BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
ESTERN ZONE BENCH: KOLKATA

Original Application No. 54 of 2026

Rajani Kanta Padhy .....**Applicant**

-Vers.-

State of Odisha and others ..... **Respondents**

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Kolkata

Date.25.11.2026

By Respondent No. 10 through,

Advocate

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL ESTERN ZONE BENCH: KOLKATA

Original Application No. 54 of 2026

Rajani Kanta Padhy .....Applicant

-Vers.-

State of Odisha and others ..... Respondents

REPLY AND COUNTER AFFIDAVIT FILED BY RESPONDENT No. 10 (i.e. ODISHA SPACE APPLICATIONS CENTRE).

I, Smt. Shipra Priyadarshini Bal, aged about 29 years, wife of Sri Sarada Prasad Pradhan, now working as the Administrative Officer of Odisha Space Applications Centre, Bhubaneswar, Dist. Khurda, do hereby solemnly affirm and state as follows:

1. That, in response to the allegations made in Para – 1 to 8 of the facts as stated in the Original Application the present Respondent is no way connected. Regarding illegalities in Kharida Sand Bed Mining Project Viz. extracting beyond the permissible limit, using heavy machineries, obstruction of free flow of water, staking sand in the water course, environmental pollution, health hazard, causing loss to public exchequer etc., it is humbly submitted that the

25.11.2026
DEBENDRA PRASAD RAY
NOTARY, CUTTACK, ODISHA
REGN. No.ON-107/2009

actual scenario will prevail after proper direction and/or investigation by this Hon'ble Tribunal.

2. That, in response to the averments made in Para – 9 of the O.A. it is humbly submitted that as on 18th May 2023 ORSAC completed the DGPS survey or pillar posting as per the mining plan and on 2nd July 2026 the revised DGPS survey or pillar posting as per revenue trace map which is provided by Mining Department. Vide Office Letter No. 1311 dated 21.03.2026 the Mining Officer of Berhampur Circle, Ganjam wrote letter to M/s. Zeotek Mining Solutions Pvt. Ltd. to conduct Drone Survey for excess extraction and to submit report thereof. Vide letter No. 16 dated 10.04.2026 the Zeotek submitted the Drone and DGPS survey Data to the present Respondent along with copy to the Respondent No. 3 and others. Thereafter vide letter No. 1723 dated 02.05.2026 the Mining Officer, Berhampur Circle, Ganjam requested the present Respondent for vetting of the said Survey Data submitted by Zeotek.

As the boundaries shown in the DGPS survey map not matching with the drone survey boundary, the present Respondent wrote vide letter No. 2546 (3) dated 25.06.2026 to the Mining

DEBENDRA PRASAD RAY
NOTARY, CUTTACK, ODISHA
REGN. No.ON-107/2009

Officer, Berhampur Circle, Ganjam requesting therein for verification and correction of DGPS Survey Boundary of Kharida Sand Bed along with copy to the Respondent No. 3 and also to the Director, Minor Minerals, Odisha. Immediately the Mining Officer, Berhampur Circle verified the same and submitted the plan and surface plan of Kharida Sand Bed which was received by the present Respondent on 29.06.2026.

After receiving the corrected plan the present Respondent without any further delay immediately formed a team consisting of three members and vide letter No. 2594 (13) dated 30.06.2026 passed office order to proceed on tour and carry out the DGPS survey of Minor Mineral source Kharida Sand Bed. Vide letter No. 3032 (4) dated 31.07.2026 the present Respondent supplied the vetted report of Kharida Sand Bed of Drone survey for excess excavation mining under Hinjilicut Tahasil, Ganjam District. The correspondence letter cited in this paragraph are annexed herewith as Annexure – R-10/1 series. It is not possible to say whether the lessee has been violated the Environmental clearance dtd. 13.12.2024 in condition No. 7.1 as alleged by the applicant. Copy of the Excavation Report is annexed as Annexure- R-10/2 Series.

