the above provisions or have transferred the lease or any right, title or interest therein otherwise than in accordance with clause (2) :

Provided that no such order shall be made without giving the lessees a reasonable opportunity of stating their case.

18. The lease shall not be controlled and the

Not to be financed or controlled by a Trust Corporation, firm or person.

lessees shall not allow themselves to be controlled by any Trust, Syndicate, Corporation, Firm or person except

with the written consent of the Central Government. The lessees shall not enter into or make any arrangement compact or understanding whereby the lessees will or may be directly or indirectly financed by or under which the lessees' operations

Contd.... 36.

*L.D. Aronde*  
MANAGER  
CHAIKERS CEMENT WORKS

*Minute Office*  
Chalchahal



Page 36.

or undertakings will or may be carried on directly or indirectly by or for the benefit of or subject to the control of any Trust, Syndicate, Corporation, Firm or person unless with the written sanction given prior to such arrangement compact or understanding being entered into or made of the Central Government and any or every such arrangement compact or understanding as aforesaid (entered into or made with such sanction as aforesaid) shall only be entered into or made and shall always be subject to an express condition binding upon the other party or parties thereto that on the occasion of a state of emergency of which the President of India in his discretion shall be the sole judge it shall be terminable if so required in writing by the State Government and shall in the event of any such requisition being made be forthwith thereafter determined by the lessees accordingly.

19. Whenever the security deposit of Rs. 1,000/- or any part thereof or any further sum hereafter deposited Lessee shall deposit with the State Government in any additional amount necessary. replenishment thereof shall be forfeited or applied by the Central or State Government pursuant to the power hereinafter declared in that behalf the lessees shall deposit

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UTB K. J. J.  
MANAGER  
CHHATTISGARH CEMENT WORKS

Director, Chhattisgarh  
Chhattisgarh







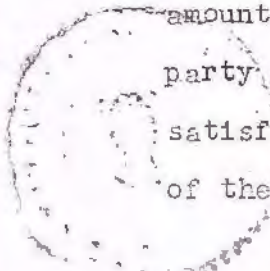
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21. (a) The State Government shall from time to time  
Right of pre-emption. and all times during the said term have  
the right (to be exercised by notice in  
writing to the lessees) of preemption of the said minerals  
(and all products thereof) lying in or upon the said lands  
hereby demised or elsewhere under the control of the lessees  
and the lessees shall with all possible expedition deliver  
all minerals or products or minerals purchased by the State  
Government under the power conferred by this provision in  
the quantities at the times in the manner and at the place  
specified in the notice exercising the said right.

(b) Should the right of pre-emption conferred by  
this present provision be exercised and a vessel chartered  
to carry the minerals or products thereof procured on behalf  
of the State Government or the Central Government be detained  
on demurrage at the port of loading the lessees shall pay the  
amount due for demurrage according to the terms of the charter  
party of such vessel unless the State Government shall be  
satisfied that the delay is due to causes beyond the control  
of the lessees.

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Ltd. Agents -  
MANAGER  
CHANDRA CEMENT WORKS





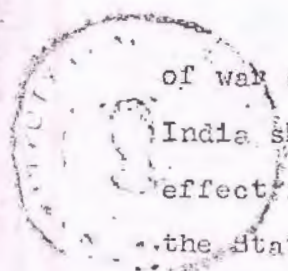
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(c) The price to be paid for all minerals or products of minerals taken in pre-emption by the State Government in exercise of the right hereby conferred shall be the fair market price prevailing at the time of pre-emption PROVIDED THAT in order to assist in arriving at the said fair market price the lessees shall if so required furnish to the State Government for the confidential information of the Government particulars of the quantities, descriptions and prices of the said minerals or products thereof sold to other customers and of charters entered into for freight for carriage of the same and shall produce to such officer or officers as may be directed by the State Government original or authenticated copies of contracts and charter parties entered into for the sale or freighting of such minerals or products.

(d) In the event of the existence of a state of war or emergency (of which existence the President of India shall be the sole judge and a notification to this effect in the Gazette of India shall be conclusive proof) the State Government with the consent of the Central Government shall from time to time and all times during the said term have the right (to be exercised by a notice

*Handwritten:* Mrs. Arjuna -  
MANAGER  
INDIAN CEMENT WORKS

*Handwritten:* Mining Officer,  
Chalchala.



INDIA

₹ 500

₹ 500

पाँच सौ रुपये FIVE HUNDRED RUPEES

Page 40.

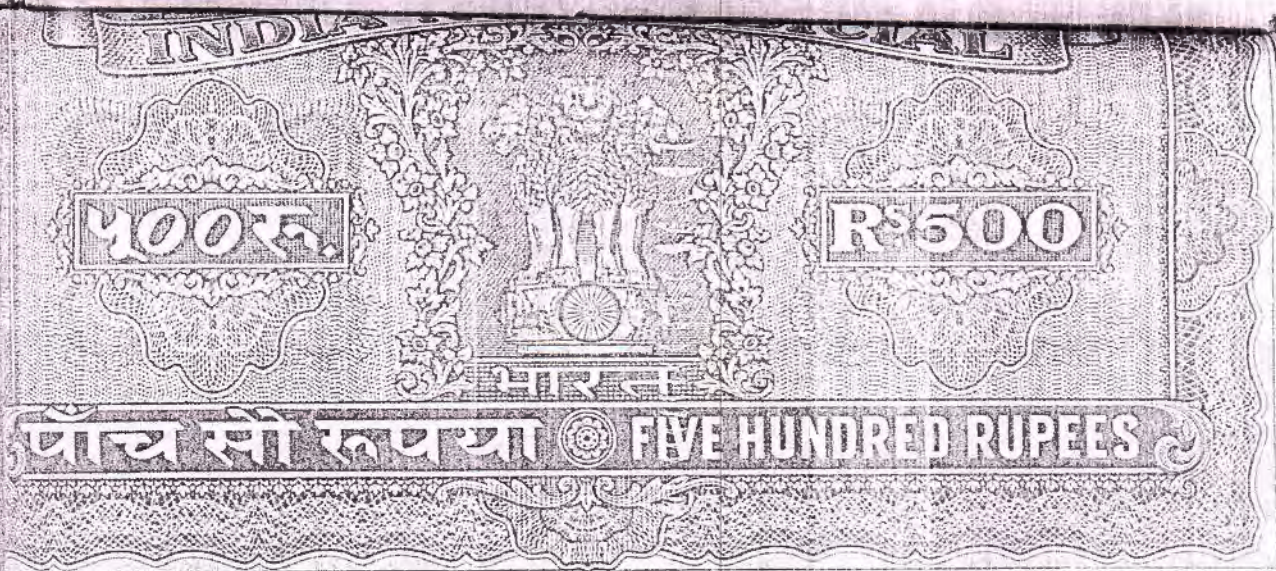
In writing to the lessees) forthwith take possession and control of the works, plant, machinery and premises of the lessees on or in connection with the said lands or operations under this lease and during such possession or control the lessees shall conform to and obey all directions given by or on behalf of the Central Government or State Government regarding the use or employment of such works, plants, premises and minerals PROVIDED THAT fair compensation which shall be determined in default of agreement by the State Government shall be paid to the lessees for all loss or damage sustained by them by reason or in consequence of the exercise of the powers conferred by this clause and PROVIDED ALSO that the exercise of such powers shall not determine the said term hereby granted or affect the terms and provisions of these presents further than may be necessary to give effect to the provisions of this clause.

*Lt. B. Rajat*  
 MANAGER  
 CHANDRA CEMENT WORKS

*Shri*  
 Mr. B. Rajat,  
 Manager,  
 Chandra Cement Works.

21-A: Subject to the right of the State Government and the obligations of the lessee under clause 21 above, the lessee hereby undertake that in respect of all flux or fettling grade limestone/dolomite/marble (that is, with acid insolubles of alumina and silica less than 15 percent) he shall win from the leased area, the lessee shall,

Contd... 41.



Page 41.

- (a) Offer the first option of purchase to the Hindustan Steel Ltd., Ranchi at such price and other terms as may be agreed upon between the lessee and the said Hindustan Steel Ltd. in advance from year to year (such price and terms being no less favourable than those prevalent in the particular year in the market)
- (b) to the extent the said Hindustan Steel Ltd. do not exercise that first option of the particular year offer the second option of purchase to any other steel plant in the country at such price and other terms as may be agreed upon between the lessee and such other steel plant, before otherwise disposing of such limestone/dolomite/marble;
- (c) in the event of any disagreement or dispute arising between the lessee and the said Hindustan Steel Ltd. (or other steel plant) relating to the price or any other matters relating to the exercise of options aforesaid, the point at dispute, shall be referred to the State Government for their final decision.

L.P.S. Arora  
MANAGER  
CHANDRA CEMENT WORKS

Chief Manager (C)  
Bhilai, Chhattisgarh



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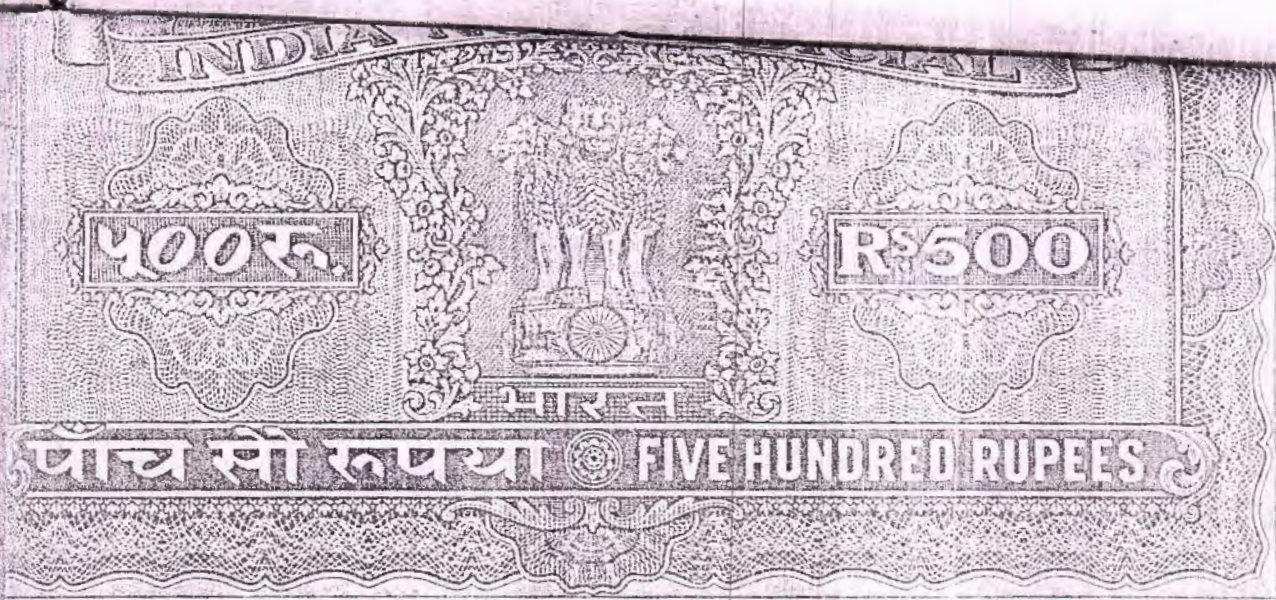
Page 42.

22. The lessees shall not employ, in connection with  
Employment of the mining operations any person who  
foreign national. is not an Indian national except with  
the previous approval of the Central Government.

23. If any of the works or matters which in accordance  
Recovery of ex- with the covenants in that behalf herein-  
penses incurred by the State Government.  
Government. before contained are to be carried or  
performed by the lessees be not so carried  
out or performed within the time specified in that behalf, the  
State Government may cause the same to be carried out or perfor-  
med and the lessees shall pay the State Government on demand  
all expenses which shall be incurred in such carrying out or  
performance of the same and the decision of the State Government  
as to such expenses shall be final.

24. The lessees shall furnish :  
Furnishing of (a) all geophysical data relating to  
geophysical data. mining fields or engineering and  
ground water surveys, such as anomaly maps, sections, plans,  
structures, contour maps, logging, collected by them during  
the course of mining operations to the Director, Geological  
Survey of India, Calcutta;

Contd... 43.



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(b) all information pertaining to investigations of radio active minerals collected by them during course of mining operations to the Secretary, Department of Atomic Energy, New Delhi.

Data or information referred to above shall be furnished every year reckoned from the date of commencement of the period of the mining lease.

25. The lessees will have to employ a qualified Geologist or Mining Engineer to supervise the mining operations as required by Rule 21 of the Mineral Conservation and Development Rules 1958.

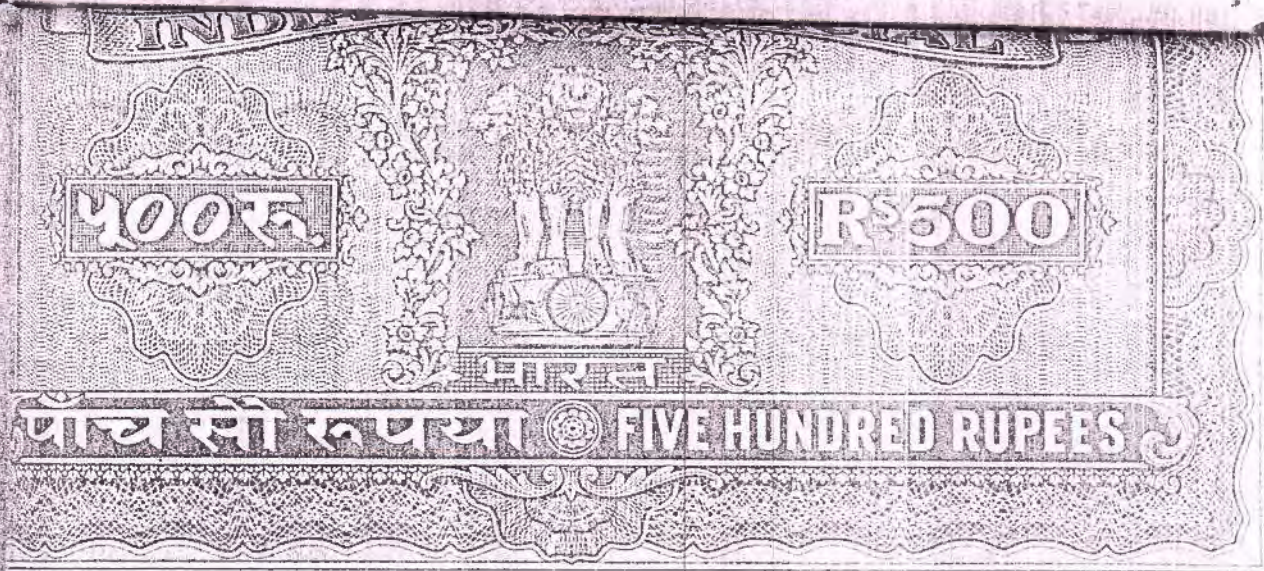
- i) The lessees will have to observe the rules framed by the State Government for mining in forest area.
- ii) The agricultural land will not be acquired strictly beyond the purpose of mining and prospecting which would be determined by the District Officer or any other officer authorised by the State Government.
- iii) Wherever agricultural lands have been acquired for prospecting licence and prospecting operations have been conducted by any private agreement, care will be taken to fill up the ditches etc., caused in

Contd..44.

W.S. Wajgade -  
MANAGER  
CHAIBASA CEMENT WORKS

Min. Mining Officer,  
Raipur, Chhattisgarh





Page 44.

agricultural lands and far as possible in course of mining or prospecting to the satisfaction of the District Officer or any officer authorised by the State Government.

- iv) The agriculturists and their dependents who are affected in any way by acquisition or otherwise will be provided employment on minimum fair wages as soon as mining operations are undertaken in the agricultural lands to the satisfaction of the District Officer or any other officer authorised by the State Government.
- v) Further we undertake that we shall not claim remission of dead rent on the ground that we are not allowed by the raiyats to go and work upon the lands, because the Government grants the mining right in the lease deed not the surface rights.

Contd.... 45

L. B. Arjane  
MANAGER  
CHINAKA, CEMENT WORKS

District Mining Officer,  
Elghatnam, Chabasa





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PART VIII

The Covenants of the State Government.

1. The lessees paying the rents, water rate and  
Lessees may hold and enjoy rights quietly. royalties hereby reserved and observing and performing all the covenants and agreements herein contained and on the part of the lessees to be observed and performed shall and may quietly hold and enjoy the rights and premises hereby demised for and during the term hereby granted without any unlawful interruption from or by the State Government, or any person rightfully claiming under it.

2. If in accordance with the provision of Clause 4  
Acquisition of land of third parties and compensation thereof. of Part VII of this Schedule the lessees shall offer to pay to an occupier of the surface of any part of the said lands compensation for any damage or injury which may arise from the proposed operations of the lessees and the said occupier shall refuse his consent to the exercise of the right and powers reserved to the State Government and demised to the lessees by these presents and the lessees shall report the matter to the State Government and shall deposit with it

Contd... 46.

L.D. Gupta  
MANAGER  
INDIAN CEMENT WORKS

at Ahmedabad  
Bhavnagar, Calcutta,





the amount offered as compensation and if the Central/State Government are satisfied that the amount of compensation offered is fair and reasonable or if it is not so satisfied and the lessees shall have deposited with it such further amount as the State and Central Governments shall consider fair and reasonable the State Government shall order the occupier to allow the lessees to enter the land and to carry out such operations as may be necessary for the purpose of this lease. In assessing the amount of such compensation the State Government shall be guided by the principles of the Land Acquisition Act.

L.P. Singh  
MANAGER  
CHAMBASA CEMENT WORKS

3. The lessees may at any time determine this

Liberty to determine the lease.

lease by giving not less than 12 calendar months notice in

writing to the State Government or to such officer, or authority as the State Government may specify in this behalf and upon the expiration of such notice provided that the lessees shall upon such expiration render and pay all rents, water rates, royalties, compensation for damages and other moneys which may then be due and payable under these presents to the lessor or any other person or persons and shall deliver these presents to the State Government when this lease and



Page 47.

the said term and the liberties, powers and privileges hereby granted shall absolutely cease and determine but without prejudice to any right or remedy of the lessor in respect of any breach of any of the covenants or agreements contained in these presents.

3.(A). The State Government may on an application made by the lessee permit him to surrender one or more minerals from his lease which is for a group of minerals on the ground that deposits of that minerals have since exhausted or depleted to such an extent that it is no longer possible to work the mineral economically, subject to the condition that the lessee -

- (a) makes an application for such surrender of mineral at least six months before the intended date of surrender; and
- (b) gives an undertaking that he will not cause any hindrance in the working of the mineral so surrendered by any other person who is subsequently granted a mining lease for that mineral.

Contd.. 48.

L. S. Aryal  
MANAGER  
MINERAL DEVELOPMENT WORKS

Mineral Development Works  
Bikaner, Rajasthan





Page 48.

4. On such date as the State Government may elect Refund of security deposits. within 12 calendar months after the determination of this lease or of any renewal thereof, the amount of the security deposit paid in respect of this lease and then remaining in deposit with the State Government and not required to be applied to any of the purposes mentioned in this lease shall be refunded to the lessees. No interest shall run on the security deposit.

PART IX

General Provisions

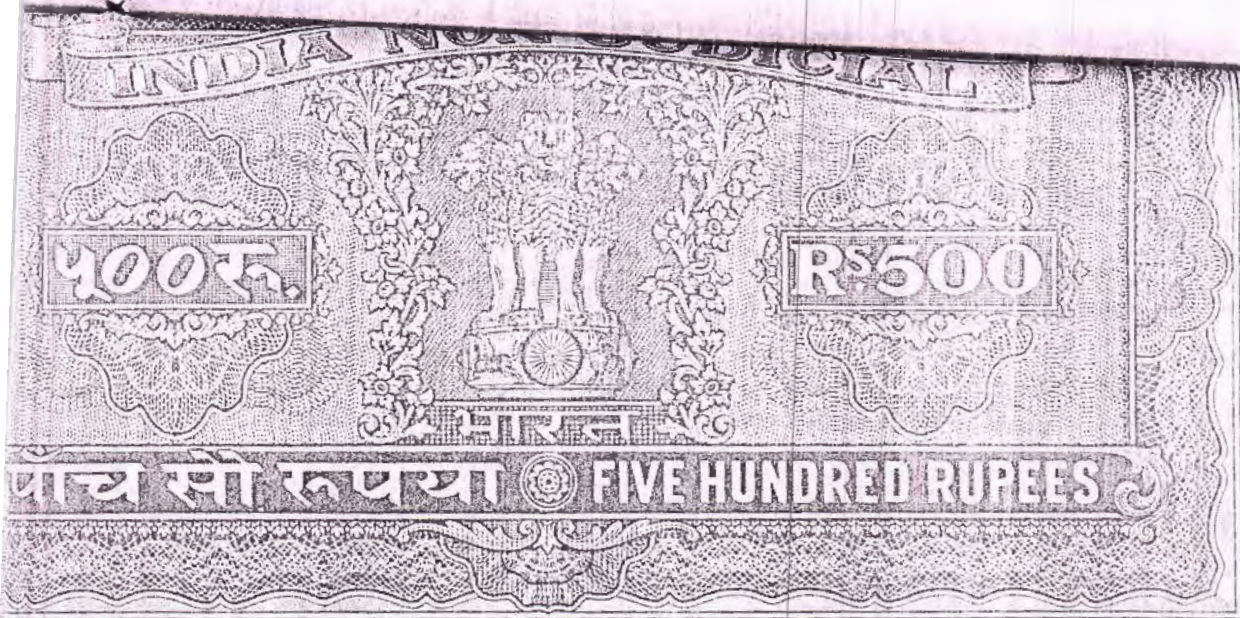
1. In case the lessees or their transferee/assignees do not allow entry or inspection by the officers authorised by the Central or State Government under clauses (i), (j) or (l) of sub-rule (1) of rule 27 of said Rules, the State Government shall give notice in writing to the lessees requiring them to show cause within such time as may be specified in the notice why the lease should not be determined and their security deposit forfeited; and if the lessees fail to show cause within the aforesaid time to the satisfaction of the State Government the State Government may determine the lease and forfeit the whole or part of the security deposit.

Contd.. 49.

Ltd. Manager -  
MANAGER  
INDIA RAILWAYS

Minister, Mysore  
Chaitanya





2. If the lessees or their transferee or assignee

Penalty in case of  
default in payment  
of royalty and  
breach of covenants.

make any default in payment of rent  
or water rate or royalty as required  
by section 9 of the Act or commits

a breach of any of the conditions and covenants other than those referred to in covenant (1) above, the State Government shall give notice to the lessees requiring them to pay the rent, water rate, royalty or remedy the breach, as the case may be, within sixty days from the date of receipt of the notice and if the rent, water rate and royalty are not paid or the breach is not remedied within such period, the State Government may without prejudice to any proceedings that may be taken against them, determine the lease and forfeit the whole or part of the security deposit.

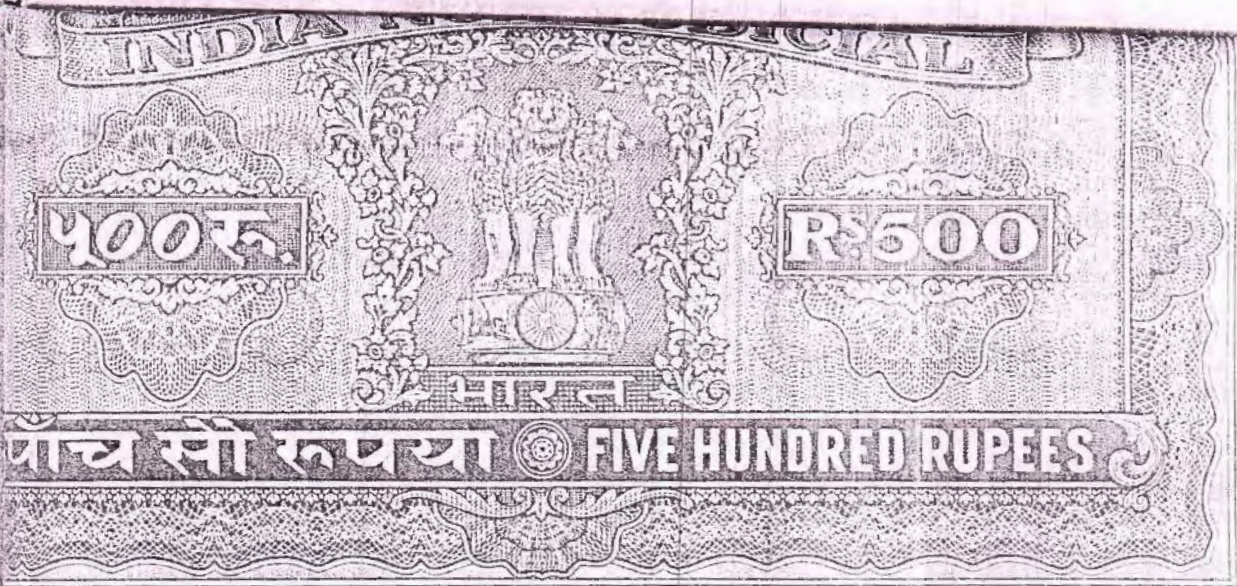
3. In cases of repeated breaches of covenants

Penalty for re-  
peated breaches  
of covenants.

and agreements by the lessees for which  
notice has been given by the State

Government in accordance with clauses (1) and (2) afore-mentioned on earlier occasion, the State Government without giving any further notice, may impose such penalty not exceeding twice the amount of annual dead rent specified in clause 2, Part V.

L.S. Arora  
MANAGER  
STATE WORKS



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4. Failure on the part of the lessees to fulfil

Failure to fulfil  
the terms of leases  
due to "Force  
Majeure".

any of the terms and conditions  
of this lease shall not give the

Central or State Government any

claim against the lessees or be deemed a breach of this  
lease in so far as such failure is considered by the said  
Government to arise from force majeure, and if through  
force majeure the fulfilment by the lessees of any of the  
terms and conditions of this lease be delayed, the period  
of such delay shall be added to the period fixed by this  
lease. In this clause the expression "Force Majeure" means  
Act of God, war, insurrection, riot, civil commotion, strike,  
earthquake, tide, storm, tidal wave, flood, lightning,  
explosion, fire, earthquake and any other happening which  
the lessees could not reasonably prevent or control.

5. The lessees having first paid and discharged

Lessees to remove  
their properties on  
the expiry of lease.

rents, rates and royalties payable  
by virtue of these presents may at

the expiration or sooner determination of the said term or  
within six calendar months thereafter (unless the lease

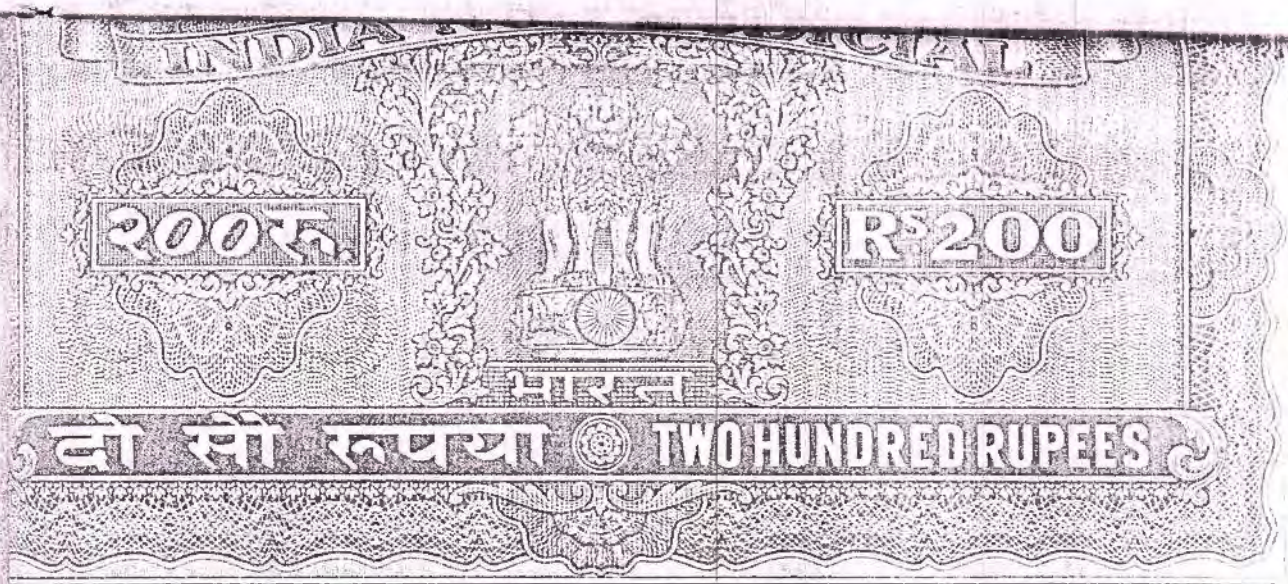
shall be determined under clauses 1 and 2 of this Part and

in that case at any time not less than three calendar months  
nor more than six calendar months after such determination)

Contd.. 51.

L.P. B. B. B. B.  
MANAGER  
CEMENT WORKS

Manager Office  
Chennai, Chaidasa



L.P. Royale  
MANAGER  
INDIAN RAILWAYS WORKS

take down and remove for their own benefit all or any engines machinery plant buildings structures tramways railways and other works erections and conveniences which may have been erected set up or placed by the lessees in or upon the said lands and which the lessees are not bound to deliver to the State Government under clause 20 of Part VII of this Schedule and which the State Government shall not desire to purchase.

6. If at the end of six calendar months after the Forfeiture of property left more than six months after determination of lease. expiration or sooner determination of the said term under the provision contained in Clause 4 of Part VIII of this Schedule become effective there shall remain in or upon the said land any engines machinery plant buildings structures tramways railways and other work erections and conveniences or other property which are not required by the lessees in connection with operations in any other lands held by them under prospecting licence or mining lease the same shall if not removed by the lessees within one calendar month after notice in writing requiring their removal has been given to the lessees by the State Government be deemed to become the property of the State Government and may be sold or disposed of in such manner as the State Government shall deem fit with-



-out liability to pay any compensation or to account to the lessees in respect thereof.

