

RUPAPETH BLOCKFOR LIMESTONE EXPLORATION(G3) CHANDRAPUR DISTRICT, MS



Gemcokatixploration Pvt. Ltd PlotNo34, Postationy, Baptagar, Chandrap442401, Maharashtra



SI	Topic	Page No.	
no.			
1	Proposal Format for RupBloodk(Limestone)	1-2	
	under G3 stage of exploration	1-2	
2	Preliminary Project proposal (PPR)	3-10	
3	Detailed Project Proposal (DPR)	11-23	



FOR SUBMITTING PROPOSAL FOR UNDERTAKING PRELIMINARY EXPLORATION Nagpur, dated3004

To
The Director,
Directorate of Geology and Mining,
Plot N27, KhaBijavvan,
Cement Road, Shivaji Nagar,
Nagpu#40010, Maharashtra.

Sir,

I amsubmitting the following details Df of bgrjanting d `of bthe LS tatef Govit. Ufor submitting scheme of reconnaissance to NMET-jursd Dr. Moze h \ Y GW\YaYZcf 9 b [U] Agencies in Mineral Exploration by Ministry of Mines vide 10/105/2021. Mines VID Augus 2021.

Auguse021.							
	1) Name and address of the Applicant						
(a)	Name	GEMCO KATI EXPLORATION PVT.LIMITED					
(b)	Postal address	Plot N34, Bapat Nagar, Chandrapu01,					
		Maharashtra.					
(C)	Telephone No (Office)	0717-2287200					
(d)	Fax No (Office)	07172287200230562					
(e)	Mobile No	+91 7044208900					
(f)	Telephone No (Residence)						
(g)	E-mail address	subrata.sarkar@gemcokati.com					
	2) Detail of Accreditation as Private Exp	ploration Agencies and Notification unde					
	Section 4 (1) of the MMDR Act.						
(a)	Date of accreditation grant&ABETQCI	16 ^h AUfW\Đ&\$&&					
(b)	Date of expiry of accreditation	6 ^h A U f W \ Ð & \$ &)					
(C)	Date of Notification under the proviso	7 th 5 d f] ` Ð & \$ & &					
	(1) of the MMDR Act.						
(d)	Date of expiry of notification Category of the Exploration agency (Ca	6 ^h AUfW∖Ð&\$&)					
(e)	Category of the Exploration agency (Ca	I b X Y f ' WU h Y [c f m ' Ï 5 Đ '					
	B) under Notification						
	3) Location details of the area proposed						
(a)	State	Maharashtra					
(b)	District(s)	Chandrapur					
(C)	Nearby village(s)	Korpana					
(d)	Survey of India (SOI) Toposheet No (s)						
(e)	Area in Sq. Km	7Sq. Km					
(f)	Boundary-ocdinates of the Proposed Blo						
	Decimal Degree)	LONGITUDE LATITUDE					
		(A) 78 54D 40.97 19 43D 48.52					
		(B) 78 55 38.93 19 43 49.87					
		(C) 78 56 19.89 19 420 25.83					
		(D) 78 54D 57.60 19 42D 0- " 8					
		(E) 78 54D 27.20 19 42D 55.60					
	4) Mineral Potential of the area						
T) Willion at 1 Otto Had of the area							



(a)	Name of Mineral(s) identified/expected	Limestone				
	area/block					
(b)	Basis on which minotemitial of the area	D`YUgY'fYZYf'YbW`cg				
	been identified					
(C)	List of documents/references relied up 1-Block area on goggle map.					
	of item					
	(b) above					
	5) Documents to be enclosed with the application					
(i)	Location to proposed block demarcated on Survey of India (SOI) Toposheet (
(ii)	Documents mentioned in items 4 (C) above					

Place-Chandrapur

Dat∉ 3003202

GEMCO KATI

Signature of the applicant



ProposaforPreliminarynvestigation Cement grainestonien Rupapet Block(G3) 7[sq.km], District, Chandrapumharashtra State

COMMODITYIMESTONE

BY

Gemcokatixploration Pvt. Ltd PlotNo34, Postablony, Baptagar, Chandrap442401, Maharashtra