DEBENDRA PRASAD RAY
NOTARY, CUTTACK, ODISHA
REGN. No.ON-107/2009

3. That, in reply to the submissions made in paragraph – 10 to 27 no comments by the present Respondent as not connected with the same.

4. That, even though it is stated at Sl. No. (ix) of the steps for prevention of illegal sand quarrying/mining of the guideline dated 26.04.2019 issued by the Government of Odisha but it is to submit that there is no letter communication for satelite image regarding Kharida querry either from Revenue Department or from Mining Department.

5. That, in reply to the allegations made in para – 29 to 34 of the O.A. it is humbly submitted that the present Respondent is not concerned with the same.

6. That, in response to the averments made in Para – 35 of the O.A. it is humbly submitted that there is no communication for satellite image regarding Kharida Sand quarry from Regional Office of SPCB, Berhampur.

7. That, in response to the submissions made in Para – 36 to 41 it is humbly submitted that the present Respondent is no way concerned with the same for which no comments to that effect.

DEBENDRA PRASAD RAY
NOTARY, CUTTACK, ODISHA
REGN. No.ON-107/2009

8. That, the present Respondent has not wilfully and deliberately violated its duties and responsibilities and also always ready to co-operate with other departments with proper communication to that effect as and when necessary and abide by the orders of this Hon'ble Tribunal.

9. That, the facts stated above are true to the best of my knowledge and belief and I have not concealed any material facts.

OFFICE OF THE NOTARY
DEBENDRA PR RAY
CUTTACK
Regd.No-ON-107/2009
Valid upto 2029
GOVT. OF ODISHA

Identified by

Advocate 25/XI/2026

Shipra Priyadanshini Bal

Deponent

Administrative Officer
Odisha Space Applications Centre
Bhubaneswar

KOLKATA
Date.25.11.2026

SPECIAL ADHESIVE

Certified that the above named Deponent(s) being Identified by Sri P. K. Nayak, Advocate solemnly affirms and states before me that the contents of this affidavit are all true to the best of ~~their/his/her~~ knowledge

25.11.2026

DEBENDRA PRASAD RAY
NOTARY, CUTTACK

ANNEXURE – R-10/1

OFFICE OF THE MINING OFFICER, MINOR MINERAL BERHAMPUR & CHATRAPUR SUB- DIVISION, BERHAMPUR CIRCLE, GANJAM DISTRICT STEEL AND MINES DEPARTMENT, GOVT. OF ODISHA BERHAMPUR –760011

Email:

No. 1311 / Sairat Dt. 21/04/26

From

The Mining Officer
Berhampur Circle, Ganjam

To

M/s Zeotek Mining Solutions Pvt Ltd.
Bhubaneswar
Email: zeotekmining@gmail.com

Sub: Conduct of Drone Survey for Excess Extraction - Submission of Report.

Sir,

With reference to the subject cited above, you are hereby directed to conduct a drone survey in the following sand quarry taking in to account of the buffer zone in order to assess the quantity of extra extraction of river sand and submit the report at an early date for taking further action at this end.

Source Details:

Source Name: Kharida Sand Bed
Tahasil: Hinjilicut, Ganjam District.
Khata No. 554, Plot No. 4553/1 & 4532/1, Area: 5.261 Ha
Lease Holder: Sri Kiran Kumar Panda
Lease Period: 03.01.2025 to 02.01.2030

This may be treated as **MOST URGENT**.

Yours faithfully,

Mining Officer (I/c), Ganjam

-8-

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Mr. Zinu Sh. Sathua
M.Sc. Applied Geology, SU
RQP/OD/064/2016
Mob-+91-9439553684

Mr. Manas Ranjan Mohanta
M-Tech, IIT(ISM) Dhanbad
RQP/OD/053/2016
Mob-+91-9078233663

ODISHA SPACE APPLICATIONS CENTRE RECEIVED 13 APR 2026 BHUBANESWAR

ZEOTEK
MINING SOLUTIONS PVT LTD.

zeotekmining@gmail.com
Plot no-JC-2, 2nd floor
Jagamara Traffic, Bhubaneswar-751030
CIN : U14200OR2022PTC039339

AEE

Letter no: ZMSPL/ 16 /2026-27

Date: 10/04/26

To

The Chief Executive
ORSAC, Bhubaneswar, Odisha

Sub: Regarding Submission of Drone & DGPS Survey Data for ***Kharida Sand bed of minor mineral sources Located in Ganjam district.***

Ref: office letter no: 1311 dt: 21.03.2026

Madam/Sir

As per the subject cited above hereby, we are submitting the Drone & DGPS Survey Data for for ***Kharida Sand bed of minor mineral sources Located in Ganjam district.*** at ORSAC as per checklist for necessary action at your end for vetting.

ODISHA SPACE APPLICATIONS CENTRE RECEIVED 13 APR 2026 BHUBANESWAR

1832
15/4/2026.

Yours sincerely

ZEOTEK MINING SOLUTIONS PVT. LTD. BHUBANESWAR

For **Zeotek Mining Solutions Pvt Ltd**

1. Copy to The Director of Minor Mineral, Bhubaneswar
2. Copy to The Joint Director Minor Mineral , Bhubaneswar
3. Copy to The Depuly Director Mines, Berhampur
4. Copy to The Mining Officer, Ganjam

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OFFICE OF THE MINING OFFICER,
BERHAMPUR & CHATRAPUR SUB- DIVISION, GANJAM DISTRICT
STEEL AND MINES DEPARTMENT, GOVT. OF ODISHA
BERHAMPUR –760011

Email: mo.ganjam1@gmail.com

No. 1723 / Sairat Dt. 02-05-2026

From

The Mining Officer
Berhampur Circle, Ganjam

To

The Chief Executive
ORSAC, Odisha

ODISHA SPACE APPLICATIONS CENTRE
RECEIVED
04 MAY 2026
BHUBANESWAR

Subject: Request for Vetting of Drone / DGPS Survey Data of Ganjam District Submitted by Zeotek Mining Solutions Pvt Ltd.

Ref: Letter No.46 dated 07.01.2026 from Mining Officer, Ganjam
Letter No.733 dated 07.02.2026 from Mining Officer, Bhanjanagar
Letter No.1311 dated 21.03.2026 from Mining Officer, Ganjam

Sir,

With reference to the subject cited above, it is requested to kindly consider the survey data submitted by M/S Zeotek Mining Solutions Pvt Ltd. empanelled agency of ORSAC, Odisha for excavation assessment within the lease area and up to 50-meter buffer zone from the lease boundary, as per the ORSAC Standard Operating Procedure (SOP).

You are requested to kindly vet the submitted data and take necessary action at your end.

Yours faithfully,

2/5/26
Mining Officer, Ganjam

2196
5/5/2026.

Memo No. 1724 Date: 02-05-2026

Copy submitted to the M/s Zeotek Mining Solutions Pvt Ltd. Bhubaneswar, Odisha for information and necessary action.

2/5/26
Mining Officer, Ganjam

Memo No. 1725 Dt. 02-05-2026

Copy submitted to the Director of Minor Minerals, Odisha, Bhubaneswar for information.

2/5/26

Mining Officer, Ganjam

Memo No. 1726 Dt. 02-05-2026

Copy submitted to the Deputy Director of Mines, Ganjam Circle, Berhampur for information.

2/5/26

Mining Officer, Ganjam

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ODISHA SPACE APPLICATIONS CENTRE (ORSAC)

Department of Science & Technology, Govt of Odisha

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ORSAC/PR/NGT/1335/2026/ 2546(3) Dt.- 25/6/2026.

To,

The Mining Officier
Berhampur Circle, Ganjam

Sub- Request for Verification and Correction of DGPS Survey Boundary of Kharida Sand Bed, Hinjilicut Tahasil.

Ref- Your Letter No. 1723, Dated on 02.05.2026

Sir,

In inviting reference to the letter and subject cited above, the boundaries shown in the DGPS survey map not matching with the drone survey boundary. Due to this discrepancy, there is a variation in the lease area. which may affect the accuracy of the drone survey vetting report.

Therefore, I request your good office to kindly examine the matter and arrange for verification of the DGPS survey data and boundary details.

Thanking you,

Yours Faithfully,

SCIENTIST-D

Copy to: 1) The Director, Minor Minerals, Odisha for kind information.
2)The Deputy Director of mines, Ganjam circle, Berhampur.

Plot No. 45/48(P), Jayadev Vihar, Near Gopabandhu Academy of Administration, Unit-16, Bhubaneswar - 751023, Odisha, India
EPABX: 0674 - 2303625, C.E (D) 0674-2913625, Email: orsac.od@nic.in / orsac@odisha.gov.in / orsac2012@gmail.com, Website : https://orsac.odisha.gov.in

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OFFICE OF THE MINING OFFICER,
BERHAMPUR & CHATRAPUR SUB- DIVISION, GANJAM DISTRICT
STEEL AND MINES DEPARTMENT, GOVT. OF ODISHA
BERHAMPUR –760011

Email: mo.ganjam1@gmail.com

No. 2061 / Sairat Dt. 25/06/26

ODISHA SPACE APPLICATIONS CENTRE
RECEIVED
29 JUN 2026
BHUBANESWAR

From

The Mining Officer
Berhampur Circle, Ganjam

To

The Chief Executive
ORSAC, Odisha

Subject: Submission of Plan and Surface Plan of Kharida Sand Bed, Hinjilicut Tahasil.

Ref: ORSAC/PR/NGT/1335/2026/2546 (3) Date: 25.06.2026

Sir,

With reference to the letter and subject cited above, it has been verified and found that the from new plot having Khata No. 554, Plot No. 4532/1, having an area of 13.00 acres (5.261 hectares) is being added to the lease area.

Therefore, you are requested to carry out DGPS Survey of the above new plot in respect of Kharida Sand Bed under Hinjilicut Tahasil.

Further, you are being requested to carry out Drone Survey for excess extraction of Stone in respect of Banamalipalli Stone Quarry under Polosara Tahasil for the period of 2014-2024. The details land schedule of Banamalipalli Stone Quarry are given bellow;

Source Details:

Source Name: Banamalipalli Stone Quarry
Tahasil: Polasara, Ganjam District.
Khata No. 110, Plot No. 197, Area: 4.969 Hc. 12.205 Acre

You are requested to kindly vet the submitted data and take necessary action at your end.

Yours faithfully,

25/6/26
Mining Officer, Ganjam

3150
29/6/2026

Encl: as above;

Memo No. 2062 Dt. 25/06/26

Copy submitted to the Director of Minor Minerals, Odisha, Bhubaneswar for information.

25/6/26
Mining Officer, Ganjam

Sri A.K. Kanungo, S.D.

29.6.26

ODISHA SPACE APPLICATIONS CENTRE (ORSAC)
Department of Science & Technology, Govt of Odisha

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NO. ORSAC/PR/NGT/1335/2026/ 2594 (13) Dt. 30/6/2026.

OFFICE ORDER

The following Engineers are instructed to proceed on tour from 01.07.2026 to 03.07.2026 as per the programme to carry out the DGPS survey of Minor Mineral source Kharida Sand Bed, Hinjlicut Tahasil , Ganjam District. The team members are advised to contact the Mining Officer (Minor Mineral) of the concerned district for smooth conducting of survey work. Mr Anil kumar Kanungo, Sc-D will have discussion with Minning officer Ganjam regarding NGT inquery of Bhimpur Sand Bed & Joint Inquery of Banamalipalli Stone querry.

Team Members

1.Sri Anil Kumar Kanungo, Sc-D

1. Sri Nakul Naik Sr E.A (S)

2. Sri Satish Prasad Sarangi, Sr E.A (S)

Two hired vehicle is being provided for conducting the survey work .

SCIENTIST "D"
(Anil Kumar Kanungo)

Copy to:

1) Persons Concerned/ Administrative Section / A.O / Account Section / T.A Bill Section / Sri A.K Kanungo, Sc.D/ Sri A.K Attabudhi, AEE/ PRO/Vehicle Section for Information.
2) The District Magistrate Ganjam for kind information.
3) The DDM Ganjam (Minor Mineral) for kind information.
4) The Mining officer Ganjam (Minor Mineral) for kind information & necessary action.
5) Copy to Ppt Sahid Nagar, Bhubaneswar for information.

X3

ODISHA SPACE APPLICATIONS CENTRE (ORSAC)

Department of Science & Technology, Govt of Odisha

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ORSAC/PR/NGT/1335/2026/ 3032 Dt.- 31/7/2026.

To,

The Mining Officier
Berhampur Circle, Ganjam
E-mail: mo.ganjam1@gmail.com

Sub- Supply of vetted report of kharida sand bed of Drone survey for excess excavation mining.

Ref- Your Letter No. 1723, Dated on 02.05.2026

Sir,

In inviting reference to the letter and subject cited above, please find enclosed herewith the Drone survey output reports in respect of kharida sand bed under Hinjilicut Tahasil, Ganjam District.

Thanking you,

Enc: - 1 no's report.

Yours Faithfully,

SCIENTIST-D

TRUE COPY

Administrative Officer
Odisha Space Applications Centre
Bhubaneswar

Copy to: 1) The Director, Minor Minerals, Odisha for kind information.
2)The Deputy Director of mines, Ganjam circle, Berhampur.
3) M/s Zeotek Mining Solutions Pvt. Ltd., Bhubaneswar.

True copy attested
Rayan
Adv

EXCAVATION REPORT

(Use of UAV/Drone, DGPS & other image data processing techniques adopted)

Of

KHARIDA SAND BED

(Date of survey:06.04.2026)

In village Kharida, under Hinjilicut Tahasil of Ganjam District, Odisha

Report Prepared by

ZEOTEK
MINING SOLUTIONS PVT LTD.

ISO 9001:2015 ISO/IEC27001:2013

(ORSAC Empanelled Agency)

Jagamara, Bhubaneswar-751030

*Contact-**9439553684, 9078233663***

zeotekmining@gmail.com

JULY 2026

CONTENTS

POINT NO.	DESCRIPTION	PAGE
1	INTRODUCTION	1
2	GENERAL DETAILS	1-2
3	METHODS ADOPTED FOR REPORT PREPARATION	2-4
4	EXCAVATED VOLUME	4
5	CONCLUSION	4

LIST OF ANNEXURE

DESCRIPTION	ANNEXURE NO.
Copy of letter for survey Report from DDM	I

LIST OF PLATES

Plate No	Description	Scale (R F)
I	ORSAC map/Lease Map	1: 1980/32"=1mile
II	Ortho Contour Map	1: 1500
III	DEM Map	1 : 1500

To conduct the field survey, the lease area pillars were identified based on certified DGPS map. The DGPS survey data was submitted to the Survey of I subsequently provided a fixed reference point/base point. Using this fixed ba Control Point (GCP) were obtained/surveyed in the field as per the SOP. Af survey the multiple way point images with GCPs got from the field are being n image processing software to generate the Ortho, DTM, DSM and point clou the surface scenario within the lease area and around. Parameters appro mining plan has been followed for preparation of the survey report & assessr resource. Few technical changes might have been made when and where per the present-day amendments of OMMCR & MoEF guidelines.

2. General Details

Particulars of the area (Acreage, Boundary description & Land schedule):

- ***Area coverage:***

The quarry lease area comprises of **13.00 acres/5.261 hectares** as per mi record and **13.00 acres/5.26 hectares** as per ORSAC map.