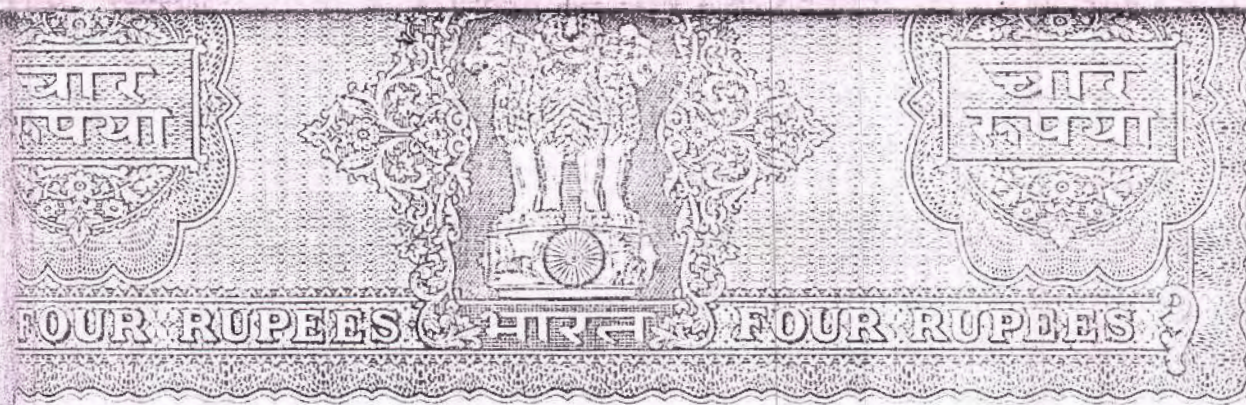
7. Every notice by these presents required to be Notices. given to the lessees shall be given in writing to such person resident on the said lands as the lessees may appoint for the purpose of receiving such notices and if there shall have been no such appointment then every such notice shall be sent to the lessees by registered post addressed to the lessees at the address recorded in this lease or at such other address in India as the lessees may from time to time in writing to the State Government designate for the receipt of notices and every such service shall be deemed to be proper and valid service upon the lessees and shall not be questioned or challenged by him.

8. If in any event the orders of the State Government are revised, reviewed or cancelled by the Central Government in pursuance of proceedings under Chapter VII of the Mineral Concession Rules, 1960, the lessees shall not be entitled to compensation for any loss sustained by the lessees in exercise of the powers and privileges conferred upon them by these presents.

Lys. R. G. G. G.  
MANAGER  
MINERAL CONCESSIION WORKS

Mineral Concessions  
Department, Government of India





SCHEDULE OF THE AREA.

All that tract of land situated at villages Rajanka, Kondwa, Durirta, Sanjinkpani, Nimdih, Dokata, Bangtopang, Indkuri, Surjabasa, Bamobasa, Makahasa, Manda, Kundubera, Tekrahatu, Singpukhuria, Furna-Chaibassa, Jamdih, Pauipi and Kochra in Pargana Kolhan in the Registration District of Singhbhum Sub-District Chaibassa and Thana Kolhan containing an area of 1479.90 acres or thereabouts delineated on the plan hereto annexed and thereon coloured red and bounded as follows :-

BLOCK (A) . Area 151.50 acres  
(It is roughly rectangular in shape)

**NORTH :-** By portion of plot Nos. 701, 677, 676, 675 of village Rajanka.

**WEST :-** By portion of plot Nos. 701, 589, 600, 612, 606, 608, 615, 618, 590, 498, 497, 524, 527, 467 of village Rajanka and then

by portion of Plot Nos. 475, 474, 485, 454, 531, 546, 544, 543, 541, 553, 568, 556, 575, 885, 889, 886, 905, 928, 927, 926, 925, 924, 959, 960, 961, 967, 969, 388, 387 of village Kondwa.

**SOUTH :-** By portion of Plot Nos. 387, 971, 972, 973, 976, 1002 of village Kondwa.

**EAST :-** By portion of Plot Nos. 1062, 1003, 1004, 1009, 1014, 1020, 1025, 1026, 1027, 940, 937, 933, and 873, 876, 1346, 807, 805, 804, 803, 763, 764, 766, 767, 771, 772, 773, 774, 775, 778, 777, 602, 610, 612 & 613, 614, 616, 620, 619, 641, 647, 696, 665 of village Kondwa and then by portion of Plot Nos. 534, 535, 538, 539, 510, 542, 544, 545, 548, 550, 551, 555, & 556, 514, 615, 574, 565, 566, 671, 670, 569, 532, 573, 532, & 533, 527, 528, 529, 530, 521, 523, 525, 705, 703, 702, 701 of village Rajanka.

Contd.... 2.

MANAGER



Station Office,  
Chaibassa

BLOCK (B) . Area 10.50 acres.  
It is roughly square in shape.

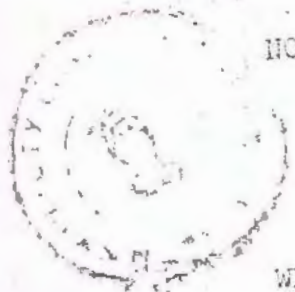
- NORTH :- By portion of Plot Nos. 600, 603, 524, 480, 419, 402, 403 of village San Jhinkpani.
- WEST :- By Plot Nos. 407, and portion of Plot Nos. 405, 406, and plot Nos. 392, 387 of village San Jhinkpani.
- SOUTH :- By portion of Plot Nos. 393, 395, 394, 622, 605, 619, 618 of village San Jhinkpani.
- EAST :- By Plot No. 608, and portion of Plot Nos. 607, 593, 594, 600 of village San Jhinkpani.

BLOCK (C) . Area 17.00 acres.  
It is roughly rectangular in shape.

- NORTH :- By portion of Plot Nos. 608, 606, 612, 597, 600, 599, 701, 676 of village Rajanka.
- WEST :- By portion of Plot Nos. 675, 671, 669, 670 of village Rajanka.
- SOUTH :- By portion of Plot Nos. 670, 668, 604, 660, 659 of village Rajanka.
- EAST :- By portion of Plot Nos. 650, 606, 603 of village Rajanka.

BLOCK (D) . Area 72.96 acres.  
It is also roughly rectangular in shape.

- NORTH :- By portion of plot Nos. 530, 487, 527, 467 of Village Rajanka and portion of Plot Nos. 475, 474, 485, 484, 531, 546, 544, 543, & 542, 541, 554, 553, 555, 536, and village road, portion of Plot Nos. 419 and plot Nos. 385, 389, 386, 905, 928, 927, 926, 924, 969, 961, 967, 969, 388, 387 of village Kondwa.
- WEST :- By portion of Plot Nos. 530, 517, 503, 507 of village Rajanka.
- SOUTH :- By portion of Plot Nos. 500, 493, 494, 482, 431, 472, 473, 468 of village Rajanka and by portion of plot Nos. 466, 467, 469, 491, 489, 528, 540, 527, 522, 516, 564, 566, 570, 423, 424, & by village Road Plot No. 419, portion of Plot Nos. 417, 413, and Plot Nos. 416, 411, 402, 401, 373 and portion of Plot Nos. 394, 391, 390, 389 of village Kondwa.



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BLOCK (E) . Area 15.52 acres.

This also roughly rectangular in shape.

NORTH :- By portion of plot Nos. 251, 252, 254, 28 and then by village road having Plot No. 33 of village Bara Jhinkpani.

WEST :- By village Road (Plot No. 33) of village Bara Jhinkpani.

SOUTH :- By plot No. 37, 39, 40 and portion of plot Nos. 33, 219, 213, 217, 226, 227, portion of plot No. 229 of village Bara Jhinkpani.

EAST :- Portion of plot Nos. 224, 223 and plot No. 249 of village Bara Jhinkpani.

BLOCK (F) . Area 201.40 acres.

NORTH :- By portion of plot Nos. 190, 181, 185, 184, 182, 96, 100, 99, 104, 73, 71, 69 of village Kondwa.

WEST :- By plot Nos. 143, 147, 148, 149, 203, 205, 207, 212, 213 of village Dokata and portion of Plot Nos. 275, 287, 288, 253, 291, 292, 294, 351 of village Kondwa, and then by portion of Plot Nos. 1563, and Plot Nos. 1189, 1191 and portion of plot No. 1613 of village Dokata.

SOUTH :- By portion of Plot Nos. 1613, 1602, 1604, 1605, 1606 of village Dokata and then by portion of Plot Nos. 365, 366, 373, 372, and Plot No. 371 of village Kondwa.

EAST :- By portion of Plot Nos. 371, 374, 986, 379, 382, 383, and Plot Nos. 979, 977, 1002, and portion of Plot Nos. 978, 973, 972, 971, 337, 339, 390, 391, 393, and village road Plot No. 420 and Plot Nos. 317, 313, 312, 311, 310, 309, and portion of Plot No. 351, 230, 235, 237, 251, 240, 243, 247, 244, 204, 203, 193, 195, 189 and 190 of village Kondwa.

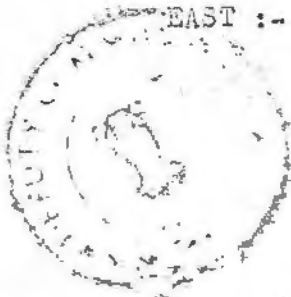
BLOCK (F.1) - Area 23.20 acres.

NORTH :- By Plot Nos. 2100 and portion of Plot Nos. 2095, 2093, 2090, 2087, 2046, 2047 of village Dokata.

WEST :- By village road Plot No. 1595 of village Dokata.

SOUTH :- By village boundary between villages Dokata and Bara Jhinkpani and then by portion of Plot Nos. 2111, 2154, 2145, 2144, of village Dokata.

EAST :- By portion of Plot Nos. 2141, 2140, 2139, 2099 of village Dokata.



L.P. Project  
MANAGER  
CHHANNARA CURRENT WORKS

BLOCK (G) . Area 152.00 Acres.

NORTH :- By portion of Plot No. 1239 and then by Plot Nos. 1041, 1030, 1029, 828, 829, 827, 1292, 821, 822 of village Nimdih.

WEST :- By Plot Nos. 810, 809, 805, 804, 803, 802, 801, 800, 797, 798, 799, 780, 776, 775, 774, 773, 780, 770 & 769, 781, 782, 761, 760, 759, 758, 727, 725, 724, 723, 720, 719, 711, 702, 703, 700, 661, 660, 653, 651, 650, 652, 649, 648, 647, 646, 645, 644, 633, 582, 526, 585, 588, 590, 594, & 599, 598, 597, 594, 595, 574, 573, 565, 555, of village Nimdih and then by Plot Nos. 63, 62 of village Rajanka and then Plot Nos. 552, 553, 550, 545, 544, 543 of village Nimdih and then by Plot Nos. 56, 57, 58, 84 of village Rajanka.

SOUTH :- By Plot Nos. 83, 82, 71, and portion of Plot Nos. 70, 672, 670, 689, 701, 675, 676, 677, 701, 706 of village Rajanka.

EAST :- River Plot No. 1259 and 1223 of village Nimdih.

BLOCK (H) . Area 103.00 Acres.

NORTH :- Plot Nos. 495, 496, 354, 355 of village Munduedal.

WEST :- Plot Nos. 348, 347, 346, 343 of village Munduedal and Plot Nos. 719, 720, 722, 725, and 726, 727, 728, 729, 955, 734, 882, 881, 829, 828, 841, 844, 845, 846, 847, 813, 812, and 803 of village Kundu Bera.

SOUTH :- Plot Nos. 798, 805, 787, 785 and village road Plot No. 651 and 376 of village Kundu Bera.

EAST :- Plot Nos. 370, 371, 356, 351, 354, 353, 324, 323, 321, 317, 318, 316, 315, 299 and 300, 259, and portion of Plot Nos. 254, and Plot Nos. 296, 244 of village Kundu Bera and Plot Nos. 519, 518, 515, 516, 514, 506, 508, 509 of village Munduedal.

BLOCK (I) . Area 32.00 Acres.

NORTH :- Plot No. 542, and portion of Plot Nos. 541, 545, 546, 543, and Plot No. 547 of village Indkuri.

WEST :- By portion of plot Nos. 548, 559, 561, 564, 567, 569, 571, 581, 580 and Plot Nos. 584, 585, 689 of village Indkuri.

Contd.. 5.

BLOCK (I) - Contd.

SOUTH :- By plot Nos. 712, 704, 705, 706, 707, 702, 700, of village Indkuri and River Plot No. 1, 64, 67, 68 of village Bingtopang.

EAST :- By portion of Plot Nos. 62, 51, 48, 47, 45, 43, 16, 20, 17, 14, 12, 11, 9 and village boundary of village Bingtopang and Surjabasa.

BLOCK (J) . Area 91.00 Acres.

NORTH :- By portion of Plot Nos. 337, 919, 368, 346, 360, 362, 3, and 1 of village Surjabasa, village Road Plot No. 1210 of village Indukuri.

WEST :- By village Road Plot No. 63 of village Indkuri.

SOUTH :- By portion of Plot No. 741, 507, 476, 480, 490, 481, 487, of village Indkuri and River Plot No. 1 and Plot Nos. 492, 493, 494, 504, 505, 502, 507 of village Indkuri and Plot No. 1 River and portion of Plot Nos. 401, 406, 407, 410 of village Surjabasa.

EAST :- By village Road of village Surjabasa and portion of Plot No. 362 of village Surjabasa.

BLOCK (K). Area 23.60 acres.

NORTH :- By village boundary between villages Bamabasa and Indkuri.

WEST :- By portion of Plot Nos. 44, 45, 48, 43, 88 of village Indkuri.

SOUTH :- By portion of Plot Nos. 71, 73 and village Road Plot No. 63 of village Indkuri.

EAST :- By Plot Nos. 470, 471, 472, 473 of village Indkuri.

BLOCK (L). Area 34.00 acres. .

NORTH :- By portion of Plot No. 103 and Plot Nos. 132, 131, 130, 129 and portion of Plot No. 103 and Plot No. 118 of village Nakahasa.

WEST :- By portion of Plot Nos. 116, 104, 66 and Plot Nos. 67, 69 of village Nakahasa.

SOUTH :- By village boundary between villages Nakahasa and Dalki and portions of Plot Nos. 72, 75, 76, 77, 79, 88 of village Nakahasa.

EAST :- Village Road Plot No. 243 of village Nakahasa.

BLOCK (M) . Area 46.74 acres.

- NORTH :- By portion of Plot Nos. 1660, 1659, 1654, 1658, 1657, 1662, 1639 of village Manda.
- WEST :- By portion of Plot Nos. 1679, 1682, 1683 of village Manda and portion of Plot Nos. 400, 399, 397 of village Nakahasa.
- SOUTH :- By portion of Plot Nos. 397, 396, 398, 403, 414, 409 of village Nakahasa.
- EAST :- By village boundary between villages Nakahasa and Bamebasa and Plot Nos. 1687, 1688, 1690, 1691, 1692, 1693, and 2129, 2128, 2087, 2086, 2081 of village Bamebasa.

BLOCK (N). Area 67.58 acres.

- NORTH :- By village Road Plot No. 848 and portion of Plot Nos. 828, 2436, 2070, 2069, 2068, 2067, 2075, 755, 763, 754, 752, 743, 744, 741, 740, 736, 764, 735, 733, 732, 737, 728, 746 of village Bamebasa.
- WEST :- By portion of Plot No. 2081 of village Bamebassa and portion of Plot No. 1660 and Plot Nos. 1661, 1664, 1665, 1668, 1669 of village Manda.
- SOUTH :- By Plot No. 2089, and portion of Plot Nos. 2086, 2094, 2095, 2031, 2076, 2061, 2436, 2055, 2054, 1933, 1876 of village Bamebassa.
- EAST :- By portion of Plot Nos. 2436, 829, 847 of village Bamebassa.

BLOCK (O) . Area 51.00 acres.

- NORTH :- By portion of Plot Nos. 516, 512, 533, 534, 535, 537, 538, 386, 599, 542, 648 of village Kundubhera.
- WEST :- By Plot Nos. 636, 637, 640, 644 and village Road and Plot Nos. 624, 622, 620, 619 and village Road Plot No. 615 of village Kundubhera.
- SOUTH :- By portion of Plot Nos. 481, 482, 485, 488, 487, 491, 493, 494, and Plot Nos. 496, 497, 498, and 470 of village Kundubhera.
- EAST :- By portion of Plot Nos. 506, 505, 504, 508, 511 of village Kundubhera.

MANAGER  
SHARADA CEMENT WORKS



BLOCK (F) . Area 21.00 Acres.

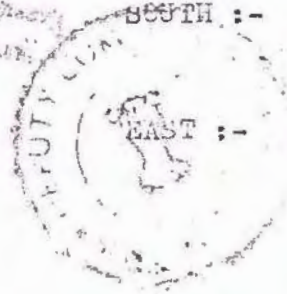
- NORTH :- By village boundary between villages Tekrahatu and Pokharia.
- WEST :- Village boundary between villages Kundhora and Singpokharia.
- SOUTH :- By village Road Plot No. 13 of village Singpokharia.
- EAST :- By village Road Plot No. 57 of village Singpokharia.

BLOCK (G) . Area 163.24 acres.

- NORTH :- By Plot No. 322, village Road Plot Nos. 301, 331, 332, 335, 333 of village Purna Chaibassa.
- WEST :- By Roro River Plot No. 239 and 895 of village Purna Chaibassa.
- SOUTH :- By village boundaries between villages Purna Chaibassa and Mundu Mdal.
- EAST :- By Plot No. 928 and portion of Plot Nos. 904, 903, 909, 907, 910, 911, 891, 892, village Road No. 327 and 832, 835, 854, 829, 821, 870, 875, 874, 869, 1062, 1054, 1053, 1050, 1047, 1023, 1026, 1027, 1014, 1013, & 1008, 1007, 1003, 1000, 773, 774, 775, 776, 777, 771, 770, 1164, 1165, 1167, 1170, 1171, 740 & village Road Plot Nos. 311, 330, 730, 731, 645, 644, 642, 312, 315, 318, 327, 331 of village Purna Chaibassa.

BLOCK (R.1) . Area 22.00 acres.

- NORTH :- By plot Nos. 192, 193, 196, 195, 182, 183, of village Jandiha.
- WEST :- Plot No. 179, 128, 127, 122, of village Jandiha.
- SOUTH :- By plot Nos. 780, 781, 735, and village Road Plot No. 756 and Plot Nos. 774, 773 of village Jandiha.
- EAST :- By Plot Nos. 771, 204, 202, 201, 200, 193 of village Jandiha.



4/3/79  
 MANAGER  
 CHINAIA CEMENT WORKS

BLOCK (R) . Area 34.68 acres.

- NORTH :- By Plot Nos. 930, 932 of village Jandiha and Plot No. 863 of village Fauipi and Plot Nos. 934, 935, 936, 937 of village Jandiha and Plot Nos. 577, 579, 630, 639, and 611, 618, 625, 621, 622, 640, 391 of village Fauipi.
- WEST :- By Plot Nos. 16, 15, 14, 19 of village Kochra.
- SOUTH :- By Plot Nos. 86, 96, 91, 92, 89, 93, 94, 353, 1896, 365, 367, 368, of village Kochra.
- EAST :- By Plot Nos. 947, 942, 943, and village Road Plot No. 933, Plot Nos. 923, 926, 927, 885, 886, 891, 892, 893, 881, 898, 880, 877, 872 of village Jandiha.

BLOCK (S) . Area 41,00 acres.

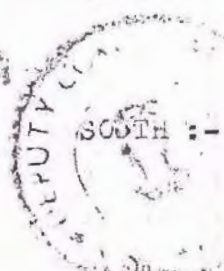
- NORTH :- By Plot Nos. 605, 606, 607, 629, 630, 584, 581, 632, 620, of village Nimdih.
- WEST :- By Plot Nos. 707, 667, 659, and portion of plot Nos. 639, 663, 535, 536, 534, 544, 543, of village Nimdih.
- SOUTH :- By portion of Plot Nos. 544, Plot Nos. 551, 553, of village Nimdih and Plot No. 61 of village Rajanka.
- EAST :- By portion of Plot Nos. 555, 564, 567, 568, 570, 569, 573, 574, 580, 581, 594, and 593 of village Nimdih.

BLOCK (T) . Area 56.00 acres.

- NORTH :- By portion of Plot Nos. 632, 458, 70, and Plot Nos. 69, 68, and portion of Plot No. 58 of village Rajanka.
- WEST :- By portion of Plot Nos. 58, 86, 80, 93, 77, 132, 137, 136, 139, 132, 137, 138 and village Road Plot No. 458 and by portion of Plot Nos. 454, 456, 431, of village Rajanka.
- SOUTH :- By portion of Plot Nos. 433, 432, 431, and village Road Plot No. 458 and Plot Nos. 643, 649, 652, 653, 654, 650, 651, of village Rajanka.
- EAST :- By portion of Plot Nos. 653, 660, 604, 663, 667 of village Rajanka.

\*\*\*\*\*

MANAGER  
TELETYPE WORKS



Form D

1 b) First renewal of block

Receipt of Application for Renewal  
of Mining Lease.  
(See Rule 10(1) and 23(1))

Govt. of Bihar.

Sl. No. Mh. 7/89 (K)

Dated. 22nd Dec 89

Received the application with the following  
enclosures for the renewal of mining lease  
of M/s A.C.E. Ltd, Thikprani, Singhbhum on  
2212.89 for about 598.22 hect. of land  
located at Village Rajanka, Koudia,  
Dokgra, Neandih etc. Dist. Singhbhum  
for mining of Lime Stone.

1. Application form filled up as prescribed form  
with a Court fee stamp of Rs. 7.50.
2. Director's List.
3. Affidavit regarding income tax.
4. Affidavit regarding mining lease clearance.
5. Affidavit regarding holding of mining lease  
with list of leases.
6. A deposit of Rs. 500/- for application fee  
bearing No 17. dt. 28.11.89.
7. Royalty Clearance Certificate issued by  
DMO, Chaibasa bearing No 1674/M dt.  
19.12.89.
8. Mining lease plans (Photo copy which  
are corrigible) in 6 copy.

Place - Chaibasa

Dated - 22nd Dec. 89.

District Mining Officer  
Chaibasa.

**FORM - D**

**Receipt of Application for Renewal of Mining Lease  
See Rule 10(4) & 23 (4)  
Government of Jharkhand**

Sl. No. 10

Dated: 01-12-2009

Received the application with following enclosures for Renewal of Mining Lease of M/s ACC Limited., Jhinkpani, West Singhbhum on ..... for about an area of 598.88 Hectare (1479.9 Acres) of land located in village Kondwa of West Singhbhum District for Mining **Limestone & Shale.**

1. Application filled in prescribed Form - J with Rs 5.00 court fee stamp.
2. Application Fee Rs 2500/- vide Bank draft No.239875 dated 12.11.2009.
3. Certificate of Registration of the Company.
4. List of Company's Directors.
5. Attested copy of power of Attorney.
6. No Mining dues certificate issued by D.M.O., Chaibasa (Memo No. 836 dated 10.06.2009).
7. Copy of latest income tax clearance certificate.
8. Copy of the receipt of the previous renewal application in Form-D.
9. Copy of the letter for the inclusion of shale in this Mining lease.
10. Land Schedules of the applied area.
11. Maps showing the applied areas for renewal.
12. Particulars of the areas mineral wise in each State already holds under mining lease.
13. Particulars of the areas mineral wise in each State has already applied for but not granted.
14. Copy of approval letter of scheme of mining.

Place : Chaibasa

Dated : 1-12-2009

  
District Mining Officer

Chaibasa  
सहायक खनिज अधिकारी  
चाईबासा

0/1

**FORM J**  
To be submitted in duplicate  
**APPLICATION FOR RENEWAL OF MINING LEASE**  
[See Rule 24-A]

Government of Jharkhand  
Received at Chaibasa on Dated the 12<sup>th</sup> day of November 2009.

Initial of Receiving Officer

To,  
The Secretary  
Government of Jharkhand,  
Dept. of Mines and Geology,  
Ranchi, JHARKHAND.

Through: The Deputy Commissioner, West Singhbhum, Chaibasa.

Sir,

We request for renewal of our mining lease under the Mineral Concession Rule, 1960. A sum of Rs.2500 being the application fee payable under sub-rule (3) (I)(a) of Rule 22 of the said rule has been deposited (Vide Bank draft No.239875 dated 12.11.2009).

The required particulars are given below:

- |       |  |   |
|-------|--|---|
| (i)   | Name of the applicant with complete address.   | ACC Limited,<br>Cement House, 121, M.K. Road,<br>Mumbai - 400020  |
|       | Address for correspondence   | ACC Limited,<br>Chaibasa Cement Works,<br>P.O. Jhinkpani, Dist: Singhbhum West,<br>Pin- 833215, Jharkhand.                    |
| (ii)  | Is the applicant a private individual/ private company/ public company/ firm or association? | Public Limited Company,<br>incorporated under the Indian Companies Act, 1913  |
| (iii) | In case the applicant is-  | Not applicable  |
|       | (a) an individual, his nationality   | Certificate of Registration of the Company  |
|       | (b) a company, an attested copy of the certificate of registration shall be enclosed,        | (Annexure-1), A list of Company's Directors (Annexure-2), and an attested copy of power of Attorney (Annexure-3) is enclosed. |
|       | (c) omitted  |   |
| (iv)  | Profession or nature of business of the applicant.   | Manufacture of Portland Cement, Port slag cement, PPC, firebricks, refractories, machinery, and sale thereof.                 |
| (v)   | xxi Omitted  |   |

- (v-a) No. and date of the valid clearance certificate of payment of mining dues (copy enclosed) No mining dues certificate as per Rule 22 Sub Rule 3 Clause(d) of Mineral Concession Rules, 1960, is attached. (**Annexure -4**)
- (vii) An affidavit, that up-to date Income Tax returns, as prescribed under the Income tax Act, 1961, has been filed, and the tax due, including the tax on account of self-assessment has been paid. Xerox copies of the latest income tax clearance certificate( form ITR-V DATED 29.09.2008) are enclosed. (**Annexure-5**)
- (viii) (a) Particulars of the mining lease of which renewal is desired. The mining lease dated 28.5.1946 was granted by govt of Bihar over an area of 1490.90 acres in villages of Rajanka, kondwa, Duritara & 16 others in singhbhum district for a period of 30 years from 4.6.1943. the controller of mining leases for India nagpur vide his order no :H-214 dated 27.9.1960 reduced the period by 2 years 5 months and 3 days so as to terminate the lease on 31.12.1970.
- (b) Details of previous renewal granted, if any. The first renewal for 20 years was granted by govt of Bihar from 1.1.1971. Second Renewal for Mining lease was applied on 10.09.1989 for over an area of 1490.90 acres (598.88hectares) which is pending for renewal with the State Government. Copy of the receipt of the application in Form D is enclosed as **Annexure - 6**
- (ix) Period for which renewal of mining lease is required. Inclusion of shale in this Mining lease was applied vide our letter - no. CH/QRV/MLF2/012303 dated 28.10.02. Copy enclosed as **Annexure - 7**
- (x) Whether renewal is applied for the whole or part of the leasehold. 3<sup>rd</sup> Renewal of Mining Lease is required for **LIMESTONE and SHALE** (Associated Mineral of Limestone) for 20 years from dated 1.1.2011
- (x-A) (a) Does the applicant continue to have surface rights over the area of the land for which he requires renewal of the mining lease. For the whole of the lease hold area of 598.88Hectares. Land Schedules (**Annexure-8**) and Maps showing the areas are attached. (**Annexure-9**)
- (b) If not, has he obtained the consent of the owner and occupier for undertaking mining operation. If so, the consent of the owner and occupier of the land obtained in writing be filed. Yes
- (x-B) Particulars of the areas mineral wise in each State duly supported by affidavit for which the applicant or any person joint in interest with him. Not applicable
- (a) already holds under mining lease; Particulars enclosed as **Annexure -10**

(b) has already applied for but not granted; or  
(c) being applied simultaneously.

Annexure -11  
Nil

(x-C) 'a mining plan which shall include-  
(a) the plan of the area showing the nature and the extent of the mineral body, spot or spots where the excavation is to be done in the first year and its extent, a detailed cross-section and detailed plan of spot(s) of excavation based on prospecting data gathered by the applicant, a tentative scheme of mining [ for the first five years, of the lease];

(b) the details of geology and Lithology of the area, the extent of manual mining and through machines.

(c) annual programme and plan for excavation [for five years ]; and

(d) the plan of the area showing natural water courses; limit of reserved and other forest areas and density of trees, assessment of impact of mining activity of forest. Land surface and environment including air and water pollution, and details of scheme for afforestation, land reclamation, use of pollution control devices.

(x-D) Is the mineral going to be used in his own industry? If so, give full details. ( for "own industry" see Explanation under Rule 24-B)

(xi) In case the renewal applied for is only for part of lease hold:

(a) the area applied for renewal,  
(b) description of the area applied for renewal (description should be adequate for the purpose of demarcating the plot),  
(c) particulars of map of the leasehold with area applied for renewal clearly marked on it (attached),  
(d) particulars of existing or created dump of ore, if any.

(xii) Means by which the mineral is to be raised, i.e. by hand, labour or mechanical or electrical power.

(xiii) Manner in which the mineral raised is to be utilised:

(a) for manufacture in India,  
  
(b) for export to foreign countries,  
(c) in the former case the industries in connection with which it is required, should be specified. In the latter case, the countries to

The present Approved Scheme of Mining is valid upto March 2010 and we are in the process of preparing the Mining plan for next 5 years, which will submitted to IBM for approval. Approval letter is enclosed as Annexure- 12.

Yes, Limestone & shale mined from the lease hold area will be utilised for manufacture of Cement at CHAIBASA CEMENT WORKS.

Not applicable

Mechanical ( Mechanised opencast method of Mining)

Yes, For the manufacture of Cement at our Chaibasa Cement Works in West Singhbhum Dist., Jharkhand

No.  
For manufacture of Portland Cement.

which the mineral will be exported and whether the mineral will be exported after processing or in raw form should be stated.

- (xiv) Details of output during the last three years and phased programme for production during the next three years along with a layout plan for development, if any.

Details of Limestone Raised during last three years.

	Production (Tons)	
2006-2007	917712	
2007-2008	1048264	
2008-2009	1337883	

Phased program of Raisings during next three years.

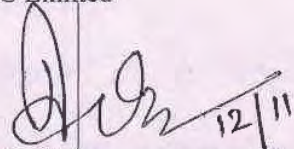
	Production (Lac Tons)	
2009-2010	20.59	
2010-2011	18.2	
2011-2012	18.4	

- (xv) In case of coal, details of existing railway transport facility available and additional transport facility, if any, required. Not applicable
- (xvi) Any other particulars which the applicant wishes to furnish.

We do hereby declare that the particulars furnished above are correct and am / are ready to furnish any other details, including accurate plans as required by you before the grant of renewal of the lease.

Place: JHINKPANI

Yours faithfully,  
For ACC Limited

  
(Gopika Prasad Tiwari)  
Constituted Attorney

Signature and designation of

Date: 12<sup>th</sup> November 2009  
applicant.

**Enclosures:**

1. Application fee of Rs. 2500 vide draft No.239875 dated 12.11.2009

1. Certificate of Registration of the Company

2. List of Company's Directors

3. Attested copy of power of Attorney

4. Copy of no mining dues certificate

5. Copy of latest income tax clearance certificate

6. Copy of the receipt of the previous renewal application in Form D.

7. Copy of the letter for the inclusion of shale in this Mining lease.

8. Land Schedules of the applied area.

9. Maps showing the applied areas for renewal.

10. Particulars of the areas mineral wise in each State already holds under mining lease

11. Particulars of the areas mineral wise in each State has already applied for but not granted.

12. Copy of approval letter of scheme of mining

Copy of supplementary lease deed is given in the annexure of PFR due to size constraint

**ENCLOSURE 2 -COPY OF ALL CTO'S FROM 2002-  
2003**



**JHARKHAND STATE POLLUTION CONTROL BOARD**

T.A. BUILDING, HEC COMPLEX, P.O. : DHURWA, DIST. : RANCHI

Ref. No. 189

Date 11.1.2002

No Objection Certificate under section 25 & 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

1. Reference application no. **880** dated. **06.09.2002** of **M/s. A.C.C Ltd, Rajanka Lime Stone Mines Village: Rajanka, P.O. Chaibasa Cement Works, Jhinkpani, Dist. West Singhbhum** for setting up a **Lime Stone Mining**, unit under expansion programme at Plot No. **232** and others (as per Annexure-2, submitted), Khata No. **2, 71, 34** and others, Mauza: **Rajanka, Kondwa & Dokata, P.O. Chaibasa Cement Works, Jhinkpani, P.S. Jhinkpani, Dist. West Singhbhum**. The capacity of the Industry will be as follows: -

1. Lime Stone	-	15.56 lacs tons/year
2. Calcareous Shale	-	10.75 lacs tonnes/year
(In F, F <sub>2</sub> & F <sub>3</sub> Block)		

2. **After considering :**

- The facts stated in the N.O.C application & Project Report;
- Provisions of related Water (Prev.& Control of Pollution) Act, 1974 & Air (Prev.& Control of Pollution) Act, 1981.
- Check list based on Site Inspection on date **25.11.2002**
- Public hearing conducted on date **26.11.2002** (copy enclosed)

3. **N.O.C. in favour of unit, based on site inspection and facts stated in the project report, N.O.C. application is hereby accorded subject to the following conditions: -**

- The unit shall obtain consent to operate under section 25 and 26 of the Water (Prev.& Control of Pollution) Act, 1974 and section 21 of Air (Prev.& Control of Pollution) Act, 1981 prior to commissioning of the plant from State Pollution Control Board.
- The unit shall upgrade pollution control systems as and when new technologies are available.
- The unit shall install suitable Air Pollution Control devices wherever necessary to control fugitive emission, from haul roads, transportation, loading, unloading, crushing etc.
- The unit shall provide Ambient Air Quality Report & Noise level monitoring report before and after commissioning of the plant. The unit shall ensure that the Noise level and AAQ shall be within the prescribed limit. The monitoring stations shall be fixed in consultation with Pollution Control Board.
- The D.G.sets shall be housed properly to minimise noise pollution in and around the factory campus. The height of exhaust pipe shall be raised as per the norms of C.P.C.B.
- The plantation shall be done in 15 meter width after core zone.
- The unit shall prepare & submit the plan for rain water harvesting within six months.
- The unit shall ensure regular cleaning & wetting of the ground within the premises to maintain good house keeping.

Cont 2

(2)

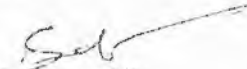
The unit shall reclaim the mined out area on regular basis and plantation shall be done over it. Progress report shall be submitted at every six months.

- x) The unit shall not discharge mine water in any river/streams/nallah or on land. It shall be kept in old mined out quarry and reutilized in Cement Plant.
- xi) The unit shall submit mine reclamation plan within six months.
- xii) The main road leading to mine shall be metalled.
- xiii) The unit shall obtain Environmental clearance from GoI, MoEF before starting the activity at the site.
- xiv) The compensation to the all land looser should be paid as per Govt. rule in consultation with competent authorities.
- xv) The unit shall not start the activity till the land is handed over to the unit by State Govt.
- xvi) In case of any emergency the District Collector, Pollution Control Board and other related State Govt. Department should be informed immediately. The immediate measures should be taken as per on site emergency management plan.

The Jharkhand State Pollution Control Board reserves the right to revise and/or add any other condition(s), if necessary, for the protection of Environment and/or to ensure pollution control.

The present N.O.C. should not be considered as an assurance for granting consent to operate the proposed plant and is subject to compliance of all conditions as mentioned above.

This N.O.C. is valid for a period of 2 years from the date of issue.

  
(S. K. Narmoli)  
Member-Secretary

emo. No. 189.....

Ranchi, Dated. 11.11.2007.....

Copy forwarded to M/s. ACC Ltd., Chaibasa Cement Works, Rajanka Lime Stone Mines, Po- Jhinkpani, West Singhbhum (Jharkhand)/Secretary, Deptt. of Forest & Env Govt. of Jharkhand, Ranchi, /Director Industries, Govt. of Jharkhand, Ranchi/Regional Officer, Regional Office, J.S.P.C. Board, Jamshedpur/Officer concerned dealing consent, for information & necessary action.

  
(S. K. Narmoli)

APPENDIX 2

a) Copy of CTO under air act valid from  
01.01.2003 to 31.12.2003



झारखण्ड राज्य प्रदूषण नियंत्रण पर्वद

Ph.: 0651-2403851  
Fax.0651-2403850

**JHARKHAND STATE POLLUTION CONTROL BOARD**

वायु (प्रदूषण निवारण एवं नियंत्रण) अधिनियम 1981 के अन्तर्गत गठित

CONSTITUTED UNDER THE AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981

T. A. Division Building ( Ground Floor), H.E.C. Campus, Dhurwa, Ranchi-834004

Ref. No. JA/2502/A/.....C-521

Date 23/10/2003 24.10.03

**EMISSION CONSENT ORDER**

With reference to the application dated 28/12/2002 of Sri A.Roy Choudhary, Vice President, M/s. The ACC Ltd, For Rajanka Lime Stone Mines, Chaibasa Cement Works, Po- Jhinkpani for consent under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, he/they is/are granted consent to operate his/their Industrial Plant at Po- Jhinkpani, West Singhbhum-833215 for the period from 01/01/2003 to 31/12/2003 with the following conditions :-

1. That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the board and shall also abide by the obligations under sections 22, 23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and shall further extend co-operation to the Board in performing its functions entrusted under sections 24, 25, and 26 of the Act;
2. That, he/they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; rules 4, 5, 7, 9, 10 and 11 of the Hazardous Wastes (Management and Handling) Rules 1989, and 2000, rules 4, 5, 7, 8 10, 11, 12, 13, 15, 17 and 18 of the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;
3. That, he/they shall monitor his/their emission(s) and ambient air quality from representative points regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;
4. That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 31/12/2003 or within 30 days from the date of receipt of this order, whichever is applicable.
5. He/they (Unit) shall submit Environmental Statement by 30th Sept. every year.
6. He/they (Unit) shall submit AAQ monitoring report for every quarter.
7. He/They (Unit) shall prepare and submit plan for rain water harvesting within six months.
8. He/they shall do sprinkling of water time to time on haul roads and dusty areas.
9. He/they (Unit) shall continue tree plantation & shall maintain.
10. The unit shall reclaim abandoned mines regularly.

To,  
Sri A.Roy Choudhary, Vice President  
M/s. The ACC Ltd, For Rajanka Lime Stone Mines, Chaibasa  
Po- Jhinkpani  
West Singhbhum-833215  
Phone # :- 235224

  
MEMBER SECRETARY  
24/10/03



## झारखण्ड राज्य प्रदूषण नियंत्रण पर्वद

Ph.: 0651-2403851  
Fax:0651-2403850

### JHARKHAND STATE POLLUTION CONTROL BOARD

जल (प्रदूषण निवारण एवं नियंत्रण ) अधिनियम 1974 के अन्तर्गत गठित  
CONSTITUTED UNDER THE WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974

T. A. Division Building ( Ground Floor), H.E.C. Campus, Dhurwa, Ranchi-834004

Ref. No. JA/2500/W/6017

Date 22/10/2003

### DISCHARGE CONSENT ORDER

With reference to the application dated 28/12/2002 of Sri A.Roy Choudhary, Vice President, M/s. The ACC Ltd, For Rajanka Lime Stone Mines, Po- Jhinkpani for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, he/they is/are granted consent to bring into use his/their new/altered/existing outlet(s) for discharge of trade effluent and / or domestic sewage at Po- Jhinkpani, West Singhbhum-833215 for the period from 28/12/2002 to 31/12/2003 with the following conditions :-

1. That, he/they shall not , make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and shall further extend cooperation to the Board in performing its functions entrusted under sections 20, 21, 23, 30 and 32 of the Act;
2. That, he/they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; rules 4, 5, 7, 9, 10 and 11 of the Hazardous Wastes (Management and Handling) Rules 1989 and 2000, rules 4, 5, 7, 8 10, 11, 12, 13, 15 and 18 of the Manufacture Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;
3. That he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;
4. That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 31/12/2003 or within 30 days from the date of receipt of this order, whichever is applicable.
5. He/they (Unit) shall submit Environmental Statement by 30th Sept. every year.
6. He/they (Unit) shall monitor and submit the effluent analysis report within consent period.
7. He/they (Unit) shall conform the quality of effluent as prescribed by the Board.
8. He/They (Unit) shall prepare and submit plan for rain water harvesting within six months.
9. The consent is valid for the existing block F & F2 only

To,  
Sri A.Roy Choudhary, Vice President  
M/s. The ACC Ltd, For Rajanka Lime Stone Mines  
Po- Jhinkpani  
West Singhbhum-833215  
Phone # :- 235224

  
22/10/03  
MEMBER SECRETARY



# झारखण्ड राज्य प्रदूषण नियंत्रण पर्वद

Ph.: 0651-2403851

Fax: 0651-2403850

## JHARKHAND STATE POLLUTION CONTROL BOARD

बल (प्रदूषण निवारण एवं नियंत्रण) अधिनियम 1974 के अन्तर्गत गठित  
CONSTITUTED UNDER THE WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974

T. A. Division Building ( Ground Floor), H.E.C. Campus, Dhurwa, Ranchi-834004

Ref. No. JA/2500/W/..... 139-

Date 25/01/2005

### DISCHARGE CONSENT ORDER

With reference to the application dated 20/11/2003 of Sri A.Roy Chowdhury, Vice President, M/s. The ACC Ltd, For Rajanka Lime Stone Mines, Po- Jhinkpani, West Singhbhum for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, he/they is/are granted consent to bring into use his/their new/alterd/existing outlet(s) for discharge of trade effluent and / or domestic sewage at Po- Jhinkpani, West Singhbhum for the period from 01/01/2004 to 31/12/2004 with the following conditions :-

1. That, he/they shall not , make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and shall further extend cooperation to the Board in performing its functions entrusted under sections 20, 21, 23, 30 and 32 of the Act;
2. That, he/they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; rules 4, 5, 7, 9, 10 and 11 of the Hazardous Wastes (Management and Handling) Rules 1989 and 2000, rules 4, 5, 7, 8 10, 11, 12, 13, 15 and 18 of the Manufacture Storage and Import of Hazardous Chemical Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;
3. That he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for;
4. That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 31/12/2004 or within 30 days from the date of receipt of this order, whichever is applicable.
5. He/they (Unit) shall monitor and submit the effluent analysis report within consent period.
6. He/they (Unit) shall conform the quality of effluent as prescribed by the Board.
7. He/They (Unit) shall prepare and submit plan for rain water harvesting within six months.
8. This Consent is valid for the existing block F and F2 only.
9. The unit shall make arrangement for mine water to be used in cooling water/ boiler feed water / sprinkling on haul road as far as possible.
10. He/they (Unit) shall submit Environmental Statement by 30th Sept. every year.

To,

Sri A.Roy Chowdhury, Vice President  
M/s. The ACC Ltd, For Rajanka Lime Stone Mines  
Po- Jhinkpani, West Singhbhum  
West Singhbhum-833215  
Phone # :- 06589-235224

*(Signature)*  
25/1/05  
BOARD ANALYST

31.12.04

Ph.: 0651-2403851

Fax:0651-2403850



## झारखण्ड राज्य प्रदूषण नियंत्रण पर्वद

### JHARKHAND STATE POLLUTION CONTROL BOARD

वायु (प्रदूषण निवारण एवं नियंत्रण) अधिनियम 1981 के अन्तर्गत गठित

CONSTITUTED UNDER THE AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981

T. A. Division Building ( Ground Floor), H.E.C. Campus, Dhurwa, Ranchi-834004

Ref. No. JA/2502/AJ..... C139

Date 25/02/2005

### EMISSION CONSENT ORDER

With reference to the application dated 20/11/2003 of Sri A.Roy Chowdhury, Vice President, M/s. The ACC Ltd, For Rajanka Lime Stone Mines, Chaibasa Cement Works, Po- Jhinkpani, West Singhbhum for consent under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, he/they is/are granted consent to operate his/their Industrial Plant at Po- Jhinkpani, West Singhbhum, West Singhbhum-833215 for the period from 01/01/2004 to 31/12/2004 with the following conditions :-

1. That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the board and shall also abide by the obligations under sections 22, 23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and shall further extend co-operation to the Board in performing its functions entrusted under sections 24, 25, and 26 of the Act;
2. That, he/they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; rules 4, 5, 7, 9, 10 and 11 of the Hazardous Wastes (Management and Handling) Rules 1989, and 2000, rules 4, 5, 7, 8 10, 11, 12, 13, 15, 17 and 18 of the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989; and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable;
3. That, he/they shall monitor his/their emission(s) and ambient air quality from representative points regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for,
4. That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 31/12/2004 or within 30 days from the date of receipt of this order, whichever is applicable.
5. He/they (Unit) shall submit Environmental Statement by 30th Sept. every year.
6. He/they (Unit) shall submit AAQ monitoring report for every quarter.
7. He/They (Unit) shall prepare and submit plan for rain water harvesting within six months.
8. He/they shall do sprinkling of water time to time on haul roads and dusty areas.
9. He/they (Unit) shall continue tree plantation & shall maintain.
10. The unit shall reclaim abandoned mines regularly
11. The unit shall submit AAQ report from an approved laboratory.

To,  
Sri A.Roy Chowdhury, Vice President  
M/s. The ACC Ltd, For Rajanka Lime Stone Mines, Chaibasa  
Po- Jhinkpani, West Singhbhum  
West Singhbhum-833215  
Phone # :- 235224

*[Signature]*  
25/2/05  
**BOARD ANALYST**

See  
11/6/05

Ph : 0651-2403851  
Fax 0651-2403850



झारखण्ड राज्य प्रदूषण नियंत्रण पण्ड

JHARKHAND STATE POLLUTION CONTROL BOARD

वायु (प्रदूषण निवारण एवं नियंत्रण) अधिनियम 1981 के अन्तर्गत गठित  
CONSTITUTED UNDER THE AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981  
T. A. Division Building (Ground Floor), I.I.T. Campus, Dhanu, Ranchi-834004

Ref No: 1A/2502/A

C 20

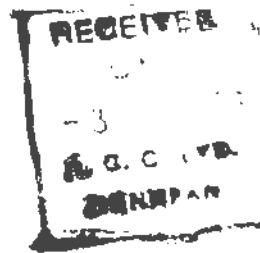
Date: 18/01/2006

EMISSION CONSENT ORDER

25/1/06

With reference to the application dated 28/10/2004 of Sri A Roy Choudhary, Vice President, M/s. The ACC Ltd. For Rajanka Lime Stone Mines, Chaibasa Cement Works, Po- Jhinkpani for consent under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, he/they is/are granted consent to operate his/their Industrial Plant at Po- Jhinkpani, West Singhbhum-833215 for the period from 01/01/2005 to 31/12/2005 with the following conditions :-

1. That, he/they shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the board and shall also abide by the obligations under sections 22, 23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and shall further extend co operation to the Board in performing its functions entrusted under sections 24, 25, and 26 of the Act.
2. That, he/they shall comply with the requirements of rule 11 of the Environment (Protection) Rules, 1986; rules 4, 5, 7, 9, 10 and 11 of the Hazardous Wastes (Management and Handling) Rules 1989, and 2009; rules 4, 5, 7, 8, 10, 11, 12, 13, 15, 17 and 18 of the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989, and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable.
3. That, he/they shall monitor his/their emission(s) and ambient air quality from representative points regularly and shall maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for.
4. That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 31/12/2005 or within 30 days from the date of receipt of this order, whichever is applicable.
5. He/they shall submit Environmental Statement by 30th Sept. every year.
6. He/they shall submit AAQ monitoring report for every quarter.
7. He/they shall do sprinkling of water time to time on haul roads and dusty areas.
8. He/they shall continue tree plantation & shall maintain.
9. The unit shall submit AAQ report from any recognised laboratory of RCI, Jamshedpur.
10. The unit shall reclaim abandoned mines regularly.
11. The unit shall implement Rain Water Harvesting plan within three months.



To,  
Sri A.Roy Choudhary, Vice President  
M/s. The ACC Ltd, For Rajanka Lime Stone Mines, Chaibasa  
Po- Jhinkpani  
West Singhbhum-833215  
Phone # :- 235224

SENDEEN ENGINEER



झारखण्ड राज्य प्रदूषण नियंत्रण पषद

Ph: 0651-2403051  
Fax: 0651-2403850

JHARKHAND STATE POLLUTION CONTROL BOARD

अल (प्रदूषण निवारण एवं नियंत्रण) अधिनियम 1974 के अन्तर्गत गठित  
CONSTITUTED UNDER THE WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974

T. A. Division Building (Ground Floor), I.I.E.C. Campus, Dhurwa, Ranchi-834004

Ref No JA/2500/W/

C-21

Date 18/11/2006

25.1.06

**DISCHARGE CONSENT ORDER**

With reference to the application dated 28/10/2004 of Sri A Roy Choudhary, Vice President, M/s The ACC Ltd, For Rajanka Lime Stone Mines, Po- Jhinkpani for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, he/they is/are granted consent to bring into use his/their new/altered/existing outlet(s) for discharge of trade effluent and / or domestic sewage at Po- Jhinkpani for the period from 01/01/2005 to 31/12/2005 with the following conditions :-

1. That, he/they shall not, make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 21, 31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and shall further extend cooperation to the Board in performing its functions entrusted under sections 20, 21, 23, 30 and 32 of the Act.
2. That, he/they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986, rules 4, 5, 7, 9, 10 and 11 of the Hazardous Wastes (Management and Handling) Rules 1989 and 2000, rules 4, 5, 7, 8, 10, 11, 12, 13, 15 and 18 of the Manufacture Storage and Import of Hazardous Chemical Rules, 1989, and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable.
3. That he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for.
4. That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e 31/12/2005 or within 30 days from the date of receipt of this order, whichever is applicable.
5. He/they shall submit Environmental Statement by 30th Sept. every year.
6. He/they shall monitor and submit the effluent analysis report within consent period.
7. He/they shall conform the quality of effluent to the standard prescribed by the Board.
8. The consent is valid for the existing block F & 1/2 only.
9. The unit shall implement Rain Water Harvesting plan - within three months.
10. The unit shall make arrangement for mine water to be used in cooling water / boiler feed water / sprinkling on haul road as far as possible.

To,  
Sri A.Roy Choudhary, Vice President  
M/s. The ACC Ltd, For Rajanka Lime Stone Mines  
Po- Jhinkpani  
West Singhbhum-833215  
Phone # :- 235224

SEN. EVI. ENGINEER

*(Handwritten signature and initials)*



झारखण्ड राज्य प्रदूषण नियंत्रण पर्वद

Ph: 0651-2403851  
Fax:0651-2403850

**JHARKHAND STATE POLLUTION CONTROL BOARD**

जल (प्रदूषण निवारण एवं नियंत्रण) अधिनियम 1974 के अन्तर्गत गठित  
CONSTITUTED UNDER THE WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974

T. A. Division Building (Ground Floor), H.E.C. Campus, Dhurwa, Ranchi-834004

Ref No. JAC/2500/W/

C-469

Date 11/10/2006

17/11/06

**DISCHARGE CONSENT ORDER**

With reference to the application dated 10/12/2005 of Sri A.Roy Choudhary, Vice President, M/s. The ACC Ltd, For Rajanka Lime Stone Mines, Po- Jhinkpani for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974, he/they is/are granted consent to bring into use his/their new/alterd/existing outlet(s) for discharge of trade effluent and / or domestic sewage at Po- Jhinkpani for the period from 01/01/2006 to 31/12/2006 with the following conditions -

- 1 That, he/they shall not, make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board and shall also abide by the obligations under sections 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and shall further extend cooperation to the Board in performing its functions entrusted under sections 20, 21, 23, 30 and 32 of the Act.
2. That, he/they shall comply with the requirements of rule 14 of the Environment (Protection) Rules, 1986; rules 4, 5, 7, 9, 10 and 11 of the Hazardous Wastes (Management and Handling) Rules 1989 and 2000, rules 4, 5, 7, 8, 10, 11, 12, 13, 15 and 18 of the Manufacture Storage and Import of Hazardous Chemical Rules, 1989, and the provisions of the Public Liability Insurance Act, 1991, whichever is applicable.
- 3 That he/they shall monitor his/their effluent(s) regularly and maintain its quality in conformity with Board's standards and shall produce its proof, as and when asked for,
- 4 That, he/they shall submit application for consent again 30 days before the expiration of the period of consent i.e. 31/12/2006 or within 30 days from the date of receipt of this order, whichever is applicable.
- 5 He/they shall submit Environmental Statement by 30 Sept. every year.
- 6 He/they shall monitor and submit the effluent analysis report within consent period.
- 7 He/they shall conform the quality of effluent to the standard prescribed by the Board.
- 8 The unit shall implement Rain water harvesting plan
- 9 The unit shall make arrangement for mine water to be used in cooling water/boiler feed water/ sprinkling on haul roads as far as possible.

To,  
Sri A.Roy Choudhary, Vice President  
M/s. The ACC Ltd, For Rajanka Lime Stone Mines  
Po- Jhinkpani  
West Singhbhum 833215  
Phone # :- 235224

  
MEMBER SECRETARY

Regd. A/D

CH/ENV/ 0104  
Date: 20.12.2006

**ACC**

To,  
**Regional Officer,  
Jharkhand State Pollution Control Board  
Regional office-cum-Lab, MB/15,  
New Housing Colony,  
Adityapur, Jamshedpur**

ACC Limited  
Chaibasa Cement Works  
P.O. Jhinkpani,  
Singhbhum (W) - 833215  
Jharkhand, India

Dear Sir,

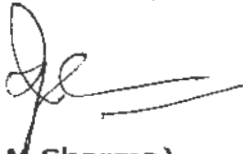
Phone + 91 6589235391/300  
Fax 91 6589235250  
www.acclimited.com

**Sub: Application for Consent for Continuation of Discharge under section 25/26 of the Water (Prevention & Control of Pollution) Act 1974 for Rajanka Limestone Mine.**

Please find enclosed herewith consent for continuation of discharge form dully filled in triplicate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 along with required document and demand draft (DD No. 980344 dtd. 20.12.2006 for Rs. 10,000/- in favour of 'Member Secretary, Jharkhand State Pollution Control Board, Ranchi') for our Rajanka Limestone Mine.

We request your goodself to grant us Consent for Continuation of Emission for one-year i.e. from 01.01.2007 to 31.12.2007.

Yours Faithfully  
For ACC Limited



**(I M Sharma)**  
Plant Head

**Chaibasa Cement Works**

Encl. Consent application form in triplicate along with demand draft no. 980344 dtd. 20.12.2006 for Rs. 10000/-of SBI Tonto (3583).

CC : The Member Secretary, Jharkhand State Pollution Control Board,  
Head Office -TA Division, H.E.C. Complex, Near Goal Chakkar,  
Dhurwa, Ranchi -4, Jharkhand.

Received  
By  
12-01-07  
R.O-cum Laboratory  
JSPC Board, Adityapur  
Jamshedpur-13

**Jharkhand State Pollution Control Board  
Ranchi**

**SCHEDULE I**

(Form -IV A)

For Industries

(To be submitted in Triplicate)

Application for consent for discharge continuation of discharge under section 25/26 of the  
Water (Prevention and Control of Pollution) Act, 1974  
(.See Rule 22 )

From

Date : 20.12.2006

Plant Head,  
ACC Limited Chaibasa Cement Works  
Rajanka Limestone Mines  
P.O. -Jhinkpani (833 215)  
Dist. - Singhbhum ( West ), Jharkhand

To.

Member-Secretary  
Jharkhand State Pollution Control Board,  
Ranchi.

Sir

I/We apply for consent under section 25/26 of water (Prevention and Control of  
Pollution Act 1974 ) of 1974 ) \* to bring to use new or altered outlets for the discharge of  
\* Sewage/ trade effluent\* from land/ premises owned by (1) **Rajanka Limestone Mines of M/s.  
ACC Limited, Chaibasa Cement Works** for a period upto (2) **01.01.2007 to 31.12.2007** as per  
details given in the Annexure.

(2) The Annexure, appendices, other particulars and plans are attached herewith in triplicate

(3) I/We further declare that the information furnished in the annexures, appendices and plan is  
correct to the best of my/ our knowledge

(4) I/We hereby submit that in case of change either of point or the quantity of discharge or its  
quality a fresh application for CONSENT shall be made and until such CONSENT is granted  
no change shall be made. I/We hereby agree to submit to the Board an application for  
renewal consent one month in advance to the date of expiry of the consented period for  
outlet/discharge if to be continued thereafter.

(5) I/We undertake to furnish any other information within one month of its being called for by  
the Board

Yours faithfully,

Signature



Name of applicant-

I.M. Sharma

Address of applicant -

Plant Head, Chaibasa Cement Works  
Rajanka Limestone Mines,  
P.O. - Jhinkpani -833 215,  
Dist.- Singhbhum ( West), Jharkhand.

Note - Strike out entries not relevant

## Accompaniment

- (i) Index / site plan.
- (ii) Detailed lay out plan showing source of water supply, river, water treatment work, storm drains, nallah and sewage /effluent treatment work etc.
- (iii) Sewage /effluent treatment flow sheet.
- (iv) Process flow sheet.
- (v) Copy of latest analysis report of sewage/effluents.
- (vi) Plan of final outlet points.
- (vii) Draft No **980344** dated **20.12.2006** for Rs **10000/-** drawn on **Member Secretary, JSPCB, Ranchi** the consent fee

## ANNEXURE TO FORM

Outlet / discharge

( Existing /New / Altered )

Note Any applicant knowingly giving incorrect information or suppressing any information pertaining there to shall be liable for any actions under the provisions of the Act

While filing the annexure the applicant shall, for such of the items not pertaining to his activity shall for such "Applicable" against the relevant one and not leave blank

- 1 (a) Full name of the applicant with address. **I.M. Sharma, Plant Head  
ACC Limited, Chaibasa Cement Works  
P.O. - Jhinkpani, Dist. - Singhbhum (West)  
Jharkhand**
- (b) If the firm registered? **Yes**
- (c) If yes Give the number and date of registration **Factory License - 1679/SBM  
Mining Lease Regd. Nos. 912, dtd. 18.03.1971  
& 2082 dtd. 18.11.1965**
- (d) Full address of the registered office **ACC Limited,  
121, Maharshi Karve Road, Mumbai  
400 020**
- (e) Names, Designation and full address of Occupier/occupiers/etc., of persons like, partners/Managing Director/Directors/ Manager etc. incharge of the company :- **1) Mr. N.S. Sekhseria, Chairman  
2) Mr. Paul Hugentobler, Dy. Chairman  
3) Mr. M.L. Narula, M.D.  
4) Mr. I.M. Sharma, Plant Head**
- 2 Full location premises/ Institute/factory/ Industry with detail address **ACC Limited,  
Chaibasa Cement Works,  
Rajanka Limestone Mines, P.O.- Jhinkpani  
Dist. - Singhbhum (West) 833 215  
Jharkhand  
(Tel No.) - 06589 - 235224  
Telegraphic Address- CHAIBACEMT**
- 3 Give revenue/ City survey number of land/ premises for which the application is made **District - Singhbhum (West)  
Taluka - -  
Town - -  
Village - Dokatta, Kondwa, Rajanka  
City survey no. -  
Mauza No - 595, 593, 592  
Revenue survey No. - -----  
Area in Hectares --- 145.37**
- 4 State month and the year in which the land / premises / institute / factory/ industries was actually put into the commission **1947**

5. State the Civil / Military / Collectorate/ Defence/Industrial Estate etc., under whose administrative Jurisdiction the applicant's land / premises is situated.

Chaibasa

Corporation - N.A.  
 Vill. Panchayat - Rajanka  
 Cantonment - N.A.  
 Defence Deptt - N.A.  
 Port trust - N.A.  
 State Govt - Jharkhand  
 Prohibited area - -----

6. (a) State whether the land /premises Industry/ factory / has been declared as prohibited area-

Yes / No

- (b) If yes, state the name of the Authority and furnish the certified copy of order vide which the area has been declared as prohibited area-

As per Mines Act, 1952

7. State Working season per year for the Industry /factory

Full Year - Yes  
 From - January to - December

7. (a) No. of workers attending the factory per day

80

- (b) No. of person residing in the premise

Nil

9. (a) Give the list of all materials, such as metals, alloys, chemicals, oil, fuel used per month in metric tonnes -

Metals and alloys

Name

Chemicals (a) In organic

Weight - 640 MTPA  
 Name - Explosives

(b) Organic

Weight -  
 Name - Not Applicable

(c) Dyes

Weight -  
 Name - Not Applicable

(d) Pesticide

Weight -  
 Name - Not Applicable

Oil and Grease	Name - Oil	Grease
	Weight -35.0 KL per Annum (Vol.)	3.6 MTPA

Fuels	a) Wood	Name - Not Applicable
		Weight -
	(b) Coal	Name - Not Applicable
		Weight -
	(c) Oil	Name - High Speed Diesel Oil
		Weight - 1700 KL per Annum
	(d) Grease	Name - Not Applicable
		Weight - -----

Other materials	Name - Not Applicable
	Weight

(b) Give the list of name of products and by products manufactured per month in (M. T.)	Sr. No.	Name of Product	Qty in M.T. per month
		<b>No Product is manufactured, only limestone. (2.11 MTPA)</b>	
(c) Give the list of intermediate products		<b>Not Applicable</b>	

10 State daily quantity of water utilised in Kilo liter	Uses			
	Industrial	Domestic	agriculture	Other
	165	5	25	

11 State the daily maximum quantity of effluent arising from land/ premises for which the application is made	( In Kilo Liters)
(a) Domestic	3 KL goes to Septic tank & soak pit
(b) Industrial	Nil
(c) Other uses	
(d) Total quantity of effluent	----- 3 KL -----

- 12 State whether storm water drains are kept separate from the Industrial / domestic effluents **Not Applicable** Yes / No
- 13 Is domestic effluents allowed to get mixed in industrial effluent. **Not Applicable** Yes /No
- 14 State if the treatment for industrial or domestic effluents or one for combined effluent is made **Yes/ No**  
If yes. State the process of treatment in brief ( Separately for each treatment plant)

**Septic tank with soak pit is provided with domestic effluent.**

- 15 Is there any provision for disposal of
- (a) Domestic effluent in public underground sewer **Already made** **Proposed to be made**  
**Yes / No** **Yes / No**
- (b) Industrial effluent in public underground sewer **Yes / No** **Yes / No**  
**Not Applicable**
- (c) Give name of Authority owning the sewer

- 16 Is there any provision for disposal of
- (a) Domestic effluent over land for irrigation **Already made** **Proposed to be made**  
**Yes / No** **Yes / No**
- (b) Industrial effluent over land for irrigation **Yes / No** **Yes / No**  
**Not Applicable**
- (c) Domestic effluent in the underground strata **Yes / No** **Yes / No**
- (d) Industrial effluent in the underground strata **Yes / No** **Yes / No**  
**Not Applicable**
- (e) State the area of land used for a and b above in hectares with details of ownership of the land

- 17 Give quantitative disposal of effluent in Kilo liters provided for the place mentioned below

	Domestics	Industrial	Mixed
i Stream / river	Nil	Nil	Nil
ii On land for irrigation	-----	-----	-----

	(6)	Domestics	Industrial	Mixed
iii Lake / Pond		-----	-----	-----
iv Tidal waters		-----	-----	-----
v Open Sea		-----	-----	-----
vi Estuarine waters		-----	-----	-----
vii Public under ground sewer		-----	-----	-----
18 Is there any provision for equalizing or holding lagoons or tanks to store the effluent during unfavorable streams or tidal conditions	Already made		Proposed to be made	
(i) Domestic effluent		Not Applicable		Not Applicable
(ii) Industrial effluent		Not Applicable		Not Applicable
(iii) Combined effluent		Not Applicable		Not Applicable
19 Details of land available / can be made available in case of pumping of effluent on land have to be considered.	Yes/ No			
		Not Applicable		
20 Give details of composition of Domestic / Industrial / Combined effluents in respect of the following:	<b>Not Applicable , No industrial effluent is expected.</b>			

Parameters	Effluent before treatment	Effluent after treatment
<b>Mines Discharge Water</b>		
A General Parameters –r		
(i) pH	7.6 – 7.9	
(ii) colour Unit	-----	
(iii) Temperature 'C'	-----	
(iv) Suspended solids	Nil	
(a) Total mg/l	-----	
(b) Fixed mg/l	-----	
(c) Volatile mg/l	-----	
(v) Dissolved solid		
(a) Total mg/l	-----	
(b) Fixed mg/l	-----	
(c) Volatile mg/l	-----	
(vi) Total volatile solid mg/l	-----	
(vii) Dissolved Oxygen mg/l	-----	
(viii) BOD 5days 20 C mg/l	-----	
(ix) COD mg/l	-----	
(x) Oil & grease mg/l	Nil	

## B Chemical Parameters :-

(i) Ammonical Nitrogen (mg/l) N	-----
(ii) Nitrate (mg/l)	-----
(iii) Chlorides (mg/l) (as Cl)	-----
(iv) Phosphates (mg/l) (as P)	-----
(v) Phenolic Compounds (mg/l) (as phenol)	-----
(vi) Cyanides (mg/l) (as CN)	-----
(vii) Sulphide (mg/l) (as S)	-----
(viii) Sulphate (mg/l) (as SO <sub>4</sub> )	-----
(ix) Insecticides (mg/l)	-----
(x) Total residual chlorine (as Cl <sub>2</sub> ) (mg/l)	-----
(xi) Fluorides (as F) (mg/l)	<b>0.54</b>
(xii) Percent Sodium	-----
(xiii) Pesticide (mg/l)	-----

## C Heavy Metals

(i) Boron (as B) (mg/l)	-----
(ii) Arsenic (as As) (mg/l)	-----
(iii) Barium (as Ba) (mg/l)	-----
(iv) Cadmium (as Cd) (mg/l)	-----
(v) Copper (as Cu) (mg/l)	-----
(vi) Lead (as Pb) (mg/l)	-----
(vii) Chromium (as Cr) (mg/l)	-----
(viii) Mercury (as Hg) (mg/l)	-----
(ix) Nickel (as Ni) (mg/l)	-----
(x) Selenium (as Se) (mg/l)	-----
(xi) Silver (as Ag) (mg/l)	-----
(xii) Zinc (as Zn) (mg/l)	-----
(xiii) Any other metals (mg/l)	-----

Note - Furnish a copy of the analysis report of representative samples carried out by the approved laboratory.

21. Indicate the facilities available for waters.

**Abandoned Mines, working mines**

		(8)		
22. State details for solid waste	Description	Qty.	Method of collection	Method of disposal
(i) Process water	-----	----	-----	-----
(ii) Seasonal wastes	-----	----	-----	-----
(iii) Spillage	-----	----	-----	-----
(iv) Reject materials	<b>Over burden</b>	<b>1.80 Lakh MT/month</b>	<b>Mining</b>	<b>utilized for reclamation</b>

- 21 (a) Total investment on the industry and the year of investment -
- Rs. 0.5 Crores in 1947-48  
Rs. 17.5 Crore (2004-2005)
- (b) Estimated expenditure for implementing the scheme to control the water pollution
- Not Applicable
- (c) Expenditure Incurred up to date and progress achieved ( Physical) for treatment of effluent. If any and the year/ years of investment along with the Physical Progress achieved ( The Firm should give details of action taken to date and the expenditure incurred and the time required for the completion of the same )
- Not Applicable
- (d) Annual operation and maintenance cost for effluent treatment plant if any
- Not Applicable
- (e) Further action that is being taken by the firm to control water pollution.
- Not Applicable

24 Any other information

Nil

Signature



Name & address of applicant on the behalf of

**I.M. Sharma, Plant Head  
Chaibasa Cement Works  
Rajanka Limestone Mines**

Name & Address of the firm-

**ACC Limited  
Chaibasa Cement Works,  
Rajanka Limestone Mines, P.O.- Jhinkpani  
Dist.- Singhbhum ( West ) 833 215  
Jharkhand**

The applicant is hereby instructed to make himself familiarised with the water (Prevention & Control of Pollution) Act, 1974 before attempting to fill up the form

कंप्यूटर द्वारा मुद्रित होने पर ही वैध है  
 VALID ONLY IF COMPUTER PRINTED  
 वैधता अवधि: छह माह के लिए ही वैध है  
 VALID FOR SIX MONTHS ONLY

बैंक का नाम: भारतीय स्टेट बैंक  
 बैंक का शाखा: टोंटो  
 DRAWING BRANCH Tel No.: 06589235228

कोड नं. CODE NO

0 3583

₹. 50,000/- एवं अधिक के निशान की प्रतिलिपियाँ द्वारा प्रस्तावित होने पर ही वैध है।  
 INSTRUMENT FOR ₹50,000 AND OVER IS VALID ONLY WHEN SIGNED BY TWO OFFICERS

DATE  
 20/12/2006

मांगे जाने पर ON DEMAND PAY JHARKHAND STATE POLLUTION CONTROL BOARD.  
 RANCHI\*\*\*JHARKHAND STATE POLLUTION CONTROL BOARD,RANCHI\*\*\*

या उनके आदेश पर OR ORDER

रुपये RUPEES

ONE	ZERO	ZERO	ZERO	ZERO
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 Sr. No.: 06/000460  
 KEY : OUPHUS

AMOUNT BELOW 10001 (1/3)  
 अथवा करें। मूल्य प्राप्त VALUE RECEIVED

भारतीय स्टेट बैंक  
 STATE BANK OF INDIA

प्राधिकृत हस्ताक्षरकर्ता AUTHORIZED SIGNATORY

(हस्ताक्षर नमूना क्र०/S.S. NO

*Ranjit K. Ram*

शाखा प्रबंधक / BRANCH MANAGER

रजित के राम  
 हस्ताक्षर नमूना क्र०/S.S. NO  
 RANJIT K. RAM

0917

RANCHI  
 शाखा का नाम / DRAWEE BRANCH

कोड नं. CODE NO

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CH/ENV/ 003505  
Date: 30.11.2007

To,

The Regional Officer,  
Jharkhand State Pollution Control Board  
Regional office-cum-Lab MB/15,  
New Housing colony, Adityapur,  
Jamshedpur

ACC Limited  
Chaibasa Cement Works  
P.O. Jhinkpani  
Singhbhum (W) - 833215  
Jharkhand, India

Phone: +91-6589-235224  
Fax : +91-6589 -235250  
www.acclimited.com

Dear Sir,

**Sub : Application for Consent for continuation of discharge under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 for Rajanka limestone mine.**

Please find enclosed herewith application for Consent for Continuation of discharge form under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 for duly filled in triplicate along with required document and an a/c payee DD no. 245264 dated 23/11/2007 worth Rs. 10000 in favour of the Member Secretary, Jharkhand State Pollution Control Board, Ranchi payable at Ranchi towards the prescribed consent application fee for our Rajanka limestone mine.

We request you to grant us consent for Continuation of discharge for one year i.e. from 01.01.2008 to 31.12.2008.

Yours faithfully

For ACC Limited



(U M Sharma)  
Plant Head  
Chaibasa Cement Works

Enclosures:

1. A/c payee DD no. 245264 dated 23/11/2007 worth Rs. 10000 in favour of the Member Secretary, Jharkhand State Pollution Control Board, Ranchi payable at Ranchi towards the prescribed consent application.
2. Filled in Application for Consent for Continuation of Discharge form in triplicate

Received  
Dwivedi  
10/12/07

**Jharkhand State Pollution Control Board  
Ranchi**

**SCHEDULE I**

(Form -IV A)

For Industries

(To be submitted in Triplicate)

Application for consent for ~~discharge~~ continuation of discharge under section 25/26 of the  
Water (Prevention and Control of Pollution) Act, 1974  
(See Rule 22)

From :

Date : 30 11 2007

Plant Head,  
ACC Limited  
Chaibasa Cement Works  
Rajanka Limestone Mines  
P.O. Jhinkpani 833215  
Dist. West Singhbhum  
Jharkhand

To,

The Member Secretary  
Jharkhand State Pollution Control Board,  
Ranchi.

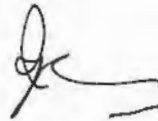
Sir,

I/We apply for consent under section 25/26 of water (Prevention and Control of Pollution) Act, 1974 (6 Of 1974) \* to bring to use ~~new or altered~~ outlets for the discharge of \* Sewage/ trade effluent\* from land/ premises owned by (1) **Rajanka Limestone Mines of M/s. ACC Limited, Chaibasa Cement Works** for a period upto (2) **01.01.2008 to 31.12.2008** as per details given In the Annexure;

- (2) The Annexure, appendices, other particulars and plans are attached herewith in triplicate
- 
- (3) I/We further declare that the information furnished in the annexures, appendices and plan is correct to the best of my/ our knowledge.
- (4) I/We hereby submit that in case of change either of point or the quantity of discharge or its, quality, a fresh application for CONSENT shall be made and until such CONSENT is granted no change shall be made. I/We hereby agree to submit to the Board an application for renewal consent one month in advance to the date of expiry of the consented period for outlet/discharge, if to be continued thereafter.
- (5) I/We undertake to furnished any other information within one month of its being called for by the Board.

Yours faithfully,

Signature



Name of applicant-

I.M. Sharma

Address of applicant -

Plant Head, Chaibasa Cement Works  
Rajanka Limestone Mines,  
P.O. Jhinkpani 833 215  
Dist. West Singhbhum, Jharkhand

Note . Strike out entries not relevant

## Accompaniment -

- (i) Index / site plan
- (ii) Detailed lay out plan showing source of water supply, river, water treatment work, storm drains, nallah and sewage effluent treatment work etc
- (iii) Sewage /effluent treatment flow sheet
- (iv) Process flow sheet
- (v) Copy of latest analysis report of sewage/effluents
- (vi) Plan of final outlet points
- (vii) Draft No. 245264 dated 23/11/2007 for Rs 10000 drawn on Member Secretary, JSPCB, Ranchi the consent fee

## ANNEXURE TO FORM

Outlet / discharge

( Existing / New / Altered )

Note: Any applicant knowingly giving incorrect information or suppressing any information pertaining there to shall be liable for any actions under the provisions of the Act

While filing the annexure the applicant shall, for such of the items not pertaining to his activity shall, for such "Applicable" against the relevant one and not leave blank.

1. (a) Full name of the applicant with address. I.M. Sharma, Plant Head  
ACC Limited  
Chaibasa Cement Works  
P.O. Jhinkpani 833215  
Dist. West Singhbhum  
Jharkhand
- (b) If the firm registered? Yes
- (c) If yes, Give the number and date of registration Factory License no 1679/SBM  
Mining Lease Regd. no 912 dated 18.03.1971 &  
2082 dated 18.11.1965
- (d) Full address of the registered office. ACC Limited  
Cement House  
121 Maharshi Karve Road  
Mumbai 400020
- (e) Names, designation and full address of Occupier/ occupiers/etc., of persons like, partners/Managing Director/Directors/ Manager etc. in charge of the company. - Mr. Sumit Banerjee  
Managing Director  
ACC Limited  
Cement House  
121 Maharshi Karve Road  
Mumbai 400020
- 2 Full location premises/  
Institute/factory/ Industry  
with detail address ACC Limited, Chaibasa Cement Works  
Rajanka Limestone Mines  
P O Jhinkpani 833215  
Dist West Singhbhum Jharkhand
3. Give revenue/ City serve  
number of land/ premises for which the  
application is made. District West Singhbhum  
Taluka -  
Town -  
Village - Dokatta, Kondwa, Rajanka  
City survey no. -  
Mauza No. - 595, 593, 592  
Revenue survey No - -----  
Area in Hectares 145.37
- 4 State month and the year in which the  
land / premises / institute / factory/  
industries was actually put into the commission 1947

5. State the Civil / Military / **Collectorate/** Charbasa  
Defence/Industrial Estate etc., under  
whose administrative Jurisdiction the  
applicant's land / premises is situated
- Corporation - N.A.  
Vill. Panchayat - Rajanka  
Cantonment - N.A.  
Defence Dept - N.A.  
Port trust - N.A.  
State Govt - Jharkhand  
Prohibited area - NA
6. (a) State whether the land /premises  
Industry/ factory / has been declared  
as prohibited area- Yes / No
- (b) If yes, state the name of the  
Authority and furnish the certified  
copy of order vide which  
the area has been declared as  
prohibited area- As per Mines Act 1952
7. State Working season per year for the  
Industry /factory Full Year - Yes  
From - January to - December
7. (a) No. of workers attending the  
factory per day. 87
- (b) No. of person residing in the  
premises. Nil
9. (a) Give the list of all materials, such as metals, alloys, chemicals, oil, fuel used per month  
in metric tonnes :-

Metals and alloys	Name			
Chemicals (a) In organic	Weight - 50	12.5	12000 mtr	1250 nos
	Name - Ammonium Nitrate	Nitro mixture	Detonating fuses	Detonators
(b) Organic	Weight -			
	Name - Not Applicable			
(c) Dyes	Weight -			
	Name - Not Applicable			
(d) Pesticide	Weight -			
	Name - Not Applicable			

Oil and Grease	Name -	Oil	Grease
	Weight -	3.5 Kl	300 Kg

Fuels	(a) Wood	Name - Not Applicable
		Weight -
	(b) Coal	Name - Not Applicable
		Weight -
	(c) Oil	Name - HSD
		Weight - 175 Kl
	(d) Grease	Name - Not Applicable
		Weight -

Other materials	Name - Not Applicable
	Weight

(b) Give the list of name of products and by products manufactured per month in (M.T.)	Sr. No.	Name of Product	Qty. in M.T. per month
	1	Raising of limestone	2.11 MTPA
(c) Give the list of intermediate products	Not Applicable		

10. State daily quantity of water utilised in Kilo liter	Uses			
	Industrial (dust suppression)	Domestic (Offices)	agriculture (plantation)	Other
	165	5	25	0

11. State the daily maximum quantity of effluent arising from land/ premises for which the application is made :-	(In Kilo Liters)
(a) Domestic --	3
(b) Industrial --	0
(c) Other uses --	0
(d) Total quantity of effluent--	3

12. State whether storm water drains are kept separate from the Industrial / domestic effluents Yes / ~~No~~
13. Is domestic effluents allowed to get mixed in industrial effluent. ~~Yes~~ / No
14. State if the treatment for industrial or domestic effluents or one for combined effluent is made. Yes / No  
 If yes, State the process of treatment in brief ( Separately for each treatment plant) Domestic effluent is treated through Septic tanks and soak pits.
15. Is there any provision for disposal of.
- |   |                            |                                 |
|---|----------------------------|---------------------------------|
| (a) Domestic effluent in public underground sewer.    | Already made<br>Yes / No   | Proposed to be made<br>Yes / No |
| (b) Industrial effluent in public under ground sewer. | Yes / No<br>Not Applicable | Yes / No                        |
| (c) Give name of Authority owning the sewer.          | No sewer exists            |                                 |
16. Is there any provision for disposal of.
- |   |                            |                                 |
|---|----------------------------|---------------------------------|
| (a) Domestic effluent over land for irrigation.   | Already made<br>Yes / No   | Proposed to be made<br>Yes / No |
| (b) Industrial effluent over land for irrigation.   | Yes / No<br>Not Applicable | Yes / No                        |
| (c) Domestic effluent in the under-ground strata  | Yes / No                   | Yes / No                        |
| (d) Industrial effluent in the under-ground strata.   | Yes / No<br>Not Applicable | Yes / No                        |
| (e) State the area of land used for a and b above in hectares with details of ownership of the land | Not applicable             |                                 |
17. Give quantitative disposal of effluent in Kilo liters provided for the place mentioned below
- |                           | Domestics | Industrial | Mixed |
|---------------------------|-----------|------------|-------|
| i. Stream / river         | Nil       | Nil        | Nil   |
| ii On land for irrigation | Nil       | Nil        | Nil   |

	(6)	Domestics	Industrial	Mixed
iii Lake /Pond		Nil	Nil	Nil
iv Tidal waters		Nil	Nil	Nil
v Open Sea		Nil	Nil	Nil
vi Esturine waters		Nil	Nil	Nil
vii Public under ground sewer		Nil	Nil	Nil
18. Is there any provision for equalizing or holding lagoons or tanks to store the effluent during unfavorable streams or tidal conditions		Already made	Proposed to be made	
(i) Domestic effluent		Not Applicable	Not Applicable	
(ii) Industrial effluent		Not Applicable	Not Applicable	
(iii) Combined effluent		Not Applicable	Not Applicable	
19. Details of land available / can be made available in case of pumping of effluent on land have to be considered		Yes/ No		

20. Give details of composition of Domestic / Industrial / Combined effluents in respect of the following:- No industrial effluent is generated. Domestic effluent is treated and disposed thro' Septic tank & soak pit.

Parameters	Effluent before treatment	Effluent after treatment
A. General Parameters –		
(i) pH	-----	
(ii) Colour Unit	-----	
(iii) Temperature 'C'	-----	
(iv) Suspended solids		
(a) Total mg/l	-----	
(b) Fixed mg/l	-----	
(c) Volatile mg/l	-----	
(v) Dissolved solid		
(a) Total mg/l	-----	
(b) Fixed mg/l	-----	
(c) Volatile mg/l	-----	
(vi) Total volatile solid mg/l	-----	
(vii) Dissolved Oxygen mg/l	-----	
(viii) BOD 5days 20 C mg/l	-----	
(ix) C O D mg/l	-----	
(x) Oil & grease mg/l	-----	

B. Chemical Parameters -

- (i) Ammoniacal Nitrogen (mg/l N) .....
- (ii) Nitrate (mg/l) .....
- (iii) Chlorides (mg/l (as Cl)) .....
- (iv) Phosphates (mg/l (as P)) .....
- (v) Phenolic Compounds, mg/l (as phenol) .....
- (vi) Cyanides, Mg/l (as CN) .....
- (vii) Sulphide mg/l (as S) .....
- (viii) Sulphate mg/l (as SO<sub>4</sub>) .....
- (ix) Insecticides mg/l .....
- (x) Total residual chlorine (as Cl<sub>2</sub>) mg/l .....
- (xi) Fluorides (as F) mg/l .....
- (xii) Percent Sodium .....
- (xiii) Pesticide, mg/l .....

C. Heavy metals

- (i) Boron (as B) mg/l .....
- (ii) Arsenic (as As) mg/l .....
- (iii) Barium (as Ba) mg/l .....
- (iv) Cadmium (as Cd) mg/l .....
- (v) Copper (as Cu) mg/l .....
- (vi) Lead (as Pb) mg/l .....
- (vii) Chromium (as Cr) mg/l .....
- (viii) Mercury (as Hg) mg/l .....
- (ix) Nickel (as Ni) mg/l .....
- (x) Selenium (as Se) mg/l .....
- (xi) Silver (as Ag) mg/l .....
- (xii) Zinc (as Zn) mg/l .....
- (xiii) Any other metals mg/l .....

Note- Furnish a copy of the analysis report of representative samples carried out by the approved laboratory (Copy of analysis report enclosed as Annexure 1)

21. Indicate the facilities available for waters. Water accumulated in active mine pit. Rainwater harvested in abandoned mine pits

22 State details for solid waste	Description	Qty (Ton/annum)	Method of collection	Method of disposal
(i) Process water	Nil	Nil	Nil	Nil
(ii) Seasonal wastes	Nil	Nil	Nil	Nil
(iii) Spillage	Nil	Nil	Nil	Nil
(iv) Reject materials	Overburden	33.7 Lac Ton	Mining	Entire quantity reused in mine reclamation

21 (a) Total investment on the industry and the year of investment -	INR 0.5 Crores in 1947-1948 INR 17.5 Crores in 2004-2005
(b) Estimated expenditure for implementing the scheme to control the water pollution.	Not Applicable
(c) Expenditure incurred up to date and progress achieved (Physical) for treatment of effluent. If any and the year/ years of investment along with the Physical Progress achieved. (The Firm should give details of action taken to date and the expenditure incurred and the time required for the completion of the same.)	Not Applicable
(d) Annual operation and maintenance cost of effluent treatment plant if any.	Not Applicable
(e) Further action that is being taken by the firm to control water pollution.	Not Applicable
24 Any other information.	Nil

Signature



Name &amp; address of applicant on the behalf of

**I.M. Sharma, Plant Head  
Chaibasa Cement Works  
Rajanka Limestone Mines**

Name &amp; Address of the firm-

**ACC Limited  
Chaibasa Cement Works  
Rajanka Limestone Mines  
P.O. Jhinkpani 833215  
Dist. West Singhbhum  
Jharkhand**

The applicant is hereby instructed to make himself familiarised with the water (Prevention & Control of Pollution) Act, 1974 before attempting to fill up the form.

By Courier

(C/C)

**ACC**

CH/ENV/ 001800  
Date: November 23, 2009

To,

**Regional Officer,  
Jharkhand State Pollution Control Board  
Regional office - cum - laboratory, MB/15,  
New Housing Colony, Adityapur,  
Jamshedpur**

**ACC Limited  
Chaibasa Cement Works  
P.O. Jhinkpani  
Singbhum (W) - 833215  
Jharkhand, India**

Phone: +91-6589-235224  
Fax : +91-6589-235250  
www.acclimited.com

Dear Sir,

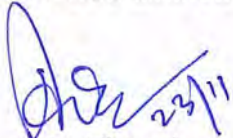
**Sub.: Application for consent for continuation of discharge under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 for Rajanka limestone mine.**

Dear Sir,

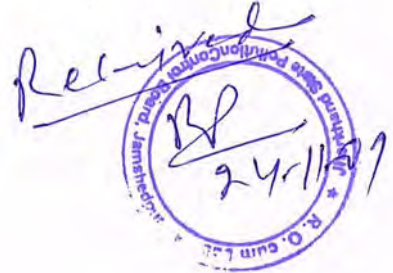
Please find enclosed herewith application for consent for continuation of discharge form under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 dully filled in triplicate along with required document and a/c payee demand draft worth Rs. 50,000/- in favour of 'Member Secretary, Jharkhand State Pollution Control Board', payable at Ranchi, towards the prescribed consent application fee for our Rajanka limestone mine.

We request you to grant us consent for continuation of discharge for one-year i.e. from 01.01.2010 to 31.12.2010.

Yours Faithfully  
For ACC Limited



**G.P. Tiwari  
Director Plant  
Chaibasa Cement Works**



Enclosures:

1. A/c payee DD No.239922 dated 19.11.2009 worth Rs, 50,000/- .
2. Filled in Application for consent for continuation of discharge form in triplicate.

**Jharkhand State Pollution Control Board  
Ranchi**

**SCHEDULE I**

(Form -IV A)

For Industries

(To be submitted in Triplicate)

**Application for consent for discharge continuation of discharge under section 25/26 of the  
Water (Prevention and Control of Pollution) Act, 1974.**

(See Rule 22)

From :

Date : 23.11.2009

Director Plant,  
ACC Limited  
Chaibasa Cement Works  
Rajanka Limestone Mines  
P.O. Jhinkpani 833215  
Dist. West Singhbhum  
Jharkhand

To,

The Member Secretary  
Jharkhand State Pollution Control Board,  
Ranchi.

Sir,

I/We apply for consent under section 25/26 of water (Prevention and Control of Pollution) Act, 1974 (6 Of 1974) \* to bring to use new or altered outlets for the discharge of \* Sewage/ trade effluent\* from land/ premises owned by (1) **Rajanka Limestone Mines of M/s. ACC Limited, Chaibasa Cement Works** for a period upto (2) **01.01.2010 to 31.12.2010** as per details given in the Annexure;

- (2) The Annexure, appendices, other particulars and plans are attached herewith in triplicate
- (3) I/We further declare that the information furnished in the annexures, appendices and plan is correct to the best of my/ our knowledge.
- (4) I/We hereby submit that in case of change either of point or the quantity of discharge or its, quality, a fresh application for CONSENT shall be made and until such CONSENT is granted no change shall be made. I/We hereby agree to submit to the Board an application for renewal consent one month in advance to the date of expiry of the consented period for outlet/discharge, if to be continued thereafter.
- (5) I/We undertake to furnished any other information within one month of its being called for by the Board.

Yours faithfully,

Signature



Name of applicant-  
Address of applicant -

G.P. Tiwari  
Director Plant,  
Chaibasa Cement Works  
Rajanka Limestone Mines,  
P.O. Jhinkpani 833 215  
Dist. West Singhbhum, Jharkhand



Note : Strike out entries not relevant

Accompaniment :-

- (i) Index / site plan.
- (ii) Detailed lay out plan showing source of water supply, river, water treatment work, storm drains, nallah and sewage /effluent treatment work etc.
- (iii) Sewage /effluent treatment flow sheet.
- (iv) Process flow sheet.
- (v) Copy of latest analysis report of sewage/effluents.
- (vi) Plan of final outlet points.
- (vii) Draft No. **239922** dated **19.11.2009** for Rs. **50,000/-** drawn on Member Secretary, JSPCB, Ranchi the consent fee.

**ANNEXURE TO FORM**

Outlet / discharge

( **Existing /-New / Altered** )

**Note:** Any applicant knowingly giving incorrect information or suppressing any information pertaining there to shall be liable for any actions under the provisions of the Act.

While filing the annexure the applicant shall, for such of the items not pertaining to his activity shall, for such "Applicable" against the relevant one and not leave blank.