Place: Chandrapur



<u>SummarøftheBlockfor G3tagexploration</u>

	Features	Details
	BlockD	RUPAPETH BLOCK(G3 FORLIMESTONE
	CurrerExploratiAgency	GEMCO KATI EXPLORATION PVT.LTD.
	Previousxploratiagency	GEOLOGICAL SURVEY OF INDIA
	G4stag€eologicReport	Bedded deposit with cemeinnerstadee, propo
	(Previoustag€eologicReport)	for directly to G3
	Commodity	LIMESTONE
	Miner&elt	P-G ValleyPengang@roupLimestone
	CompletiBeriodvitentire Timeschedullecompleteeproject	10Months
	Objectives	1. To delineatthesurface out or blimestoney detailed to logical map (DM) n1:400 Scale
		2. To dritthe limestone tobyréholes) on de grichatter 800mX800m0lygonal meabperMEM0 rule 2015 odecipher its depth peansiste and surfacentinuityes trablishe different zon freighquality limestone.
		3. To estimatthe insitures our confidence in the standard for G3 Stage of exploration (333) and preparation (GR).
		4. Carryoutmineræxploratiomorkss perMineral (Evidencef MineralContents)ในle2015,Minera (Auction) Rயி935 and MMDR Amendമി9115a
		5.In turn to facilitate the Government offor auctioning the lock.
	Whethethe workilbecarried oblythe proposealgency or throughosourcinagnd detailshereof.	
	Components be outsource and name of the outsource agency	Not applicable
	Name/Numb@eoscientists	Tw@eologis2G)
		Surveyor1(0
	Expect&delddays(Geolog&eophysics, Surveyor)	Geologist20days60d a y s H Q Survey6ir45days
1.	Location	
	Latitude	19°209.2Ñ4-Ñ 9°3449.87
	Longitude	78°\$27.2D78 56Ñ 9.89
	Villages	Rupap a & Khakri
	Tehsil/Taluk	Korpana
	District	Chandrapur
	State	Maharashtra
2.	Area(hectare/squar&ilomeers)	
	BlockArea	7Sq.Km.
		, 5 q



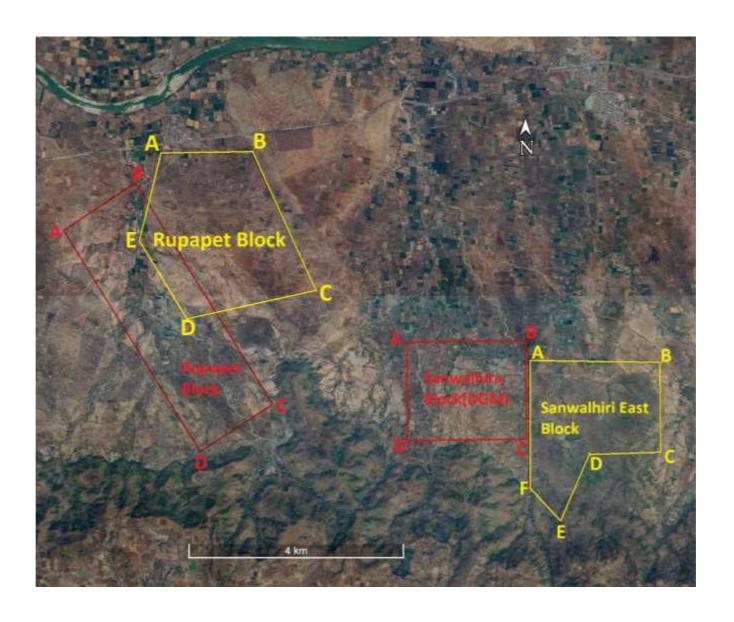
	Fores#rea	Controbato theresisfalling under Dordi Doo			
	roresarea 	Centralipin thereaisfalling under Pardi Rese			
		Forestremaining arts of the area in southern,			
		and northern sides are occupient low the lar			
	GovernmetrathdArea	NA			
	PrivatleandArea	Occupied by both Forest and agricultural la			
3.	J				
	Nearestai⊩ead	Gadchand(B0km)			
	Road	6kmfromAdilabaklorpanHighway,0@neteocal			
		Tar Road			
	Airport	Nagpu(20@m)			
4.	Hydrography				
	LocaSurfacerainageatter(Channels)	The Pengang Rive form the maindrain aging the study			
		area intwhichmanyminostreamsoalescehee is n			
		majodrainagehannebassing through the area			
	Rivers/Streams	Penganga			
5.	Climate	- Friguriga			
<u> </u>	MearAnnuaRainfall	1420 mm			
	Temperatures (December) (Minimur				
	Temperaturkay(Maximum)	49C			
6.	Topography	Almost the entire area is represented by v			
		topography with small, niscolarites covered by			
		agricultural area.			
	Toposheet Number	561/14			
	Morphologfthe Area	Physiographically, the area under ,exphibat			
		region butweveplateausvith low relief. The			
		slopeofthearea's towarklusrth. The westontour			
		theareas 237 mnear khakwihereas hinghestontou			
		is 25 minthe southmiside of the block area			
7	Availabilityfbaselinegeosciencestata	13 20 militine 30 commission of the block area			
	GeologicMap(1:50/25)				
	Ocologicalap 1.3 W/ 2B)	1:50000 Scale Geological Map is anvablabli			
		domaiand watswnloadedr6SIPorta(lBhukosh)			
	Geochemi & Aap	N/a			
	Geophysidalap(Aerogeophysical,	N/a			
	Ground geophysical, Regional ascele				
	scal@Pmaps)				
8.		(A)TheGeologists of the Exploration Wing o			
	exploration	Exploration Pvt Ltdvilsatvæd the area4008h			
		and 18Augus2023 respectively. During			
		few grab samples were rothrauthre blances			
		andanalyzedb(+)46.0%150.4%6CaOLater, in t			
		instance of 63C deliberation held to 22%			
		AUfW\Đ&\$&(ž'h\Y'Uf½\$)			
		A Uf W\aboutshe&tolock boundarystmappeoted			
		avoid catchment area, as per suggesti			
		members.			
		(B)The arean the eaissta potential cement			
		limestone arearrently under explor(\$\mathbb{G} \mathbb{B}) by			
		the Officers of DMSMInder NMET funding			
		THE OTTICES OF PARAMITAGE MATER TALIANDE			



	block name isæstaira.
	(C)It istearnthat the values of limesquoteesteedir DGM,MSis ranging fr(en)n 6% to 500 CaOin adjacenvives,Savalhira Block
	(D)FewCement Factories and dolomite r situated in the vicinity of this block are the potentiality of the area.
	(E)Under the prevailing situation, this block beexplored hee 3norm of UNECe to bedde deposit under bulk confinate within 100 months.
9Documents to be enclosed with the application	1. Block area ongue map. 2Location of the proposeenbarckted on Su of Indi(250)1& Toposheet(56)1/14
	3.Block area on Geological Map.

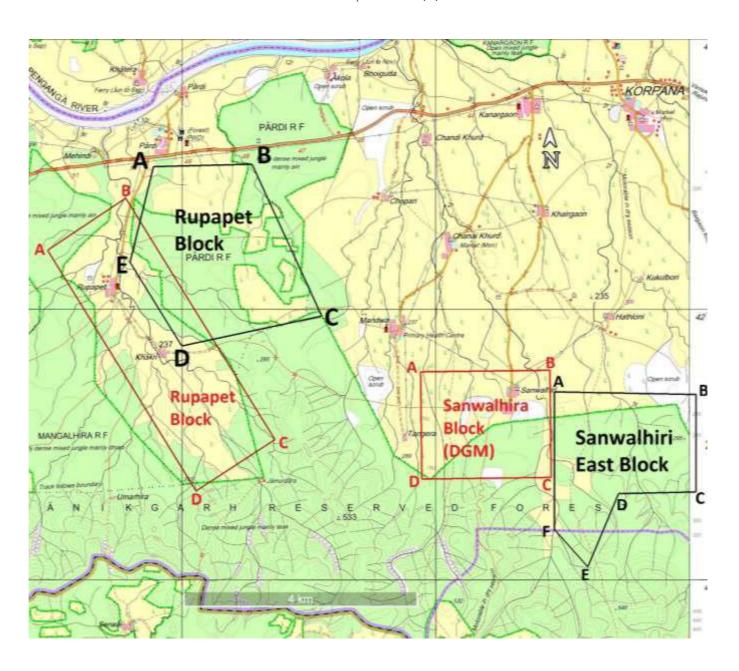


1-Revised boundaryRopapetBlock on goglemap. Toposhee 561/14]



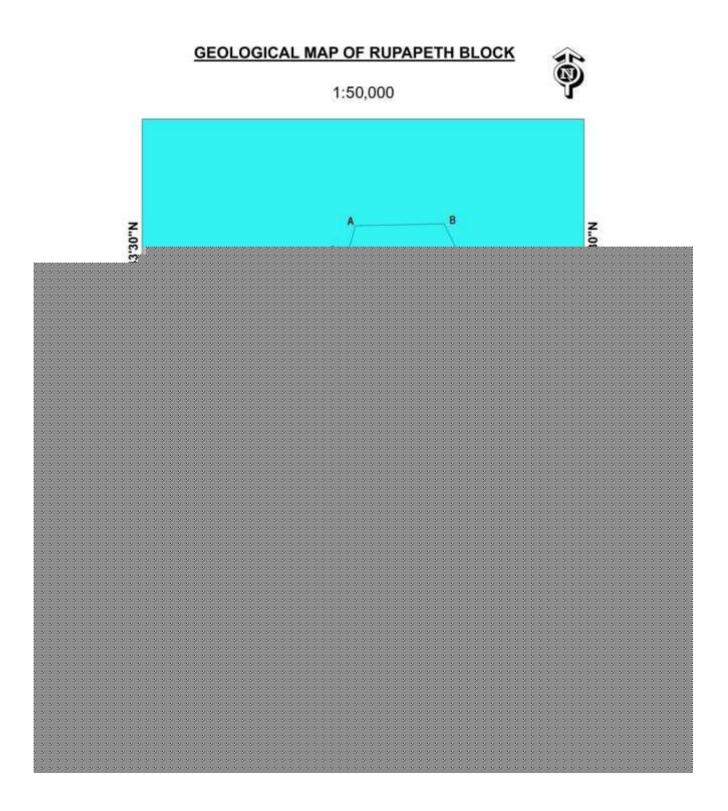


2. Location of the ised boundary Ropfapetblock dearcated on Survey of India (SOI Toposheet(s)/34



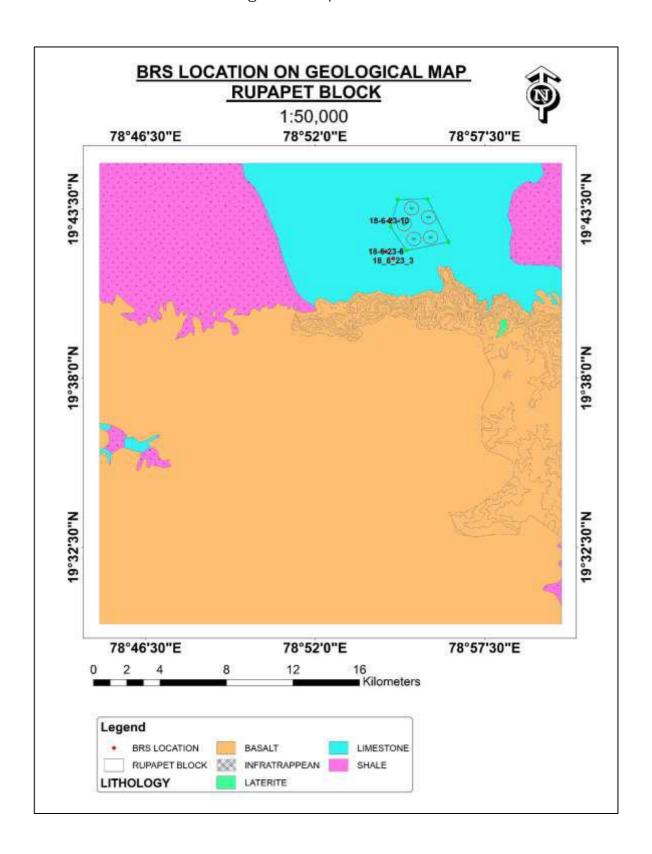


3. Revised boundaryRopapetBlock on Geological Mapposheet. 561/14



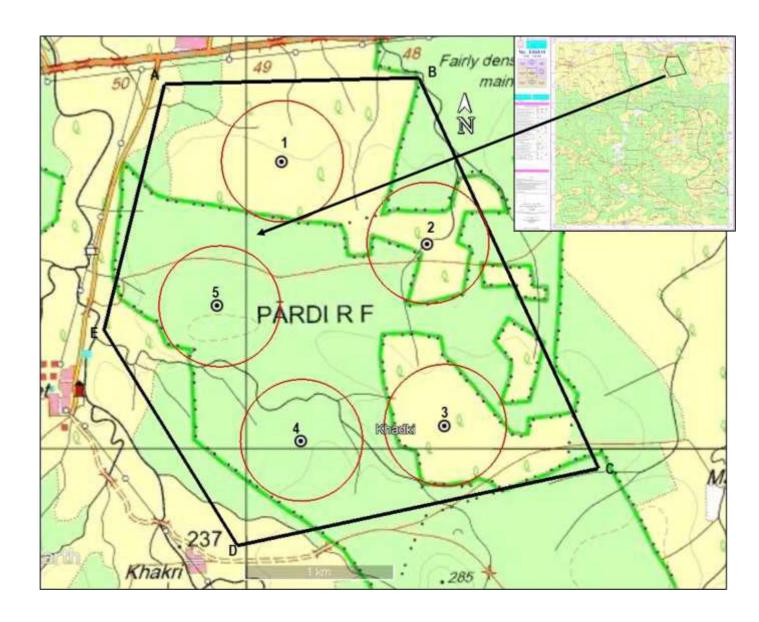


5. Block area on Geological Map





6. Bore Hole Location . Map





Field Photographs







Cost Estimate for Prelimnary Exploration (G-3) for Limestone in Rupapeth Block(G3), Chandrapur, District: Maharashtra, Area 7 sq. km, No.of BH:5, Borehole depth range- 60 m; Schedule timeline- 10 months; [Review: After 6 Months] **Estimated Cost of** Rates as per NMET SoC-Item Rates as Total Amount Qty. Remarks Item of Work * Unit * per SoC * No. * (Rs) (b) (a*b) (a) **Geological Mapping Other Geological Work & Surveying** Geological mapping, (1:4,000 scale) & Trenching, drilling work a. Charges for Geologist per day (Field) for geological mapping & 1.3 11000 150 1650000 day trenching work, drilling work Amount will be reimbursed as per the notified rates by the Central Labour Commissioner or b. Labours Charges; Base rate day 5.7 504 300 151200 respective State Govt. whichever is higher. c. Charges for Geologist per day 1.3 9000 75 675000 day (HQ) d. Charges for one Sampler per day one sampler per 1.5.2 5100 40 204000 (1 Party) day e. Labours (4 Nos) 80640 day 5.7 504 160 Sub Total- A 27,60,840 **Ground Geophysical Survey** В IP. Induced Polarization (I.P) cum Resistivity S.P and Magnetic (30 8-10 Line Km Lkm) Geophysicist party days (Field) per day c. Labours Charges day Geophysicist party days (HQ) per day Sub Total- B Survey work