

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/MANDI/SALT-1

Mine code : 51HPR08003

- (i) Name of the Inspecting Officer and ID No. : 002) DAMODAR PRASAD SHARMA
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine Official with Designation : DILSEHWAR KAR, MINE MANAGER.
- (iv) Date of Inspection : 15/11/2019
- (v) Prev.inspection date : 17/06/2018

PART-I : GENERAL INFORMATION

1. (a) Mine Name : DRANG
- (b) Registration NO. :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : HIMACHAL PRADESH
- District : MANDI
- Village : DRANG
- Taluka : SADAR
- Post office : DRANG
- Pin Code :
- FAX No. : 01905-22001
- E-mail :
- Phone : 01905-22001
- (f) Police Station : MANDI
- (g) First opening date : 06/02/2003
- (h) Weekly day of rest : SUN
2. Address for correspondence : HINDUSTAN SALT LIMITED
MANDI, MANDI
H.P.
3. (a) Lease Number : HPR0045
- (b) Lease area : 13.95
- (c) Period of lease : 20
- (d) Date of Expiry : 01/05/2003
4. Mineral worked : ROCK SALT Main

5. Name and Address of the Lessee

: HINDUSTAN SALT LTD.
HINDUSTAN SALT LTD. COURT
BULIDING MANDI HIMACHAL
PRADESH
Phone:
FAX :

Owner

: HINDUSTAN SALT LTD.
MANDI HIMACHAL PRADESH
Phone:
FAX :

Agent

: H.C.DADHEECH
HINDUSTAN SALT LIMITED
COURT ROAD, MANDI, HP
MANDI HIMACHAL PRADESH
Phone: 01905-22001
FAX :

Mining Engineer

Name : BIRENDRA KUMAR, Full Time
Qualification : B.E. MINING, FCC (METAL)
Appointment/ : 01/01/2004
Termination date

6. Date of approval of Mining Plan/Scheme of Mining

: Renewal under rule 22 MCR1960

20/05/2005

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	As per proposals 10 bore hole proposed during the plan period.	03 bore holes was carried out during till date.	
1b	Exploration over lease area for geological axis 1 or 2	No proposals incorporated in mining plan	No proposals incorporated in mining plan	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	12,99,500 Rs	12,99,500 Rs	exploration was carried out by Geoservices Maritime Pvt Ltd, Mumbai
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals incorporated in mining plan	No proposals incorporated in mining plan	
1e	Balance reserve as on 01/04/20	Reserve in 121&122 3.86 Million Tonnes	Reserve in 121&122 3.86 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	Exploration was not carried out as per proposals, violation point out under rule 11(1) of MCDR-2017.	Exploration was not carried out as per proposals, violation point out under rule 11(1) of MCDR-2017.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	Development Inclined D-1 75 mtr Development Inclined D-2 60 Mtr Horizontal	Development Inclined D-1 30 mtr Development Inclined D-2 0 Mtr Horizontal	90 Mtr	
		302.37 Mtr			
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Applicable	Not Applicable		This mine is underground Mine.
2c	Stripping ratio or ore to OB ratio	Not Applicable	Not Applicable		
2d	Quantity of topsoil generation in m3	No Proposals incorporated	Nil		
2e	Quantity of overburden generation in m3	Nil	Nil		
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development was not carried out as per proposal, Incline No D-2 not developed. Violation point out as per Rule 11(1) of MCDR-2017.	Development was not carried out as per proposal, Incline No D-2 not developed. Violation point out as per Rule 11(1) of MCDR-2017.		This is underground mine .Development was not carried out as per proposal, Incline No D-2 not developed. Violation point out as per Rule 11(1) of MCDR-2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Not Applicable	Not Applicable	This is Underground Mine.

3b	Quantity of ROM mineral production proposed	7653 Tonnes proposed during year 2018-19.	17.1 Tonnes prouction achived during year 2018-19.	
3c	Recovery of sailable/usable mineral from ROM production	Recovery is nearly 100%	All the ROM saleable in the market.	
3d	Quantity of mineral reject generation	No proposals incorporated	No proposals incorporated	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	Not Applicable	Not Applicable	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	No sub grade mineral present in this mine.
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Applicable	Not Applicable	
3j	Provision of drilling and blasting in mineral benches	Conventional method of drilling &blasting with wedge cut pattern of drilling of 32mm dia size hole.	Conventional method of drilling &blasting with wedge cut pattern of drilling of 32mm dia size hole.	