- |   |   |
|---|---|
| 1. (a) Full name of the applicant with address.   | <b>G.P. Tiwari, Director Plant<br/>ACC Limited<br/>Chaibasa Cement Works<br/>P.O. Jhinkpani 833215<br/>Dist. West Singhbhum<br/>Jharkhand</b>   |
| (b) If the firm registered ?  | <b>Yes</b>  |
| (c) If yes, Give the number and date of registration  | <b>Factory License no. SBM/1679<br/>Mining Lease Regd. no 912 dated 18.03.1971<br/>&amp; 2082 dated 18.11.1965</b>  |
| (d) Full address of the registered office.  | <b>ACC Limited<br/>Cement House<br/>121 Maharshi Karve Road<br/>Mumbai 400020</b>   |
| (e) Names, designation and full address of Occupier/ occupiers/etc., of persons like, partners/Managing Director/Directors/ Manager etc. incharge of the company :- | <b>Mr. Sumit Banerjee<br/>Managing Director<br/>ACC Limited<br/>Cement House<br/>121 Maharshi Karve Road<br/>Mumbai 400020</b>  |
| 2. Full location premises/<br>Institute/factory/ Industry<br>with detail address  | <b>ACC Limited, Chaibasa Cement Works<br/>Rajanka Limestone Mines<br/>P.O. Jhinkpani 833215<br/>Dist. West Singhbhum, Jharkhand</b>   |
| 3. Give revenue/ City serve<br>number of land/ premises for which the<br>application is made.   | <b>District West Singhbhum<br/>Taluka -<br/>Town -<br/>Village - Dokatta, Kondwa, Rajanka<br/>City survey no. -<br/>Mauza No. - 595, 593, 592<br/>Revenue survey No. - -----<br/>Area in Hectares. 145.37</b> |
| 4. State month and the year in which the<br>land / premises / institute / factory/<br>industries was actually put into the commission.                              | <b>1947</b>   |

5. State the Civil/Military / Collectorate/ Defence/Industrial-Estate etc., under whose administrative Jurisdiction the applicant's land / premises is situated

**Chaibasa**

Corporation -	<b>Not Applicable</b>
Vill. Panchayat -	<b>Rajanka</b>
Cantonment -	<b>Not Applicable</b>
Defence Dept. -	<b>Not Applicable</b>
Port trust -	<b>Not Applicable</b>
State Govt. -	<b>Jharkhand</b>
Prohibited area -	<b>Not Applicable</b>

6. (a) State whether the land /premises Industry/ factory / has been declared as prohibited area-

Yes / No

- (b) If yes, state the name of the Authority and furnish the certified copy of order vide which the area has been declared as prohibited area-

**As per Mines Act, 1952**

7. State Working season per year for the Industry /factory

Full Year - **Yes**  
From - **January to - December**

7. (a) No. of workers attending the factory per day.

**80**

- (b) No. of person residing in the premises.

**Nil**

9. (a) Give the list of all materials, such as metals, alloys, chemicals, oil, fuel used per month in metric tonnes :-

Metals and alloys	Name			
Chemicals (a) In organic	Weight - <b>50</b>	<b>12.5</b>	<b>12000 mtr</b>	<b>1250 nos.</b>
	Name - <b>Ammonium Nitrate</b>	<b>Nitro mixture</b>	<b>Detonating fuses</b>	<b>Detonators</b>
(b) Organic	Weight -			
	Name - <b>Not Applicable</b>			
(c) Dyes	Weight -			
	Name - <b>Not Applicable</b>			
(d) Pesticide	Weight -			
	Name - <b>Not Applicable</b>			

Oil and Grease	Name -	Oil	Grease
	Weight -	3.5 KI	300 Kg.

Fuels	(a) Wood	Name - <b>Not Applicable</b>
		Weight -
	(b) Coal	Name - <b>Not Applicable</b>
		Weight -
	(c) Oil	Name - <b>HSD</b>
		Weight- <b>175 KI</b>
	(d) Grease	Name - <b>Not Applicable</b>
		Weight -

Other materials	Name - <b>Not Applicable</b>
	Weight

(b) Give the list of name of products and by products manufactured per month in (M.T.)	Sr. No.	Name of Product	Qty. in M.T. per month
	1.	<b>Raising of limestone</b>	<b>2.11 MTPA</b>
(c) Give the list of intermediate products	<b>Not Applicable</b>		

10. State daily quantity of water utilised in Kilo liter	Industrial (dust suppression) 165	Uses Domestic (Offices) 5	Agriculture (Plantation) 25	Other 0
--	---	------------------------------------	-----------------------------------	------------

11. State the daily maximum quantity of effluent arising from land/ premises for which the application is made :-	(In Kilo Liters)
(a) Domestic --	3
(b) Industrial --	0
(c) Other uses (Mines Discharge Water)--	0
(d) Total quantity of effluent--	3

12. State whether storm water drains are kept separate from the Industrial / domestic effluents	<b>Yes / No</b>		
13. Is domestic effluents allowed to get mixed in industrial effluent.	<b>Yes/No</b>		
14. State if the treatment for industrial or domestic effluents or one for combined effluent is made. If yes, State the process of treatment in brief ( Separately for each treatment plant)	<b>Yes/ No</b> <b>Domestic effluent is treated through Septic tanks and soak pits.</b>		
15. Is there any provision for disposal of.	Already made	Proposed to be made	
(a) Domestic effluent in public underground sewer.	<b>Yes / No</b>	<b>Yes / No</b>	
(b) Industrial effluent in public under ground sewer.	<b>Yes / No</b> <b>Not Applicable</b>	<b>Yes / No</b>	
(c) Give name of Authority owning the sewer.	<b>No sewer exists</b>		
16. Is there any provision for disposal of.	Already made	Proposed to be made	
(a) Domestic effluent over land for irrigation.	<b>Yes / No</b>	<b>Yes / No</b>	
(b) Industrial effluent over land for irrigation.	<b>Yes / No</b> <b>Not Applicable</b>	<b>Yes / No</b>	
(c) Domestic effluent in the underground strata	<b>Yes / No—</b> <b>After treatment in septic tank</b>	<b>Yes / No</b>	
(d) Industrial effluent in the underground strata.	<b>Yes / No</b> <b>Not Applicable</b>	<b>Yes / No</b>	
(e) State the area of land used for a and b above in hectares with details of ownership of the land.	<b>Not applicable</b>		
17. Give quantitative disposal of effluent in Kilo liters provided for the place mentioned below :			
	Domestics	Industrial	Mixed
i. Stream / river	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>
ii On land for irrigation	<b>Nil</b>	<b>Nil</b>	<b>Nil</b>

	(6)	Domestics	Industrial	Mixed
iii Lake /Pond		Nil	Nil	Nil
iv Tidal waters		Nil	Nil	Nil
v Open Sea		Nil	Nil	Nil
vi Esturine waters		Nil	Nil	Nil
vii Public under ground sewer		Nil	Nil	Nil
18. Is there any provision for equalizing or holding lagoons or tanks to store the effluent during unfavorable streams or tidal conditions		Already made	Proposed to be made	
(i) Domestic effluent		<b>Not Applicable</b>	<b>Not Applicable</b>	
(ii) Industrial effluent		<b>Not Applicable</b>	<b>Not Applicable</b>	
(iii) Combined effluent		<b>Not Applicable</b>	<b>Not Applicable</b>	
19. Details of land available / can be made available in case of pumping of effluent on land have to be considered.		Yes/ No	<b>Not Applicable</b>	
20. Give details of composition of Domestic / Industrial / Combined effluents in respect of the following:-				

Parameters	Effluent before treatment	Effluent after treatment
A. General Parameters –		
(i) pH	-----	
(ii) Colour Unit	-----	
(iii) Temperature 'C'	-----	
(iv) Suspended solids		
(a) Total mg/l	-----	
(b) Fixed mg/l	-----	
(c) Volatile mg/l	-----	
(v) Dissolved solid		
(a) Total mg/l	-----	
(b) Fixed mg/l	-----	
(c) Volatile mg/l	-----	
(vi) Total volatile solid mg/l	-----	
(vii) Dissolved Oxygen mg/l	-----	
(viii) BOD 5days 20 C mg/l	-----	
(ix) C.O.D. mg/l	-----	
(x) Oil & grease mg/l	-----	

## B. Chemical Parameters :-

- |  |       |
|--|-------|
| (i) Ammoniacal Nitrogen (mg/l) N                       | ----- |
| (ii) Nitrate (mg/l)                                    | ----- |
| (iii) Chlorides, mg/l (as Cl)                          | ----- |
| (iv) Phosphates, mg/l (as P)                           | ----- |
| (v) Phenolic Compounds, mg/l (as phenol)               | ----- |
| (vi) Cyanides, Mg/l (as CN)                            | ----- |
| (vii) Sulphide mg/l (as S)                             | ----- |
| (viii) Sulphate mg/l (as SO <sub>4</sub> )             | ----- |
| (ix) Insecticides mg/l                                 | ----- |
| (x) Total residual chlorine (as Cl <sub>2</sub> ) mg/l | ----- |
| (xi) Flourides (as F) mg/l                             | ----- |
| (xii) Percent Sodium                                   | ----- |
| (xii) Pesticide, mg/l                                  | ----- |

## C. Heavy metals.

- |                              |       |
|------------------------------|-------|
| (i) Boron (as B) mg/l        | ----- |
| (ii) Arsenic (as As) mg/l    | ----- |
| (iii) Barium (as Ba) mg/l    | ----- |
| (iv) Cadmium (as Cd) mg/l    | ----- |
| (v) Copper (as Cu) mg/l      | ----- |
| (vi) lead (as Pb) mg/l       | ----- |
| (vii) Cromium (as Cr) mg/l   | ----- |
| (viii) Mercury (as Hg) mg/l  | ----- |
| (ix) Nickel (as Ni) mg/l     | ----- |
| (x) Selgemium (as Se) mg/l   | ----- |
| (xi) Silver (as Ag) mg/l     | ----- |
| (xii) Zinc (as Zn) mg/l      | ----- |
| (xiii) Any other metals mg/l | ----- |

Note:- Furnish a copy of the analysis report of representative samples carried out by the approved laboratory. (**Enclosed as Annexure I**)

21. Indicate the facilities available for waters.

**Water accumulated in active mine pit, Rainwater harvested in abandoned mine pits.**

22. State details for solid waste	Description	Qty (Ton/annum)	Method of collection	Method of disposal
(i) Process water	Nil	Nil	Nil	Nil
(ii) Seasonal wastes	Nil	Nil	Nil	Nil
(iii) Spillage	Nil	Nil	Nil	Nil
(iv) Reject materials	Overburden	33.7 Lac T	Mining	Entire quantity reused in mine reclamation

21. (a) Total investment on the industry and the year of investment - **INR 0.5 Crores in 1947-1948**  
**INR 17.5 Crores in 2004-2005**

(b) Estimated expenditure for implementing the scheme to control the water pollution. .... **Not Applicable** ....

(c) Expenditure Incurred up to date and progress achieved ( Physical) for treatment of effluent, If any and the year/ years of investment along with the Physical Progress achieved. ( The Firm should give details of action taken to date and the expenditure incurred and the time required for the completion of the same.)  
..... **Not Applicable** .....

(d) Annual operation and maintenance cost of effluent treatment plant if any. .... **Not Applicable** .....

(e) Further action that is being taken by the firm to control water pollution. **Not Applicable**

24. Any other information.

Nil

Signature

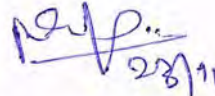


Name & address of applicant on the behalf of

**G.P. Tiwari,**  
**Director Plant**  
**Chaibasa Cement Works**  
**Rajanka Limestone Mines**

Name & Address of the firm-

**ACC Limited**  
**Chaibasa Cement Works**  
**Rajanka Limestone Mines**  
**P.O. Jhinkpani 833215**  
**Dist. West Singhbhum**  
**Jharkhand**



The applicant is hereby instructed to make himself familiarised with the water (Prevention & Control of Pollution) Act, 1974 before attempting to fill up the form.



**TEST REPORT**

**Report No. : CA:GL:912001177**

**DATE : 24/09/2009**

JOE No. : 912104655

Report Control No.:9125011871

**SAMPLE COLLECTED BY SGS**

**SAMPLE IDENTIFIED AS : EFFLUENT**

**CUSTOMER NAME** ACC LIMITED, CHAIBASA CEMENT WORKS  
**ADDRESS** P.O. JHINPANI, DIST-SINGHBUM-833215  
**CITY**  
**COUNTRY** INDIA  
**SAMPLING METHOD** APHA 1060B  
**SAMPLE DESCRIPTION** EFFLUENT  
**SAMPLE CONDITION** IN PLASTIC, GLASS BOTTLE

**LOCATION** MINES DISCHARGES  
**COLLECTED ON** 14.09.2009  
**REGISTERED ON** 16-09-2009  
**TEST START DATE** 16/09/2009  
**TEST END DATE** 24/09/2009

TESTS	PROTOCOL	RESULT
AMMONIACAL NITROGEN	APHA 21 st EDN.:2005 (4500-NH3-B&C)	<0.10 mg/l
B.O.D @27°C for 3 days	IS 3025:PART 44:1993(Reaff.1999)	<2.0 mg/l
C O D	APHA 21 st EDN.:2005 (5220B)	<5.00 mg/l
CHLORIDE	APHA 21ST EDN.2005	11.15 mg/l
DISSOLVED OXYGEN	APHA 21 st EDN.:2005 (4500-O-C)	7.4 mg/l *
KJELDAL NITROGEN	APHA 21 st EDN.:2005	<1.00 mg/l
pH	APHA 21st EDN.:2005 (4500-H-B)	8.05 *
PHOSPHATE as PO4	APHA 21 st EDN.:2005 (4500-P-D)	<0.25 mg/l

Page 1 of 2

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TEST REPORT

Report No. : CA:GL:9120011177 DATE : 24/09/2009

JOE No. : 912104655

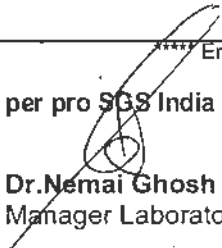
Report Control No.:9125011871

TESTS	PROTOCOL	RESULT
SULPHATE as SO4	APHA 21 st EDN.:2005 (4500-SO4-E)	26.83 mg/l
T.S.S.	APHA 21 st EDN.:2005 (2540 D)	29 mg/l
TOTAL DISSOLVED SOLIDS	APHA 21stEDN. 2005 (2540C)	222 mg/l

\*at site

\*\*\*\* End of Report \*\*\*\*

per pro SGS India Private Ltd.

  
Dr. Nemai Ghosh  
Manager Laboratory

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31.12.2011



## JHARKHAND STATE POLLUTION CONTROL BOARD

T.A. DIVISION BUILDING (GROUND FLOOR), H.E.C., DHURWA, RANCHI-834004

Phone: 2400852, 2400851, Fax: 0651- 2400850, Web Site-[www.jspcb.org](http://www.jspcb.org)

Ref.No. JA/2502/2500/A/W

Date:.....

### CONSENT TO OPERATE

With reference to the applications dated **08.12.2010** of **M/s. Rajanka Lime-Stone Mines, Chaibasa Cement Works, Jhinkpani, West Singhbhum** for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and that under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, he (they) is (are) granted consent to bring into use his (their) new/altered/existing outlet(s) for discharge of trade effluent and (or) domestic sewage/emission and to operate his (their) industrial plant having installed production capacity to produce **Lime Stone-2.11 MTPA, At-Chaibasa Cement Works, Jhinkpani, West Singhbhum** for the period from **01.01.2011 to 31.12.2011** with the following conditions:

1. That, he (they) shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board.
2. That, he (they) shall abide by the obligations provided under sections 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and shall extend co-operation to the Board in performing its functions entrusted under sections 20, 21, 23, 30 and 32 of the Act.
3. That, he (they) shall comply with the requirements of the Water (Prevention & Control of Pollution) Cess Act, 1977 read with the Water (Prevention & Control of Pollution) Cess Rules, 1978
4. That, he (they) shall abide by the obligations provided under sections 22, 23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and shall extend co-operation to the Board in performing its functions entrusted under sections 24, 25 and 26 of the Act.
5. That, he (they) shall abide by the obligations provided under sections 5, 7, 8 and 9 of the Environment (Protection) Act, 1986 and shall extend co-operation in performing the functions entrusted under sections 3, 10 and 11 of the Act.
6. That, he (they) shall abide by the applicable provisions of the Environment (Protection) Rules, 1986; the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008; the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989; the Bio-Medical Waste (Management and Handling) Rules, 1998; the Municipal Solid Wastes (Management and Handling) Rules, 2000 and the Batteries (Management and Handling) Rules, 2001.
7. That, he (they) shall maintain the quality of discharge and (or) emission and (or) noise level of environmental pollutants in conformity with the standards as laid under rule 3 of the Environment (Protection) Rules, 1986.
8. That, he (they) shall monitor his (their) effluent (s), emission (s) and the ambient air, noise level regularly and shall submit the report to the Board in compliance of the condition laid in paragraph 7.

Contd.....

9. That, \*he (they) shall establish well equipped environmental laboratory with the facilities of system (s) of continuous monitoring of effluent (s), emission (s), ambient water quality (ies), ambient air quality (ies) and ambient noise level (s) and transferring them (monitoring results) to his (their) website (s) and to the e-mail address (es) of the key persons of Jharkhand State Pollution Control Board; Central Pollution Control Board, Zonal Office, Kolkata and Ministry of Environment & Forests, Regional Office, Bhubaneswar with simultaneous displaying at prominent locations in front of the his (their) premises. [\* Unit (s) of medium and large scale under 17 categories of polluting industries of category A of E I A Notification, 2006.]
10. That, he (they) shall submit applications for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and that under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days before the expiration of the consent i.e. **31.12.2011** or within **30 days** from the date of receipt of this order, whichever is earlier.
11. That, he (they) shall submit the environmental statement every year by 30<sup>th</sup> September and shall harvest all rainwater precipitating in the premises and do three tier tree plantation as air barrier.
12. That, he (they) shall submit AAQ Monitoring Report for every quarter.
13. That, he (they) shall monitor and submit the effluent analysis report for every quarter.
14. That, he(they) shall implement rain water harvesting plan within consent period.
15. That, he (they) shall pay Cess under the Water (Prevention & Control of Pollution) Cess Act, 1977
16. That, he(they) shall do sprinkling of water on haul road and dusty areas.
17. That, he(they) shall reclaim abandon mines regularly.
18. That, he (they) shall make arrangement for mine water to be used in cooling water/boiler feed water/ sprinkling on haul roads as far as possible.

Sd/-

**MEMBER SECRETARY**

Memo. No.....1546.....

Ranchi, Dated 11.6.11.....

**Copy forwarded to : M/s. Rajanka Lime-Stone Mines, Chaibasa Cement Works, Jhinkpani, West Singhbhum** for information and necessary action/Regional Officer, R.O.-Cum-Laboratory, **Jamshedpur** for information and necessary.

*Singh*  
11/6

**MEMBER SECRETARY**

*Sd/-*

झारखण्ड राज्य प्रदूषण नियंत्रण पर्वद



**JHARKHAND STATE POLLUTION CONTROL BOARD**

[ CONSTITUTED UNDER SECTION 4 OF THE WATER (PREVENTION & CONTROL OF POLLUTION ACT, 1974 )

T.A.DIVISION BUILDING (GROUND FLOOR),HEC COMPLEX, DHURWA, RANCHI-834004.

Phone No:-0651- 2400852, 2400851, Fax No:- 2400850.

Ref.No. PC/JSR/R-24/03-

Date.....

**CONSENT TO OPERATE**

With reference to the application dated 29.08.11 of Rajanka Lime Stone Mines of M/s. ACC Limited, Chaibasa Cement Works, P.O.- Jhinkpani, Dist. West Singhbhum for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and that under section 21 of the Air (Prevention & Control of Pollution) Act, 1981, he (they) is (are) granted consent to bring into use his(their) new/altered/existing outlet(s) for discharge of trade effluent and (or) domestic sewage and to operate his (their) industrial plant having installed production capacity for mining of Lime Stone- 2.11 MTPA At- Vill. Rajanka, Kondwa & Dokata, Chaibasa, West Singhbhum for the period from 01.01.2012 to 31.12.2012 with the following conditions :

1. That, he(they) shall not make any alteration, addition, deletion or modification in the plant without the prior clearance from the Board.
2. That, he(they) shall abide by the obligations provided under section 24, 31 and 33A of the Water (Prevention & Control of Pollution) Act, 1974 and shall extend co-operation to the Board in performing its functions entrusted under section 20, 21, 23, 30 and 32 of the Act.
3. That, he(they) shall comply with the requirements of the Water (Prevention & Control of Pollution) Cess Act, 1977 read with the Water (Prevention & Control of Pollution) Cess Rules, 1978.
4. That, he(they) shall abide by the obligations provided under section 22, 23 and 31A of the Air (Prevention & Control of Pollution) Act, 1981 and shall extend co-operation to the Board in performing its functions entrusted under sections 24, 25 and 26 of the Act.
5. That, he(they) shall abide by the obligations provided under sections 5, 7, 8 and 9 of the Environment (Protection) Act, 1986 and shall extend co-operation in performing the functions entrusted under section 3, 10 and 11 of the Act.
6. That, he(they) shall abide by the applicable provisions of the Environment (Protection) Rules, 1986, the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008; the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989; the Bio-medical Waste (Management & Handling) Rules, 1998; the Municipal Solid Wastes (Management & Handling) Rules, 2000 and the Batteries (Management & Handling) Rules, 2001.
7. That, he(they) shall maintain the quality of discharge and (or) ambient air and (or) emission and (or) noise level of environmental pollutants in conformity with the standards as laid under Rule 3 of the Environment (Protection) Rules, 1986.
8. That, he(they) shall monitor his(their) effluent(s), emission(s) and the ambient air, noise level regularly and shall submit the report to the Board in compliance of the condition laid in paragraph 7.

4/14

9. That, he(they) shall establish well equipped environmental laboratory with the facilities of system(s) of continuous monitoring of effluent(s), emission(s) ambient water quality(ies), ambient air quality(ies) and ambient noise level(s) and transferring them (monitoring results) to his(their) website(s) and to the e-mail address(es) of the key persons of Jharkhand State Pollution Control Board, Zonal Office, Kolkata and Ministry of Environment & Forests, Regional Office. Bhubneshwar with simultaneous displaying at prominent locations in front of his(their)premises. [\*Unit(s) of medium and large scale under 17 categories of polluting industries of category A of EIA Notification, 2006.]
10. That, he(they) shall submit the environmental statement every year by 30<sup>th</sup> September and shall harvest all rain water precipitating in the premises and do three tier tree plantation in the premises as air barrier.
11. That, he(they) shall submit application for consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and that under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days before the expiration of the consent order 31.12.2012 or within 30 days from the date of receipt of the order, whichever is earlier.
12. *That, he(they) shall submit ambient air quality and noise level monitoring report quarterly to the Board.*
13. *That, he(they) shall submit effluent analysis report for every quarter.*
14. *That, he(they) shall reclaim the abandoned mines/ mined out area regularly.*
15. *That, he(they) shall ensure the cleaning and wetting of ground regularly to improve house keeping.*
16. *That, he(they) shall develop plantation within and around the mining areas.*
17. *That, he(they) shall make arrangement for mine water to be used in cooling water/boiler feed water/sprinkling on haul roads as far as possible.*
18. *That, he(they) shall comply all the conditions of Environmental Clearance issued by MOEF, Govt. of India.*
19. *That, he(they) shall pay water cess under the Water (Prevention & Control of Pollution) Cess, Act, 1977.*
20. *That, the transportation shall be done through covered vehicle to avoid fugitive dust emission.*
21. *That, he (they) shall keep the waste water in close circuit.*

  
Member Secretary

Memo no. PC/JSR/Air/R-24/03-1139

Ranchi, Dated 9.4.12

Copy forwarded to: **Rajanka Lime Stone Mines of M/s. ACC Limited, Chaibasa Cement Works, P.O.- Jhinkpani, Dist. West Singhbhum /Regional Officer, Regional Office-Cum-Laboratory, Jamshedpur** for information & necessary action.

  
Member Secretary

**ACC**

ACC Limited  
Chaibasa Cement Works  
P.O. Jhinkpani  
Singhbhum (W) 833215  
Jharkhand, India  
Phone +91 6589 235391/300  
Fax +91 6589 235250/222  
www.acclimited.com

CH/ENV/CTO/RLM-D 01/12

Date: August 29, 2012

To,  
**The Member Secretary**  
**Jharkhand State Pollution Control Board**  
**T.A Division Building (Ground Floor)**  
**H.E.C, Dhurwa, Ranchi-834004**

Dear Sir,

Sub.: **Application for consent for continuation of discharge under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 for Rajanka limestone mine. (Ref No. PC/JSR/R-24/03-1139 dated 09.04.2012)**

Dear Sir,

Please find enclosed herewith application for consent for continuation of discharge under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 dully filled in triplicate along with required document and a/c payee demand draft worth Rs. 50,000/- in favour of 'Member Secretary, Jharkhand State Pollution Control Board', payable at Ranchi, towards the prescribed consent application fee for our Rajanka limestone mine.

We request you to grant us consent for continuation of Discharge for one-year i.e. from 01.01.2013 to 31.12.2013.


Yours Faithfully  
For ACC Limited



**Arun Kumar Saxena**  
**Director Plant**  
**Chaibasa Cement Works**

*Recd  
Air & water app.  
with fees R - 50,000*

*Bochy*



Enclosures:

1. A/c payee DD No. 453844 dated 18.08.2012 worth Rs. 50,000/- .
2. Filled in Application for consent for continuation of Discharge form in triplicate.



ACC Limited  
Chaibasa Cement Works  
P.O. Jhinkpani  
Singhbhum (W) 833215  
Jharkhand, India  
Phone +91 6589 235391/300  
Fax +91 6589 235250/222  
www.acclimited.com

CH/ENV/CTO/RLM-E 01/12

Date. August 29, 2012

To,  
**The Member Secretary  
Jharkhand State Pollution Control Board  
T.A Division Building (Ground Floor)  
H.E.C, Dhurwa, Ranchi-834004**

Dear Sir,

Sub.: **Application for consent for continuation of emission under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 for Rajanka limestone mine. (Ref No. PC/JSR/R-24/03-1139 dated 09.04.2012)**

Dear Sir,

Please find enclosed herewith application for consent for continuation of emission form under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 dully filled in triplicate along with required document and a/c payee demand draft worth Rs. 50,000/- in favour of 'Member Secretary, Jharkhand State Pollution Control Board', payable at Ranchi, towards the prescribed consent application fee for our Rajanka limestone mine.

We request you to grant us consent for continuation of emission for one-year i.e. from 01.01.2013 to 31.12.2013.

Yours Faithfully  
For ACC Limited

**Arun Kumar Saxena  
Director Plant  
Chaibasa Cement Works**

Enclosures:

1. A/c payee DD No. 453844 dated 18.08.2012 worth Rs. 50,000/- .
2. Filled in Application for consent for continuation of emission form in triplicate.

**ACC**

ACC Limited  
Chaibasa Cement Works  
P.O. Jhinkpani  
Singhbhum (W) 833215  
Jharkhand, India  
Phone +91 6589 235391/300  
Fax +91 6589 235250/222  
www.acclimited.com

CH/ENV/CTO/RLM-E&D-2014

Date: August 23, 2013

To,  
**The Member Secretary  
Jharkhand State Pollution Control Board  
T.A Division Building (Ground Floor)  
H.E.C, Dhurwa, Ranchi-834004**

Dear Sir,

Sub.: **Application for consent for continuation of emission under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and continuation of discharge under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 for Rajanka limestone mine.**

Dear Sir,

Please find enclosed herewith application for consent for continuation of emission form under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and for continuation of discharge under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 dully filled in triplicate along with required document and a/c payee demand draft worth Rs. 50,000/- in favour of 'Member Secretary, Jharkhand State Pollution Control Board', payable at Ranchi, towards the prescribed consent application fee for our Rajanka limestone mine.

We request you to grant us consent for continuation of emission and for continuation of Discharge for one-year i.e. from 01.01.2014 to 31.12.2014.

Yours Faithfully  
For ACC Limited

**Dr. Arun Kumar Saxena  
Director Plant  
Chaibasa Cement Works**

*Recd  
Air & water app.  
with fees Rs-50,000  
Bechri Narayan  
27/8/13*



Enclosures:

1. A/c payee DD No. 507342 dated 14.08.2013 worth Rs. 50,000/- .
2. Filled in Application for consent for continuation of emission and continuation of discharge form in triplicate.

**ACC**

ACC Limited  
Chaibasa Cement Works  
P.O. Jhinkpani  
Singhbhum (W) 833215  
Jharkhand, India  
Phone +91 6589 235391/300  
Fax +91 6589 235250/222  
www.acclimited.com

CH/ENV/CTO/RLM-E&D-2014/000753

Date: August 21, 2014

To,  
**The Regional Officer  
Jharkhand State Pollution Control Board  
Regional Office-cum laboratory, M.B./15  
New Housing Colony, Adityapur  
Jamshedpur-839018**

Dear Sir,

Sub.: **Application for consent for continuation of emission under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and continuation of discharge under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 for Rajanka limestone mine.**

Dear Sir,

Please find enclosed herewith application for consent for continuation of emission form under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and for continuation of discharge under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 dully filled in triplicate along with required document and a/c payee demand draft worth Rs. 75,000/- in favour of 'Member Secretary, Jharkhand State Pollution Control Board', payable at Ranchi, towards the prescribed consent application fee for our Rajanka limestone mine.

We request you to grant us consent for continuation of emission and for continuation of Discharge for one-year i.e. from 01.01.2015 to 31.12.2015.

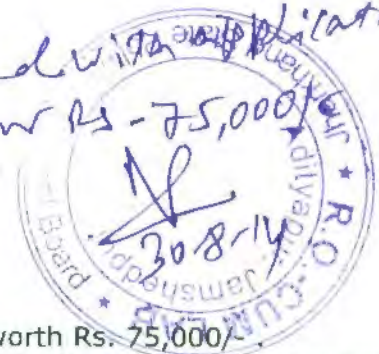
Yours Faithfully  
For ACC Limited

**Dr. Arun Kumar Saxena  
Director Plant  
Chaibasa Cement Works**

Enclosures:

1. A/c payee DD No. 509214 dated 20.08.2014 worth Rs. 75,000/-
2. Filled in Application for consent for continuation of emission and continuation of discharge form in triplicate.

*Received with application & D.D. for Rs - 75,000/-*





**JHARKHAND STATE POLLUTION CONTROL BOARD**

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004  
Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. PC/JSR/Air/R-24/03/343063/15/ *6-1690*

*18-4-16*  
RANCHI Dated : 2016-04-16

**Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981**

1. Application (s) dated 2015-08-26 of Rajanka Limestone Mines M/S ACC Limited, Occupier Name :HARISH BADAMI for consent under section 25 (1) (b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981.
2. **Documents Relied Upon:**
  - (a)The content of Environmental Clearance (EC), Ref No. J-11015/129/2001-IA II (M), Dated 28.12.2004 issued by MoEF, Govt. of India.
  - (b)The content of Consent-to-Establish (CTE), Ref No. 189, Ranchi, Dated 11.01.2003
  - (c)The content of Consent-to-Operate (CTO), Ref No. 1139 Ranchi, Dated 09.04.2012
  - (d)The content of Inspection Report (I/R), Ref No. 2233 Regional Officer, Regional Office-CumLaboratory, Jamshedpur, Dated 29.10.2015
3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -Rajanka.Kondwa & Dokata , P S -JORAPOKHAR , District -WEST SINGHBHUM , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO	Total
	Plot Nos.	Area				
Before Expansion	Plot No. - 232 & other, Khata No. 2,71,34 & others		17.5 Crore	Lime stone- 2.11 MTPA	Date of issue to 31.12.2018	

**(A) General Conditions :**

- (1) That, the occupier shall comply with all conditions of EC, Ref No J-11015/129/2001-IA II (M) , Dated 28/12/2004, CTE, Ref No 189 , and dated 11/01/2003 , previous CTO, Ref No 1139dated09/04/2012 and shall submit report to this effect with supporting documents.
- (2) That, the occupier shall maintain the ambient air quality within the standard given below:

*Sc*



**JHARKHAND STATE POLLUTION CONTROL BOARD, RANCHI**

**SCHEDULE I**

(From - IVA)

For Industries

(To be submitted in triplicate)

Application for consent for discharge Continuation of discharge under section 25/26 of water  
(Prevention and Control of Pollution) Act, 1974  
(See Rule 22)

From

Dated : 28/08/2018

Rajanka Limestone Mines M/S ACC Limited

ACC LIMITED Chaibasa Cement Works Rjanka Limestone Mines P.O.Jhinkpani 833215

Dist.West Singhbhum,Jharkhand

CHAIBASA

WEST SINGHBHUM

To

The Member-Secretary,  
Jharkhand State Pollution control Board  
Ranchi.

Sir,

1. I/We apply for consent under section 25/26 of the water(Prevention and Control of pollution) Act.1974(6 of 1974)\*to bring into use new or altered outlets for the discharge of\* Sewage/trade effluent\* from land/premises owned by Rajanka Limestone Mines M/S ACC Limited for a period upto 3 years as per details given in the Annexure;

2. The Annexure, appendices, other particulars and plans are attached herewith in triplicate

3. I/We further declare that the information furnished in the Annexure/appendices and plan is correct to the best of my/our knowledge.

4. I/We hereby submit that in case of change either of the point or the quantity of discharge. or its quality, a fresh application for CONSENT shall be made and until such CONSENT is granted no change shall be made.

5. I/We hereby agree to submit to the Board an application for renewable consent one month in advance to the date of expiry of the consented period for outlet/discharge, if to be continued thereafter.

6. I/We undertake to furnish any other information within one month of its being called for by the Board.

Yours faithfully.

Signature

Name of the Applicant :Rajanka Limestone Mines M/S ACC Limited

**Accompaniments :**

1. Compliance report of previous NOC/CTO (Attached)
2. Scheme of Rain water harvesting & water budget (Attached)
3. Application fee in the form of Demand Draft (Attached)
4. Statement showing measures taken for controlling Inevitable pollution: Reports of AAQR, SMR, NLR, EAR, etc in support\* (Attached)
5. Statement showing measures taken for uplifting ground water table\* (Attached)
6. CTO of raw material supplier (Attached)
7. Statement showing measures taken for Improving content of surface water bodies\* (Attached)
8. Statement showing measures taken for increasing tree and forest cover.\* (Attached)
9. Statement showing measures taken for preventing pollution at the points where it may occur: Material balance in support.\* (Attached)

**Bank Details:-**

Amount	Bank Draft No.	Date
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**ANNEXURE TO FORM**

Outlet/discharge

(Existing/New/Altered)

Note: Any applicant knowingly giving incorrect information or suppressing any information per-  
Training there to shall be liable for any actions under the provisions of the Act.

While filing the annexure the applicant shall, for such of the items not pertaining to his  
Activity shall, for such Applicable against the relevant one and not leave blank.

1.

(a) Full name of the applicant with address	Rajanka Limestone Mines M/S ACC Limited
(a) Is the firm registered?	YES
(b) If yes, give the number & date of registration	2082
(c) Full address of the registered office	ACC LIMITED Chaibasa Cement Works Rjanka Limestone Mines P.O.Jhinkpani 833215 Dist.West Singhbhum,Jharkhand
(d) Name,designations and full address of occupier/occupiers/etc. of persons like, partners,Managing Director/Directors/ Manager etc. incharge of the company:-	Name:-Neeraj Akhoury Designation:-CEO & Managing Director Address:-121 Maharshi Karve Road Mumbai- 400020 Period Of Tenures:-13/08/2014 To till date. Telephone:-022-33024321

2.

Full location premises/Institutes/factory/Industry with detail address.	Rajanka Limestone Mines M/S ACC Limited ACC LIMITED Chaibasa Cement Works Rjanka Limestone Mines P.O.Jhinkpani 833215 Dist.West Singhbhum,Jharkhand CHAIBASA WEST SINGHBHUM
---	--

3. Give revenue/city Survey number of land/premises for which the application is made.

Tel.No.	6589-235391
Telegraphic Address	ACC LIMITED CEMENT HOUSE 121 MAHARSHI KARVE ROAD MUMBAI 400020
District	MUMBAI
Taluk	CHAIBASA
Town	ACC LIMITED CEMENT HOUSE
Village	ACC LIMITED CEMENT HOUSE
Survey No/Mauza No/Revenue Survey No.	ACC LIMITED Chaibasa Ceme
Area in Hectares	17.5 crore 2004

4. State month and year in which the land/premises Institute/Factory/Industries was actually put into commission or is proposed to be into commission : January 1947

5.

State the Civil/Military/Collectorate/Defence/Industrial Estate etc. under whose administrative jurisdiction the applicant's land/premises in situated.	Civil
Corporation	Not Applicable
Vill. Panchayat	Jorapokhar
Contonment	Not Applicable
Defence Deptt	Not Applicable
Port Trust	Not Applicable
State Govt.	Not Applicable
Prohibeted areas	Not Applicable

6. (a) State whether the land/premises Industry/factory/has been declared as prohibited area : NO  
(b) If yes, state the name of the authority and furnish a certified copy of the order vide which the area has been declared as prohibited area :

7. State working season per year for the Industry/factory : Jan to Dec

8. (a) No. of workers attending the factory per day. : 95

(b) No. of persons residing in the premises. : 0

9.(a) Give the list of materials, such as metals, alloys' chemicals oil, fuel per month in metric tones :

Metals and Alloys	Name	Weight
Oil and Grease	Graese(Kg/Year)	1550
Oil	Lubricating Oil(KL/YEAR)	20
Inorganic	Detonating fuse(m/day)	80
Others	HSD(KL/YEAR)	680
Inorganic	Detonators(Nos/day)	50

(b). Give the List of Name of Product Details and By-Product manufactured per month in (MT):

Sr.No.	Name of products	Qty. in M.T per month
1	Raising of Limestone	175800

C. Give the list of Intermediate Product Details :

Sr.No.	Name of products	Qty. in M.T per month
1	Nil	175800

10 & 11. Water Consumption Details :

Source Consumption	Quantity(KL/D)
Others(Plantation)	25.0
Others(Dust Suppression)	160.0

12. State whether storm water drains are kept separate from industrial/ domestic effluents :

Yes

13. Is Domestic effluent allowed to get mixed in industrial effluent. :

No

14. State if treatment for industrial or domestic effluent or one for combined effluent is made.If yes, state the process of treatment in brief(separately for each treatment plant) :

15 & 16. Effluent Disposal Details :

Name	Status(Already made)	Status(Proposed to be made)
Domestic effluent in the underground strata	Yes	No

17. Give Quantative disposal of effluent in kilo litres provided for the place mentioned below:

Place	Domestic	Industrial	Mixed

18. Is There any provision for equalizing or holding lagoons tank to store the effluent during unfavorable streams ortidal conditions:

Type of Provision	Already made	Proposed to be made
-------------------	--------------	---------------------

19. Details of land available/can be made available in case pumping of effluent on lands have to be considered.

Yes

20. Give details of composition of Domestic/Industrial/Combined effluent in respect of the following :

Quality Parameter	Effluent Before treatment	Effluent After treatment
Colour units	All the details of all the parameter have been enclosed in document section	Not applicable
Colour units	All the details of all the parameter have been enclosed in document section	Not applicable

Note : Furnish a copy of the analysis report of representative samples carried out by the approved laboratory.

21. Indicate the facilities available for waters.

22. :

Type of Wastes	Description	Quantity	Method of Collection	Method of Disposal
Rejected Waste	Overburden	400000	Minining	Abondend Mine Filling

23. :

(a) Total investment on the industry and the year of investment.

1800 , 1947

(b) Estimated expenditure for implementation the schemes to control water pollution

(c) Expenditure incurred up-to date and progress achived(Physical)for treatment of effluent, if any and the year/years of investments along with Physical Progress achived.(The Firm should give details of action taken to date and the expenditure incurred and the required for the completion of the same.)

Not applicable

(d) Annual operation and maintenance cost of effluent treatment plants, if any,

INR 4.5lacs

(e) Further action that is being taken by the firm to control water pollution.

145.37

Signature

Name & Address of applicant on behalf of : ACC Limited Chaibasa Cement Works  
ACC LIMITED CEMENT HOUSE 121 MAHARSHI KARVE ROAD MUMBAI 400020

Name & Address of the firm : Rajanka Limestone Mines M/S ACC Limited  
ACC LIMITED Chaibasa Cement Works Rjanka Limestone Mines P.O.Jhinkpani 833215 Dist.West  
Singhbhum,Jharkhand  
CHAIBASA  
WEST SINGHBHUM

The applicant is hereby instructed to make himself familiarized with the water(Prevention & Control of Pollution)Act,1974 before attempting to fill up the from.

Ph. : 0651-2403851

Fax. : 0651-2403850



**Jharkhand State Pollution Control Board, Ranchi**  
(TO BE SUBMITTED IN TRIPLICATE)

Application for consent for emission/continuation of emission under section 21 of  
the AIR(prevention and control of pollution)Act, 1981

From

Rajanka Limestone Mines M/S ACC Limited, ACC  
LIMITED Chaibasa Cement Works Rjanka  
Limestone Mines P.O.Jhinkpani 833215 Dist.West  
Singhbhum,Jharkhand  
City:Jhinkpani  
Block:CHAIBASA  
District:WEST SINGHBHUM

Dated:

28/08/2018

To

The Member Secretary,  
Jharkhand State Pollution Control Board  
Ranchi.

Sir,

I/we hereby apply for CONSENT under Section 21 of the Air(Prevention and Control of Pollution)Act,  
1981(14 of 1981) to make emission from Industrial Plant owned by

1. ACC Limited Chaibasa Cement Works for a period upto 3 years
2. The Annexure, appendices, other particulars and plans are attached herewith in triplicate.
3. I/We further declare that the information furnished in the Annexure/Appendices and plans are correct to the best of my/our knowledge.
4. I/we hereby submit that in case of change either of the point or the quantity of emission or of its quality a fresh application for CONSENT shall be made and until such consent is granted no change shall be made.
5. I/we hereby agree to submit to the Board application for renewal of CONSENT one month in advance of the date of expiry of the consented period for emission of to be continued thereafter.
6. I/We undertake to furnish any other information within one month of its being called by the Board.

**7. Bank Details:-**

Bank Draft No.	Date	Amount
----------------	------	--------

Accompaniments:-

1. Compliance report of previous NOC/CTO (Attached)
2. Scheme of Rain water harvesting & water budget (Attached)
3. Application fee in the form of Demand Draft (Attached)
4. Statement showing measures taken for controlling Inevitable pollution: Reports of AAQR, SMR, NLR, EAR, etc in support\* (Attached)
5. Statement showing measures taken for uplifting ground water table\* (Attached)
6. CTO of raw material supplier (Attached)
7. Statement showing measures taken for Improving content of surface water bodies\* (Attached)
8. Statement showing measures taken for increasing tree and forest cover.\* (Attached)
9. Statement showing measures taken for preventing pollution at the points where it may occur: Material balance in support.\* (Attached)

Signature

Name of the applicant: ACC Limited Chaibasa  
Cement Works

Address of the Applicant: ACC LIMITED  
CEMENT HOUSE 121 MAHARSHI KARVE  
ROAD MUMBAI 400020



## JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004

Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-3447382/2019/1461

Dated : 2019-07-17

### Consent to operate (CTO) under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Application (s) dated 2018-08-28 of Rajanka Limestone Mines M/S ACC Limited, Occupier Name :ACC Limited Chaibasa Cement Works for consent under section 25 (1)(b)/25 (1) (c) of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981..
  
2. **Documents Relied Upon:**
  - (a)The content of Environmental Clearance (EC), Ref No. J-11015/129/2001-IA II (M), Dated 28.12.2004 issued by MoEF, Govt. of India.
  - (b)The content of Consent-to-Establish (CTE), Ref No. 189, Ranchi, Dated 11.01.2003;
  - (c)The content of Consent-to-Operate (CTO), PC/JSR/AIR/R-24/03/343063/15/G-1090 dated 18.04.2016;
  - (d) Mining lease valid up to 31-3-2030.
  - (e)The content of Inspection Report (I/R), Ref No. 851 dated 12.09.2018, Regional Officer, Regional Office-Cum-Laboratory, Jamshedpur;
  - (f) The content of CTO rejection letter vide memo no. 199 dated 31-5-2019.
  - (g) The content of the Order of Court of Member Board of Revenue dated 10-7-2019 regarding set aside the above rejection letter.
  
3. The consent is granted under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza - Rajanka , P S -Jhinkpani , District -WEST SINGHBHUM , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			
Before Expansion	Plot No. - 232 & other, Khata No. 2,71,34 & others	145.37 Ha, for excavati on - 65.20 Ha.	17.5 Crore	Lime stone- 2.11 MTPA	Date of Issue to 31.12.2020

**(A) Specific Conditions:**

(1) That, the occupier shall submit ambient Noise Level Monitoring Report annually.

(2) That, the occupier shall after completing all formalities, carry out raw material's local transport by covered trucks & longer distances by covered railway wagons and shall submit the copies of documents to concerned Regional Officer and District Mining Officer, quarterly.

(3) That, the occupier shall maintain a detailed record of account of raw material related to its sources, quantity, challan, stock, buyer, transport mode, etc and shall submit its copy to Regional Officer and District Mining Officer, quarterly.

(4) That, the occupier shall construct at least 10 feet high pucca boundary wall and shall make all internal roads pucca. The height of product should be less than the height of boundary wall in any case.

(5) That, the occupier shall carry out loading and unloading operations of product and its stocking within a comprehensive cover.

(6) That, the occupier shall install fixed type water sprinkler all along internal roads and all around the stock to impart water spraying during load and unloading.

(7) That, the occupier shall keep surface run off within the premises and should construct garland drain and settling pits around over burden for this purpose.

(8) That, the occupier shall do tree plantation in at least 33% of the area of stock yard and also all along the boundary in two rows.

(9) That, the occupier shall make a good house keeping by regular cleaning and wetting of the premises and dust prone areas.

(10) That, the occupier shall keep the road leading to the storage area clean and free from dust.

(11) That, the occupier shall obtain stock license from the Dept. of Mines of the State Govt.

(12) That, the occupier shall submit compliance report of CTO Conditions every year to the Board.

(13) That, the occupier shall submit applications for renewal of consent under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent i.e. 31.12.2020, with documents showing compliance of all of the above conditions.

**(B) General Conditions :**

(1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub> , µg/m <sup>3</sup>	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub> , µg/m <sup>3</sup>	Annual 24 hours	40 60	40 60
5.	Ozone(O <sub>3</sub> ), µg/m <sup>3</sup>	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m <sup>3</sup>	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m <sup>3</sup>	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>	Annual 24 hours	100 400	100 400
9.	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m <sup>3</sup>	Annual	01	01
11.	Arsenic (As) ng/m <sup>3</sup>	Annual	06	06
12.	Nickel (Ni) ng/m <sup>3</sup>	Annual	20	20

**Note : Serial no. 1 to 4 – Mandatory  
Serial no. 5 to 12 As applicable for specific type of industry.**

(2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	100 µg/ Nm <sup>3</sup>
2	Sulphur Dioxide	80 µg/ Nm <sup>3</sup>
3	Oxides of Nitrogen	80 µg/ Nm <sup>3</sup>

(3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/L
4	Oil & Grease	10 mg/L

(4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

(5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.

(6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.

(7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.

(8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.

- (9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.
- (10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.
- (11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.
- (12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.
- (13) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.
- 4. That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.**
- 5. That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.**
- 6. The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.**
- 7. The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.**

**This is issued with the approval of the Competent authority**

**(Rajeev Lochan Bakshi)**  
Member Secretary

Memo No. : JSPCB/HO/RNC/CTO-  
3447382/2019/1461

Dated : 2019-07-17

**Copy to:** M/s Rajanka Lime Stone Mines of M/s. ACC Limited, Chaibasa Cement Works, P.O.- Jhinkpani, Dist. West Singhbhum / the Director of Industry, Government of Jharkhand, Ranchi/ the Deputy Commissioner, West Singhbhum/ the Director of Mines, Government of Jharkhand, Ranchi/ the DFO, West Singhbhum/the DMO, West Singhbhum/the R O, Jamshedpur for information & necessary action.He is requested to examine the compliance report and shall submit report to H.Q. year wise

**(Rajeev Lochan Bakshi)**  
Member Secretary



**JHARKHAND STATE POLLUTION CONTROL BOARD**

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004

Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-8734696/2021/1182

Dated : 2021-09-28

**Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981**

1. Application (s) dated 2021-03-05 of Rajanka Limestone Mines of M/S ACC Limited, Occupier Name :ACC Limited Chaibasa Cement Works for consent under section 25 (1)(b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981..
  
2. **Documents Relied Upon:**
  - (a)The content of Environmental Clearance (EC), Environmental Clearance (EC), Ref No. J-11015/129/2001-IA II (M), Dated 28.12.2004 issued by MoEF, Govt. of India with all points compliance report;
  - (b)The content of Consent-to-Establish (CTE), Ref No. 189, Ranchi, Dated 11.01.2003 for Lime Stone - 15.56 lacs tonnes /year and Calceferous Shale (In F1, F2 and F3 Block) - 10.75 tonnes/ year with compliance report;
  - (c)The content of Consent-to-Operate (CTO), vide Ref No. JSPCB/HO/RNC/CTO-3447382/2019/1461 Dated : 2019-07-17 for Lime stone- 2.11 MTPA valid up to 31.12.2020 with compliance report;
  - (d)The content of supplementary lease deed for extension made on 29.08.2017 that Mining lease extended up to valid up to 31-3-2030, signed between Director Plant and DMO, West Singhbhum;
  - (e) The content of Hazardous waste Authorization issued vide Ref. No. JSPCB/HO/RNC/HWM-1545622/2017/102 dated 08/12/2017 valid for 05 years from date of issue;
  - (f) The content of corrigendum of MoEF&CC vide J-11015/129/2001-IA.II(M) dated 18.01.2005 declaring that in the preamble sentence " Mining will be confined to 65.20 ha" be replaced to the total lease 145.37 ha ..
  - (g) The content of information submitted that the PM analyzer has been installed in the buffer zone of the mines premises and photograph attached. CAAQMS is installed and PM10 as parameter already exist.
  - (h) The content of information that presently Mine Development activities for exposing the limestone benches is under progress. Once the proper exposure for limestone benches is done, Limestone production activities will start and material will be fed to Plant.
  - (i)The content of Inspection Report (I/R), Ref No. 895 dated 16.09.2020, Regional Officer, Regional Office-Cum-Laboratory, Jamshedpur;
  
3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -Rajanka,Kondwa,Dokkata an , P S - , District -WEST SINGHBHUM , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			
Before Expansion	Plot No. - 232 & other, Khata No. 2,71,34 & others	145.37 Ha	17.5 Crore	Lime stone- 2.11 MTPA	31/12/2022

**(A) Specific Conditions:**

1. That, the occupier shall install fixed type water sprinkler all along internal roads and all around the stock to impart water spraying during load and unloading.
2. That, the occupier shall keep surface run off within the premises and should construct garland drain and settling pits around over burden for this purpose.
3. That, the occupier shall do tree plantation in at least 33% of the area of stock yard and also all along the boundary in two rows.
4. That, the occupier shall make a good house keeping by regular cleaning and wetting of the premises and dust prone areas.
5. That, the occupier shall keep the road leading to the storage area clean and free from dust.
6. That, the occupier shall obtain stock license from the Dept. of Mines of the State Govt.
7. That, the occupier shall submit compliance report of CTO Conditions every year to the Board.
8. That, the occupier shall submit ambient Noise Level Monitoring Report annually.
9. That, the occupier shall after completing all formalities, carry out raw material's local transport by covered trucks & longer distances by covered railway wagons and shall submit the copies of documents to concerned Regional Officer and District Mining Officer, quarterly.
10. That, the occupier shall maintain a detailed record of account of raw material related to its sources, quantity, challan, stock, buyer, transport mode, etc and shall submit its copy to Regional Officer and District Mining Officer, quarterly.

11. That, the occupier shall construct at least 10 feet high pucca boundary wall and shall make all internal roads pucca. The height of product should be less than the height of boundary wall in any case.

12. That, the occupier shall carry out loading and unloading operations of product and its stocking within a comprehensive cover.

13. That, the occupier shall submit applications for renewal of consent under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent i.e. 31.12.2022, with documents showing compliance of all of the above conditions.

**(B) General Conditions :**

(1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM <sub>10</sub> , µg/m <sup>3</sup>	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM <sub>2.5</sub> , µg/m <sup>3</sup>	Annual 24 hours	40 60	40 60
5.	Ozone(O <sub>3</sub> ), µg/m <sup>3</sup>	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m <sup>3</sup>	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m <sup>3</sup>	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>	Annual 24 hours	100 400	100 400
9.	Benzene (C <sub>6</sub> H <sub>6</sub> ) µg/m <sup>3</sup>	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m <sup>3</sup>	Annual	01	01
11.	Arsenic (As) ng/m <sup>3</sup>	Annual	06	06
12.	Nickel (Ni) ng/m <sup>3</sup>	Annual	20	20

**Note : Serial no. 1 to 4 – Mandatory  
Serial no. 5 to 12 As applicable for specific type of industry.**

- (2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	100 mg/ Nm <sup>3</sup>

- (3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/L
4	Oil & Grease	10 mg/L

- (4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

- (5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.
- (6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.
- (7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- (8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.
- (9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

- (10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.
- (11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.
- (12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.
- (13) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.
4. **That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.**
5. **That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.**
6. **The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.**
7. **The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.**

**This is issued with the approval of the Competent authority**

**(Y K Das)**

Member Secretary

Memo No. : JSPCB/HO/RNC/CTO-  
8734696/2021/1182

Dated : 2021-09-28

**Copy to:** M/s Rajanka Lime Stone Mines of M/s. ACC Limited, Chaibasa Cement Works, P.O.- Jhinkpani, Dist. West Singhbhum / the Director of Industry, Government of Jharkhand, Ranchi/ the Deputy Commissioner, West Singhbhum/ the Director of Mines, Government of Jharkhand, Ranchi/ the DFO, West Singhbhum/the DMO, West Singhbhum/the R O, Jamshedpur for information & necessary action.He is requested to examine the compliance report and shall submit report to H.Q. year wise

**(Y K Das)**

Member Secretary

ENCLOSURE 3- COPY OF RELEVANT PAGES OF  
MINING PLAN FROM 1994-95 MENTIONING  
PROPOSED & ACHIEVED PRODUCTION FIGURES

*Combined*  
*99-00 to 2004-05*

**THE ASSOCIATED CEMENT COMPANIES LIMITED  
CHAIBASA CEMENT WORKS  
BIHAR**

**SCHEME OF MINING OF  
RAJANKA LIMESTONE MINES FOR F(81.50 Ha)  
AND F2(63.87 Ha)  
(IN TWO VOLUMES)**

**VOLUME - I (TEXT)**

**SUBMITTED FOR APPROVAL BY  
INDIAN BUREAU OF MINES  
UNDER RULE 12 OF  
MINERAL CONSERVATION AND DEVELOPMENT RULES - 1988**

This mining <sup>Scheme</sup> ~~plan~~ is approved subject to the  
Conditions of Submission stipulated in the  
mining <sup>Scheme</sup> ~~plan~~ Approval Order No. 314(3)/99  
M.C.M. & D. No. 16/Slc Dated 09/8/2000

*[Signature]*  
जान निदेशक (मध्य)  
Consultant of Mines (CZ)  
भारतीय खान भंडार  
Indian Bureau of Mines

**PREPARED BY**

**THE ASSOCIATED CEMENT COMPANIES LIMITED  
RESEARCH AND CONSULTANCY DIRECTORATE  
MINERAL RESOURCES DIVISION  
THANE**

*[Signature]*  
**APPROVED**

Year	Total quantity in lakh tonnes		
1994-95	4.5		
1995-96	5.0		
1996-97	5.0		
1997-98	5.0		
1998-99	5.0		
During the five year mining plan period 21.73 lakh tonnes of limestone were		The following limestone production was achieved	The production in the first four years of the scheme of mining was 0.96 lakh tonnes more
raised as against proposed 22.50 lakh tonnes. In the approved scheme of mining 22.50 lakh tonnes of limestone production was proposed as under	Year	Quantity in lakh tonnes	which is only 5% more than the proposed production. This was due to increased production requirement from the factory.
Year	Quantity in lakh tonnes	Year	Quantity in lakh tonnes
1994-95	4.50	1994-95	4.78
1995-96	4.50	1995-96	4.79
1996-97	4.50	1996-97	4.87
1997-98	4.50	1997-98	4.52
1998-99	4.50	The production in the first four year of the scheme of mining was 18.96 lakh tonnes as against 18.0 lakh tonnes proposed in the scheme of mining.	
During the five year mining plan period 15,900 plants were planted as against 12,900 proposed in the mining plan. In the approved scheme of mining 30,000 saplings were proposed for the five year period	Year	No. of sapling	During the mining plan approved of five years the plantation was more than the proposed , however in the first two years of the scheme of mining plantation target could not be achieved.
	Year	No. of sapling	
	1994-95	1250	
	1995-96	5400	
	1996-97	6000	
	1997-98	6000	
	1998-99	6000	

**TABLE II**  
**Six Year Production Plan**

Period	F BLOCK				F2 BLOCK				T
	Location	Bench 6 High Grade	Bench 5 Low Grade	Bench 4 Low Grade	Location	Bench 6 High Grade	Bench 5 Low Grade	Bench 4 Low Grade	
1999-2000	Between SL 14 & 16	10,000	3,000	1,000	Between SL 16 & 32	2,40,000	1,97,000	-	4,51,000
2000-2001	Between SL 14 & 16	5,000	10,000	8,000	Between SL 16 & 32	2,45,000	1,32,000	40,000	4,40,000
2001-2002	Between SL 14 & 16	5,000	2,000	2,000	Between SL 16 & 32	2,45,000	1,30,000	70,000	4,54,000
2002-2003	Between SL 14 & 16	3,000	1,000	1,000	Between SL 16 & 32	2,47,000	1,65,000	44,000	4,61,000
2003-2004	Between SL 14 & 16	2,000	1,000	1,500	Between SL 16 & 32	2,48,000	1,80,000	70,000	5,02,500
2004-2005	Between SL 14 & 16	-	2,000	2,500	Between SL 16 & 32	2,50,000	2,30,000	90,000	5,74,500
<b>GRAND TOTAL</b>									<b>28,83,000</b>

f - 2005-06 to  
2009-10

**THE ASSOCIATED CEMENT  
COMPANIES LIMITED  
CHAIBASA CEMENT WORKS  
JHARKHAND**

**SCHEME OF MINING  
AND  
PROGRESSIVE MINE CLOSURE PLAN  
OF  
RAJANKA LIMESTONE MINES  
LEASE AREA -598.88 Ha**

**VOLUME - I (TEXT)**

**SUBMITTED FOR APPROVAL BY  
INDIAN BUREAU OF MINES  
UNDER RULE 12 AND RULE 23 (B)  
OF  
Mineral Conservation and Development Rules - 1988**

2009-10

20

2009-10

20

**Summary of category wise limestone reserves estimated in  
Earlier scheme of mining as on 1.4.2002.**

Category of reserves	Reserves grade	Reserves (in lakh tonnes)
Proved	High grade (81.94% to 82.28% tc)	55.13
Proved	Low grade (69.14 to 72.76%tc)	53.56
<b>Total (High Grade+ Low Grade)</b>		<b>108.69</b>

**3.2 Depletion of reserves:**

3.2.1 Depletion of reserves has been considered on the basis of production made during the last 2 years (from 1-4-2002 to 31-3-2004) and one year proposed production for the remaining session of 2004-2005. The details of production are given in the following table.

**Year-wise production of limestone during the  
Scheme of mining period (1-4-2002 to 31-3-2004)**

Production session	Grade-wise production (in tonnes)		Total (in tonnes)
	High grade Ist.	Low grade Ist.	
2002-2003	48889	Nil	48889
2003-2004	36228	20,000	56228
2004-2005 (proposed)	171,000	178,000	349,000
<b>Total *</b>	<b>256117</b>	<b>198,000</b>	<b>454117</b>

**Note:** Apart from the above there is a proposal to raise about 3 lakh tonnes of shale from this area during the year 2004-2005.

Position for 2003 onwards is as follows: (LT = Lakh Tonnes)

Head	Year	Target (in Lakh tonnes)	Achievement (in lakh tonnes)	Reasons for deviations
Mine development	02-03	107000	126380	Increased need of advanced development
	03-04	80000	186540	
	04-05	539000	57625(Till Aug)	
Production	02-03	49000	48889	As per the requirement of factory
	03-04	37000	56228	
	04-05	349000	22716.3(Till Aug)	
Plantation NO. (Area)	02-03	5000 (2 Ha)	5000 (1.8 Ha.)	Combined for F and F2 Block
	03-04	5000 (2 Ha)	5000 (1.8 Ha.)	
	04-05	5000 (2 Ha)	5000 (2 Ha.)	

#### 1.4.3 Review of the compliance position of conditions and Stipulations imposed, if any, while approving the Mining plan.

Conditions regarding monitoring of environmental parameters is being complied with.

APPROVED

#### 1.4.4 Review of compliance of violations pointed out after Inspections, made under MCDR, 1988, during the last three years:

Total 4 inspections have been made by I.B.M. officers, after 03-11-2001

##### 1<sup>st</sup> Inspection

Date of Inspection: 25-05-02

IBM Official: Mr. M. Biswas, Dy. Controller of Mines, IBM, Kolkata.

Remarks: No violation pointed out during the inspections.

Ro

## Annexure:AI

Year wise development and production in lakh tonnes

From Rajanka mine in block F and F2

I Year	II Pit No	III Over burden	IV ROM Ore ie usable ore		Total	V Stripping Ratio III:IV
			Lime stone	Shale		
2005-06	Single pit	23.87	14.41	10.04	24.45	0.98
2006-07		24.02	14.42	10.15	24.57	0.98
2007-08		17.32	14.4	10	24.4	0.71
2008-09		12.9	14.4	9.8	24.2	0.53
2009-10		11.34	14.3	8.94	23.24	0.49
Total		89.45	71.93	48.93	120.86	0.74

## Annexure:AII(MS)

Year wise development and production in lakh tonnes

From Rajanka mine in block F only

I Year	II Pit No	III Over burden	IV ROM Ore ie Usable ore		Total	V Stripping Ratio III:IV
			Lime stone	Shale		
2005-06	Single pit	15.77	8.15	8.05	16.2	0.97
2006-07		15.8	8.22	8	16.22	0.97
2007-08		11.12	8.2	8.76	16.96	0.66
2008-09		6.2	11.2	9.8	21	0.3
2009-10		10.1	12.35	8.24	20.59	0.49
Total		58.99	48.12	42.85	90.97	0.65

**SCHEME of MINING  
AND  
PROGRESSIVE MINE CLOSURE PLAN  
OF  
RAJANKA LIMESTONE MINES  
F2 BLOCK LEASE  
Of M/S ACC LTD  
LEASE AREA - 63.87 Ha  
Non Forest Land – 63.87 Ha  
Forest Land - Nil  
Scheme Period – (2010 -15)  
Category – A (Fully Mechanized)**

**VOLUME – I (TEXT)**

**SUBMITTED  
UNDER RULE 12 AND RULE 23 (B)  
OF  
Mineral Conservation and Development Rules – 1988  
Name of Lessee: ACC LTD  
Name of Owner : Mr. Sumit Banerjee (nominated)  
District : West Singhbhum  
State : Jharkhand  
Name of RQP: Sandeep Kumar Singh**

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29/7/15

05-06  
to 2009-10  
F2  
Actual



Position till 31.03.2010 onwards is as follows: (LT = Lakh Tonnes)

Head	Year	Target (in Lakh tonnes)	Achievement (in lakh tonnes)	Reasons for deviations
Mine development (F2 Lease)	2005-06	810000	1979910	Increased need of advanced development
	2006-07	822000	1531495	
	2007-08	620000	797165	
	2008-09	670000	490545	
	2009-10	124000	464993	
Production (F2 Lease)	2005-06	626000	651620	As per the production and Quality requirement and of factory
	2006-07	620000	798389	
	2007-08	620000	715730	
	2008-09	320000	323428	
	2009-10	195000	433924	
Plantation NO. (Area)	2005-06	7500	9200	Combined for F and F2 Block
	2006-07	7500	10500	
	2007-08	6000	9000	
	2008-09	6000	7000	
	2009-10	5000	15000	
Exploration During (2005 -10)	2005-10	There was no proposal of exploratio n during (2005-10)	The exploration work was carried out from November 2006 till April 2007	25.73 lakh tonnes of shaly Limestone & 26.13 lakh tonnes of limestone is estimated out of which 3.18 Lakhs tonnes of shaly Limestone and 3.2 Lakh tonnes of Limestone falls under F2 Block.

F2 - 2005-06 to 09-10  
Actual  
07-03 to 04-05  
Not available

**THE ASSOCIATED CEMENT  
COMPANIES LIMITED  
CHAIBASA CEMENT WORKS  
JHARKHAND**

**MINING PLAN  
AND  
PROGRESSIVE MINE CLOSURE PLAN  
OF  
RAJANKA LIMESTONE MINES  
F2 BLOCK LEASE (AREA - 63.87 Ha)**

**VOLUME - I (TEXT)**

**SUBMITTED FOR APPROVAL BY  
INDIAN BUREAU OF MINES  
Under Rule 24(A) of  
Mineral Concession Rules, 1960  
And  
Under Rule 23 (B) of  
Mineral Conservation and Development Rules - 1988**

APPROVED

27/10/05

RAJANKA LIMESTONE MINE, A. C. LTD., CHABASIA

In lakh tones

		F2 BLOCK			F BLOCK			Total Rajanka Mine		
		Lime stone	Shale	Over Burden	Lime stone	Shale	Over Burden	Lime stone	Shale	Over Burden
Estimated Residual Reserves as on 31.3.05										
		64.72	22.04	48.89	90.82	56.96	72.28	155.5	79	121.91
PROPOSED PRODUCTION										
	YEAR									
1	2005-06	6.26	1.99	8.1	8.15	8.05	15.77	14.42	10.04	23.87
2	2006-07	6.2	2.15	8.22	8.22	8	15.8	14.42	10.15	24.02
3	2007-08	6.2	1.24	5.2	8.2	8.76	11.12	14.4	10	17.32
4	2008-09	3.2	-	6.7	11.2	9.8	6.2	14.4	9.8	12.9
5	2009-10	1.95	0.7	1.24	12.35	8.24	10.1	14.3	8.94	11.34
	Total	23.81	6.08	30.46	48.12	42.85	58.99	71.93	48.93	89.45
Residual Reserves as on 31.3.10										
		40.91	15.96	19.17	42.7	14.11	13.29	83.61	30.07	32.46

APPROVED BY  
 M. S. SINGH  
 10/10/09



**ACC LIMITED  
CHAIBASA CEMENT WORKS  
JHARKHAND**

**MINING PLAN  
AND  
PROGRESSIVE MINE CLOSURE PLAN  
OF**

**RAJANKA LIMESTONE MINES  
LEASE AREA – 598.88 Ha  
Mining Plan Period (2010 – 2015)  
Non Forest land – 598.88 Ha  
Forest Land – Nil  
Category – A (Fully Mechanised)  
RQP – Mr. Sandeep Kumar Singh  
(Reg No RQP/BNG/183/2003/A)**

**VOLUME - II (Annexure)**

**SUBMITTED FOR APPROVAL BY  
INDIAN BUREAU OF MINES**

**Under Rule 24A**

**Mineral Concessions**

## Annexure:6A

Year wise development and production in lakh tonnes

From Rajanka mine in block F only

I	II	III	IV	V	VI	ROM Ore ie Usable ore	VII	VIII
Year	Pit No	Over burden	hard Waste	Total waste	Lime stone	Grey shaly limestone	Total	Stripping Ratio V:VI
2010-11	Single	4.1	10.1	14.2	11.5	6.7	18.2	0.78
2011-12		4.3	10.25	14.55	11.6	6.8	18.4	0.79
2012-13		4.2	11.2	15.4	10.9	6.8	17.7	0.87
2013-14		3.8	6.9	10.7	10.9	2.5	13.4	0.80
2014-15		4.2	10.5	14.7	11	7	18	0.82
<b>Total</b>		<b>20.6</b>	<b>48.95</b>	<b>69.55</b>	<b>55.9</b>	<b>29.8</b>	<b>85.7</b>	<b>0.81</b>

F BLOCK of Main Lease					
		Lime stone	Grey shaly limestone	Waste	O/B
<b>Estimated Balance</b>					
Reserves as on 31.3.2010		73.01	<b>44.00</b>	<b>69.49</b>	28.99
<b>PROPOSED PRODUCTION</b>					
<b>YEAR</b>					
1	2010-11	11.5	6.7	10.1	4.1
2	2011-12	11.6	6.8	10.25	4.3
3	2012-13	10.9	6.8	11.2	4.2
4	2013-14	10.9	2.5	6.9	3.8
5	2014-15	11	7	10.5	4.2
<b>Total</b>		<b>55.9</b>	<b>29.8</b>	<b>48.95</b>	<b>20.6</b>
Balance Reserves as on 31.3.2015		20.11	<b>14.20</b>	<b>20.54</b>	8.39

Year-wise Development and Production

	III	IV	V	VI R.M Ore ie Usable ore	VII	VIII	IX
	Over burden	hard Waste	Total Waste	Lime stone(CaO>38%)	Grey shaly limestone(Ca O >35%)	Total	Stripping Ratio V:VIII
	0.4	1.1	1.5	3.5	0.3	3.8	0.39
	0.5	1.2	1.7	3.4	0.2	3.6	0.47
	0.45	1.3	1.75	4.1	0.2	4.3	0.41
	0.48	3	3.48	4.1	4.5	3.6	0.40
	0.48	0.9	1.38	4	0	4	0.35
	2.31	7.5	9.81	19.1	5.2	24.3	0.40

(Year wise production in lakh tonnes):

		F2 BLOCK	
		Lime stone CaO>38%)	Grey shaly limestone CaO >35%)
Estimated Residual 31.03.2010		39.28	10.89
<b>PROPOSED PRODUCTION</b>		<b>YEAR</b>	
1	2010-11	3.5	0.3
2	2011-12	3.4	0.2
3	2012-13	4.1	0.2
4	2013-14	4.1	4.5
5	2014-15	4	0
		<b>Total</b>	<b>19.1</b>
Residual Reserves as on 1.4.2015		20.18	5.69

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1st year -2010-11- a quantity of 3.5 lakh ton of limestone and .4 lakh ton of shaly limestone will be mined during the year out of which .3 lakh will be used and 1 lakh will be stacked as subgrade mineral . This area lies between in north of the mines between grid lines W800-W1000 and S-00 to S-200.same has been shown on plate no-VI titled production and development plan.

Limestone will be mined from benches having RL 280-282,291-300,and 282-291.grey shale will be removed from benches having RL 300-309.a total of 1.5 lakh tonnes of waste will be handles.from the area from the benches 300-309,309-

# MODIFIED MINING PLAN AND PROGRESSIVE MINE CLOSURE PLAN OF RAJANKA LIMESTONE MINES – MAIN LEASE ( IN SINGHBHUM (WEST) DISTRICT OF JHARKHAND )

MINING LEASE AREA PERIOD OF FIRST GRANT 1 <sup>ST</sup> RML GRANTED ON 1 <sup>ST</sup> RML EXPIRED ON 2 <sup>ND</sup> RML APPLIED ON 3 <sup>RD</sup> RML APPLIED ON CATEGORY OF MINES TYPE OF LAND SUBMITTED UNDER	- 598.88 Hectares. - 04.06.1943 UPTO 31.12.1970 - 01.01.1971 FOR 20 YEARS - 31.12.1990. - 22.12.1989 (For 20 yrs from 01.01.1991) - 22.12.2009 (For 20 yrs from 01.01.2011) - 'A' Fully mechanized. - Non- Forest. - Rule 22(6) of MCR ,1960 & 230(2) of MCR, 1988.
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**PERIOD OF MODIFIED MINING PLAN - 2015-16 TO 2019-20.**



**-- LESSEE --**  
**M/S ACC LIMITED**  
**CHAIBASA CEMENT WORKS**  
**DISTRICT - SINGHBHUM (WEST)**  
**JHARKHAND**  
**TELEPHONE NUMBER - (06589) 235224**  
**FAX - (06589) 235250**  
**IBM REGISTRATION NUMBER - IBM/256/2011**

*8th June, 2016*

**अनुमोदित**  
**APPROVED**

**Prepared by -**

**DR. GURUPINDER SINGH JAISWAL**

**M.Sc, Ph.D (Geo), PGDip (Eco & Enviro), FAE(QCI) NABET**  
**Regn. No. RQP/CAL/151/90/A, Validity - 14.02.2021.**

**Head Off:** 011, Vidhyapati Tower, Road No. - 7, Ramnagar, Sonari - 831011, Jamshedpur,  
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 9234770647, e-mail: [smsminesran@gmail.com](mailto:smsminesran@gmail.com)

15-14  
Poocho

**JANKA LIMESTONE MINES (MAIN LEASE) OVER 598.88 Ha.  
LESSEE: M/S ACC LIMITED**

Total						366600	136500	-	
Total excavation in overburden waste							503100 cum		
Total excavation in overburden waste (1914825 + 503100) cum							2417925 cum		

**Table showing Excavation in L.st (ROM) of 1st year (2015-16)**

Qry	Section line	R.L.	Sectional area m <sup>2</sup>			Length of influence (m)	Volume in cum		
			grey shaly L.st	pink L.st	off white L.st		grey shaly L.st	pink L.st	off white L.st
Qry - 1	AA'	308.00-299.00	1193	-	-	210	250530	-	-
	AA'	299.00-290.00	875	686	128	180	157500	123480	23040
	AA'	290.00-281.00	-	45	1098.86	150	-	6750	164829
	<b>TOTAL</b>						<b>408030</b>	<b>130230</b>	<b>187869</b>
<b>Total excavation in L.st (ROM)</b>							<b>726129 cum</b>		

**Table showing Production of Limestone and generation of Top soil, O/B, waste & sub-grade for (1st year)**

Year	Total excavation	Production of Lst			T. S (2.5% of total O/B)	Generation of Waste			Sub-grade Grey Shaly Limestone to be stacked
		Pink Lst (CaO >42.30%)	Off white Lst (CaO >49.10%)	Grey Shaly Lst Taken for Beneficiation (CaO 35.70%)		O/B Waste (97.5% of total O/B)	Purple shale	Green shale	
		cum	Cum	cum		cum	cum	cum	
1 <sup>st</sup> year	2417925+ 726129	130230	187869	183652.17	27213.75	1061336.25	922650	406725	224377.83
(cum)	3144054	501751.17			27213.75	2390711.25			224377.83
(MT)		299529	432098.70	422399.99	-	-	-	-	516069
		1154027.69			-	-	-	-	-
Stripping ratio (t/m <sup>3</sup> ) - 1: 1.44									

**Note:** For calculating the Stripping ratio, Total excavation of Pink Lst, Off white Lst & Grey shaly Lst- is considered in tons whereas, total volume of Topsoil, O/B waste, Purple shale & Green shale – in cum is considered. Sp. Gravity is taken as 1cum=2.3MT.

Total generation of waste = 27213.75 + 1061336.25 + 922650 + 406725 = 2417925 cum  
 Total production of Limestone = 299529 + 432098.70 + 422399.99 + 516069 = 1670096.69 MT  
 Stripping ratio = Waste quantity in cum / limestone production in MT  
 = 2417925 cum / 1670096.69 MT  
 = 1.44

Hence the stripping ratio is - 1: 1.44



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APPROVED**

*Dr. G. S. Jaiswal*  
(Dr. G. S. Jaiswal)  
RQP / CAL / 151 / 90 / A.

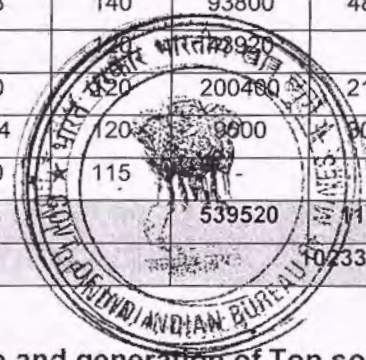
16-17  
Product

**JANKA LIMESTONE MINES (MAIN LEASE) OVER 598.88 Ha.  
LESSEE: M/S ACC LIMITED**

Total excavation in overburden waste							99540 cum		
New pit	ML S16	350.00-344.00	142	-	-	100	14200	-	-
	ML S16	344.00-335.00	544	-	-	120	65280	-	-
	ML S16	335.00-326.00	1465	-	-	120	175800	-	-
	ML S16	326.00-317.00	1432	433	-	120	171840	51960	-
	ML S11	317.00-308.00	132	528	-	140	18480	73920	-
Total							<b>445600</b>	<b>125880</b>	-
Total excavation in overburden waste							571480 cum		
Total excavation in overburden waste (99540 + 571480) cum							671020 cum		

**Table showing Excavation in L.st (ROM) of 2<sup>nd</sup> year (2016-17)**

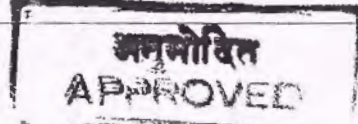
Qry	Section line	R.L.	Sectional area m <sup>2</sup>			Length of influence (m)	Volume in cum		
			grey shaly L.st	pink L.st	off white L.st		grey shaly L.st	pink L.st	off white L.st
Qry - 1	AA'	308.00-299.00	45.00	-	-	210	9450	-	-
	AA'	299.00-290.00	217.00	-	-	180	39060	-	-
	AA'	290.00-281.00	-	78.00	620.00	150	-	11700	93000
	TOTAL						48510	11700	93000
Total excavation in L.st (ROM)							153210 cum		
New Pit	ML S11	317.00-308.00	1370	100	-	140	191800	14000	-
	ML S11	308.00-299.00	670	345	918	140	93800	48300	128520
	ML S16	326.00-317.00	366	-	-	120	-	-	-
	ML S16	317.00-308.00	1670	180	140	120	200400	21600	16800
	ML S16	308.00-299.00	80	250	1354	120	9600	30000	162480
	ML S16	299.00-291.70	-	-	540	115	-	-	62100
TOTAL						539520	113900	369900	
Total excavation in L.st (ROM)							1023320 cum		



**Table showing Production of Limestone and generation of Top soil, O/B, waste & sub-grade for (2<sup>nd</sup> year)**

Year	Total excavation	Production of Lst			T. S (2.5% of total O/B)	Generation of Waste			Sub-grade Grey Shaly Limestone to be stacked
		Pink Lst (CaO >42.30%)	Off white Lst (CaO >49.10%)	Grey Shaly Lst Taken for Beneficiation (CaO 35.70%)		O/B Waste (97.5% of total O/B)	Purple shale	Green shale	
	cum	Cum			cum	cum			cum
2 <sup>nd</sup> year	671020+ 1176530	125600	462900	289826.08	11305	440895	193860	24960	298203.92
(cum)	1847550	878326.08			11305	659715			298203.92
(MT)		288880	1064670	666600	-	-			685869.02
		2020150			-	-			-

Stripping ratio (t/m3) - 1: 0.24



*Dr. G. S. Jaiswal*  
(Dr. G. S. Jaiswal)  
RQP / CAL / 151 / 90 / A.

**RAJANKA LIMESTONE MINES (MAIN LEASE) OVER 598.88 Ha.  
LESSEE: M/S ACC LIMITED**

production of L.st and waste generated have been given in the Table – 2.4 and shown in development plan (Plate – 6F (III)).

**Table- 2.4**

**Table showing Excavation in Overburden (2017-18)**

Qry	Section Line	R.L.	Sectional area m <sup>2</sup>			Length of influence (m)	Total excavation cum		
			O.B	Purple shale	Green shale		O.B	Purple shale	Green shale
Qry-1	ML S16	344.00-335.00	54.00	-	-	120	6480	-	-
	ML S16	335.00-326.00	108.00	-	-	120	12960	-	-
	ML S11	335.00-326.00	54.00	-	-	140	7560	-	-
	ML S16	326.00-317.00	123.00	38.00	-	120	14760	4560	-
	ML S11	326.00-317.00	41.00	67.00	-	140	5740	9380	-
	ML S16	317.00-308.00	-	33.00	-	120	-	3960	-
	ML S11	317.00-308.00	-	81.00	-	140	-	11340	-
Total							47500	29240	-
Total excavation in overburden & waste							76740 cum		



**Table showing Excavation in L.st (ROM) of 3rd year (2017-18)**

Qry	Section line	R.L.	Sectional area m <sup>2</sup>			Length of influence (M)	Volume in cum		
			grey shaly L.st	pink L.st	off white L.st		grey shaly L.st	pink L.st	off white L.st
New Pit	ML S16	317.00-308.00	182.00	-	-	120	21840	-	-
	ML S11	317.00-308.00	83.00	-	-	140	11620	-	-
	ML S16	308.00-299.00	83.00	72.00	118.00	120	9960	8496	14160
	ML S11	308.00-299.00	173.00	45.00	-	140	24220	6300	-
	ML S16	299.00-295.30	-	-	232.00	120			27840
	ML S11	299.00-290.00	-	-	235.00	140			32900
Total							67640	14796	74900
Total excavation in L.st (ROM)							157336 cum		

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APPROVED**

**Table showing Production of Limestone and generation of Top soil, O/B, waste & sub-grade for (3rd year)**

Year	Total excavation	Production of Lst			T. S (2.5% of total O/B)	Generation of Waste			Sub-grade Grey Shaly Limestone to be stacked
		Pink Lst (CaO >42.30%)	Off white Lst (CaO >49.10%)	Grey Shaly Lst Taken for Beneficiation (CaO 35.70%)		O/B Waste (97.5% of total O/B)	Purple shale	Green shale	
	cum				cum				cum
3 <sup>rd</sup> year	76740+	14796	7490	-	1187.50	46312.50	29240	-	67640

*(Dr. G. S. Jaiswal)*  
RQP /CAL /151 /90 /A.

17-18  
Products

**ANKA LIMESTONE MINES (MAIN LEASE) OVER 598.88 Ha.  
LESSEE: M/S ACC LIMITED**

(cum)	234076	89696		1187.50	75552.50		67640
(MT)		34030.80	172270	-	-	-	155572
		206300.80		-	-	-	-
Stripping ratio (t/m <sup>3</sup> ) - 1: 0.21							

**Note:** For calculating the Stripping ratio, Total excavation of Pink Lst, Off white Lst & Grey shaly Lst- is considered in tons whereas, total volume of Topsoil, O/B waste, Purple shale & Green shale – in cum is considered. Sp. Gravity is taken as 1cum=2.3MT.

Total generation of waste= 1187.50+46312.50+29240=76740 cum

Total production of Limestone= 34030.80+172270+155572= 361872.80MT

Stripping ratio = Waste quantity in cum/ limestone production in MT  
= 76740 cum/361872.80MT  
= 0.21

Hence the stripping ratio is - 1: 0.21



**Balance sheet of mineral reserves at the end of 3rd year development**

Limestone in lakh tones			
Limestone	Opening balance As on 01.04.2016	Production	Closing Balance
Pink + Off White	18.142	2.063	16.080
Grey shaly	3.564	1.555	2.009

**Table showing dimensions of the Existing Quarry and at the end of the 3rd year**

Quarry	Existing				At the end of 3rd year			
	Length	Width	Top RL	Bottom RL	Length	Width	Top RL	Bottom RL
Q1	730	578	345.97	278.98	730	578	345.97	278.98
New pit	330	293	350.00	291.70	330	293	350.00	291.70

**अनुमोदित**  
**APPROVED**

**Proposed development programme for the 3rd Year in S-Block(2017-18)**

In this year it is planned to work both laterally as well as depth by pushing of existing quarry in S-Block to meet the targeted Production.

The proposed development will be concentrated in section SL 07 from 278.00m RL to 260.00m RL, in section SL 06 from 271.00m RL to 258.00m RL, in section SL 05 from 273.00m RL to 259.00m RL, in section SL 04 from 274.00m RL to 260.00m RL, in section SL 03 from 275.00m RL to 263.00m RL, in section SL 02 from 277.75m RL to 273.00m RL.

The development of above sections give a quantity of 693960 cum ROM, out of which 298710 cum or 687033 MT Grey shaly Limestone, 395250 cum or 909075 MT Off white

*G. S. Jaiswal*  
(Dr. G. S. Jaiswal)

**RAJANKA LIMESTONE MINES (MAIN LEASE) OVER 598.88 Ha.  
LESSEE: M/S ACC LIMITED**

limestone and cum or 255693.80 over burden. The details of total excavation, production of L.st and waste generated have been given in the **Table – 2.5** and shown in development plan (**Plate – 6S**).

**Table- 2.5**

**Table showing Excavation in S-Block (2017-18)**

Block	Section Line	Proposed working R.L.	Sectional Area m <sup>2</sup>			Length of influence (m)	Total Excavation cum		
			O.B.	Shaly Lst	Off white Lst		O.B.	Grey Shaly Lst	Off white Lst
S	SL07	278.00-269.00	170.00	254.00	226.00	120.00	20400.00	30480.00	27120.00
	SL07	269.00-260.00	-	-	195.00	120.00	-	-	23400.00
	SL06	271.00-262.00	448.00	603.00	659.00	50.00	22400.00	30150.00	32950.00
	SL05	273.00-264.00	1019.00	885.00	320.00	60.00	61140.00	53100.00	19200.00
	SL04	274.00-265.00	880.00	1453.00	685.00	60.00	52800.00	87180.00	41100.00
	SL03	275.00-266.00	730.00	1098.00	712.00	70.00	51100.00	76860.00	49840.00
	SL02	277.75-273.00	1259.31	-	-	38.00*	47853.78	-	-
	SL06	262.00-258.00	-	-	445.00	50.00	-	-	22250.00
	SL05	264.00-259.00	-	117.00	530.00	60.00	-	7020.00	31800.00
	SL04	265.00-260.00	-	232.00	970.00	60.00	-	5920.00	58200.00
	SL03	266.00-263.00	-	-	1277.00	70.00	-	-	89390.00
	<b>Total</b>						<b>255693.80</b>	<b>298710.00</b>	<b>395250</b>

**Table showing Production of Limestone and generation of Top soil, O/B, waste & sub-grade for (3rd year)**

Year	Total excavation	Production of Lst			T. S (2.5% of total O/B)	Generation of Waste			Sub-grade Grey Shaly Limestone to be stacked
		Pink Lst (CaO >42.30%)	Off white Lst (CaO >49.10%)	Grey Shaly Lst taken for Beneficiation (CaO 35.70%)		Waste shale (97.5% to 99.5%)	Open shale		
	cum	Cum			cum	cum			cum
3 <sup>rd</sup> year	255693.80+ 693960	-	395250	298710	6392.35	249301.45	-	-	-
(cu m)	949653.80	693960			6392.35	249301.45			-
(M T)	1596108	-	909075	687033	-	-	-	-	-
		1596108							
Stripping ratio (t/m <sup>3</sup> ) - 1: 0.16									

**Note:** For calculating the Stripping ratio, Total excavation of Pink Lst, Off white Lst & Grey shaly Lst- is considered in tons whereas, total volume of Topsoil, O/B waste, Purple shale & Green shale – in cum is considered. Sp. Gravity is taken as 1cum=2.3MT.

(Dr. G. S. Jaiswal)

IRQP /CAL /151 /90 /A.

रजंका RAN/WSB/LST/MP-34/2017-18,  
Date - 06.03.2018.

# MODIFICATION TO THE APPROVED MODIFIED MINING PLAN AND PROGRESSIVE MINE CLOSURE PLAN OF



## RAJANKA LIMESTONE MINES – MAIN LEASE

(IN SINGHBHUM (WEST) DISTRICT OF JHARKHAND)

SUBMITTED UNDER RULE 17(3) OF MINERALS (OTHER THAN ATOMIC AND HYDROCARBONS ENERGY MINERALS) CONCESSION RULES, 2016 & 23 OF MCDR, 2017.

- MINING LEASE AREA** - 598.88 Hectares.
- PERIOD OF FIRST GRANT** - 04.06.1943 UPTO 31.12.1970
- 1<sup>ST</sup> RML GRANTED ON** - 01.01.1971 FOR 20 YEARS.
- 1<sup>ST</sup> RML EXPIRED ON** - 31.12.1990.
- 2<sup>ND</sup> RML APPLIED ON** - 22.12.1989 (For 20 yrs from 01.01.1991)
- 3<sup>RD</sup> RML APPLIED ON** - 22.12.2009 (For 20 yrs from 01.01.2011)
- LEASE PERIOD EXTENDED ON** - 17.10.2017 (UPTO 31.03.2030)
- CATEGORY OF MINES** - 'A' Fully mechanized.
- TYPE OF LAND** - Non- Forest.

<b>PERIOD OF APPROVED MODIFIED MINING PLAN</b>	<b>2015-16 TO 2019-20</b>
<b>PROPOSED PERIOD OF MODIFICATION TO THE APPROVED MODIFIED MINING PLAN</b>	<b>01.12.2017-18 TO 2019-20</b>

### VOLUME – I (TEXT)

- LESSEE -

**M/s ACC LIMITED**

**CHAIBASA CEMENT WORKS**

**DISTRICT - SINGHBHUM (WEST)**

**JHARKHAND**

**TELEPHONE NUMBER - (06589) 235224**

**FAX - (06589) 235250**

**MINE CODE - 388HR27013**

**IBM REGISTRATION NUMBER - IBM/256/2011**

06/03/2018  
क्षेत्रीय खान नियंत्रक  
भारतीय खान ब्यूरो  
Regional Controller of Mines  
Indian Bureau of Mines

Prepared by -

**DR. GURUPINDER SINGH JAISWAL**

**M.Sc, Ph.D (Geo), PGDip (Eco & Enviro), FAE & ECs (QCI) NABET**

**QUALIFIED PERSON UNDER RULE 15 OF MCR, 2016.**

**Head Off: 011, Vidhyapati Tower, Road No. - 7, Ramnagar, Sonari - 831011, Jamshedpur, Telefax: 0657- 2309730, Mob- 9431161972, e-mail: smsmines@gmail.com**

**Branch Off: C/284, Road No. 1, Ashok Nagar, Ranchi, Jharkhand, Tele: 0651- 2243213, Mob- 9234770647, e-mail: smsminesran@gmail.com**

**Modification To the Approved Modified Mining Plan for RAJANKA LIMESTONE MINES  
(MAIN LEASE) of M/S ACC LIMITED Over an area of 598.88 Ha situated in Singhbhum  
West District of Jharkhand State.**

**ii) Actual exploitation work done by the lessee during the last approved modified mining plan period**

The production achieved during the approved modified mining plan period is given below.  
**(Production achieved during the approved modified mining plan period)**

Year	Production in MT			Total
	HG	LG	Grey shaly Lst	
2015-16	297045	198029	126725	621799.00
2016-17	521525	347683	223842	1093050.00
2017-18 (upto Nov 2017)	326236	217493	170905	714634.00
<b>Total</b>	<b>1144806</b>	<b>763205</b>	<b>521472</b>	<b>2429483.00</b>

**iii) Causes of deviation from the proposed programme**

The total production target as proposed in the approved modified mining plan up to 2017-18 was 4976586.49 MT. Against the target, only 2429483.00 MT of production was achieved upto Nov, 2017. The production target could not be achieved as the EC for "S" Block is not obtained till date. So, the production target has been restricted to granted EC from F block only. As such, target could not be achieved.

**d) Waste Management:**

**i) Year-wise generation of waste and dumping as per the last approved modified mining plan approved on 08.06.2016**

It had been stated in the approved modified mining plan that only two blocks of the main lease i.e. Block – F and Block – S were selected for mining and production of limestone. The limestone occurs below the overburden in 'S' block which mainly consists of topsoil and clay. Incidence of top soil is very meager in this area and further most of the top soil has already been removed in the past consequent to breaking of ground & used for the purpose of plantation. It is estimated that top soil generated as a result of fresh ground breaking due western side will be around 2 - 2.5% of the overburden. Overburden waste shall be generated from both F and S block. In F block, overburden waste includes – soil, purple shale, green shale. It has been calculated that a quantity of 249301.45cum waste shall be generated from the S block. The year-wise generation of waste from both blocks during this Modified plan period is given below:

*G. S. Jaiswal*  
(Dr. G. S. Jaiswal)  
Qualified Person

# MODIFICATION TO THE APPROVED MODIFIED MINING PLAN AND PROGRESSIVE MINE CLOSURE PLAN OF



## RAJANKA LIMESTONE MINES – MAIN LEASE

(IN SINGHBHUM (WEST) DISTRICT OF JHARKHAND) अनुमोदित

SUBMITTED UNDER RULE 17(3) OF MINERALS (OTHER THAN ATOMIC AND HYDROCARBONS ENERGY MINERALS) CONCESSION RULES, 2016 & 23 OF MCDR, 2017). APPROVED

- MINING LEASE AREA** - 598.88 Hectares.
- PERIOD OF FIRST GRANT** - 04.06.1943 UPTO 31.12.1970
- 1<sup>ST</sup> RML GRANTED ON** - 01.01.1971 FOR 20 YEARS.
- 1<sup>ST</sup> RML EXPIRED ON** - 31.12.1990.
- 2<sup>ND</sup> RML APPLIED ON** - 22.12.1989 (For 20 yrs from 01.01.1991)
- 3<sup>RD</sup> RML APPLIED ON** - 22.12.2009 (For 20 yrs from 01.01.2011)
- LEASE PERIOD EXTENDED ON** - 17.10.2017 (UPTO 31.03.2030)
- CATEGORY OF MINES** - 'A' Fully mechanized.
- TYPE OF LAND** - Non- Forest.

PERIOD OF APPROVED MODIFIED MINING PLAN	2015-16 TO 2019-20
PROPOSED PERIOD OF MODIFICATION TO THE APPROVED MODIFIED MINING PLAN	01.12.2017-18 TO 2019-20

### VOLUME – I (TEXT)

-- LESSEE --

**M/s ACC LIMITED**

**CHAIBASA CEMENT WORKS**

**DISTRICT - SINGHBHUM (WEST)**

**JHARKHAND**

**TELEPHONE NUMBER - (06589) 235224**

**FAX - (06589) 235250**

**MINE CODE - 388HR27013**

**IBM REGISTRATION NUMBER - IBM/256/2011**

06/03/2018  
क्षेत्रीय खान नियंत्रक

Regional Controller of Mines  
भारतीय खान ब्यूरो  
Indian Bureau of Mines

**Prepared by -**

**DR. GURUPINDER SINGH JAISWAL**

**M.Sc, Ph.D (Geo), PGDip (Eco & Enviro), FAE & ECs (QCI) NABET**

**QUALIFIED PERSON UNDER RULE 15 OF MCR, 2016.**

**Head Off: 011, Vidhyapati Tower, Road No. - 7, Ramnagar, Sonari - 831011, Jamshedpur, Telefax: 0657- 2309730, Mob- 9431161972, e-mail: smsmines@gmail.com**

**Branch Off: C/284, Road No. 1, Ashok Nagar, Ranchi, Jharkhand, Tele: 0651- 2243213, Mob- 9234770647, e-mail: smsminesran@gmail.com**

**Modification To the Approved Modified Mining Plan for RAJANKA LIMESTONE MINES  
(MAIN LEASE) of M/S ACC LIMITED Over an area of 598.88 Ha situated in Singhbhum  
West District of Jharkhand State.**

M.L-S15	343.24-339.00	-	-	-	40.00	-	-	-
M.L-S16	347.51-339.00	-	-	-	48.00	-	-	-
M.L-S14	339.00-330.00	-	-	-	40.00	-	-	-
M.L-S15	339.00-330.00	-	-	-	40.00	-	-	-
M.L-S16	339.00-330.00	-	-	-	43.00	-	-	-
M.L-S14	330.00-321.00	-	-	-	40.00	-	-	-
M.L-S15	330.00-321.00	-	-	-	40.00	-	-	-
M.L-S16	330.00-321.00	-	-	-	42.00	-	-	-
M.L-S14	321.00-312.00	125.00	-	-	40.00	5000.00	-	-
M.L-S15	321.00-312.00	233.00	-	-	40.00	9320.00	-	-
M.L-S16	321.00-312.00	495.00	-	-	41.00	20295.00	-	-
M.L-S14	312.00-303.00	11.00	45.00	62.00	40.00	440.00	1800	2480.00
M.L-S15	312.00-303.00	229.00	70.00	87.00	40.00	9160.00	2800	3480.00
M.L-S16	312.00-303.00	460.00	244.00	198.00	41.00	18860.00	10004	8118.00
M.L-S15	303.00-297.00	-	-	172.00	40.00	-	-	6880.00
M.L-S16	303.00-295.89	-	-	492.00	43.00	-	-	21156.00
M.L-S17	346.75-339.00	-	-	-	45.00	-	-	-
M.L-S18	345.90-339.00	-	-	-	46.00	-	-	-
M.L-S17	339.00-330.00	-	-	-	40.00	-	-	-
M.L-S18	339.00-330.00	-	-	-	47.00	-	-	-
M.L-S17	330.00-321.00	1263	-	-	40.00	50520.00	-	-
M.L-S18	330.00-321.00	1398	-	-	45.00	62910.00	-	-
M.L-S17	321.00-312.00	1631	194	333	40.00	65240.00	7760.00	13320.00
M.L-S18	321.00-312.00	1719	0.00	364	47.00	80793.00	-	17108.00
M.L-S17	312.00-303.00	-	85	1964	40.00	-	3400.00	78560.00
<b>Total</b>						<b>444469.00</b>	<b>37922.00</b>	<b>238241.00</b>
<b>Total excavation in L.st</b>						<b>720632.00</b>		

**Table showing Production of Limestone and generation of Top soil,  
O/B, waste & sub-grade for (2018-19)**

Year	Total excavation	Production of Lst			T. S (2.5% of total O/B)	Generation of Waste			Sub-grade Grey Shaly Limestone to be stacked
		Pink Lst (CaO >42.30%)	Off white Lst (CaO >49.10%)	Grey Shaly Lst Taken for Beneficiation (CaO 35.70%) 50% of the total generation		O/B Waste (97.5% of total O/B)	Purple shale	Green shale	
	cum	Cum			cum	cum			cum
2018-19	396110 + 720632	37922	238241	222234.50	1799.92	70197.08	324113	-	222234.50
(cum)	1116742	498397.50			1799.92	394310.08			222234.50
(MT)		87220.60	547954.30	511139.35	-	-			511139.35
		1657453.60			-	-			-
Stripping ratio (t/m <sup>3</sup> ) - 1: 0.23									

**Note:** For calculating the Stripping ratio, Total excavation of Pink Lst, Off white Lst & Grey shaly Lst- is considered in tons whereas, total volume of Topsoil, O/B waste, Purple shale & Green shale - in cum is considered. Sp. Gravity is taken as 1cum=2.3MT.

*Dr. G. S. Jaiswal*  
(Dr. G. S. Jaiswal)  
Qualified Person

**Modification To the Approved Modified Mining Plan for RAJANKA LIMESTONE MINES (MAIN LEASE) of M/S ACC LIMITED Over an area of 598.88 Ha situated in Singhbhum West District of Jharkhand State.**

(cum)	887339	501828.50		970.72	180644.28	203895.50
(MT)	183599.80	501646.10	468959.65	-	-	468959.65
		1154205.55		-	-	-
Stripping ratio (t/m3) - 1: 0.11						

Note: For calculating the Stripping ratio, Total excavation of Pink Lst, Off white Lst & Grey shaly Lst- is considered in tons whereas, total volume of Topsoil, O/B waste, Purple shale & Green shale – in cum is considered. Sp. Gravity is taken as 1cum=2.3MT  
 Total generation of waste= 970.72+37858.28+142786=181615.00cum

Total production of Limestone= 183599.80+501646.10+468959.65+468959.65  
 = 1623165.20MT

Stripping ratio = Waste quantity in cum/ limestone production in MT  
 = 181615.00cum/1623165.20MT  
 = 0.11

Hence the stripping ratio is - 1: 0.11



**अनुमोदित  
APPROVED**

**Balance sheet of mineral reserves at the end of 5th year (2019-20)**

Limestone in Million ton			
Limestone	Opening balance As on 01.04.2019	Production	Closing Balance As on 01.04.2020
Pink + Off White	2.255	0.685	1.570
Grey shaly	1.522	0.938 (0.469 Million ton is taken for beneficiation)	0.584

**Table showing dimensions of the Existing Quarry and at the end of the 2019-20**

Quarry	Existing				At the end of 2019-20			
	Length	Width	Top RL	Bottom RL	Length	Width	Top RL	Bottom RL
Q1	658	570	345.32	276.85	658	570	345.32	276.85
New pit	390	280	346.99	290.50	490	280	346.99	290.50

**Table- 2.5**

**II. Insitu Tentative Excavation**

Year	Pit No.	Total tentative excavation (cum)	Top soil (cum)	OB/SB/IB (cum)	ROM (cum)		Mineral reject	ROM / waste Ratio
					Limestone (Cum)	Mineral reject (cum)		
1	2	3	4	5	6	7	8	9
2017-18 (Dec 2017-18)	New Pit & Qry -1	168741	154.50	9621.50	94860.00	64105.00	-	1.0.06

*G. S. Jaiswal*  
 (Dr. G. S. Jaiswal)  
 Qualified Person



**GOVERNMENT OF INDIA  
MINISTRY OF MINES  
INDIAN BUREAU OF MINES  
OFFICE OF THE REGIONAL CONTROLLER OF MINES**

**E-MAIL/SPEED POST**

Telephone: (0651) 2242889  
(0651) 2242903  
Fax : (0651) 2242903  
E-mail: ro.ranchi@ibm.gov.in

No.: RAN/WSB/LST/MP-37/2019-20,

318-B, Road No.- 3,  
Ashok Nagar,  
Ranchi – 834 002,  
Date: 26/11/2020

To: **Shri Sridhar Balakrishnan,**  
Managing Director & Nominated Owner,  
M/s A.C.C. Limited,  
At – Chaibasa Cement Works,  
Post – Jhinkpani, PIN – 833215.  
Dist. – West Singhbhum.  
E-mail: sridhar.balakrishnan@acclimited.com

**Sub: Approval of Review of Mining Plan alongwith Progressive Mine Closure Plan in respect of RAJANKA Limestone mine (Main Lease) over an area of 598.88 hectares located in village- Rajanka, Dokata, Purna Chaibasa & Indikuri etc., Post - Jhinkpani, District- West Singhbhum, Jharkhand state submitted under Rule-17(2) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016.**

Ref: Your letter ref. no.: (1) CH/QR/IBM/2020-12, Dated 27/01/2020,  
(2) CH/QR/IBM/2020-56, Dated 05/11/2020 and

This office letter no.: राँची/प.सिंहभूम/चू.प.-एमपी-37/2019-20, दिनांक: 03/11/2020

Sir,

This approval is in supersession of earlier provisional approval communicated vide this office Letter no.: RAN/WSB/LST/MP-37/2019-20, dated 03.04.2020. In exercise of the powers conferred by the Clause (b) of Sub-section (2) of Section 5 of Mines and Minerals (Development and Regulation) Act, 1957 read with Government of India Order no.: S.O. 1857(E), dated 18/05/2016, I hereby approve the above said Mining Plan including Progressive Mine Closure Plan of RAJANKA Limestone mine (Main Lease) over an area of 598.88 hectares of M/s A.C.C. Limited submitted under Rule 17(2) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016 by you vide above referred letters. This approval is subject to the following conditions:

- (i) The review of mining plan is approved without prejudice to any other laws applicable to the mine/area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- (ii) The proposals shown on the plates and/or given in the document is based on the lease map/sketch submitted by the applicant/lessee and is applicable from the date of approval.
- (iii) It is clarified that the approval of aforesaid review of mining plan does not, in any way, imply the approval of the Government in terms of any other provision of the Mines & Minerals (Development & Regulation) Act, 1957 or the Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made thereunder, Mines Act, 1952 and Rules & Regulations made thereunder.

Contd. --- 2/-

No.: RAN/WSB/LST/MP-37/2019-20.

- (iv) Indian Bureau of Mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant/lessee.
- (v) At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- (vi) The approval of Review of Mining Plan is subject to DGPS Survey of 21 Blocks have to be done apart from 'Block-F' and submission of copy of the Lease area plan i.e., Cadastral Map (Khasra Plan) & DGPS surveyed map duly authenticated by the State Government, Jharkhand within 6 (six) months from the date of approval to this office.
- (vii) The detailed exploration (G1 level) over the entire potentially mineralised area under the mining lease shall be carried out within a period of five years as required under sub rule 4 of Rule 12 of Mineral Conservation and Development Rules, 2017.
- (viii) Next Financial Assurance shall be due for submission on or before 31/03/2025.
- (ix) An Environmental monitoring cell should be constituted to carry out regular monitoring of environmental parameters (Air, Water & Noise level) and quarterly report Environmental monitoring should be submitted to the Regional Controller of Mines, Indian Bureau of Mines, Ranchi. Further, daily monitoring report should be displayed on display board near mine/mine office.
- (x) If the approval conflicts with any other law or court order/direction under any statute, it shall be revoked immediately.

Yours faithfully

Encl.: One copy of approved  
Mining Plan.

  
(Anupam Nandi)  
Regional Controller of Mines

Copy forwarded for information to: -

- ✓ 1. **The Director (Mines)**, Directorate of Mines, Government of Jharkhand, 3<sup>rd</sup> Floor, Yojna Bhawan, Jharkhand Mantralaya, Doranda, Ranchi-834002 along with a copy of approved mining plan.
2. (i) Dr. Gurupinder Singh Jaiswal, (ii) Shri Sanjeev Tripathi & (iii) Shri Pankaj Sharma, (Qualified Persons), M/s A.C.C. Ltd., At - Chaibasa Cement Works, Post - Jhinkpani, Dist. - West Singhbhum - 833215 (Jharkhand).  
E-mail: Sanjeev.tripathi@acclimited.com

  
20/11/2020  
(Anupam Nandi)  
Regional Controller of Mines

**Review of Mining Plan for RAJANKA LIMESTONE MINES (MAIN LEASE) of M/S ACC LIMITED Over an area of 598.88 Ha situated in Singhbhum West District of Jharkhand State.**

**b) Indicate year-wise tentative excavation in cubic meters indicating development, ROM, pit wise as in table below.**

The year-wise excavation, production of limestone and generation of waste for the plan period is given in **Table – 2.6.**

**Table- 2.6**

**I. Insitu Tentative Excavation**

Year	Pit No.	Total tentative excavation (cum)	Top soil (cum)	OB/SB/IB (cum)	ROM (cum)		Mineral reject	ROM / waste Ratio
					Limestone (Cum)	Mineral reject (cum)		
1	2	3	4	5	6	7	8	9
2020-21	New Pit+Q1	976046	900.00	409929	347826	217391	-	1: 0.7
2021-22	Q1	878257	980.00	312060	347826	217391	-	1: 0.6
2022-23	Q1	243304	72.00	51928	160870	30435	-	1: 0.3
2023-24	Q1	235357	144.00	50256	152174	34783	-	1:0.3
2024-25	Q1	246609	60.00	63940	152174	30435	-	1:0.4

**Table No. – 2.6A.**

**Table showing year-wise use of Grey-shaly Limestone**

Year	Pit No.	Total Generation Mineral reject (cum)	Total Mineral reject taken for Beneficiation (cum)	Temporary Storage of Mineral reject cum	Re-used of Stored Mineral reject cum	Storage of Mineral reject for future use (cum)
2020-21	New Pit+Q1	217391	173913	0	0	43478
2021-22	Q1	217391	173913	0	0	43478
2022-23	Q1	30435	56522	0	26087	0
2023-24	Q1	34783	65218	0	30435	0
2024-25	Q1	30435	56522	0	26087	0

**Note1:** Total storage of mineral reject for future use may vary depending upon the actual requirement of Grey Shaly Limestone in flotation circuit.

**Note 2:** Mineral rejects volume to be reused in third, fourth & fifth year is from the mineral reject stored in first & second year of F block production. However total quantity may vary and stock volume reduction will depend upon the actual consumption of mineral reject in the flotation circuit.

**(Dr. G. S. Jaiswal)**  
Qualified Person

**(Mr. Sanjeev Tripathi)**  
Qualified Person

**(Mr.Pankaj Sharma)**  
Qualified Person

**FORM H-8**  
**For the financial Year 1st April 2019 to 31st March 2020**  
**ANNUAL RETURN**  
**[ See rule 45(5) (b) (viii)]**  
**(Read the instructions carefully before filling the particulars)**

- To
- (i) The Regional Controller of Mines  
Indian Bureau of Mines  
Kolkata Region,  
PIN:
- ( Please address to Regional Controller of Mines in whose territorial jurisdiction the mines falls as notified from time to time by the Controller General, Indian Bureau of Mines under Rule 62 of the Mineral Conservation and Development Rules, 1988 )
- (ii) The State Government of Jharkhand

**Part - I**  
**(General and Labour)**

<b>1. Details of the Mine</b>	
(a) Registration Number	IBM/256/2011
(b) Mine Code	38BHR27013
(c) Name of the Mineral	LIMESTONE
(d) Name of Mine	RAJANKA
(e) Name(s) of other Mineral(s), if any produced from the same mine	
<b>2. Location of the Mine:</b>	
Village	RAJANKA
Post Office	JHINKPANI
Tahsil/Taluk	CHAIBASA
District	SINGHBHUM (WEST)
State	JHARKHAND
PIN Code	833215
Fax No.	06589235250
Phone No.	06589235224
Mobile No.	9816016980
E-mail	sanjeev.tripathi@acclimited.com
<b>3. Name and Address of Lessee/Owner (along with fax no. and e-mail)</b>	
Name of Owner	M/s. ACC Limited
Street/Village	Cement House121, M K Road, Mumbai
Post Office	--
Tahsil/Taluk	--
District	MUMBAI (SUBURBAN)
State	MAHARASHTRA
PIN Code	400020
Fax No	06589235250
Phone No	06589235224
Mobile No	9004687936
E-mail	pradiptakumar.nanda@acclimited.com
4. Registered Office of the Lessee	ACC limited, 121, M K Road, Mumbai
5. Director in charge	Raj Gurung
6. Agent	Raj Gurung
7. Manager	Mr. Sanjeev Tripathi
8. Mining Engineer in charge	Mr. Sanjeev Tripathi
9. Geologist in charge	Mr. Pankaj Sharma
10.(i) Transferer (previous owner)	--
(ii) Date of Transfer	01-01-1970

**6. Give Reason for increase/decrease in production**

Give reasons for increase/decrease in production compared to the previous year or nil production, if any, during the year .

PRODUCTION DECREASE AS PER PLANT REQUIREMENT

**7. Give Reason for increase/decrease in grade wise ex-mine price**

Give reasons for increase/decrease in grade wise ex-mine price ,if any, during the year compared to the previous year .

PRICE INCREASE DUE TO INCREASE IN MAINTENANCE COST

**Part - VII  
COST OF PRODUCTION**

	Item	Cost Per Tonne (in ₹ )
(i)	Direct Cost	200.00
	(a) Exploration	0.00
	(b) Mining	200.00
	(c) Beneficiation(Mechanical Only)	0.00
(ii)	Over-head cost	101.00
(iii)	Depreciation	51.00
(iv)	Interest	0.00
(v)	Royalty	80.00
(vi)	Taxes	0.00
(vii)	Dead Rent	0.00
(viii)	Others (specify)	0.00
	Total	432.00

Mineral Name	Production proposal for financial year 2019 - 2020	Production reported during the financial year 2019 - 2020	Difference
LIMESTONE	0	782565	-782565

I Certify that the information furnished above is correct and complete in all respects.

Place :

Dist: SINGHBHUM (WEST), JHARKHAND

Pin:833215

Date : 28-06-2020

Signature

Name :

Designation:

Owner / Agent / Mining Engineer / Manager

**From: 85.115.52.202 at 2020-06-28 14:17:04**

**FORM H-8**  
**For the financial Year 1st April 2020 to 31st March 2021**  
**ANNUAL RETURN**  
**[ See rule 45(5) (b) (viii)]**  
**(Read the instructions carefully before filling the particulars)**

To

(i) The Regional Controller of Mines  
Indian Bureau of Mines  
Kolkata Region,  
PIN:

( Please address to Regional Controller of Mines in whose territorial jurisdiction the mines falls as notified from time to time by the Controller General, Indian Bureau of Mines under Rule 62 of the Mineral Conservation and Development Rules, 1988 )

(ii) The State Government of Jharkhand

**Part - I**  
**(General and Labour)**

<b>1. Details of the Mine</b>	
(a) Registration Number	IBM/256/2011
(b) Mine Code	38BHR27013
(c) Name of the Mineral	LIMESTONE
(d) Name of Mine	RAJANKA
(e) Name(s) of other Mineral(s), if any produced from the same mine	
<b>2. Location of the Mine:</b>	
Village	RAJANKA
Post Office	JHINKPANI
Tahsil/Taluk	CHAIBASA
District	SINGHBHUM (WEST)
State	JHARKHAND
PIN Code	833215
Fax No.	06589235250
Phone No.	06589235224
Mobile No.	9816016980
E-mail	sanjeev.tripathi@acclimited.com
<b>3. Name and Address of Lessee/Owner (along with fax no. and e-mail)</b>	
Name of Owner	M/s. ACC Limited
Street/Village	Cement House121, M K Road, Mumbai
Post Office	--
Tahsil/Taluk	--
District	MUMBAI (SUBURBAN)
State	MAHARASHTRA
PIN Code	400020
Fax No	06589235250
Phone No	06589235224
Mobile No	9004687936
E-mail	pradiptakumar.nanda@acclimited.com
4. Registered Office of the Lessee	ACC limited, 121, M K Road, Mumbai
5. Director in charge	Raj Gurung
6. Agent	Raj Gurung
7. Manager	Mr. Sanjeev Tripathi
8. Mining Engineer in charge	Mr. Sanjeev Tripathi
9. Geologist in charge	Mr. Pankaj Sharma
10.(i) Transferer (previous owner)	--
(ii) Date of Transfer	01-01-1970

**6. Give Reason for increase/decrease in production**

Give reasons for increase/decrease in production compared to the previous year or nil production, if any, during the year .

PRODUCTION DECREASE AS PER PLANT REQUIREMENT

**7. Give Reason for increase/decrease in grade wise ex-mine price**

Give reasons for increase/decrease in grade wise ex-mine price ,if any, during the year compared to the previous year .

PRICE INCREASE DUE TO INCREASE IN MAINTENANCE COST

**Part - VII  
COST OF PRODUCTION**

	Item	Cost Per Tonne (in ₹ )
(i)	Direct Cost	183.66
	(a) Exploration	0.00
	(b) Mining	183.66
	(c) Beneficiation(Mechanical Only)	0.00
(ii)	Over-head cost	111.46
(iii)	Depreciation	84.77
(iv)	Interest	0.00
(v)	Royalty	80.00
(vi)	Taxes	0.00
(vii)	Dead Rent	0.00
(viii)	Others (specify) MISC	25.60
	Total	485.49

Mineral Name	Production proposal for financial year 2020 - 2021	Production reported during the financial year 2020 - 2021	Difference
LIMESTONE	0	321157	-321157

I Certify that the information furnished above is correct and complete in all respects.

Place :

Dist: SINGHBHUM (WEST), JHARKHAND

Pin:833215

Date : 12-06-2021

Signature

Name :

Designation:

Owner / Agent / Mining Engineer / Manager

**From: 85.115.52.202 at 2021-07-05 11:27:53**

**ENCLOSURE 4- DMO  
AUTHENTICATED PAST PRODUCTION  
LETTER**



झारखण्ड सरकार  
खान एवं भूतत्व विभाग.

जिला खनन कार्यालय, पश्चिमी सिंहभूम, चाईबासा।

पत्रांक 466/एम०  
दिनांक 21.04.2019

प्रेषक,

जिला खनन पदाधिकारी,  
पश्चिमी सिंहभूम, चाईबासा।

सेवा में,

महाप्रबंधक,  
मेसर्स ए०सी०सी० लिमिटेड,  
चाईबासा सिमेंट वर्क्स,  
झींकपानी, पश्चिमी सिंहभूम।

विषय:

पश्चिमी सिंहभूम जिलान्तर्गत मौजा राजंका कोन्दवा एवं दोकट्टा में स्थापित F Block एवं F2 Block (रकबा 145.37 हे०) क्षेत्र में धारित चूना पत्थर खनन पट्टा से संबंधित वार्षिक उत्पादन आँकड़ा (1992-93 से 2018-19) का सत्यापन के संबंध में।

प्रसंग :

आपका पत्रांक ACC/CH/DMO/OPN/2019-0037 dated 19.03.2019, ACC/CH/DMO/OPN/2019-0039 dated 29.03.2019, ACC/CH/DMO/OPN/2019-0041 dated 01.04.2019 एवं ACC/CH/DMO/OPN/2019-0048 dated 19.04.2019

महाशय,

उपरोक्त विषयक, प्रासंगिक पत्र के आलोक में आपके द्वारा दाखिल मासिक विवरणी के आधार पर वर्ष 1992-93 से 2018-19 तक वार्षिक उत्पादन आँकड़ा का सत्यापन किया गया है, जिसकी विवरणी निम्न है :-

Authentication of Production from F & F2 Block (145.37 Ha) of Rajanka Limestone Mine belonging to M/s ACC Limited, Chaibasa Cement Works				
Production Data in tonnes (1992-93 to 2018-19)				
Sl/N	Financial Year	F Block (81.5 of 598.88 Ha.)	F2 Block (63.87 Ha)	Total F + F2 Block (145.37 Ha)
		Production	Production	Production
1	1992 - 93	66034.58	364664.67	430699.25
2	1993 - 94	45352.59	351810.25	397162.84
3	1994 - 95	42909.29	435609.13	478518.42
4	1995 - 96	34807.68	444487.09	479294.77
5	1996 - 97	21999.69	465193.63	487193.32
6	1997 - 98	29047.43	423252.20	452299.63
7	1998 - 99	104773.35	243367.17	348140.52
8	1999 - 00	123099.48	312980.22	436079.70
9	2000 - 01	111502.04	233686.45	345188.49
10	2001 - 02	49095.59	375111.01	424206.60
11	2002 - 03	48888.76	456784.86	505673.62
12	2003 - 04	56228.11	459414.01	515642.12
13	2004 - 05	53617.21	493961.14	547578.35
14	2005 - 06	529239.75	651620.48	1180860.23
15	2006 - 07	917712.56	798389.76	1716102.32

cont.... 2



AMZ

*(Handwritten signature)*

16	2007 - 08	1048264.00	715730.00	1763994.00
17	2008 - 09	1337883.00	323428.00	1661311.00
18	2009 - 10	1196596.00	433924.00	1630520.00
19	2010 - 11	1459574.00	260834.00	1720408.00
20	2011 - 12	1584948.00	355715.00	1940663.00
21	2012 - 13	1291891.00	398291.00	1690182.00
22	2013 - 14	1227516.00	376166.00	1603682.00
23	2014 - 15	475255.00	288249.00	763504.00
24	2015 - 16	621799.00	440643.00	1062442.00
25	2016 - 17	1093050.00	53327.00	1146377.00
26	2017 - 18	1158099.00	32451.00	1190550.00
27	2018 - 19	1245379.00	2202.00	1247581.00

उपरोक्त उत्पादन आंकड़ा का उपयोग केवल MoEF & CC के समक्ष प्रस्तुत करने हेतु मान्य होगा एवं अन्यत्र इसका उपयोग मान्य नहीं होगा।



विश्वासभाजन,

24/5/2019  
 जिला खनन पदाधिकारी,  
 चाईबासा।

**ENCLOSURE 5- COPY OF EC LETTER**

**Due to size constraint it is given at  
annexure 2 of PFR**