

Ministry of Mines
National Mineral Exploration Trust
Minutes of the Supplementary meeting of 77th Technical-cum-Cost Committee-1
(TCC-1) held on 20th June 2025 through video conferencing

Supplementary meeting of the 77th Technical-cum-Cost Committee-1 (TCC-1) of the National Mineral Exploration Trust (NMET) was held via video conferencing under the chairmanship of Dr. S. Ravi, Deputy Director General (DDG), Geological Survey of India Training Institute (GSITI) and Chairman, TCC-1, NMET, on 20th June 2025.

Members of TCC-1, NMET and representatives from DMG Telangana and MECL have attended the meeting through their respective VC modes.


The list of participants is enclosed in Annexure-1.

Dr. S. Ravi, Chairman of TCC-1, NMET, extended a warm welcome to all members of TCC-1 and participants representing MECL and DMG, Telangana. The Chairman, TCC-1 conveyed the message of ministry as well as Secretary (MoM) regarding the urgency of the augmentation of mineral resources in the state of Telangana. Accordingly, he advised both MECL and DMG, Telangana to utilize the database available in the NGDR portal as well as the legacy data with DMG, Telangana including blocks with 10A(2)(B) cases and submit proposals for exploration under NMET fund. With these formal words the Chairman requested the members to meticulously review the proposals submitted by MECL for further necessary action.

Agenda 77.S.1: Technical evaluation of new project proposals

Agenda 77.S.1 Preliminary exploration (G-3 stage) for limestone in Mukteswarapuram Block, Suryapet district, Telangana.
[Implementing Agency: MECL]

- a) The proposed Mukteswarapuram Block forms part of the Prospecting License areas of M/s Rain Cement Ltd. and falls within the Proterozoic Palnadu Basin comprising lithology equivalents to Narji Limestone Formation of Kurnool Group. The block is located in the north-eastern portion of the Cudappah Basin in Toposheet No 65D/01.
- b) The area hosts existing mining leases for limestone in proximity to the Prospecting Licence (PL) blocks where G-4 stage exploration has been carried out by the respective agencies and proved limestone resources to the tune of 08 million tonnes over 12 hectares.
- c) G-3 level exploration was carried out by MECL during FY: 2017-18 in the adjoining Sultanpur, Saidulnama, and Pasupalabodu blocks and reported presence of limestone to the thickness ranging from 10.5 to 36.0m. Out of these, Saidulnama and Sultanpur blocks were successfully auctioned in 2024.
- d) NMET funded projects Ramapuram cluster 5 (G4 stage resource: 675 MT X 46.05% CaO) and Dondapadu Cluster-6 (G4 stage resource: 452 MT X 44.82% CaO) lie towards south east of the proposed area.
- e) After the 2021 MMDR (amendments) Act, a total of 19 pre-2015 PL reports became ineligible and now require re-evaluation under the Minerals (Evidence of Mineral Contents) Rules, 2015. Subsequently, a Scrutiny Committee was formed


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(G.O.Ms.No.8, dated 12.03.2025) with members from DMG, Telangana, GSI, IBM and MECL and the committee through its meeting held on 04.06.2025 recommended to carry out further exploration in the blocks to validate the existing data.

- f) Accordingly, Director of Geology and Mining, Telangana, handed over the Mukteswarapuram block to MECL to upgrade the block to facilitate auction.
- g) MECL presented the proposal during the supplementary meeting of TCC-1 held on 20.06.2025 and the committee thoroughly reviewed the proposal and inquired about the justification behind the proposed block shape as well as the wide variation in the dip amount shown in the LSM map. In response, MECL explained that the block shape is arrived after considering the constraints due to the presence of highway and state boundary in the western and northern side respectively. Since MECL could not justify the large variation in the dip amount, the committee advised MECL to properly elucidate the disposition of the limestone through detailed mapping on 1:4000 scale and submit drilling plan at appropriate grid pattern complying with UNFC G3 norms.