С DGPS Survey for BH fixation & RL Per Point of 1.6.2 19,200 10 192000 determination observation Charges of Surveyor (1 party) for one surveyor per Geophysical survey layout work & 1.6.1a 8,300 45 373500 b day Block boundary demarcation Labours Charges for survey work; 5.7 504 180 90720 day 6,56,220 Sub-Total C D **Trenching/Pitting** a) Excavation of Trenches 3,330 50 | 166500 2.1.1 per cu.m **DRILLING** (after review) Drilling up to 300m (Hard Rock) 2.2.1.1b 6,775 300 2032500 m Borehole deviation Survey by m **Multishot Camera** Land / Crop Compansation (in case 0 5.6 20,000 per BH the BH falls in agricultural Land) Construction of concrete Pillar 2.2.7a 2,000 5 10000 per borehole (12"x12"x30") Borehole plugging by cement 2.2.7b per borehole 150 Transportation of Drill Rig & Truck Km 2.2.8 36 150 5400 To and Fro associated per drill (2 rigs) Monthly Accomodation Charges for month 2.2.9 50,000 1,50,000 3 drilling Camp (up to 2 Rigs) 2,50,000 2.50.000 **Drilling Camp Setting Cost** Nos 2.2.9a 1 **Drilling Camp Winding up Cost** 2.2.9b 2,50,000 1 2,50,000 Nos 2.2.10a 2 22,020 Road Making (Flat Terrain) 44,040 10 Km **Drill Core Preservation** 1,590 250 3,97,500 11 5.3 per m 31,39,440 **Sub Total E** 5 Bhs of 60m **Borehole Geophysical Logging** each G LABORATORY STUDIES **Chemical Analysis** Geochemical Sampling-Surface samples (Bedrock/Channel i) /Soil/Stream sediment) a. Au by Fire Assay Nos b. For Ag, Ni, Co, Cr, Cu, Pb, Zn, V Nos Ti by AAS Method c. For PGE by Fire Assay Nos Surface Check samples (10% ii) External) a. Au by Fire Assay Nos b. For Ag, Ni, Co, Cr, Cu, Pb, Zn, V, Nos Ti by AAS Method c. For PGE Nos

		Rates as per NMET Estimated Cost of		ated Cost of			
			SoC-Item	SoC-Itom Rates as Total Ar		Total Amount	
	Item of Work *	Unit *	No. *	per SoC *	Qty.	(Rs)	Remarks
				(a)	IID)	(a*b)	
	Trench & Check Samples from			()		(4. 2)	
iii)	Trench						
	Trench samples						
	•	Nos					
	h For Ag Ni Co Cr Cu Dh 7n \/						
	Ti by AAS Method	Nos					
	c. For PGE	Nos					
. ,	Trench Check samples (10%						
iv)	External)						
	a. Au by Fire Assay	Nos					
	b. For Ag, Ni, Co, Cr, Cu, Pb, Zn, V,						
	Ti by AAS Method	Nos					
	c. For PGE	Nos					
v)	BH Core samples						
	a. Au by Fire Assay	Nos					
	b. For Ag, Ni, Co, Cr, Cu, Pb, Zn, V,						
	Ti by ICPMS-34 elements	Nos					
		Nos					
vi)	BH Core samples (10%External)						
	a. Au by Fire Assay	Nos					
	h For Ag Ni Co Cr Cu Dh 7n V						
	Ti by AAS Method	Nos					
	c. For PGE	Nos					
	Major Oxide Analysis	1100					
VII)	a) Estimation of major oxides by XRF/whole						
	rock analysis for primary samples (CaO,						
		nor comple	1 1 150	4200	200	11.76.000	20BBC - 200 CC - 50 BTC
		per sample	4.1.15a	4200	280	11,76,000	30BRS+ 200 CS+50 PTS
	MnO, K2O, TiO2, SO3, P2O5, Cr203, ZnO,						
	V2O5)						
	Estimation of major oxides by XRF/whole						
	rock analysis for check samples	per sample	4.1.15a	4200	28	1,17,600	
	·						
	Determination of insitu Bulk Density		4.10	3,540	2	7,080	
2	Physical & Petrological Studies						
	Thysical & Fetrological Studies						
i	Preparation of thin section	Nos					
ii	Study of thin section	Nos					
iii	Preparation of polish section	Nos	4.3.2	1,549	5	7,745	
iv	study of polished section	Nos	4.3.4	4,232	5	21,160	
٧	Digital Photographs	Nos	4.3.7	280	10	2,800	
vi	Whole Rock Analysis	Nos					
vii	Sp. Gravity	Nos					
	SEM Studies	per hour					
viii	EPMA studies	per hour					
						13,32,385	
Н	Total A to G					80,55,385	
							Reimbursement will be made after submission
 	Coolegical Depart Brancustian	5 Hard copies	5.2	F 2 (1/11/11/11/11/11/11/11/11/11/11/11/11/1		4 00 760	
1	Geological Report Preparation	with a soft copy	5.2	5.2 (i/ii/iii/iv)		4,02,769	of the final Geological Report in Hard Copies
							(5 Nos) and the soft copy to NMET.
	Beer werdere Charmes		As per EC			20.000	
J	Peer review Charges		decision			30,000	
				2% of the			EA will be reimbursed after submission of the
	Preparation of Exploration	E Hand assiss		Cost or Rs.			Hard Copies and the soft copy of the final
K	Proposal	5 Hard copies	5.1	5.0 Lakhs		1,61,108	proposal along with Maps and Plan as
	(5 Hard copies with a soft copy)	with a soft copy		whichever is			suggested by the TCC-NMET in its meeting
				less		<u> </u>	while clearing the proposal.
L	Total Estimated Cost without GST					86,49,262	
М	Provision for CST (400/ of 1)						GST will be reimburse as per actual and as per
IVI	Provision for GST (18% of J)				15,56,867	notified prescribed rate	
N	Total Estimated Cost with GST	th GST			1,02,06,129		
	or Say Rs. In 102.06						
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						
3	* *						and Item no. 6 of NMET SoC. In case of
4	Necessary efforts should be made to m	•					
5	Any item of work not mentioned abov			and chrinting	a uui III	is expionation act	1 y 1410 U 9
*				entioned in 4	202 01	<u> </u>	
	SoC Item No, Unit and Rate for each item of work must be as mentioned in the SoC.						