



Detailed Proposal Report (DPR) for Reconnaissance Survey
(G4 Stage) for Bauxite and Associated Minerals in Talpoda area
(10.00 Sq. Km) District – Kheda, Gujarat

Commodity: Bauxite and Associated Mineral

By

Gems Projects Pvt. Ltd.
Regt. Office: 1236 / 2, Lajpat Nagar,
Pundag, Ranchi, Jharkhand - 834004.

Place: Ranchi
Date: 19.03.2026



Ref No – NMEDT/E/022/26
Date- 19.03.2026

To
The Director & HoD
National Mineral Exploration & Development Trust (NMEDT)
Ministry of Mines
Room No. 325&326, Wing- F,
Udyog Bhawan,
Rafi Ahmed Kidwai Marg,
Rajpath Area, Central Secretariat
New Delhi- 110011

Sir,

We are herewith submitting the following details for granting ‘in-principle’ approval by NMEDT on the proposal of reconnaissance or prospecting surveys to NMEDT under the “Scheme for Engagement of Notified Private Exploration Agencies in Mineral Exploration directly through National Mineral Exploration Trust issued by Ministry of Mines vide OM No. 6/3/2015-NMEDT/28 dt-10.05.2022

1. Name and Address of the Applicant: -

(a)	Name of NPEA:	Gems Projects Private Limited
(b)	Name of Authorized Signatory	Deepak Kumar Swain
(c)	Postal address:	Street: 1236/2, Lajpat Nagar, Near Lala Lajpat Rai School Pundag, City: Ranchi, State: Jharkhand - 834004.
(d)	Telephone Number (Office):	
(e)	Fax number (Office):	
(f)	Mobile No:	+91-9431115961, +91- 9934307900
(g)	Telephone Number (Residence):	
(h)	E-mail address:	md@gemsgroup.in

2. Details of Accreditation as Private Exploration Agency and Notification under the provision to Section 4(1) of the MMRD Act

(a)	Date of accreditation granted by QCI-NABET:	18 January 2024
(b)	Date of expiry of accreditation:	17 January 2027
(c)	Date of Notification under the proviso to Section 4(1) of the MMRD	19 January 2024
(d)	Date of expiry of Notification:	17 January 2027
(e)	Category of the exploration Agency (Category A or B) under Notification:	A Category Exploration Agency

3. Location Details of the Area Proposed

(a)	State	Gujarat
(b)	District (s)/ Taluka(s)/ Block(s)	Kheda/Kapadvanj
(c)	Nearby Village (s)	Talpoda, Betawada, Bhungaliya, Muwada, Alwa and Hirapur
(d)	Survey of India (SOI) Toposheet (s) No.	46E/04
(e)	Area in sq. km.	10.00 Sq.Km.



(f)	Boundary coordinates of the proposed block (in Decimal degree)	Sl No.	Latitude	Longitude
		A	23.086827°	73.032053°
		B	23.088558°	73.093689°
		C	23.074755°	73.091682°
		D	23.071131°	73.032836°

4. Mineral Potential of the Area

(a)	Name of Mineral(s) identified/ expected in the	Bauxite and associated mineral																													
(b)	Title of the Project with name of the block	RECONNAISSANCE SURVEY (G4 STAGE) FOR BAUXITE AND ASSOCIATED MINERALS IN TALPODA AREA, DISTRICT - KHEDA, GUJARAT																													
(c)	Stage of Exploration	G4																													
d)	Basis on which mineral potential in the area has been identified	<p>❖ The proposed area is located over Deccan Traps. Several occurrences of Bauxite mineralization have been reported in and around the proposed block area. Here the Bauxite occurs as a pocket deposit associated with ferruginous/aluminous laterite. The proposed block is surrounded by exploration blocks of Bauxite and operating leases. Hence this block may be studied as an extension of already existing mineable deposits. Accordingly, maybe considered for Reconnaissance study for Bauxite mineralization.</p> <p>❖ A field visit to the proposed area was carried out by the geological team of Gems Projects Pvt. Ltd. on 9th February 2026. The ferruginous/aluminous laterite associated with bauxite was observed to be predominantly in Betabeda area. Representative laterite and aluminous laterite samples were collected from the area and analyzed for alumina content. The analytical results are tabulated below: -</p> <table border="1"> <thead> <tr> <th rowspan="2">Sample ID</th> <th colspan="5">Parameter of Test</th> </tr> <tr> <th>Al₂O₃</th> <th>Fe₂O₃</th> <th>SiO₂</th> <th>TiO₂</th> <th>LOI</th> </tr> </thead> <tbody> <tr> <td>BRS/TAL/GPPL - 01</td> <td>30.58</td> <td>35.93</td> <td>11.03</td> <td>1.72</td> <td>18.52</td> </tr> <tr> <td>BRS/TAL/GPPL - 02</td> <td>29.56</td> <td>35.13</td> <td>8.06</td> <td>2.08</td> <td>20.03</td> </tr> <tr> <td>BRS/TAL/GPPL - 03</td> <td>33.13</td> <td>19.16</td> <td>31.04</td> <td>1.41</td> <td>14.13</td> </tr> </tbody> </table>	Sample ID	Parameter of Test					Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	TiO ₂	LOI	BRS/TAL/GPPL - 01	30.58	35.93	11.03	1.72	18.52	BRS/TAL/GPPL - 02	29.56	35.13	8.06	2.08	20.03	BRS/TAL/GPPL - 03	33.13	19.16	31.04	1.41	14.13
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5. Documents to be enclosed with the application

