

**INDIAN BUREAU OF MINES**  
**MINERALS DEVELOPMENT AND REGULATION DIVISION**  
**MCDR INSPECTION REPORT**  
**Dehradun regional office**

Mine file No : HP/SRM/LST-4		Mine code : 38HPR10004	
<b>I GENERAL</b>			
<b>A Inspection Details</b>			
1	Name of IO	Damodar Prasad Sharma, ACOM	
2	Date of Inspection	24.11.2024	
3	Name of Mine	BALDHWA LIMESTONE MINE OF M/S JST & SONS	
4	Status of operations at the mine on the date of inspection	OPERATING	
5	Names and designation of accompanying officials	Sh.AK Chhabra, Mine Manager & Mr. Ashok Das	
6	Signature(s) of accompanying officials		
7	Programme Year	2024-25	
<b>B Mineral Concession Details</b>			
1	Total Lease Area (Ha)	12.38 ha	
2	Break up of ML area		
	Non Forest Land (Type of Land and its ownership) (Ha)	12.38 ha	
	Forest Land	NIL	
3	ML Validity	UPTO 28.11.2025	
4	Any Identification of ML like Survey no. ML No. etc.	53F/10	
5	Name of the lessee	M/S JAI SINGH THAKUR & SONS	
	Address with PIN code	119/10 DEVINAGAR, PAONTA SAHIB	
	Phone	1704262480	
	Email	<a href="mailto:rajendra.tewari@gmail.com">rajendra.tewari@gmail.com</a>	
	Fax		
6	Date of Grant of Mining Lease	29.11.1965	
7	Date of Execution of Lease deed	29.11.1965	
8	Date of first Renewal, if applicable and its period & expiry	29.11.1985 to 28.11.1995	
9	Date of second Renewal, if applicable and its period & expiry	29.11.1995 to 28.11.2005	
10	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable	
11	Mineral(s) granted in lease and proved for mining	limestone	
12	Captive/Non Captive	NON-CAPTIVE	
<b>C</b>			
<b>Sr No</b>	<b>Particular</b>		
1	Name of the Mine	BALDHWA LIMESTONE MINE	
2	IBM Registration Number under rule 45 of MCDR, 2017	IBM/1119/2011	
3	Mine code	38HPR10004	
4			
5	Method of Mining (Opencast, Underground)	OPENCAST	
6	Category (Fully Mechanized, Others or Manual)	OTFM	
7	Date of opening of Mine	29.11.1965	
8	Location of Mine		
	Village	BALDHWA	
	Taluka/Mandal/Tehseel	KAMROO	
	District	SIRMOUR	
	Pin code	173029	
9	State	HIMACHAL PRADESH	
10	Post office	KAMROO	
11	Nearest police station	PAONTA SAHIB	
12	Nearest Railway station	DEHRADUN	
13	Co-ordinate of any two lease pillars		
	I) Piller No. 1	303542.14 N 774052.40E	
	ii) Piller No.2	303550.56N 774111.16E	
14	Co-ordinates of working sites		
	i)	303544.66 N 774116.12E	
	ii)	303544.79N 774113.22E	
15	Address of Mine Office	SATAUN, DISTT.SIRMOUR (HP)	
	Address with PIN code	PO:SATAUN, DISTT.SIRMOUR (HP) 173029	

16	Nominated Owner details	
	Name of the Nominated Owner	SHRI Swaraj Singh THAKUR
	Date of appointment	
	Date of first opening	29.11.1965
17	Agent details	
	Name of the Agent	SHRI RAJENDRA PRASAD TEWARI
	Date of appointment in mines	01.01.1993
18	Mine Manager details	
	Name of the Manager	SHRI A K CHHABRA
	Date of appointment in mines	08.02.1996
19	Mining Engineer Details	Ashok Das
	Qualification	Diploma Mining
	Total Experience	20
	Date of appointment in mines	
20	Geologist Details	R.P.Tewari
	Qualification	M.Sc (Geology)
	Total Experience	30
	Date of appointment in mines	01.01.1993
	Mining Plan/Modified Mining Plan approval details	
	DATE and No. of Approval Letter.	614(2)/MP-B-3/95-DDN DATED 07.04.2021
	Mine Plan execution/Excavation plan period	5 YEARS :2021-22 TO 2025-26
	specific condition in approval letter, if any.	None
1	Scheme of Mining/Modified Scheme of Mining approval details	
	DATE and No. of Approval Letter (Previous)	614(2)/MP-B-237/06-DDN DATED 18.08.2016
	Mine Plan execution/Excavation plan period	5 YEARS : 2020-21 to 2024-25
	specific condition in approval letter, if any.	Controlled blasting shall be carried out.
2	FMCP approval details, if any, specially in case of part surrender	
	Date and No. of Approval Letter.	
	FMCP execution period, if any.	
	specific condition in approval letter, if any.	
Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining.		
<b>III</b>	<b>GEOLOGY</b>	
<b>A</b>	<b>Reserve And Resource Details</b>	
<b>a)</b>	<b>As mentioned in the latest approved MP/MMP/SOM/MSOM etc., approved on</b>	on 1.04.224
	Particular	UNFC Code
		Qty in Million tonnes
1	Reserves	
	1.Proved Mineral Resources	111
	2. Probable Mineral Resources	122
2	Resources	
	1.Feasibility Mineral Resources	211
	2. Pre-feasibility Mineral Resources	221
	3. Measured Mineral Resources	
	4. Indicated Mineral Resources	332
	5. Inferred Mineral Resources	333
	6. reconnaissance Mineral Resources	

<b>b) Year wise Depletion of reserves during the intervening period</b>				
		Proposed	Actual	
	2021-22	150000	52767	
<b>c) As on date 01.03.2021</b>				
	Particular	UNFC Code	Qty in Million tonnes	
1	Proved Mineral Reserve	111		
	Probable Mineral reserve	121 & 122	0.074	
2	1. Feasibility Mineral Resources	211	0	
	2. Pre-feasibility Mineral Resources	221	2.57	
	3. Measured Mineral Resources	331		
	4. Indicated Mineral Resources	332	6.09	
	5. Inferred Mineral Resources	333	0	
	6. reconnaissance Mineral Resources	334	0	
<b>B Exploration Proposals And Achievements</b>				
Sr No	Item	Proposal 2023-24	Actual 2023-24	Remarks
1	Exploration carried out for proving mineral existence at Geological axis 1 or 2.	No Exploration proposals incorporated during the year 2023-24.	No Exploration was carried out during the year 2023-24.	
2	Name of Exploration Agency	Not Applicable		
3	Expenditure incurred in lakh Rupees during the year	None	None	
4	backlog of previous year 2021-22	nil	nil	
5	Exploration status of the ML area G1/G2/G3 axis as on date of inspection	G-1-5.24 hectares, G-2-4.49 hectares, G-3-2.64 hectares as approved Mining Plan .	G-1-5.24 hectares, G-2-4.49 hectares, G-3-2.64 hectares	
6	Balance area to be explored to bring Geological axis to G1 or G2	None at present	Entire Mineralized area has already been explored.	
7	General remarks of inspecting officer on geology, exploration etc.	No Exploration proposals incorporated during the year 2023-24.	No Exploration was done during the year 2023-24.	
<b>C Litho units encountered on faces</b>				
<b>IV MINING</b>				
<b>A Development</b>				
Sr No	Item	Proposal 2023-24	Actual 2023-24	Remarks
1	No. of pits proposed for development	2	2	
2	Location of development w.r.t. lease area	Development was proposed from 1776 mRl to 1752 mRl with formation of 6 meter height benches in Minerals and OB benches .	Development work was carried out at earmarked place .	Development is carried out as per proposals.
3	Separate benches in topsoil, overburden and mineral (Rule 15)	OB:5 MINERAL: 7	OB:5 MINERAL: 7	
4	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development work was carried out at earmarked place .Proposals for separate benches in overburden and mineral has been incorporated.	Development work was carried out at earmarked place .Proposals for separate benches in overburden and mineral has been incorporated.	
<b>B Exploitation</b>				
Sr No	Item	Proposal 2023-24	Actual 2023-24	Remarks
1	Mine pit details			
	Number of pits	2	2	
	Location of pits w.r.t. ML area	Excavation proposed Between Northing 3387862 to 3387999 and Easting 757556 to 757691.	Pit developed at earmarked location.	
	Shape of pits - contiguous			
	Central block			
	Approximate size of the pits	300 x200x20	300x210x20	As per proposals, it was proposed to carry out mining operations by formation of benches of 6
	Number of benches in waste	9	5	
	Number of benches in mineral/ore	8	7	
	Bench Height in mineral	6 m	6 m to 7m	
	Bench height in OB/Top soil etc	6 m	6m to 7m	
	Pit Slope	45	45	
	Approach to faces/benches	HAUL ROAD	HAUL ROAD	

2	<b>Quantity of ROM mineral production proposed (last 5 years) (In Tonnes)</b>		
	2024-25	150000	51452.3
	<b>Quantity of interburden (Overburden HR) removed in MT</b>		
	2024-25		12500 cum
	<b>Ore to OB ratio for the mine during the respective year</b>		
	2021-22		
3	Recovery of salable/usable mineral from ROM production	All ROM Sell to Market .	All ROM Sell to Market .
4	<b>Quantity of mineral reject generation removed in tonnes</b>		
	2021-22	Nil	Nil
5	Grade of mineral reject generation and threshold value declared	Not Applicable	Not Applicable
6	<b>Quantity of sub-grade mineral generation</b>	Not Applicable	Not Applicable
7	Grade of sub-grade mineral generation	Not Applicable	Not Applicable
8	Manual / Mechanized method adopted for segregating from ROM	MANUAL	MANUAL
9	Any analysis or beneficiation study proposed & carried out for sub-grade	NIL	NIL
10	Provision of drilling & blasting in mineral benches	yes	yes
	Provision of drilling & blasting in benches other than mineral as the case may be	no	no
11	Provision of mining machineries in mineral benches	yes	yes
	Provision of mining machineries in benches other than minerals as the case may be	yes	yes
12	Provision of hauling/transportation from mine to dump/stack yard	yes	yes
13	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	YES
15	Updation of Plans & sections as per rule 27, 28,29	Updated	Updated
	Date of Survey on Plan		
16	Manpower engaged		
	Managerial	2	
	Supervisory	2	
	Others	1	
	Ministerial	2	
	Workers	28	
14	General remarks of inspecting officer on method of mining etc		Statute plans and sections have been updated

<b>C Solid Waste Management-Dumping</b>				
Sr No	Item	Proposal 2023-24	Actual 2023-24	Remarks
1	Spread of dumps within lease area and outside lease area	Proposals have been incorporated.	separate dumping is being carried out.	
	Active Dumps	2	2	
	Inactive dumps	2	2	
2	Dumping of topsoil, OB & mineral reject	YES	YES	
a)	Topsoil	NIL	NIL	
	Selection of site is as per rules	YES	YES	
	Usage of top soil (Rule 32)	Insignificant quantity of soil is generated	Insignificant quantity of soil is generated	
b)	Mineral reject (Rule 16 & 33)	NIL	NIL	
c)	Selection of site and measures for Overburden and/or Interburden dumping (Rule 16 & 33)	YES	YES	
3	Location of dumps w.r.t. ultimate pit limit (Rule 16) & Number of active & alive dumps	Over burden dumps exist outside the Ultimate pit limits.	Over burden dumps exist outside the Ultimate pit limits.	
4	Number of dead dumps	2	2	
5	Number of dumps stabilized	2	2	
6	Length of Retaining wall or garland drain all along dump (In Meters)	Approximately 200 meters	Approximately 200 meters have been erected	
7	Number of settling ponds	None	None	
8	Specific comments of inspecting officer on waste dump management	As per proposal dumping shall be carried out between local coordinates 0 to 100S and 300E to 400E on non mineralized ground.	Dumping is carried out as per proposals.	
<b>D Solid Waste Management-Backfilling</b>				
Sr No	Item	Proposal 2023-24	Actual 2023-24	Remarks
1	Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.)	No proposals incorporated in approved mining plan.	No back filling was carried out during the year.	
2	Area under backfilling of mined out area ( In Ha.)	Not Proposed	No back filling was done during the year . However in the past worked out benches were reclaimed and rehabilitation by way of plantation.	However in the past worked out benches were reclaimed and rehabilitation by way of plantation.
3	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M <sup>3</sup>	Insignificant quantity of soil is generated.	Insignificant quantity of soil is being generated during year which is being utilized for plantation purposes if any.	Insignificant quantity of soil is being generated during year which is being utilized for plantation purposes.
4	Total area fully reclaimed & rehabilitated ( In Ha.)	In the past long back approximately 1.2 hectares was reclaimed	In the past long back approximately 1.2 ha.	
5	General remarks of inspecting officer on backfilling, reclamation etc.	No back filling was carried out during the year.	However in the past worked out benches were reclaimed and rehabilitation by way of plantation.	
<b>V ENVIRONMENT &amp; PROGRESSIVE MINE CLOSURE PLAN</b>				
<b>A Progressive Mine Closure Plan</b>				
Sr No	Item	Proposal 2023-24	Actual 2023-24	Cumulative so far
1	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	YES	YES	
2	Reclamation of dumps	About 100 saplings are proposed to be planted in the waste land within the lease area	100 saplings were planted	
I)	area afforested			
ii)	No of saplings planted			
iii)	Cumulative no. of plants			
iv)	Cost incurred on watch & care during the year			
3	Management of worked/mined out benches	Planation proposals incorporated in approve Mining plan .	During the year 2023-24 around 110 saplings were planted within the mining lease. .	
I)	Area available for rehabilitation (Ha)			
ii)	Afforestation done (Ha)			
iii)	No. of saplings planted during the year			
iv)	Cumulative no. of plants			
v)	Any other specific method of rehabilitation			

vi)	Cost incurred on post care and maintenance of plantation (Rs.)			
4	<b>Compliance on reclamation and</b>			
i)	Voids available for backfilling (L X B	In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease	In the past long back approximately 1.2 ha. Of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted also within the mining lease.	
ii)	Void filled by waste/tailings (Ha.)			
iii)	Afforestation on the backfilled area			
iv)	Rehabilitation by making water			
v)	Any Other specific means			
5	Compliance of Rehabilitation of waste			
i)	Afforestation			
ii)	Area rehabilitated (ha)			
iii)	Method of of rehabilitation			

