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*The committee recommended the proposal for the approval of EC for "Preliminary exploration (G3) for molybdenum in Vellakkal North Block (2.90 Sq.Km.) & Vellakkal South Block (1.55 Sq.Km.), Uttangarai Sector, Haru-Uttangarai Belt, District-Krishnagiri, Tamil Nadu" with an estimated cost of Rs. 911.82 lakhs (including GST) within time schedule of 15 months and submission of report as per Annexures 4A & 4B. The item will be reviewed after 6 & 12 months subsequently.*

**Agenda 70.1.6. Preliminary Exploration (G-3) for Limestone in Mundra-Chilalblock Block (4.38 Sq. km) District- Yavatmal, Maharashtra.**

**[Implementing Agency: MECL]**

- The proposed Mundra-Chilai Limestone block, part of the Penganga Beds (SOI toposheet no. 55I/13), is based on lapsed lease areas around Hiradhwara village, granted under section 10(A) 2(B) of the MMDR Act-15.
- The Directorate of Geology and Mining (DGM), Maharashtra, requested MECL to explore these areas vide letter no. Tech/1848/2023/260, dated 23/01/2024, located east of the Hiwardhara lapsed lease area where limestone was reported.
- During 2004-2005, M/s Bajrang Sales Pvt. Ltd. conducted prospecting in the Hiwardhara area (39.98 hectares), establishing a limestone resource of 4.0 million tons (CaO:30.50%-51.00%, MgO:2.00%-19.30%, and SiO<sub>2</sub>: 2.8%-8.0%).
- The proposed exploration block lies east of the Hiwardhara lease area. MECL conducted field visits in the Hiradhwara, Ganeshpura, Mundra, and Chilai areas and collected four samples, yielding analyses of 34.27%-54.50% CaO, 0.69%-16.62% MgO, and 0.81%-3.68% SiO<sub>2</sub>.
- Based on the exploration data, field observations, and demand for limestone, MECL proposed to conduct Preliminary Exploration (G-3) in the Mundra-Chilai Block.

**Recommendation of TCC:**

*The committee recommended the proposal for the approval of EC for "Preliminary Exploration (G-3) for Limestone in Mundra-Chilalblock Block (4.38 Sq. km) District- Yavatmal, Maharashtra" with an estimated cost of Rs. 90.63 lakhs (including GST) within time schedule of 10 months and submission of report as per Annexures 5A & 5B. The item will be reviewed after 4 months.*

**Agenda 70.1.7. Preliminary Exploration (G-3) for Limestone in Hiwardhara-Ganeshpura Block (2.81 Sq. km) District- Yavatmal, Maharashtra.**

**[Implementing Agency: MECL]**

- The proposed Hiwardhara-Ganeshpura Limestone block, part of the Penganga Beds (SOI toposheet no. 55I/13), based on lapsed lease areas granted by the State Government of Maharashtra in and around Hiwardhara and Ganeshpura villages, Zari-Jamni and Wani Tehsil, Yavatmal.

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## Annexure 5A

**Estimate Cost for Preliminary Exploration (G-3) for Limestone in Mundra-Chilaiblock Block (4.38 Sq. km) District- Yavatmal, Maharashtra**

**Total Area - 4.38 Sq Km;      Nos. of Borehole - 06; 300m      Borehole depth range - 50m (BGL);      Completion Time - 10 Months, Review: 4 months**

S.N	Item of Work	Unit	Rates as per NMET SoC 2020-21		Estimated Cost of the Proposal		Remarks
			SoC-Item -SI No.	Rates as per SoC	Qty.	Total Amount (Rs)	
<b>A</b>	<b>GEOLOGICAL WORK</b>						
<b>1</b>	<b>Mapping (1:4000), Borhole logging &amp; Sampling &amp; Report writing</b>						
a	Charges for one Geologist per day at HQ	day	1.3a	9,000	30	2,70,000	
b	Charges for one Geologist per day at field	day	1.3b	11,000	100	11,00,000	
c	Labour for Geologist (2 Nos)	day	5.7	522	200	1,04,400	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
d	Charges for one Sampler per day (1 Party)	one sampler per day	1.5.2	5,100	39	1,98,900	
e	Labours for sampling work (4 Nos)	day	5.7	522	156	81,432	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher

*Parathi*  
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<b>2</b>	<b>Survey (on 1:4000 Scale)</b>						
a	Bore Hole Fixation and determination of co-ordinates & Reduced Level of the boreholes and block cardinal points by DGPS	Per Point of observation	1.6.2	19,200	13	2,49,600	Block cardinal point- 7 Borehole- 6
b	Charges of one Surveyor (1 Party)	one surveyor per day	1.6.1a	8,300	30	2,49,000	Contouring at 2m interval
c	Labours (4 Nos)	day	5.7	522	120	62,640	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	<b>Sub-Total A</b>					<b>23,15,972</b>	
<b>B</b>	<b>DRILLING</b>						
1	Drilling -Soft rock	m	2.2.1.1b	7,168	300	21,50,400	MoC Rate
2	Land / Crop Compansation (in case the BH falls in agreecultural Land)	per BH	5.6	20,000	6	1,20,000	Amount will be reimburse as per actuals or max. Rs. 20000 per BH with certification from local authorities
3	Construction of concrete Pillar (12"x12"x30")	per borehole	2.2.7a	2,000	13	26,000	
4	Transportation of Drill Rig & Truck associated per drill	Km	2.2.8	36	400	14,400	To & fro Nagpur
5	Monthly Accomodation Charges for drilling Camp (up to 1 Rigs)	month	2.2.9	50,000	3	1,50,000	
6	Drilling Camp Setting Cost	Nos	2.2.9a	2,50,000	1	2,50,000	
7	Drilling Camp Winding up Cost	Nos	2.2.9b	2,50,000	1	2,50,000	

*P. Parathi*  
06/11/2024

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8	Road Making (Flat Terrain)	Km	2.2.10a	22,020	5	1,10,100	Road Making will be considered as per the requirement and Road Making Charges will be reimbursed accordingly.
9	Drill Core Preservation	per m	5.3	1,590	270	4,29,300	
	<b>Sub Total B</b>					<b>35,00,200</b>	
<b>C</b>	<b>LABORATORY STUDIES</b>						
<b>1</b>	<b>Chemical Analysis</b>						
<b>i)</b>	<b>Primary samples</b>						
	a. For 10 radicals i.e. CaO, MgO, Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , SO <sub>3</sub> , P <sub>2</sub> O <sub>5</sub> , K <sub>2</sub> O, Na <sub>2</sub> O and LOI by XRF	Nos	4.1.15a	4,200	280	11,76,000	10 BRS, 270 Core samples
<b>ii)</b>	<b>External Check samples (10%)</b>						
	a. For 10 radicals i.e. CaO, MgO, Al <sub>2</sub> O <sub>3</sub> , SiO <sub>2</sub> , Fe <sub>2</sub> O <sub>3</sub> , SO <sub>3</sub> , P <sub>2</sub> O <sub>5</sub> , K <sub>2</sub> O, Na <sub>2</sub> O and LOI by XRF	Nos	4.1.15a	4,200	28	1,17,600	
<b>iii)</b>	<b>Petrological samples ( Bh Core Samples)</b>						
i	Preparation of thin section	Nos	4.3.1	2,353	5	11,765	
ii	Study of Thin Section	Nos	4.3.4	4,232	5	21,160	
<b>iv)</b>	<b>Bulk Density Determination</b>						
	Bulk Density	No.	4.1	3,540	2	7,080	
	<b>Total - C</b>					<b>13,33,605</b>	
<b>D</b>	<b>Sub Total (A to C)</b>					<b>71,49,777</b>	
<b>E</b>	<b>Geological Report Preparation</b>		<b>5.2</b>	<b>ii</b>		<b>3,57,489</b>	EA has to submit the final Geological Report in Hard Copies (5 Nos) and soft copy to NMET

*Parathi*  
06/11/2024

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06/11/2024

F	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1			1,42,996	EA has to submit the Hhard copies and soft copies of final proposal along with maps and plan as suggested by the TCC-NMET in its meeting while clearing the proposal.
G	Peer review Charges		As per EC decisio n			30,000	
H	Total Estimated Cost without GST					76,80,261	
I	Provision for GST (18% of H)	%				13,82,447	GST will be reimburse as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST					90,62,708	
				Rs. In Lakhs		90.63	
Note:							
1	Strict adherence to the Ministry of Finance's and GFR guidelines is mandatory. Every transaction must adhere to GFR rule 21.						
2	In case of delay/non- performance, the appropriate action will be taken by competent authority against delinquent agency as per prevailing govt. of India rules/guidelines on procurement.						
3	If any part of the project is outsourced, the amount will be reimbursed as per the Paragraph 3 of NMET SoC and Item no. 6 of NMET SoC. In case of execution of the project by NEA on its own, a Certifiante regarding non outsourcing of any component/project is required.						
4	Necessary efforts should be made to minimize any adverse impact on the environment during exploration activities.						

*Parathi*  
06/11/2024

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06/11/2024

## Annexure 5B

**Time Schedule/ Action Plan for Preliminary Exploration (G-3) for Limestone in Mundra-Chilaiblock Block (4.38 Sq. km) District-  
Yavatmal, Maharashtra**

Sl. No.	Activities	Unit	MONTHS										
			1	2	3	4	Review	5	6	7	8	9	10
1	Camp Setting	Month											
2	Surface Drilling (1 rig)	m.											
3	Survey Party days (1 Party)	day											
4	Geologist Party days in field (1 Party)	day											
5	Sampling Party days, Core Sampling (1 party)	day											
6	Camp Winding	Month											
7	Laboratory Studies	Nos.											
8	Geologist Party days in HQ (1 Party)	day											
9	Geological Report Writing with Peer Review	Month											

*P. Parathi*  
06/11/2024

*Dr. Anil*  
06/11/2024