3k	Provision of mining machineries in mineral benches	Direct rope haulage will be used for loading and transporting of blasted material from underground mine to top.	Direct rope haulage will be used for loading and transporting of blasted material from underground mine to top.		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Applicable	Not Applicable		This is underground Mine.
3m	Total area covered under excavation/pits	Not Applicable	Not Applicable		
3n	Ore to OB ratio for the pit/mine during the year.	Not Applicable	Not Applicable		
3o	Total area put in use under different heads at the end of year	0.4906 ha	0.4906 ha		
3p	Production of ROM mineral during the last five year period as applicable	2016-17 Tonnes 0 2017-18 7434 Tonnes 2018-19 7653 Tonnes	2016-17 Tonnes 0 2017-18 Tonnes 47.40 2018-19 Tonnes 17.1 Tonnes		No excess production observed.
3q	General remarks of inspecting officers on method of mining etc.		Method of Mining Suitable as per deposit condition but development was not carried out as per proposals. Violation point out to lessee as per rule 11(1) of MCDR-2017.		Method of Mining Suitable as per deposit condition but development was not carried out as per proposals. Violation point out to lessee as per rule 11(1) of MCDR-2017.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	As per proposals South west of ML boundary , Near pillar no 13 waste will be dumped.	Waste material dumped as per proposed earmarked place..	
4b	Location of topsoil, OB and mineral reject dumps	South west of ML boundary , Near pillar no 13 waste will be dumped.	Waste material dumped as per proposed earmarked place..	Waste material dumped as per proposed earmarked place..
4c	Number of dumps within lease area and outside of lease area	1	1	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Near incline-1	Near incline-1	
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	0	0	
4g	Number of dumps established.	none	none	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	0	0	
4k	Specific comments of inspecting officer on waste dump management	Waste material dumped as per proposed earmarked place..	Waste material dumped as per proposed earmarked place..	Waste material dumped as per proposed earmarked place..

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not Applicable	Not Applicable	
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Applicable	Not Applicable	
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	This is underground mine. There is no mature area for back filling.	This is underground mine. There is no mature area for back filling.	

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	PMCP report of year 2018-19 submitted.	PMCP report of year 2018-19 submitted.	
6b	Area available for rehabilitation (ha) .	Not Applicable	Not Applicable	
6c	afforestation done (ha).	0.25 ha	0.0025 ha	
6d	No. of saplings planted during the year	50 nos	50 nos	

6e	Cumulative no .of plants	100 nos	100 nos
6f	Any other method of rehabilitation	Not Applicable	Not Applicable
6g	Cost incurred on watch and care during the year	2000	2000
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Applicable	Not Applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Applicable	Not Applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	Not Applicable	Not Applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Applicable	Not Applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not Applicable	Not Applicable
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not Applicable	Not Applicable

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Applicable	Not Applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Complied	Complied	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP report of year 2018-19 submitted.	PMCP report of year 2018-19 submitted.	PMCP report of year 2018-19 submitted.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM sale to locality and traders.	Total ROM sale to locality and traders.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	As such no adverse issues observed with regard to mineral conservation at this mine.	As such no adverse issues observed with regard to mineral conservation at this mine.	As such no adverse issues observed with regard to mineral conservation at this mine.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposals incorporated	Proposals incorporated	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposals incorporated	Waste material dumped as per proposed earmarked place..	Waste material dumped as per proposed earmarked place..
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable	Not Applicable	This is underground Mine.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline Study carried out.	Baseline Study carried out.	
8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	Not Applicable	Not Applicable	

8i General remarks of inspecting officer on aesthetic beauty in and around mines area

Aesthetic beauty is maintained except some degradation of land.

Aesthetic beauty is maintained except some degradation of land.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	All the monthly returns are being submitted regularly .Annual return for the year 2018-19 has been submitted.	All the monthly returns are being submitted regularly .Annual return for the year 2018-19 has been submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Mine Manager Appointed . Mine Manager Mr.Dliehwar Kar Geologist Not Appointed.	Mining Engineer and Mine Manager Appointed . Mine Manager Mr.Dliehwar Kar Geologist Not Appointed.	Geologist is not appointed , violation point out as per rule of 55 of MCDR-2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information given	Information given	
9d	Scrutiny of Annual return on afforestation	Information given	Information given	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Information given	Information given	No mineral reject present in this mine.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information given	Information given	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Returns scrutinize	Ex-mine price is not correct.	Violation point out as per under rule 45(7) of MCDR-2017.
9h	Scrutiny of Annual return on fixed assets	Information given	Information given	
9k	Scrutiny of Annual return on mining machineries	Information given	Information given	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	20/12/2019			
MCDR17	Rule 45(7) (a)	20/12/2019			
MCDR17	Rule 55(1) (3)	20/12/2019			

Date : 15/10-2020


15.10.2020
(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines