

Inspection Report

PART-I

1.0	INTRODUCTION	
1.1	Name of the Inspecting Officer & Designation	S. K. Mohapatra
	Region/Zone/GM&MM Cell	Guwahati Regional Office
	Date of Inspection and accompanying official of RP/PL/CL/ holder	07.12.2018
	Date of previous Inspection if any and Name of Inspecting Officer	NA
2.0	Details of RP/PL/CL area	
	Village	Surve (Larung) , Lumshnong
	Tehsil	Narpuh Elaka
	District	East Jaintia Hills
	State	Meghalaya
	Details of RP/PL/CL area	
	Name of Mineral for which RP/PL/CL granted	Limestone
	Date of grant with period; first grant/Renewal / re-grant	Years : 3 Years From :- 24 th February,2012 To :- 22 nd March,2012 (1 Month) From :- 25 th April,2018 To :- 25 th March,2021 (2 Years and 11 Months)
	Date of execution of the RP/PL/CL	The PL was executed on 24 th February 2014. After revoke of cancellation order, a supplementary deed was again executed on 25 th April 2018.
	Survey of India Toposheet Number	83 C/8 (Restricted)
3.0	Name and Address of RP/PL/CL Holder	
	Name	Green Valliey Industries Limited
	House No.:	Village- Nongsning
		PO-Chiehruphi
		PS-Khliehriat
	District	Dist-East Jaintia Hills
	State	Meghalaya- 793210
	Tel (Off.)	033 - 22827367
	Tel (Res.)	
	Mobile:	+91 9612050384
	Email ID:	info@greenvalliey.com /dulumoni.talukdar@greenvalliey.com
3.1	Land Use Details: (Forest, Non Forest, Grazing,Agriculture, barren etc. with details of area in hectare.	Forest Land, 44.58 Ha.

PART-II

4.0	STATUS OF COMPLIANCE OF RULES OF MCDR-1988	Date of Submission	Action taken by IBM in case of non-submission
4.1	Scheme of reconnaissance/prospecting under rule 4 of MCDR	10.07.2018	
4.2	Submission Modification in scheme of reconnaissance/prospecting under rule 5 if any	-----	
4.3	Intimation about commencement of reconnaissance/prospecting operations in Form-A under Rule 7	07/08/2018	
4.4	Appointment of Geologist under rule 55 MCDR ,2017 (Please give name and other details)	Name : Sri Dulumoni Talukdar Qualification:M.Sc.(Geology) Name of University: Gauhati University Year of passing : 2007 Experience : 10 Years	
4.5	Form-I under rule 46 regarding certain appointments	21.06.2018	
4.6	Notice of shaft sinking and bore holes in form- 'J' under rule 47	31.12.2018	
4.7	Records of shaft and bore holes under rule 48	27.12.2018 (submitted along-with final prospecting report)	
4.8	Preservation of cores under rule 59	Cores have been preserved in core boxes.	
4.9	Submission of yearly reports/final report in form-B under rule 8	27.12.2018	
4.10	Availability of boundary pillars in the RL/PL/CL area (Yes or No)	Yes	
4.11	Does RL/PL/CL area includes forest land (Yes or No)	Yes	
4.12	If yes then whether FC granted for exploration activities from MOEF with details of permission sought	Forest Clearance has been granted for prospecting operation on dated 6 th February,2018 vide letter No. 3 – MG B 021/2013 – SHI/4062 -63	
4.13	Permission sought		
4.14	Whether chemical analysis carried out in Govt. lab or NABL accredited lab	Yes	

PART- III

	GEOLOGY	
5.1	Previous work	N/A
5.2	Physiography	The PL area is part of the Shillong Plateau, which is comprised of rugged undulating terrain having hills and deep dissected valleys. The limestone deposits are seated on several hillocks. The elevation of the PL area varies from 586 m AMSL to 478 m AMSL. Undulating profile developed due to water courses along their flow directed either towards the south and southeast. The PL area is covered with growth of plants, trees, bushes and shrubs.
5.3	Regional Geology: Brief description to have an idea of the broad geological, structural frame work and pattern of mineralization. (Brief stratigraphy of the region to be given)	Regionally the area belongs to Jaintia group of formations. The Shella and Kopili Formations are the main sub divisions of Jaintia group, the former stratigraphically occurs below the later. Shella Formation comprises of three alternating sandstone and limestone members, viz, Lakadong Limestone, Umlatdoh Limestone and Prang Limestone respectively in chronological order. The pinching out of some of the members and inter fingering of limestone beds with sandstone and shale made them regionally impersistent. The Kopili Formation consists predominantly of shale with siltstone and sandstone intercalations. There is a conformable relationship between all members of Jaintia group. The rock formations display NE–SW strike with dip ranging between 0° to 10° due southeast.
5.4	Local Geology: Details of dip, strike, structural features lithology/ rock types, controls of mineralization observed in the RL/PL/CL area, outcrops of mineralization surface elucidations seen with approximate strike length and width.	In the PL area, Umlatdoh and Lakadong limestone members are the litho-units of interest and are known to be present on either side between the 110 km and 128 km milestone along Shillong - Silchar road. The limestone is mostly cement grade, although some high MgO horizons are present in both, the Umlatdoh and the Lakadong limestone. The occurrence of common rock types are Limestone and Sandstone and Dolomitic Limestone. The rock formations display NE–SW strike with dip ranging between 1° to 10° due southeast
5.5	Description of Exploratory workings (Brief description of dimension of exploratory pits/old workings/Observation made in the old pits, nala cuttings, escarpments etc.	N/A
5.6	Whether the proposals in the scheme are adequate to delineate the ore body in a way that mineral resources can be estimated partly under G1 and G2 categories of UNFC so as to enable the RL/PL/CL holder for preparing a systematic and scientific mining plan.	Yes, the whole area has been come under G1/G2 category in laterally. Only depth of the mineralisation may be delineated by further exploration.
5.7	If not then further measures suggested to be taken up for establishing the reserves/resources towards determination of grade of mineral/ore, mineralogical / amenability to beneficiation studies.	NA

PART- IV

6.0	REVIEW OF PROSPECTING SCHEME				
6.1	Name of Exploration Agency (Whether empanelled with IBM): M/s. Punarbhaba Construction Address : Singhabad (Habibpur) Malda (WB)				
6.2	Work carried out v/s proposed in scheme of reconnaissance / prospecting				
	Activities		Proposed	Achieved	Remarks
i.	Geological Mapping (Scale)	Scale and area covered	Scale : 1:2000 Area: 44.58 Ha.	Scale : 1:2000 Area: 44.58 Ha.	
ii.	Pitting	No's	Not Proposed	Not Proposed	
iii.	Trenching	No's	Not Proposed	Not Proposed	
iv.(a)	Drilling	No's of holes	14	14	
iv.(b)	Type of Drilling	Core/RC/DT H/ any other	Core Drilling	Core Drilling	
iv.(c)	Drilling	Meter	750 M	731.72 M	
V	Sample of chemical with check sample criteria (10 %)/ mineralogical analysis	No's	550	523	
Vi	Bulk Density Study	No's of sample	05	05	
Vii	Expenditure incurred in exploration activities			Approx. Rs.25.56 Lakh	
6.3	Critical analysis of prospecting pattern and data and maintenance of data/information , with a view to comment on adequacy of work done , vis-à-vis the scheme of reconnaissance / prospecting under rule 4 & 5 of MCDR - 2017				
6.4	Review of the status of the area not covered by reconnaissance/Prospecting.		NA		
6.5	Environment				
6.6	Extent of the area under Non-Forest land and forest land		The whole PL area i.e. 44.58 Ha is a Forest Land.		
6.7	Environmental Details		The PL area is mostly covered with bamboo tree and broom cultivation at places. Vegetation in the area is mostly shrubs and bushes of seasonal nature. Perennial bushes and creepers are also observed around the area. Very few big trees at some places are present in the PL area. Neither any perennial nala nor any seasonal nala available within the PL area. Sighting of wild animals are rare. Animals common to the area are foxes & rabbits while birds commonly seen are doves and parrots.		
6.8	Environmental Protection measure adopted and their efficiency		All possible precautions & care were taken during prospecting operation that not to impact adversely the surrounding forests and local forest land. No big tree was fallen during prospecting operation. Only bear minimum		

		shrubs and bushes were cut at the drilling site. No wild animal were hurt during prospecting operation.
6.9	Socioeconomic Concern	
6.10	Expenditure incurred in community development through employment / education / village development / housing in the vicinity area.	05 no's of local youth from Lumshnong village have been engaged to take care of PL area on monthly salary basis. Local labours were employed during boundary pillar erecting work, Topographical survey work and exploration operation work. Expenditure Details: Monthly Salary - Rs. 30,080/- Labour Wages - Rs. 40,000/- (Approx.)

PART- V

7.0	OBSERVATION OF INSPECTING OFFICER	
7.1	Conclusion	The licensee has completed the prospecting operation as per the proposal of scheme of prospecting.
7.2	Recommendations	From the fresh completed prospecting operation, it may be confirmed that, the PL area is Limestone bearing. Details of Resources and reserve may be confirmed after reviewing of final prospecting report.
7.3	Suggestions for further exploration work if any based on field inspection and follow up.	Yes, the whole area has been come under G1/G2 category in laterally. Only depth of the mineralisation may be delineate by further exploration.

Date: 15.01.2019

Place: Guwahati

Signature

Name & Designation: