

Indian Bureau of Mines
Minerals Development and Regulation Division
MCDR Inspection Report
Hyderabad Regional Office.

Mine File No: AP/KNL/LST-192/HYD

Mine Code: 38APR11163

1) Name of Inspecting officer:	Shri. M.K. Kalmata
2) Designation	Regional Mining Geologist
3) Accompanying mine official with designation	Mr. E.Vasudevan, GM (Mines) Mr. K.Rami Reddy, Mines Manager Mr. R.Prasannakumar , Geologist
4) Date of Inspection	13.06.2024(A/N)

Part-I: General

S.No.	Particulars	Details
1	Name of the Mine	Yanakandla Limestone mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	322.837 Ha. (Non-forest)
3	Mine code	38APR11163
4	IBM Registration Number under rule 45 of	IBM/12134/2012
5	Name of the lessee, Address, phone, email and fax number	M/s Sree Jayajothi Cements Private Limited, My Home hub, Block-3, 9th Floor, Madhapur, Hyderabad-500081, Telangana.
6	Village	Yanakandla
7	Taluka/Mandal	Banaganapalli
8	District	Nandyal (Earlier in Kurnool district)
9	Pin code	518124
10	State	Andhra Pradesh
11	Post office	Yanakandla
12	Nearest police station	Banaganapalli
13	Nearest Railway station	Banaganapalli
14	Date of Grant of Mining Lease	24.07.2017
15	Date of Execution	03.01.2012 for 50 years
16	Lease validity	02.01.2062

17	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sri. Chandra Shekhar Pandey, M/s Sree Jayajothi Cements Private Limited, My Home hub,Block-3, 9th Floor, Madhapur, Hyderabad-500081, Telangana – 500 081. Phone: 040-66929696 Email : cs.pandey@myhomeindustries.in
18	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri. B.C. Gurivi Reddy, D.O.A.:17.07.2015 M/s Sree Jayajothi Cements Private Limited, Yanakandla (V), Banaganapalli (M), Nandyal District, Andhra Pradesh – 518 124. Mob-+91-7660013042 Email : b.gurivireddy@myhomeindustries.in
19	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines, qualification	Sri K.Rami Reddy, D.O.A.: 01.04.2024 M/s Sree Jayajothi Cements Private Limited, Yanakandla (V), Banaganapalli (M), Nandyal District, Andhra Pradesh – 518 124. Mob-+91-8978902040 Email : ramireddy@myhomeindustries.in
20	Name of the Mining Engineer & Geologist, Qualification and date of appointment in mine,	Mining Engineer : K.Rami Reddy, Qualification: B.E.Mining D.O.A.: 01.04.2024 Geologist : Mr.R.Prasannakumar, Qualification:- Msc, Geology. DOA : 10.06.2022
21	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	1) Mining plan:- MP/AP/KNL/LST-198- SZ, dt:-22.04.2009 2)MMP- MP/AP/KNL/LST-198 SZ/109, dt:-13-01-2011 3) MMP:- AP/KNL/MP/LST-190/ HYD, dt:-20-05-2015 4) MMP:- AP/KNL/MP/LST-190/ HYD, dt:-11.04.2016 5) MMP:- AP/KNL/MP/LST-190/ HYD, dt:- 11-11-2020 6) MMP:AP/KNL/MP/LST-190/ HYD, dt:-07-03-2023 7) MMP:- AP/KNL/MP/LST-190/ HYD, dt:-03-01-2024.
22	Name of the Mineral	Limestone
23	Method of Mining(Opencast, Underground)	Opencast
24	Category (Fully Mechanized, Others or Manual)	Category – A (Fully Mechanized)
25	Captive/Non Captive	Captive

PART-II**Exploration :**

Sl. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	None in the year 2023-24.	None in the year 2023-24.	Entire Mineralized area is already explored Under G-1 level.
1b	Exploration over lease area for geological axis 1 or 2	None in the year 2023-24.	None in the year 2023-24.	Total lease area is 322.837Ha; out of which 287.231Ha is proved as mineralized and Entire mineralized area is explored under G-1 level by drilling 120 exploratory boreholes.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None in the year 2023-24.	None in the year 2023-24	Earlier, exploration is carried out by Pulluri Mining & Logistics Pvt. Ltd. under the supervision of Geologist of the lessee appointed under Rule 55 of MCDR 2017 and expenditure incurred on exploration is Rs 3056927
1d	Balance area to	None in the year	None in the year	Total lease area is

	be explored to bring Geological axis in 1 or 2	2023-24.	2023-24.	322.837Ha; out of which 287.231Ha is proved as mineralized and Entire mineralized area is explored under G-1 level by drilling 120 exploratory boreholes.
1e	Balance reserves as on 01/04/2024	Reserves/resources as per the approved document dated 03-01-24 is as follows.(date of estimation 03/01/2024) (In million tonnes) Proved Mineral Reserves(111) - 39.254 Feasibility M Resources (211) - 30.206, Total:- 69.46	Reserves/resources as on 01.04.2024 are as follows. (In million tonnes) Proved Mineral Reserves(111) - 38.238 Feasibility M Resources (211) - 30.206, Total:- 68.444	Reserves/resources were updated by depleting 1.0159Million tonnes of production carried out between 01.9.2023 to 31.03.2024. Additionally lessee has shown about 0.315 million tonnes of ore existing in dumps in the pathapadu block in the remark column
1f	General remarks of inspecting officers on geology, exploration etc.		The rocks in the Mining Lease area are of late Proterozoic age and are of flat bedded sedimentary nature. The mining lease area exposes mainly the massive	Total lease area is 322.837Ha; out of which 287.231Ha is proved as mineralized and Entire mineralized area is explored under G-1 level by

			<p>Narji limestone. Yanakandla Block also can be considered as a broad synform with the axis trending WNW ESE, The synformal folds mentioned earlier are conspicuous in the Pathapadu Block. The trend of the axial trace in the case of Pathapadu Block is NNW-SSE. The Pathapadu hill represents a complete doubly plunging synform, with the axial trace trending towards SSE and NNW at a very shallow angle of 5 - 8 degrees.</p>	drilling 120 exploratory boreholes.
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Development :

Sl.No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	In the year 2023-24 proposals as per approved document dated 07/03/23 is as follows , in Yanakandla proposal was given in 4 locations and	In the year 2023-24, in Yanakandla block working is carried out between the co-ordinates 1) N 1700360 to 1700760 & E 198480 to 198880 2)N 1699490 to 1699700 & E 198360	Working is almost carried out within the proposed co-ordinates only. In Pathapadu block production is achieved only 23% of the proposal, so there is a negative

	<p>details are as follows, 1) N-1700630 to 1700720 & E 198780 to 198870. 2) N1700320 to 1700740 & E 198610 to 198645.3) N 1699430 to 1699650 & E 198355 to 198570. 4) N 1699870 to 1700000 & E 198690 to 198975. In Pathapadu block proposal was given as follows 1) N-1698810 to 1698910 & E-194200 to 194660. 2) N 1698490 to 1698640 & E 164700 to 164790. Further as per the approved document dated:03-01-24, proposal are as follows, Yanakandla block: 1)N 1700275 to 1700750 & E 198375 to 198815 2) N 1700020 to</p>	<p>to 198600 3) N 1699885 to 1699950 & E 198730 to 198830. In pathapadu block working was carried out between the coordinates N-1698600 to N 1698780 and E 194470 to E 194685.</p>	<p>deviation in the proposed area and quantity. Lessee as advised carry out mining operations as per the proposal in the remaining years of present five year block period.</p>
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		1700195 & E 198685 to 198825 Pathapdud block 1) N 1698660 to 1698690 & E 194527 to 194600 2) N 1698570 to 1698645 & E 194613 to 194680.		
2b	Separate benches in topsoil, overburden and minerals (Rule-15)	None. In the year 2023-24.	None. In the year 2023-24.	No topsoil and OB handling was proposed and made in the year 2023-24. Existing benches are in ore only.
2c	Stripping ratio of ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m ³	None in the year 2023-24.	None in the year 2023-24	
2e	Quantity of overburden generation in m ³	None in the year 2023-24.	None in the year 2023-24	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.		Production was proposed in two blocks (Yanakandla and pathapadu) , however, maximum production was achieved from Yanakadla block only. In Pathapadu block there was a negative	

			deviation (working is not carried out up to the proposed area) and production is also achieved only 23% from patahpadu block. Bench parameters are maintained within the proposed limits.	
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Exploitation :				
Sl.N o.	Item	Proposals	Actual Work	Remarks
3a	Number of pit proposed for production	in the year 2023-24 working was proposed in two pits(Yanakandla and Pathapadu block)	Working has been carried out in both the blocks.	Dimension of Yanakandla pit is 950m(L) x 715m(w) x 26m(D), Dimension of Pathapadu pit is irregular in shape and many small old quarry pits are existing in the circular pattern (pits were formed by previous slab quarry lessee) Total area covered by pits in pathapadu block is 18.00Ha.
3b	Quantity of ROM mineral production proposed	1923129 Tonnes in the year 2023-24.(747900T actual production carried	1894947 tonnes in the year 2023-24.	Achieved 98% of production in the year 2023-24.

		out up to Aug 23+ 1175229T proposals from sep 23 to Mar- 24)		
3c	Recovery of saleable / usable mineral from ROM production	1764150 (1.76 MT) 91.73% from insitu ore.	1763800 tonnes	Saleable ore produced is 99.98% of proposed saleable ore.
3d	Quantity of mineral reject generation	158979 tonnes in the year 2023-24.	131147	Mineral reject is generated 82.49% of proposed.
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed.	Cao 34 to 40%.	
3f	Quantity of subgrade mineral generation.	None in the year 2023-24.	None in the year 2023- 24.	
3g	Grade of subgrade mineral generation.	Not applicable	Not applicable	
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized.	Mechanized.	
3i	Any analysis or beneficiation study proposed and carried out	None.	None.	

	for subgrade mineral and rejects			
3j	Provision of drilling and blasting in mineral benches	Yes proposed.	Drilling and blasting is carried out as per the proposal.	Using drilling machine of 115mm dia for drilling blast holes and loose ammonium nitrate and slurry explosive for blasting.
3k	Provision of mining machineries in mineral benches	Yes proposed.	Lessee is using combination of excavator and tippers for production and development. Rock drilling machine for drilling blast holes.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed 8.00 mtr bench height in the mineral and no OB bench is proposed.	Maintained bench height of 5.5 to 7.00 mtrs.	Bench parameters are maintained within the proposed limits.
3m	Total area covered under excavation / pits	Area under Mining:- 80.90Ha.	Area under Mining 86.00Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	

3o	Total area put in use under different heads at the end of year	Area under Mining:- 80.90Ha, Mineral storage:-14.37 Ha, Infrastructure:- 7.42Ha. (up to 31,03,2024)	Area under Mining 86.00Ha. Mineral storage:-15.18Ha, Infrastructure:-3.73Ha. (as per the drone survey data dated....)	Up to 31.03.2024, total area covered by pits is 77.00ha only.
3p	Production of ROM mineral during the last five year period as applicable	2023-24 - 1923129T 2022-23 - 2300000T 2021-22 - 2295752T 2020-21 - 1200000T 2019-20 - 1350000T	2023-24 - 1894947T 2022-23 - 1661855T 2021-22 - 1437000T 2020-21 - 1080000T 2019-20 - 1430000T	In the year 2022-23 6855 tonnes of mineral reject was generated (Cao above threshold) and same was not included in the ROM quantity mentioned at part VI(2) of Annual returns submitted for the year 2022-23 and show cause notice is issued for the same under Rule 45(7) of MCDR 2017.
3q	General remarks of inspecting officers on method of mining etc.		The Method of mining adopted is fully mechanized with combination of excavator and tippers. Lessee is doing drilling and blasting for loosening of the strata benches was maintained as per the proposal. In the	

			pathapadu block benches pits are irregular in shape and lessee has advice to rectify the same.	
Solid Waste Management - Dumping :				
Sl.No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32, 33)	Proposed only Mineral Reject/mineral dump	Mineral reject is stacked separately.	No topsoil and OB handling was proposed and made in the year 2023-24.
4b	Location of topsoil, OB and mineral reject dumps	In the year 2023-24, mineral reject dumping was proposed on the existing dumps (dump No-1 & 2) co-ordinates Dump 1:-N 1700895 to 1701120 & E 198520 to 198620. Dump 2:- N 1700800 to 1700920 and E 198830 to 198990.	Dumping of mineral reject was made as per the proposal.	Total 03 mineral reject dumps are existing within the lease area (Yanakandla block) and details are as follows. Dump No-1:- N1700870 to 1701090 & E 198545 to 198680, Dump no.2:- N1700800 to 1700920 & E 198830 to 198990, Dump no.3:- N-1700590 to 1700690 & E199000 to 199080