6	Total area covered under (Land use pattern)/Land put to use under various heads	Proposal in latest approved mining plan	Actual as on date of inspection
i)	Excavation/pits (Ha.)	6.83 ha	6.8
ii)	Top soil storage (Ha.)	0.000	0
iii)	Waste/Ob/IB dumps (Ha.)	0.460	0.45
iv)	Mineral rejects (Ha.)	0.000	0
v)	Sub grade mineral stacks (Ha.)	0.000	0
vi)	Mineral stacks (Ha.)	0.000	0
vii)	Plants, buildings, Infrastructure etc. (Ha.)	0.530	0.56
viii)	Others (Specify) Road & green belt	1.600	1.248
ix)	Total area put in use under different heads at the end of year For which FA given (Ha.)	9.48 ha	9.05 ha
x)	Whether Land put to use is within area for which FA given, if NO then the excess area put to use. (Ha.)	Required FA given	
7	General remarks of inspecting officer on PMCP compliance & progressive closure operations	PMCP report submitted and adequate proposals have been incorporated.	Adequate proposals are incorporated.
<b>B</b>	<b>Environment</b>		
1	Topography and landscape of the ML area	Hilly	
2	Public building, places of worship, monuments, protected historical place, place of tourist within ML area,	None	
3	Water regime	NIL	
	Surface	Not Applicable	
	Ground	Not Applicable	
	Stored water in excavated pits	NIL	
4	Human settlement in ML area	NIL	
	How far the human settlement from active mine area	1000M	
5	Environmental monitoring Last monitoring dates	Report furnished	
i)	Air	Monitored	Monitored
ii)	Water	Monitored	Monitored
iii)	Noise	Monitored	Monitored
iv)	Ground Vibration	Monitored	Monitored
v)	Soil	Not Applicable	Not Applicable
vi)	Surface subsidence	Not Applicable	Not Applicable
vii)			
6	<b>Key result of such Environmental monitoring</b>	Reports enclosed.	
i)	Air Respirable particulate matter (RPM) (Size less than 10 microns)	Monitored	Monitored
ii)	Water	Monitored	Monitored
iii)	Noise	Monitored	Monitored
iv)	Ground Vibration	Monitored	Monitored
v)	Soil	Not Applicable	Not Applicable
vi)	Surface subsidence	Not Applicable	Not Applicable
vii)	Acid Mine Drainage		
7	Precaution against Air pollution (rule 37)	water sprinkling on haul road.	Regular sprinkling
8	Precaution against Ground Vibration (rule 35)	controlled blasting carried out.	
9	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty maintained except some land degradation.	Aesthetic beauty maintained except some land degradation.

<b>VI</b>	<b>MINERAL CONSERVATION</b>			
<b>Sr No</b>	<b>Item</b>	<b>Proposal 2023-24</b>	<b>Actual Work 2023-24</b>	<b>Remarks</b>
1	ROM Mineral dispatch or grade-wise sorting within lease area	MANUALLY	Manually	
2	Method of grade-wise mineral sorting i.e. manual or mechanical	MANUALLY	Manually	
3	Different grade of mineral sorted out at mines	MANUALLY	Manually	
4	Any beneficiation process at mines	No beneficiation process proposed in mine.	No beneficiation was carried out in mine..	
5	General remarks of inspecting officer on Mineral conservation & beneficiation issues	All ROM Sell to Market .	All ROM Sell to Market .	
<b>VII COMPLIANCE OF RULE 45</b>				
<b>Sr No</b>	<b>Item</b>	<b>Comments</b>		
1	<b>Status of submission of Monthly and Annual returns</b>	Submitted		
<b>S.N.</b>	<b>Item</b>	<b>Details GIVEN in A.R.</b>	<b>Observation of I/Officer</b>	
2	Name of mine	BALDHWA LIMESTONE MINE		
3	Address of mine	PO: KAMROO, DISTT SIRMOUR HP		
4	On consumption of diesel and explosives in particular	Information given		
5	Mineral reserve wrt approved SOM if diff (in case of routine depletion then the reason)	not applicable		
6	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer and geologist appointed.		
7	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information given		
8	Scrutiny of Annual return on afforestation	Information given		
9	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Information given		
10	Scrutiny of Annual return on ROM stock and/or graded ore	Information given		
11	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Return scrutinized. No significant shortcomings were observed.	No significant shortcomings observed.	
12	Scrutiny of Annual return on fixed assets 9k Scrutiny of Annual return on mining machineries	Information given		
<b>VIII MCDR COMPLIANCE PAST AND PRESENT</b>				
1	Previous date of inspection			
2	Violations pointed out in previous inspection			
3	Check Compliance status of complied violations			
4	Pending violations			
5	Status of compliance of MCDR, 2017, including therewith the rectification of outstanding violation of rules			
6	<b>Violation Detected And Pointed Out During This Inspection</b>			
<b>IX RECOMMENDATIONS</b>				
1	To IBM			
2	To State Government			
<b>Date :</b>	27.12.2024	<b>Damodar Prasad Sharma, ACOM</b>		
		<b>Indian Bureau of Mines</b>		