Recommendations of TCC-1:

The committee recommended the proposal “Preliminary exploration (G-3 stage) for limestone in Mukteswarapuram Block, Suryapet district, Telangana ” for approval of EC with an estimated cost of ₹ 92.94 lakh (including GST) within time schedule of 7 months for carrying out the proposed work and submission of report as per Annexure - 2A & 2B. The item will be reviewed after 03 months.

Agenda.77. S.2. Agenda 77.1.1 Preliminary exploration (G-3 stage) for limestone in Pedaveedu East Block, Suryapet district, Telangana.

[Implementing Agency: MECL]

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Agenda.77. S.3. Agenda 77.1.1 Preliminary exploration (G-3 stage) for limestone in Pedaveedu West Block, Suryapet district, Telangana.

[Implementing Agency: MECL]

- a) As mentioned earlier, Prospecting Licences (PLs) granted before the MMDR Amendment Act, 2015 included exploration reports (G-4, G-3, etc.). However, the 2021 amendments rendered these reports ineligible, requiring auction of such blocks. As a result, 19 PL reports need re-evaluation under the Minerals (Evidence of Mineral Contents) Rules, 2015.
- b) Subsequently, the State Government constituted a Scrutiny Committee, and in a meeting held on 04.06.2025 with GSI, MECL, and IBM, it was agreed that further field exploration is needed to validate the existing data. Accordingly, along with the Mukteswarapuram Block, State DGM handed over Pedaveedu East and west blocks to MECL for upgradation of these two blocks to facilitate the auction process.
- c) The proposed Pedaveedu East and West blocks fall within the PL areas of Sagar Cement Ltd. and are located adjacent to Mukteswarapuram Block. The blocks are parts of Palnad Sub-Basin (part of SOI toposheet no 56P/14) and is located in the northeastern part of the Cudappah Basin.

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- d) The area lies near existing limestone mining leases and PL blocks where G-4 level exploration confirmed 8 million tonnes of resources over 12 hectares. MECL also conducted G-3 level exploration in nearby blocks i.e. Sultanpur, Saidulnama, and Pasupalabodu (FY: 2017-18), confirming limestone continuity with intercepts ranging from 10.5 to 36.0 m. Saidulnama and Sultanpur blocks were successfully auctioned in 2024.
- e) NMET funded projects Ramapuram cluster 5 (G4 stage resource: 675 MT X 46.05% CaO) and Dondapadu Cluster-6 (G4 stage resource: 452 MT X 44.82% CaO) are located south east of the proposed area.
- f) Detailed discussions were held on borehole planning, and it was decided to adopt drilling at 800 m x 800 m grid instead of placing five boreholes per block. However, a 400 m buffer from the block boundary must be maintained while finalizing borehole locations.
- g) Considering the wide variation in dip values presented by MECL, the committee recommended that detailed mapping be undertaken before finalizing the drilling plan for these blocks too.

Recommendations of TCC-1:

The committee recommended the proposal "Preliminary exploration (G-3 stage) for limestone in Pedaveedu East Block, Suryapet district, Telangana" for approval of EC with an estimated cost of ₹ 86.46 lakh (including GST) within time schedule of 7 months for carrying out the proposed work and submission of report as per Annexure - 3A & 3B. The item will be reviewed after 03 months.

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The committee recommended the proposal "Preliminary exploration (G-3 stage) for limestone in Pedaveedu West Block, Suryapet district, Telangana" for approval of EC with an estimated cost of ₹ 88.96 lakh (including GST) within time schedule of 7 months for carrying out the proposed work and submission of report as per Annexure - 4A & 4B. The item will be reviewed after 03 months.

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Annexure1

List of participants attended 77th meeting of Technical-cum-cost Committee (TCC-I) of NMET held on 26th and 27th May, 2025 through video conferencing mode

S. no	Name	Designation	Email ID	Contact No	Organization
1.	Dr. S. Ravi,	Dy. Director General, GSITI, GSI Hyderabad	s.ravi1@gsi.gov.in	9441138834	Chairman, TCC-1
2.	Sh. I.R. Kirmani	ADG (Retd.), GSI	irkirmani@yahoo.com	9414014723	Member TCC-1
3.	Sh. Hemraj Suryavanshi	Addl. Director General (Retd.), GSI	hemraj.nmet@gmail.com	9425603674 7477042176	Member TCC-1
4.	Sh. K. Koteswara Rao	Dy.D.G. (Retd.) GSI	kkrao1957@gmail.com	9000117969	Member TCC-1
5.	Dr. S. K. Kulshrestha	DDG-RMH-III, NER, GSI, Shillong	s.kulshrestha@gsi.gov.in	9413330658	Member TCC-1
6.	Dr.E.V.S.S.K. Babu	Scientist (G), NGRI	evsskbabu@ngri.res.in	9441535852	Member TCC-1
7.	Sh.K.L. Mundra	Additional Director, AMD, Hyderabad	klmundra.amd@gov.in	9414785663	Member TCC-1
8.	Sh. S.K. Adhikari	Chief Mining Geologist, IBM, Nagpur	skadhikari@ibm.gov.in	7588690545	Member TCC-1
9.	Smt. Vandana	Cost Accounts Officer, RSAS, Bangalore, GSI	vandana@gsi.in	8660939235	Member TCC-1
10.	Sh. P. Ravindran	GM (Exploration) (C)	ravindran.mecl@gmail.com	9407607309	MECL, Nagpur
11.	Sh. Shrikant Sharma	Head (Exploration)	shrikant.mecl@gmail.com	9131229758	MECL, Nagpur
12.	Sh. Sayandeep Chakraborty,	Asst. Manager (Geology)	sayanchak2011@gmail.com	9038956935	MECL, Nagpur
13.	Sh. Swarup Dhara,	Manager (Geology)	swarupdhara@gmail.com	9630307282	MECL, Nagpur
14.	Representative				DMG Telangana
15.	Smt. Anju C.S.	Superintending Geologist	nmet.mines@gov.in	8588836933	NMET Sectt.
16.	Sh. Bulbul Mondal	Superintending Geologist	tcc.nmet.2023@gmail.com	9784700207	GSI, SR

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Annexure 2A

Estimate Cost for Preliminary exploration (G-3 stage) for limestone in Mukteswarapuram Block, Suryapet district, Telangana
Total Area - 4.57 Sq Km; Nos. of Borehole - 8 ; Drilling : 400m Borehole depth range - 50m ; Completion Time - 07
Months , Review : after 3 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)	
A	GEOLOGICAL WORK						
1	Mapping at 1:4000 Scale with contouring Borhole logging, Sampling & Report writing						
a	Charges for one Geologist per day at HQ	day	1.3	9,000	30	2,70,000	
b	Charges for one Geologist per day at field	day	1.3	11,000	75	8,25,000	
c	Labour for Geologist (2 Nos)	day	5.7	541	150	81,150	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	44	2,24,400	Total 220 No of Sample, Hence $(220/8)= 28$ Nos of Days
e	Labours for sampling work (4 Nos)	day	5.7	541	176	95,216	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher

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2	Survey Work						
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- 5 Borehole- 8
b	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval	days	1.6.1a	8,300	30	2,49,000	Survey at 1:4000 Scale
c	4 labours/ party (As per rates of Central Labour Commissioner)	days	5.7	541	120	64,920	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub-Total A					20,59,286	
B	DRILLING						
1	Drilling -Soft rock (Outsourcing)	m	2.2.1.1b	7,168	400	28,67,200	MoC Rate
2	Tendering process cost	One time	2.3	2% of the approved project cost or 5 lakh whichever is lower will be paid one time to Exploration Agency		57,344	Amount will be reimburse as per actuals or max. Rs. 20000 per BH with certification from local authorities
3	Operational Charges	One time	6.i	In case of total outsourced cost up to ₹50 lakh: In addition, 10 percent of the total		2,86,720	

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				outsourced cost will be paid to Exploration Agency towards operational charges.			
4	Drill Core Preservation	Per m	5.3	350	1,590	5,56,500	
	Sub Total B					37,67,764	
C	LABORATORY STUDIES						
1	Chemical Analysis						
i)	Primary samples						
	a. For 10 radicals i.e. CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , Na ₂ O, SO ₃ , P ₂ O ₅ , K ₂ O by XRF and LOI	Nos	4.1.15a	4,200	320	13,44,000	40 Nos of Samples shall be generated per Boreholes
ii)	Check samples External(10%)						
	a. For 10 radicals i.e. CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , Na ₂ O, SO ₃ , P ₂ O ₅ , K ₂ O by XRF and LOI	Nos	4.1.15a	4,200	32	1,34,400	
	Specific gravity of rock sample	No.	4.8.1	1,605	-	-	
iii)	Bulk density	Per sample	4.1	3,540	2	7,080	
iv)	Preparation of thin section	per sample	4.3.1	2,353	3	7,059	
v)	Study of thin section for petrography	per sample	4.3.4	4,232	3	12,696	
vi)	Digital photomicrograph of thin polished section	per sample	4.3.7	280	3	840	
	Total - C					15,06,075	
D	Sub Total (A to C)					73,33,125	

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E	Geological Report Preparation		5.2	For the projects up to ₹50 lakh: Minimum ₹1.50 lakh or 5% of the total value of work whichever is more and ₹1000/ each additional copy.		3,66,656	
F	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is lower		1,46,663	
G	Peer review Charges		As per EC decision			30,000	
H	Total Estimated Cost without GST					78,76,444	
I	Provision for GST (18% of H)	%				14,17,760	GST will be reimburse as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST					92,94,204	

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				or Say Rs. In Lakhs	92.94	
Note - 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 Certificate regarding non outsourcing of any component/project is required.						
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 Certificate 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.					
5	Any item of work not mentioned above shall be added as per SoC.					
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.					

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Annexure 2B										
Time Schedule/ Action Plan for Preliminary exploration (G-3 stage) for limestone in Mukteswarapuram Block, Suryapet district, Telangana										
Sl. No.	Activities	Unit	MONTHS							
			1	2	3	Review	4	5	6	7
1	Tendering									
2	Surface Drilling (1 rig)	m.								
3	Geologist Party days in field (1 Party)	day								
4	Topographic Survey									
5	Sampling Party days, Core Sampling (1 party)	day								
6	Laboratory Studies	Nos.								
7	Geologist Party days in HQ (1 Party)	day								
8	Geological Report Writing with Peer Review	Month								

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Annexure 3A

Estimate Cost for Preliminary exploration (G-3 stage) for limestone in Pedaveedu East Block, Suryapet district, Telangana.
Total Area - 4.17 Sq Km; Nos. of Borehole - 7 ; Drilling : 350m Borehole depth range - 50m ; Completion Time - 07
Months Review : after 3 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)	
A	GEOLOGICAL WORK						
1	Mapping at 1:4000 Scale with contouring, Borhole logging, Sampling & Report writing						
a	Charges for one Geologist per day at HQ	day	1.3	9,000	30	2,70,000	
b	Charges for one Geologist per day at field	day	1.3	11,000	70	7,70,000	
c	Labour for Geologist (2 Nos)	day	5.7	541	140	75,740	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	Total 176 No of Sample, Hence $(1760/8) = 22$ Nos of Days
e	Labours for sampling work (4 Nos)	day	5.7	541	156	84,396	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or