4c	Number of dumps within lease area and outside of lease area	One in the year 2023-24.	One in the year 2023-24.	<p>Total 03 mineral reject dumps are existing within the lease area (Yanakandla block) . Some temporary mineral stacks were observed outside the lease area near crushing and screening plant. Lessee has dispatched ROM by paying royalty to the crushing and screening plant area existing adjacent to the lease boundary. Further, in patahapadu block many scattered dumps are existing along the pit slops, these dumps are formed by previous lessee (earlier slab quarry lease granted as minor minerals) and quantity existing in the said dumps are estimated as probable mineral</p>
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				reserves.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Presently outside the UPL	
4e	Number of active and alive dumps.	Three Mineral reject dumps.	Three Mineral reject dumps.	
4f	Number of dead dumps.	None.	None.	
4g	Number of dumps established.	None.	None.	
4h	Whether retaining wall or garland drain all along dumps are there.	None.	None.	
4i	Length of retaining wall or garland drain all along dumps.	None.	None.	
4j	Number of settling ponds	None.	None.	
4k	Specific comments of inspecting officers on waste dump		No waste dumps and topsoil dumps are existing within the lease area. However, three mineral reject	

	management .		dumps are existing within the lease area and height of the dumps varies from 5.00 to 10.00 mtr. Since the material is hard and height of the dumps varies from 5 to 10 mtrs no retaining walls are proposed and made. Further, in patahapadu block many scattered dumps are existing along the pit slops, these dumps are formed by previous lessee (earlier slab quarry lease granted as minor minerals) and quantity existing in the said dumps are estimated as probable mineral reserves.	
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Solid Waste Management - Backfilling :

Sl.N o.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	Not proposed.	Nil	No backfilling is proposed in the present plan period.

5b	Area under backfilling of mined out area	Not proposed.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed.	Nil	
5d	Total area fully reclaimed and rehabilitated	Not proposed.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Present working is not reached up to the proved depth and no proposals were made for reclamation and rehabilitation in the present plan period.	

Progressive Mine Closure Plan :

Sl.N o.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26(2)	Before 1st July of every year.	Yes, submitted PMCP report for the year 2023-24 along with the annual returns submitted for the year 2022-23.	Submitted report on 27.06.2024.
6b	Area available for rehabilitation (ha)	None.	None.	

6c	Afforestation done (ha)	0.30Ha in the year 2023-24.	0.71Ha in the year 2023-24.	
6d	No. of saplings planted during the year	250 saplings in the year 2023-24	430 saplings in the year 2023-24.	
6e	Cumulative no. of plants	5894 saplings	6454 saplings	
6f	Any other method of rehabilitation	None.	None.	
6g	Cost incurred on watch and care during the year	None.	Rs 400000	For saplings and taking care of plantation.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (LxBxD)	None.	None.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None.	None.	
6j	Compliance	None.	None.	

	on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area			
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None.	None.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	None.	None.	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation			
6n	Compliance of	None.	None.	

	rehabilitation of waste land within lease (ii) Area rehabilitation (ha)			
6o	Compliance of rehabilitation of waste land within lease (ii) Method of rehabilitation	None.	None.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, Air, Water and Noise monitoring was proposed in Core and Buffer zone.	Lessee is regularly monitoring air, water and noise and all the parameters are within permissible limits.	Lawn enviro associates, Hyderabad is doing the Environmental monitoring.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Only plantation was proposed Under the PMCP and in the year 430 saplings was planted against the proposal of 230. Total plantation made so far within the lease area is 6454. Further, lessee has carried out environmental monitoring in the core and buffer zone and results are within permissible limits.	

Mineral Conservation :

Sl.N o.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Proposed dispatch of Cement grade ROM to Captive Cement Plant.	Lessee is dispatching Cement grade ROM to Captive plant as proposed.	Lessee is not doing any processing at mine site.
7b	Method of grade wise mineral sorting i.e. manual or mechanical	No sorting within the lease area	None.	Sending ROM to the crushing and screening plant existing outside the lease area (Adjacent to lease boundary)
7c	Different grade of mineral sorted out at mines	Cement Grade.	Cement Grade.	
7d	Any beneficiation process at mines	None.	None.	
7e	General remarks of inspecting officers on mineral conservation and beneficiation issues.		Sending ROM to the crushing and screening plant existing outside the lease area (Adjacent to lease boundary). After crushing and screening. The ore will be sent to Captive Cement plant through belt conveyor.	

Environment :				
Sl.N	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None.	None.	No topsoil removal was proposed in the present plan period.
8b	Concurrent use or storage of topsoil	None.	None.	No topsoil removal was proposed in the present plan period.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes proposed.	Mineral reject is stacked separately.	No OB is proposed and removed, so no OB dump is existing within the lease area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	None.	
8e	Phased restoration, reclamation and rehabilitation of land affected by mining operations (pits, dumps etc.)	None.	None.	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information was furnished in the mining plan. Additional plantation proposals are being given in the Mining Plan documents.	Additionally lessee has planted about 6454 saplings within the lease area.	
8g	Survival rate	80%	75 to 80%	
8h	Water sprinkling on roads to control airborne dust	Yes proposed.	Lessee is spraying water on haul road and in the working area for suppression of dust.	Using one water tanker of 16000 ltr capacity for the said purpose.
8i	General remarks of inspecting officers on aesthetic beauty in and around mine areas.		In yanakandla block benches are maintained properly and plantation was made in the safety zone. Haul roads were properly maintained. However, in Pathapadu block irregular pits and dumps were there. The said pits and dumps were made by previous lessee (earlier lease was given for slab quarry mining). Advised present lessee to properly maintain the pits and use the material existing in dump for captive consumption. Lessee	

			has shown existing dumps as reserves in the recent approved document.	
Compliance of Rule 45 :				
Sl.N	Item	Proposals	Actual Work	Remarks
o.				
9a	Status of submission of monthly and annual returns	A monthly return shall be submitted before the tenth day of every month in respect of the preceding month and an annual return shall be submitted before the 1st day of July each year for the preceding financial year.	Lessee is Regularly submitting Monthly and Annual returns.	Submitted Annual returns for the year 2023-24 within time. Annual returns submitted on 27.06.2024.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The details of Mining Engineer and Geologist as mentioned in the AR submitted for the year 2023-24 is as follows. Ming Engineer & Manager :- K.Rami Reddy, Geologist:-R.Prasanna Kumar.	The details of Mining Engineer and Geologist furnished in the AR submitted for the year 2023-24 are found correct.	Sent notice of appointment to this office.
9c	Scrutiny of Annual return on land use pattern for	Area under current workings:-77.404Ha, Dumps: 13.324Ha, Infrastructure:-	The details furnished in the AR are correct as on 31.03.2024.	Bus as per the drone survey data, area under different heads is

	area under pits, reclaimed area, dumps etc.	7.425Ha.		as follows. Area under Mining 86.00Ha. Mineral storage:-15.18Ha, Infrastructure:-3.73Ha.
9d	Scrutiny of Annual return on afforestation	Number of plants planted 430 and survival rate is 80%.	The details furnished in the annual returns are found correct.	However, for total plantation at the end of the year figures of 80% of plantation made in 2023-24 is given instead of total plantation made so far from start of the lease to present. Show cause notice is issued for the same under Rule 45(7) of MCDR 2017.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	131147 tonnes in the year 2023-24 with average grade 34%Cao	The information furnished in the AR is correct. The grade of Mineral reject is ranges from 34 to 40% Cao.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: Opening and closing stock: 0, production:-1894947 tonnes, Grade wise details: Cement	The details furnished in AR are found correct.	Total ROM production is 1894947 tonnes, out of which 1763800 tonnes

		Grade: Opening and closing stock:0, Production and dispatch:- 1763800 tonnes		shown under Cement grade and remaining 131147 shown under Mineral reject at part V (3) of the Annual returns submitted for the year 2023-24.
9g	Scrutiny of Annual return on Sale value, Ex Mine price and production cost	Sale value:-Is mentioned as zero, Cost of production and Ex-mine price:- Rs 157.29/Tonne	As per the direction given by Head quarter, in case of captive consumption of the ore, then sale value to be given quantity dispatched multiply by examine price. However, lessee has shown sale value as zero.	Show cause notice is issued for the same under Rule 45(7) of MCDR 2017.
9h	Scrutiny of Annual return on fixed assets	Value of fixed asset is shown as Rs 17488749.	55.08Ha in the lease area is private patta land, however, land value for the same is mentioned as Rs- 558518 only, Further, no industries were observed within the lease area but value under industries is mentioned as Rs- 9964553. Further, it is not clear whether; source of finance	Show cause notice is issued for the same under Rule 45(7) of MCDR 2017.

			shown pertains to particularly this mine or combined. The value furnished appears incorrect.	
9k	Scrutiny of Annual return on mining machineries	Back hoe 2.6CUM-02 nos, Back hoe 1.00CUM-01, Tippers of 12CUM-08Nos, Dozer and rock drill-01 each.	The details furnished are found correct.	

Date:-

(KALMATA.M.K)

Indian Bureau of Mines