- Location of the proposed block demarcated on Survey of India (SOI) Toposheet No- **46E/04 enclosed as Plate No-Plate II**
- Documents mentioned in item 4(d) above – Project Proposal in Prescribed Format along with its related drawings.

Yours Faithfully

D. K Swain,
Managing Director
Gems Projects Private Limited

Place: - Ranchi

**DETAILED PROPOSAL REPORT (DPR) FOR RECONNAISSANCE SURVEY
(G4 STAGE) FOR BAUXITE AND ASSOCIATED MINERALS IN TALPODA
AREA (10.00 Sq. Km) DISTRICT - KHEDA, GUJARAT**

COMMODITY: - BAUXITE AND ASSOCIATED MINERALS

To

NATIONAL MINERAL EXPLORATION AND DEVELOPMENT TRUST (NMEDT)

Submitted by



Gems Projects Pvt. Ltd. Ranchi

Regt. Office: 1236 / 2, Lajpat Nagar,
Pundag, Ranchi, Jharkhand - 834004

E-mail: md@gemsgroup.in

www.gemsgroup.in

Place: - Ranchi

Date: - 19.03.2026



Summary of the Block for Reconnaissance Survey (G4 Stage)

GENERAL INFORMATION ABOUT THE BLOCK

Features	Details
Block ID	Talpoda Bauxite and Associated Minerals Block
Exploration Agency	Gems Projects Private Limited
Commodity	Bauxite and Associated Minerals
Mineral Belt	Deccan Traps
Completion Period with entire Time schedule to complete the project	10 Months.
Objective	<p>The present exploration programme (G4) has been formulated on the basis of previous regional exploration data available and also on the samples collected by Gems Project team during field visit and their analysis to fulfill the following objective</p> <ul style="list-style-type: none"> ❖ To carry out geological mapping on 1:12500 scale ❖ To demarcate the different rock types exposed in the block and also to decipher the nature of bauxite mineralization. ❖ To collect laterite/Bauxite samples and to analyze them for Al₂O₃, Fe₂O₃, SiO₂, TiO₂ & LOI to know the quality of bauxite, this will help in occurrence of bauxite in the plateau. to decide further course of exploration programme. ❖ To analyze few samples for REE, Ni, Vanadium titanium & Gallium to find out the presence of these REE minerals in the Block. ❖ To estimate reconnaissance Bauxite resources along with accessory elements as per UNFC norms and minerals (Evidence of Mineral Contents) Rules- 2015 at G-4 level.
Whether the work will be carried out by the proposed agency or through outsourcing and details thereof. Components to be outsourced and name of outsource agency	The Geological Mapping, Survey, Drilling, core logging, Sampling and report writing will be carried out by Gems Project Private Limited. Chemical Analysis and Geophysical investigation will be through outsourcing agencies, which are empaneled by NMET through Gems Project Pvt Ltd
Name/Number of Geoscientists	02 Geologist 01 Geophysicist
Expected Field days (Geology) Geological Party Days	Geologist Party days: 240 Days Survey Party days: 90 Days
1. Location	Talpoda, Betawada, Bhungaliya Muwada, Alwa and Hirapur



	Latitude & Longitude	UTM ZONE- Wgs84 45 Zone		
		Sl No.	Northing	Easting
		A	2554489.37	298423.36
		B	2554597.36	304740.89
		C	2553071.35	304515.29
	D	2552749.97	298480.20	
	Village	Talpada, Betawada, Bhungaliya, Muwada, Alwa and Hirapur		
	Tehsil/Taluka	Kapadvanj		
	District	Kheda		
	State	Gujarat		
2.	Area (hectares/square kilometers)	1000ha/10.00Sq.Km.		
	Block Area	10.00 Sq.Km.		
	Forest Area	Data not available		
	Government Land Area	Data not available		
	Private Land Area	Data not available		
3.	Accessibility	The area is about 80 Km East of Ahmedabad town. The National Highway 848K is running passes about 5 to 6 Km South of the proposed area.		
	Nearest Rail Head	Ahmedabad (80 Km.)		
	Road	Talpada, Betawada, Bhungaliya, Muwada, Alwa and Hirapur villages are connected by motorable road which in turn connected to National Highway 848K and connected to Kapadvanj to Dakor town.		
	Airport	Ahmedabad Airport Located at 80 Km		
4.	Hydrography	The surface water in the proposed area occurs in local pond, reservoirs and Varansi Nadi enters from the North and flowing south of proposed area.		
	Local Surface Drainage Pattern (Channels)	The drainage is mostly dendritic		
	Rivers/Streams	Varansi Nadi enters from the North and flowing towards south of proposed area. Several small nala are also draining into Varansi Nadi. Varansi Nadi is a tributary of Mohar Nadi.		
5.	Climate and Rainfall	May is the hottest month. The mean daily maximum and minimum temperatures in this south are 40.7°C and 25.8°C respectively. January is the coldest month with the mean daily minimum at 14.5°C and the mean daily maximum at 27.4°C. The average rainfall in this region is 810 mm.		
	Mean Annual Rainfall	The annual average Rain Fall recorded is 810 mm		
	Temperature (December) (Minimum)	Minimum temperature 14.5°C		
	Temperature (June) (Maximum)	Maximum temperature 40.7°C		
6.	Topography			



	Toposheet Number	46E/04																													
	Morphology of the Area	The area represents a plain topographic terrain sloping from north east to south-west. The highest topographic point in the area is 102 m above MSL, lying just south west of Betawada.																													
7.	Availability of baseline geoscience data																														
	Geological Map (1:50K/25K)	Source: NGDR Portal Scale 1:12500																													
	Geochemical Map	Available																													
	Geophysical Map (Aeromagnetic, ground geophysical, Regional as well as local scale GP maps)	Available																													
8.	Justification for taking up Reconnaissance Survey/Regional Exploration	<p>❖ The proposed area is located over Deccan Traps. Several occurrences of Bauxite mineralization have been reported in and around the proposed block area. Here the Bauxite occurs as a pocket deposit associated with ferruginous/aluminous laterite. The proposed block is surrounded by exploration blocks of Bauxite and operating leases. Hence this block may be studied as an extension of already existing mineable deposits. Accordingly, maybe considered for Reconnaissance study for Bauxite mineralization.</p> <p>❖ A field visit to the proposed area was carried out by the geological team of Gems Projects Pvt. Ltd. on 9th February 2026. The ferruginous/aluminous laterite associated with bauxite was observed to be predominantly in Betaweda area. Representative laterite and aluminous laterite samples were collected from the area and analyzed for alumina content. The analytical results are tabulated below: -</p> <table border="1"> <thead> <tr> <th rowspan="2">Sample ID</th> <th colspan="5">Parameter of Test</th> </tr> <tr> <th>Al₂O₃</th> <th>Fe₂O₃</th> <th>SiO₂</th> <th>TiO₂</th> <th>LOI</th> </tr> </thead> <tbody> <tr> <td>BRS/TAL/GPPL - 01</td> <td>30.58</td> <td>35.93</td> <td>11.03</td> <td>1.72</td> <td>18.52</td> </tr> <tr> <td>BRS/TAL/GPPL - 02</td> <td>29.56</td> <td>35.13</td> <td>8.06</td> <td>2.08</td> <td>20.03</td> </tr> <tr> <td>BRS/TAL/GPPL - 03</td> <td>33.13</td> <td>19.16</td> <td>31.04</td> <td>1.41</td> <td>14.13</td> </tr> </tbody> </table>	Sample ID	Parameter of Test					Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	TiO ₂	LOI	BRS/TAL/GPPL - 01	30.58	35.93	11.03	1.72	18.52	BRS/TAL/GPPL - 02	29.56	35.13	8.06	2.08	20.03	BRS/TAL/GPPL - 03	33.13	19.16	31.04	1.41	14.13
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Talpada Block on Google map

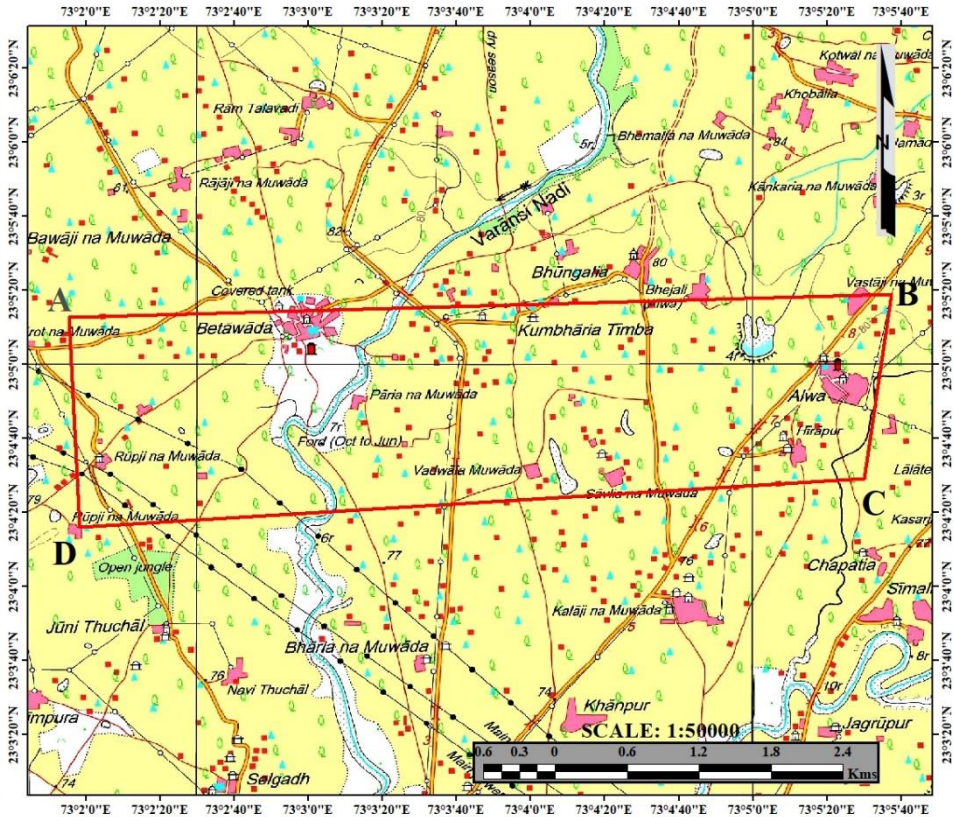
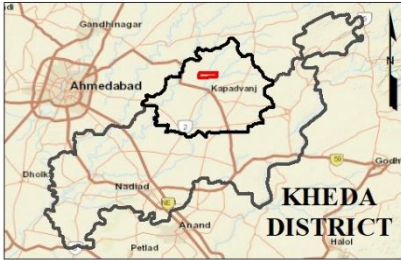


Location of the proposed Talpada block demarcated on survey of India
[Toposheet No. 46E/04]



TALPODA BLOCK ON TOPOSHEET 46E4 ON SOI

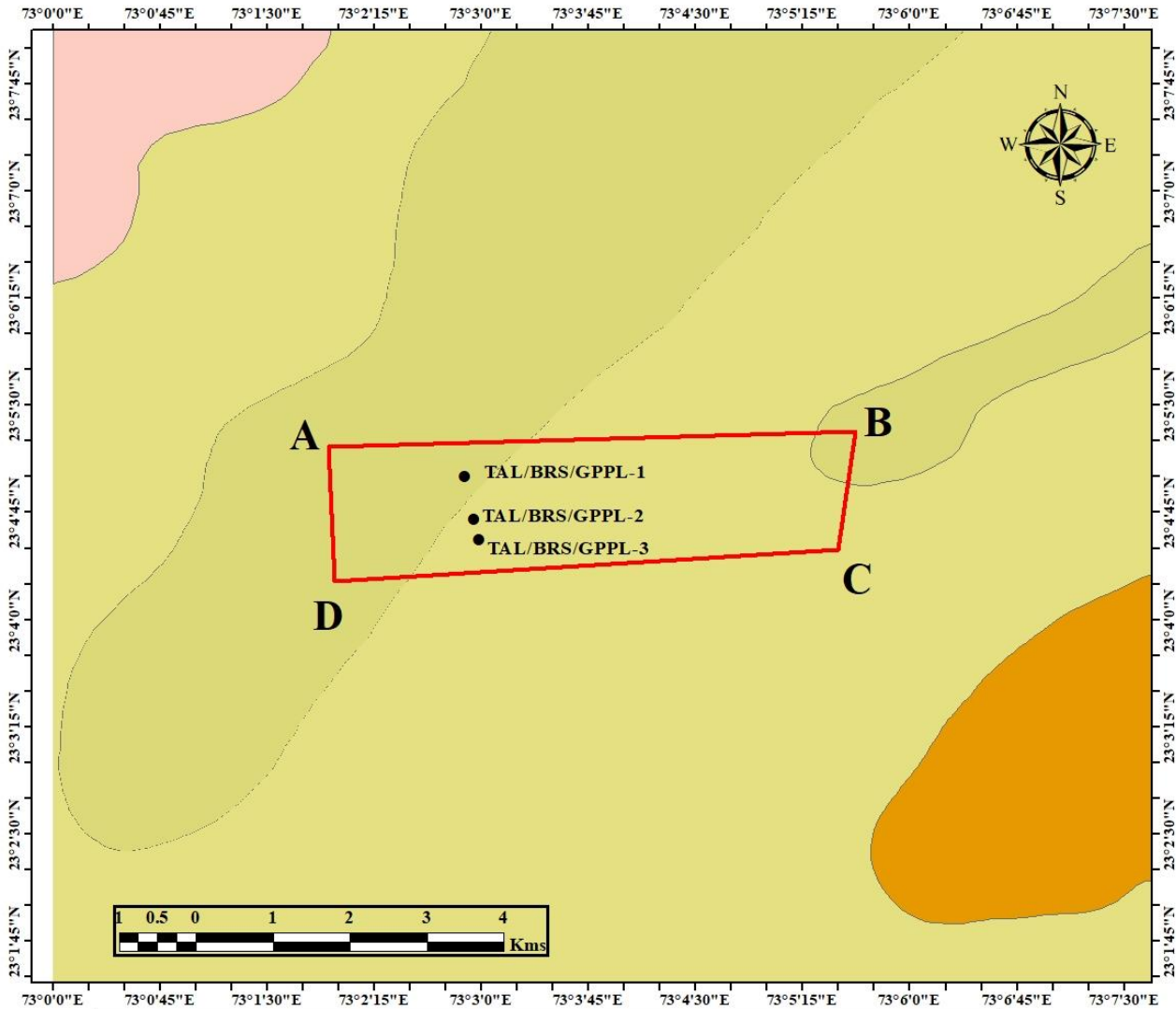
PLATE-II



Talpada area on Geological map [Toposheet No. 46E/04]

Source: NGDR portal

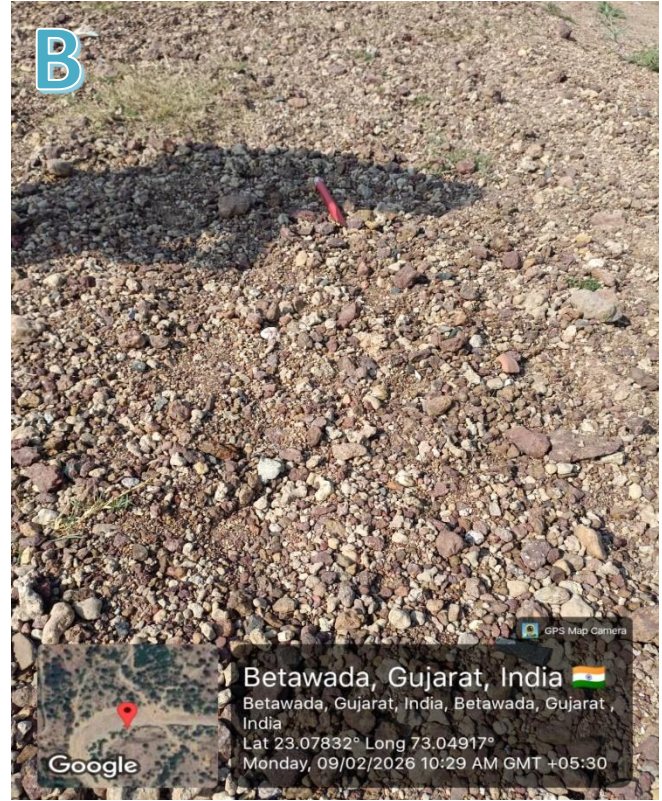
GEOLOGICAL MAP OF TALPODA BLOCK IN 1:50,000

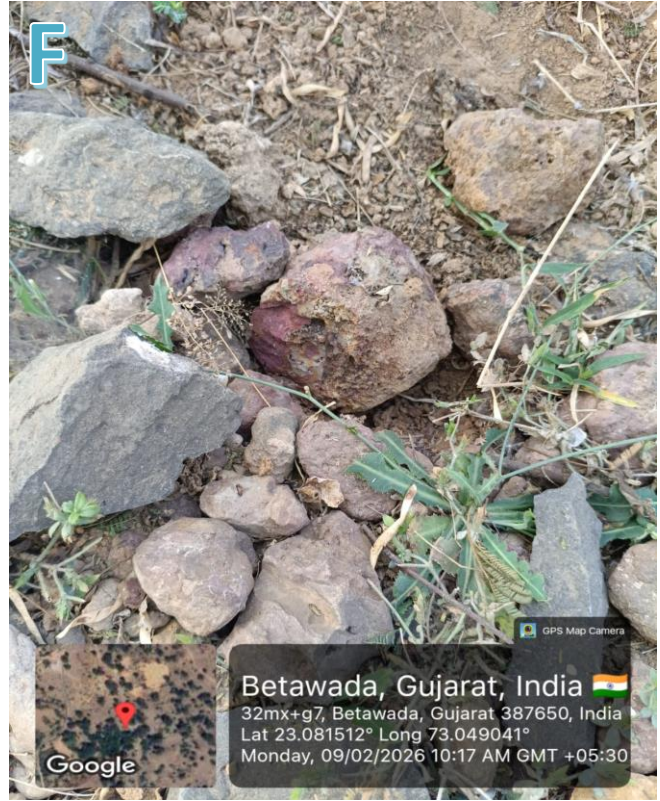


LEGEND	● SAMPLE	
 TALPODA		 SAND, SILT AND CLAY
LITHOLOGY		 LIMESTONE
 CLAY, SILT AND SAND		 SAND AND SILT
 BASALT (UNCLASSIFIED)		

PLATE-III

Field Photographs





List of field photographs

- A. Sample No. - 01 Ferruginous Bauxite
- B. Sample No. - 02 Ferruginous Bauxite
- C. Sample No. - 03 Ferruginous Bauxite
- D. Field Photograph
- E. Field Photograph
- F. Field Photograph

Location of the Block:

The exploration block is covered in Toposheet No. 46E/4 and located in the East of Ahmedabad town, which is the district headquarter of Kheda district of Gujarat. The exploration block is connected with NH 848K. The Bhungaliya - Kapadvanj passes through the block. Part of this Road connects Talpada, Betawada to Kapadvanj. Ahmedabad (80 Km) is the nearby Railway stations. The Nearest airport from the exploration block is Ahmedabad which is 80 Km away in West direction from the block. Co-ordinates of the cardinal points are tabulated below: -

Wgs84	DMS		UTM	
Sl No.	Latitude	Longitude	Northing	Easting
A	23° 5'12.58"	73° 1'55.39"	2554489.37	298423.36
B	23° 5'18.81"	73° 5'37.28"	2554597.36	304740.89
C	23° 4'29.12"	73° 5'30.05"	2553071.35	304515.29
D	23° 4'16.07"	73° 1'58.21"	2552749.97	298480.20

Physiography

The area represents a plain topographic terrain sloping from north east to south-west. The highest topographic point in the area is 102 m above MSL, lying just south west of Betawada.

The surface water in the proposed area occurs in local pond, reservoirs and Varansi Nadi enters from the North and flowing south of proposed area

May is the hottest month. The mean daily maximum and minimum temperatures in this south are 40.7°C and 25.8°C respectively. January is the coldest month with the mean daily minimum at 14.5°C and the mean daily maximum at 27.4°C. The average rainfall in this region is 810 mm.

Previous Work

- A Mukhopadhyay and T. Raja Kumar (1991) carried out Report on systematic geological mapping in parts of Bhavnagar, Sabarkantha, Kheda, Vadodra & Panchmahals Districts, Gujarat. (Toposheet No. 46 C/3 46 E/03,46 F/1,2,6& 46 J/01) **Page: - 14-15**

Regional Geology and Structure of the Area

In the mapped area scanty outcrops of Aravallia, Lametas, Deccan Traps, Tertiary sandstone, limestone, bauxite and laterite are exposed.

The sequence of rock formation in the area is as follows

Geological succession

Age	Rock formation
	Alluvium/soil
	Bauxite and laterite
	Argillaceous limestone
	Calcareous sandstone
Deccan Traps	Basic dykes Basaltic lava flows Pyroclastic rocks
Infratrappean (Lameta)	Cherty limestone and sandstone Quartzite and mica-schist

Objective of the proposed Exploration programme:

The present exploration programme (G4) has been formulated on the basis of previous regional exploration data available and also on the samples collected by Gems Project team during field visit and their analysis to fulfill the following objective

- ❖ To carry out geological mapping on 1:12500 scale.
- ❖ To demarcate the different rock types exposed in the block and also to decipher the nature of bauxite mineralization.
- ❖ To collect laterite/Bauxite samples and to analyze them for Al_2O_3 , Fe_2O_3 , SiO_2 , TiO_2 & LOI to know the quality of bauxite. This will prove the occurrence of bauxite in the plateau and also to decide further course of exploration programme.
- ❖ To analyze few samples for REE, Ni, Vanadium titanium & Gallium to find out the presence of these REE minerals in the Block.
- ❖ To estimate reconnaissance Bauxite resources along with accessory elements as per UNFC norms and minerals (Evidence of Mineral Contents) Rules- 2015 at G-4 level.

Justification:

- ❖ The proposed area is located over Deccan Traps. Several occurrences of Bauxite mineralization have been reported in and around the proposed block area. Here the Bauxite occurs as a pocket deposit associated with ferruginous/aluminous laterite. The proposed block is surrounded by exploration blocks of Bauxite and operating leases. Hence this block may be studied as an extension of already existing mineable deposits. Accordingly, maybe considered for Reconnaissance study for Bauxite mineralization.
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Proposed scheme of Exploration:

The Govt. of India enacted the MMDR Amendment Act-2015 duly introducing the system of auction for allocation of Mineral Concessions. In view of the MMDR Amendment Act-2015, Minerals (Evidence of Mineral Contents) Rule-2015 and Mineral Auction Rule-2015, Ministry of Mines, Government of India has directed State Governments for exploration through NMET funding to facilitate the auctioning of blocks. Accordingly, to expedite mineral exploration and make more blocks available for auction through mining lease or composite license.

Accordingly, being an NPEA Gems Projects Pvt. Ltd. has formulated the following scheme of exploration in order to achieve the objectives. The details of different activities to be carried out are presented in subsequent paragraphs.

Geological mapping:

Geological Mapping will be done in the total area of 10.00 Sq. Km. on 1:12500 scale. Geological mapping to map the lithology of the area by collecting different Rock types, their contact, structural features will be mapped. Surface manifestations of the ore bodies available along with their surface disposition will be marked on geological plan.

Surface/outcrop samplings by collecting samples of various litho-units for quality analysis to identified the occurrence of bauxite and its extension of the ore and presence of REE Ni, Vanadium titanium & Gallium.

Geochemical Sampling**Surface sampling (Bed Rock Samples)**

During the course of Geological mapping the Bed rock shall be collected from the outcrops. A total 40 no's outcrop samples shall be collected, prepared and analyzed for Al₂O₃, Fe₂O₃, SiO₂, TiO₂ & LoI assay. 08 Nos. sample each will be analyzed for REE & Ni and 04 Nos. samples will be analyzed for Vanadium & Gallium. 06 Nos. check sample will also be analyzed for Al₂O₃, Fe₂O₃, SiO₂, TiO₂ & LoI assay.

Surveying:

Survey party will be associated with outcrop sample collection by taking up the points and plotting its location on map for proper interpretation of the sample data. Survey party will also be associated with Geological Mapping. Rock types, their contact, structural features etc. will be observed during Geological mapping and the Litho-contacts will be plotted for finalization of Geological map on 1:12500 scale.

Trenching/Pitting:

Trenching and pitting shall be carried out in the potential zone identified based on the results of geological mapping. A provision of shallow Pitting/trenching of 220 cu.m is kept. Pitting and trenching shall be done for correlation of mineralized zones from the surface up to a depth of 2 mtrs. Location of the pits and trenches on ground will be decided by field geologist based on field observation. A provision of 138 Nos. primary & check trench/pit sample is kept for analysis for Al₂O₃, Fe₂O₃, SiO₂, and TiO₂ & LoI. The pit & trench walls will be mapped on 1:200 scale. Thus 220 cu.m of shallow trenching & pitting work along with associated work is required.

Core Drilling:

Based on the positive outcome of geological mapping, pitting & trenching and geochemical analysis, potential ore zone will be demarcated. To find out the depth persistent and extension of Bauxite ore body, 04 number scout boreholes involving total depth of 80m of drilling (assuming 20m for each borehole) will be carried out. All borehole will be drilled upto lithomarge and will be closed after drilling 2m in lithomargic clay. The drilling work will be taken up based on the result of pitting and trenching.

Drill Core Logging:

The drilling will be done by taking short run to avoid contamination. The drill core in form of powder/ chips/ solid core will be logged for rock types, structural features, texture and structure of laterite and bauxite horizon.

Drill Core Sampling:

Uniform length of one meter core will be sampled in bauxite/ aluminous zone. Sample length may increase or decrease depending upon lithology. This is likely to generate ten nos of sample in each borehole. Thus 40 nos of primary sample will be generated. The numbers of sample (primary 40 +06 check) will be analyzed for Al₂O₃, Fe₂O₃, SiO₂, TiO₂ & LoI assay.



Composite Sample:

To identify the average grade of Bauxite in boreholes, pits & trenches, composite samples will be drawn by clubbing the samples. This is likely to generate 23 nos of composite sample will be analyzed for Cao, MgO, Al₂O₃, SiO₂, Fe₂O₃, SO₃, P₂O₅, Mn₂O₃, TiO₂, K₂O, Na₂O& LoI assay.

Petrological & Mineralogical Studies:

During the course of Geological mapping, 06 samples from various litho-units will be studied for petrography and 06 samples will be studied for mineralogy including the ore mineral assemblages and their distribution.

Whole Rock Analysis:

06 Nos. of samples shall be subjected to whole rock analysis to check the rock type, their variation in chemical composition will be done for SiO₂, Al₂O₃, Fe₂O₃, TiO₂, MnO, CaO, Na₂O, K₂O+H₂O, MgO, P₂O₅, CO₂, S Analysis.

Specific gravity determination:

A total of 03 Nos. of rock sample will be collected for Specific gravity determination. The rock samples will be drawn from the bauxite zone.

Bulk density determination:

It is proposed to dig 3 pits of 1x1x1m dimension for determination of bulk density in field. The pits will be essentially dug on the bauxite.

XRD studies:

From the composite sample, 06 samples shall be subjected for XRD studies for mineral phase identification.

Quantum of Work:

The quantum of work proposed by Gems Projects for Talpoda Bauxite and Associated Minerals Block, District – Kheda, Gujarat G4 stage exploration is given below: -

Proposed Quantum of Works

Sl No.		Particulars	Unit	Proposed Quantity
1		Geological Mapping (on 1:12,500 Scale).	Sq. Km	10.10
		<i>Pitting (30 Nos Pits,2x2x3)</i>	Cum	360
2		Geochemical Sampling		
	i.	<i>Bed Rock Sampling</i>	Nos	25
	ii.	<i>Pitting</i>	Nos	150
	iii.	<i>ICPMS</i>	Nos	10
3		Physical Studies		
	i.	XRD – Studies on Composite sample	Nos	5
4		Petrological Samples (Surface & BH Core samples)		
	A	Preparation of Thin Section	Nos	5
	B	Study of Thin Section	Nos	5
5		Reactive silica	Nos	3
6		Bulk Density	Nos	2
7		Geological Report Preparation	Nos	1
8		Exploration Scheme Preparation	Nos	1

Timeline and Break-up of Expenditure:

Estimated time schedule Detailed Proposal Report (DPR) for Reconnaissance Survey (G4 Stage) for Bauxite and Associated Minerals in Talpada area (10.10 Sq. Km) District - Kheda, Gujarat								
Schedule Timeline - 06 months								
Item of work	Months						REVIEW	REVIEW
	1	2	3	4	5	6		
Camp Setting/Mobilization								
Geologist Days (Field)								
Pitting/Trenching								
Sampling Days								
Laboratory Studies								
Camp winding								
Geologist Days, HQ								
Preparation of Geological report								

Summary of Tentative cost estimate for Reconnaissance Exploration in Talpoda Bauxite and Associated Minerals Block

Sl. No	Item	Total
1	Geological Work	63,07,440
2	Survey	12,30,360
3	Pitting/Trenching	10,39,500
4	Drilling	12,95,200
5	Laboratory Studies	12,42,400
	Sub total	1,11,14,900
6	Report	2,50,000
7	Peer Review	30,000
8	Proposal Preparation	2,22,298
	Total	1,16,17,198
9	GST 18%	20,91,095.64
	Total cost including 18% GST	1,37,08,294
	SAY, in Lakhs	137.08

List of Annexures:

- ❖ Estimated Time Schedule and Details of Tentative cost for Reconnaissance Survey (G4 Stage) for Bauxite and Associated Minerals in Talpoda Area, District - Kheda, Gujarat (**Annexure-A**)

References:

1. Report on systematic geological mapping in parts of Bhavnagar, Sabarkantha, Kheda, Vadodra & Panchmahals Districts, Gujarat. (Toposheet No. 46 C/3 46 E/03,46 F/1,2,6& 46 J/01) During the field seasons 1943 and 1947.

List of Plates:

1. Bauxite Analysis Reports
2. Location Map of Talpoda Bauxite and Associated Minerals Block. (Plate- I)
3. Topographical Map of Talpoda Bauxite and Associated Minerals Block in Toposheet No. 46E/04 Kheda District, Gujarat (Plate- II)
4. Geological Map of Talpoda Bauxite and Associated Minerals Block in Toposheet No. 46E/04 Kheda District, Gujarat (Plate- III)