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							respective State Govt. whichever is higher
2	Survey Work						
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	28	5,37,600	Block cardinal point- 21 Borehole- 7
b	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval	days	1.6.1a	8,300	30	2,49,000	Survey at 1:4000 Scale
c	4 labours/ party (As per rates of Central Labour Commissioner)	days	5.7	541	120	64,920	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub-Total A					22,50,556	
B	DRILLING						
1	Drilling -Soft rock (Outsourcing)	m	2.2.1.1b	7,168	350	25,08,800	MoC Rate
2	Tendering process cost	One time	2.3	2% of the approved project cost or 5 lakh whichever is lower will be paid one time to Exploration Agency		50,176	

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3	Operational Charges	One time	6.i	In case of total outsourced cost up to ₹50 lakh: In addition, 10 percent of the total outsourced cost will be paid to Exploration Agency towards operational charges.		2,50,880	
	Drill core Preservation	per m	5.3	280	1,590	4,45,200	
	Sub Total B					32,55,056	
C	LABORATORY STUDIES						
1	<u>Chemical Analysis</u>						
i)	Primary samples						
	a. For 10 radicals i.e. CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , Na ₂ O, SO ₃ , P ₂ O ₅ , K ₂ O by XRF and LOI	Nos	4.1.15a	4,200	280	11,76,000	40 Nos of Samples shall be generated per Boreholes
ii)	Check samples External(10%)						
	a. For 10 radicals i.e. CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , Na ₂ O, SO ₃ , P ₂ O ₅ , K ₂ O by XRF and LOI	Nos	4.1.15a	4,200	28	1,17,600	
iii)	Bulk Density	No.	4.1	3,540	2	7,080	
iv)	Preparation of thin section	per sample	4.3.1	2,353	2	4,706	
v)	Study of thin section for petrography	per sample	4.3.4	4,232	2	8,464	
vi)	Digital photomicrograph of thin polished section	per sample	4.3.7	280	2	560	
	Total - C					13,14,410	
D	Sub Total (A to C)					68,20,022	

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E	Geological Report Preparation		5.2	For the projects up to ₹50 lakh: Minimum ₹1.50 lakh or 5% of the total value of work whichever is more and ₹1000/ each additional copy.		3,41,001	
F	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is lower		1,36,400	
G	Peer review Charges		As per EC decision			30,000	
H	Total Estimated Cost without GST					73,27,424	

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I	Provision for GST (18% of H)	%				13,18,936	GST will be reimburse as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST					86,46,360	
K				Rs. In Lakhs		86.46	
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 Certificate 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.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

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Annexure 3B										
Time Schedule/ Action Plan for Preliminary exploration (G-3 stage) for limestone in Pedaveedu East Block, Suryapet district, Telangana.										
Sl. No.	Activities	Unit	MONTHS							
			1	2	3	Review	4	5	6	7
1	Tendering									
2	Surface Drilling (1 rig)	m.								
3	Geologist Party days in field (1 Party)	day								
4	Topographic Survey									
5	Sampling Party days, Core Sampling (1 party)	day								
6	Laboratory Studies	Nos.								
7	Geologist Party days in HQ (1 Party)	day								
8	Geological Report Writing with Peer Review	Month								

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Annexure 3A

Estimate Cost for Preliminary exploration (G-3 stage) for limestone in Pedaveedu West Block, Suryapet district, Telangana.
Total Area - 7.78 Sq Km; Nos. of Borehole - 7 ; Drilling: 350 Borehole depth range - 50m ; Completion Time - 07 Months ,
Review : after 3 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)	
A	GEOLOGICAL WORK						
1	Mapping at 1:4000 Scale & Contouring, Borehole logging, Sampling & Report writing						
a	Charges for one Geologist per day at HQ	day	1.3	9,000	30	2,70,000	
b	Charges for one Geologist per day at field	day	1.3	11,000	80	8,80,000	
c	Labour for Geologist (2 Nos)	day	5.7	541	160	86,560	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	Total 132 No of Sample, Hence (132/8)= 17 Nos of Days
e	Labours for sampling work (4 Nos)	day	5.7	541	156	84,396	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
2	Survey Work						

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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	32	6,14,400	Block cardinal point- 25 Borehole- 7
b	Charges of one qualified surveyor with Total Station for carrying out topographical survey in different RF and surface contouring at different interval	days	1.6.1a	8,300	30	2,49,000	Survey at 1:4000 Scale
c	4 labours/ party (As per rates of Central Labour Commissioner)	days	5.7	541	120	64,920	Amount will be reimburse as per the notified rates by the Central Labour Commissioner or respective State Govt. whichever is higher
	Sub-Total A					24,48,176	
B	DRILLING						
1	Drilling -Soft rock (Outsourcing)	m	2.2.1.1b	7,168	350	25,08,800	MoC Rate
2	Tendering process cost	One time	2.3	2% of the approved project cost or 5 lakh whichever is lower will be paid one time to Exploration Agency		50,176	
3	Operational Charges	One time	6.i	In case of total outsourced cost up to ₹50 lakh: In addition, 10 percent of the total outsourced cost will be paid to Exploration Agency towards operational charges.		2,50,880	
	Drill Core Preservation	per m	5.3	280	1,590	4,45,200	
	Sub Total B					32,55,056	
C	LABORATORY STUDIES						

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1	Chemical Analysis						
i)	Primary samples						
	a. For 10 radicals i.e. CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , Na ₂ O, SO ₃ , P ₂ O ₅ , K ₂ O by XRF and LOI	Nos	4.1.15a	4,200	280	11,76,000	40 Nos of Samples shall be generated per Boreholes
ii)	Check samples External(10%)						
	a. For 10 radicals i.e. CaO, MgO, Al ₂ O ₃ , SiO ₂ , Fe ₂ O ₃ , Na ₂ O, SO ₃ , P ₂ O ₅ , K ₂ O by XRF and LOI	Nos	4.1.15a	4,200	28	1,17,600	
iii)	Bulk Density	No.	4.1	3,540	2	7,080	
iv)	Preparation of thin section	per sample	4.3.1	2,353	2	4,706	
v)	Study of thin section for petrography	per sample	4.3.4	4,232	2	8,464	
vi)	Digital photomicrograph of thin polished section	per sample	4.3.7	280	2	560	
	Total - C					13,14,410	
D	Sub Total (A to C)					70,17,642	
E	Geological Report Preparation		5.2	For the projects up to ₹50 lakh: Minimum ₹1.50 lakh or 5% of the total value of work whichever is more and ₹1000/ each additional copy.		3,50,882	

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F	Preparation of Exploration Proposal (5 Hard copies with a soft copy)	5 Hard copies with a soft copy	5.1	2% of the Cost or Rs. 3.8 Lakhs whichever is lower		1,40,353	
G	Peer review Charges		As per EC decision			30,000	
H	Total Estimated Cost without GST					75,38,877	
I	Provision for GST (18% of H)	%				13,56,998	GST will be reimburse as per actual and as per notified prescribed rate
J	Total Estimated Cost with GST					88,95,875	
K				Rs. In Lakhs		88.96	
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 Certificate 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.						
5	Any item of work not mentioned above shall be added as per SoC.						
6	All the Geological Reports and data are to be uploaded on NGDR as per MERT template by the agency.						

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Annexure 3B										
Time Schedule/ Action Plan for Preliminary exploration (G-3 stage) for limestone in Pedaveedu West Block, Suryapet district, Telangana.										
Sl. No.	Activities	Unit	MONTHS							
			1	2	3	Review	4	5	6	7
1	Tendering									
2	Surface Drilling (1 rig)	m.								
3	Geologist Party days in field (1 Party)	day								
4	Topographic Survey									
5	Sampling Party days, Core Sampling (1 party)	day								
6	Laboratory Studies	Nos.								
7	Geologist Party days in HQ (1 Party)	day								
8	Geological Report Writing with Peer Review	Month								

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