- ***Boundary Description:***

Table- 01 (Co-ordinates of lease boundary as per ORSAC certified DGPS

POINT_ID	EASTING	NORTHING
1	266748.568	2157786.245
2	266859.266	2157785.592
3	266854.63	2157659.174
4	266856.769	2157631.348
5	266856.113	2157582.609
6	266830.315	2157509.784
7	266790.954	2157409.143
8	266763.607	2157366.279
9	266631.258	2157378.944
10	266731.431	2157594.323

14	266744.169	2157680.717

- ***Land Schedule:***

As given by the competent authority:

Table- 02 (Land Schedule)

Village	Khata No	Plot No.	Area as per Mining Office Record (In Acre)	Kisam
Kharida	554	4532/1	13.00	Nadi

3. Methods adopted for report preparation: -

A. Data Acquisition

i. Ground Control Points (GCPs)

- Base established by static triangulation method synchronized with C Survey of India and processed value obtained from Survey of India.
- GCPs precisely surveyed using DGPS through RTK method taking refe from the established base.
- The list of GCPs is given below:

Point ID	Easting	Northing	Elevation
Base	266580.421	2157458.458	22.658
GCP1	266660.956	2157480.192	18.498
GCP2	266585.84	2157551.847	19.223
GCP3	266595.276	2157622.434	17.527
GCP4	266554.242	2157697.864	16.563

ii. Drone Survey

- Mission pre-planned Geotagged high-resolution images (typically 2 GSD) are captured over the lease area and buffer zone.
- Flight plans ensure 70–80% forward overlap and 70-80% side overl effective photogrammetry.

- GCPs are manually marked across multiple images to enhance mo
- Output includes:
    - **Orthomosaic**: Georeferenced map.
    - **Digital Elevation Model (DEM) / Digital Surface Model (DSM**
    - **3D Point Cloud**: Dense, spatially accurate representation o

ii. Point Cloud Analysis

- Surface features and topography are extracted.
- Elevation data is used to define terrain morphology and existing lan

C. *Resource Volume Estimation: -*

i. Consideration of Area

- The lease area is considered as mentioned in the case record.
- For excavated volume estimation, only the disturbed/active are considered without considering safety zone.

ii. Consideration of Depth

- The targeted area represents highest altitude of 20.5m and lowest a but the excavation has gone up to a depth of 16.5 mRL.

iii. Methodology for Volume Calculation

- The collected data was processed and imported into GIS softw mapper for volumetric analysis.
- Sand beds surface naturally possesses almost flat sand Surfaces, as the very mild surficial elevation difference, so the surface area method h adopted for estimation of extracted Sand volume i.e. multiplying the area of Sand Quarry with the average Sand bed thickness of same a obtain the volume of sand in Cu.m.
- The depth of sand quarry has been considered up to the visible water su of each quarry.

- As per the field survey within & outside the lease area, the thickness of the Sand bed found to be 1m to 1.5m from the water surface.
- Sand extracted area in the field found in both within the lease area as well as outside the lease area, there are several numbers of quarry pits present both inside and outside the lease. Hence for more clarity, assessment of extracted volume has been calculated pit wise both inside and outside the lease in separate tables.
- After obtaining the drone surveyed Orthoimage, the lease boundary (as per the co-ordinate in the approved Mining plan) has been super imposed on the map. From the Digital Elevation Model of the Orthoimage, contour elevation details have been extracted.

4. Extracted Sand volume is as follows;

As per the above description this can be classified in two parts

Volume of extracted inside the lease area.

Table- 03 (Volume extracted inside the lease area)

QUARRY_PIT	AREA	THICKNESS	VOLUME
PIT-1	803.6	1.5	1205.4
PIT-2	3464.2	1	3464.2
PIT-3	219	1	219
TOTAL			**4888.6**

Volume of extracted outside the lease area.

Table- 04 (Volume extracted outside the lease area)

QUARRY_PIT	AREA	THICKNESS	VOLUME
PIT-4	2204.3	1	2204.3
PIT-5	54.7	1	54.7
TOTAL			**2258.9**

5. Conclusion: -

Based on the applied methodology for volumetric assessment, the estimated volume of extracted sand as per present day survey is **4888.6** Cum inside the lease area and **2258.9 Cum** outside the lease area.

Shipra Priyadarshini Bal
Administrative Officer
Odisha Space Applications Centre
Bhubaneswar

ZEOTEK MINING SOLUTIONS PVT. LTD. BHUBANESWAR

OFFICE OF THE MINING OFFICER, MINOR MINERAL
BERHAMPUR & CHATRAPUR SUB- DIVISION,
BERHAMPUR CIRCLE, GANJAM DISTRICT
STEEL AND MINES DEPARTMENT, GOVT. OF ODISHA
BERHAMPUR –760011

Email: mo.ganjam1@gmail.com

No. 1311 / Sairat Dt. 21/03/26

From

The Mining Officer
Berhampur Circle, Ganjam

To

M/s Zeotek Mining Solutions Pvt Ltd.
Bhubaneswar
Email: zeotekmining@gmail.com

Sub: Conduct of Drone Survey for Excess Extraction – Submission of Report.

Sir,

With reference to the subject cited above, you are hereby directed to conduct a drone survey in the following sand quarry taking in to account of the buffer zone in order to assess the quantity of extra extraction of river sand and submit the report at an early date for taking further action at this end.

Source Details:

Source Name: Kharida Sand Bed
Tahasil: Hinjilicut, Ganjam District.
Khata No. 554, Plot No. 4553/1 & 4532/1, Area: 5.261 Ha
Lease Holder: Sri Kiran Kumar Panda
Lease Period: 03.01.2025 to 02.01.2030

This may be treated as **MOST URGENT**.

Yours faithfully,

21.03.26

Mining Officer (I/c), Ganjam

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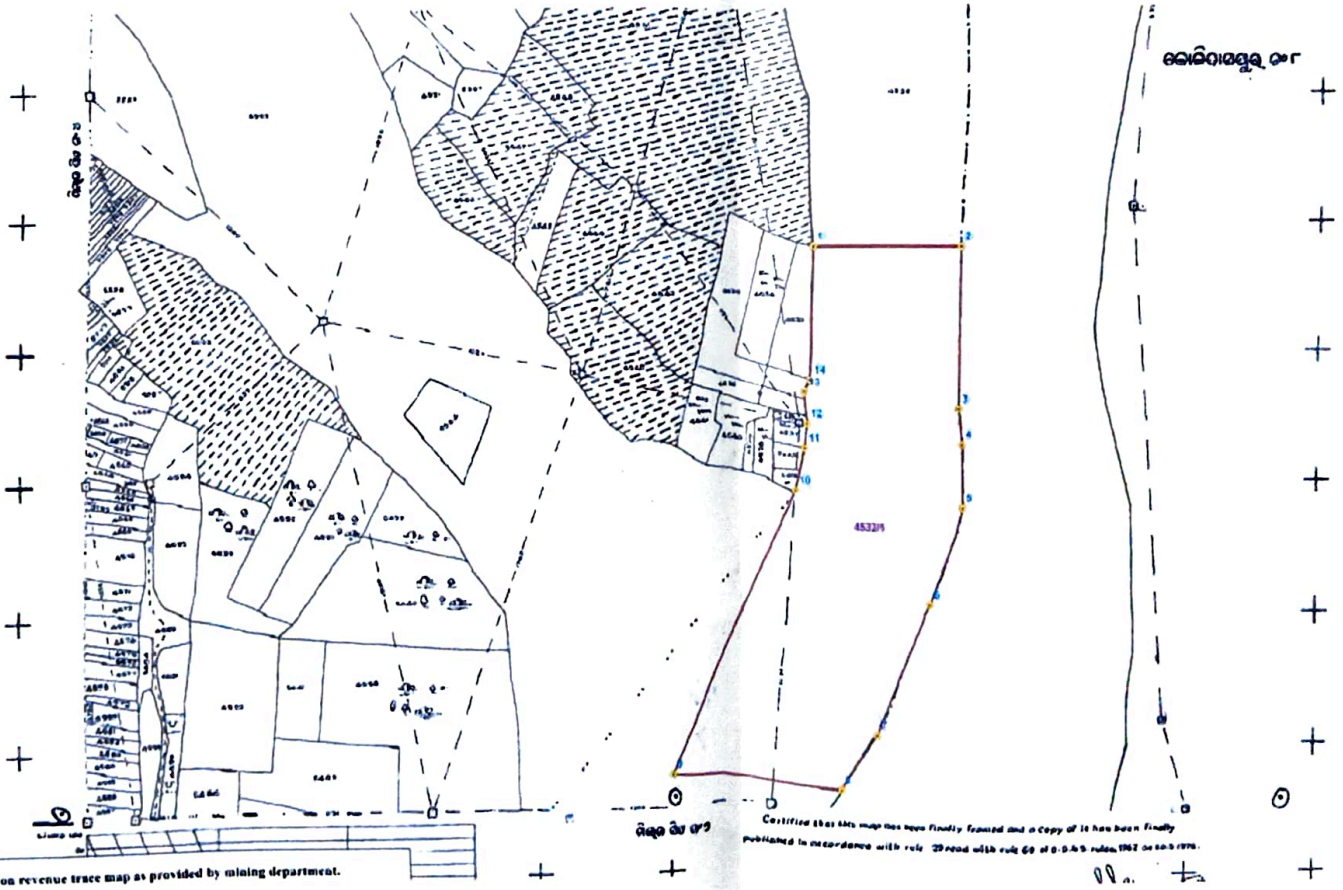
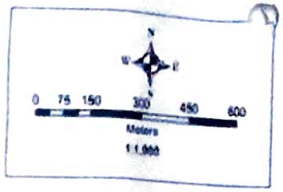
DGPS SURVEYED MAP SHOWING SAND QUARRY AREA IN VILLAGE KHARIDA UNDER HINJILICUT TAHASIL OF GANJAM DISTRICT, ODISHA .



Certified that this map has been finally framed and a copy of it has been finally published in accordance with rule 29 read with rule 60 of O.D.S.S. rules, 1962 as on 5.5.1976.



LEGEND

PILLAR CO-ORDINATES

QUARRY BOUNDARY

DGPS SURVEYED PILLAR CO-ORDINATES

POINT_ID	EASTING	NORTHING	LATITUDE	LONGITUDE
1	266748.568	2157786.386	19°30'03.99132"	84°46'39.30620"
2	266859.266	2157785.502	19°30'04.01688"	84°46'42.90132"
3	266854.63	2157659.174	19°29'50.90498"	84°46'42.79872"
4	266856.760	2157631.348	19°29'50.00136"	84°46'42.88440"
5	266856.138	2157562.609	19°29'57.41664"	84°46'42.88440"
6	266830.315	2157509.784	19°29'55.03848"	84°46'42.03156"
7	266790.954	2157469.143	19°29'51.74988"	84°46'40.72692"
8	266763.607	2157366.279	19°29'50.34480"	84°46'39.80820"
9	266631.258	2157378.944	19°29'50.79084"	84°46'35.26536"
10	266731.431	2157504.323	19°29'57.74496"	84°46'38.60800"
11	266739.413	2157627.087	19°29'58.81344"	84°46'38.86320"
12	266741.464	2157646.432	19°29'59.44524"	84°46'38.92476"
13	266740	2157671.489	19°30'00.25704"	84°46'38.86356"
14	266744.169	2157680.717	19°30'00.55908"	84°46'39.00216"

DGPS SURVEYED SOUECE AREA

SL. NO.	PLOT_NO	AREA_AC	AREA_HA	SOURCE NAME
1	4532/1	13.00	5.26	KHARIDA SAND

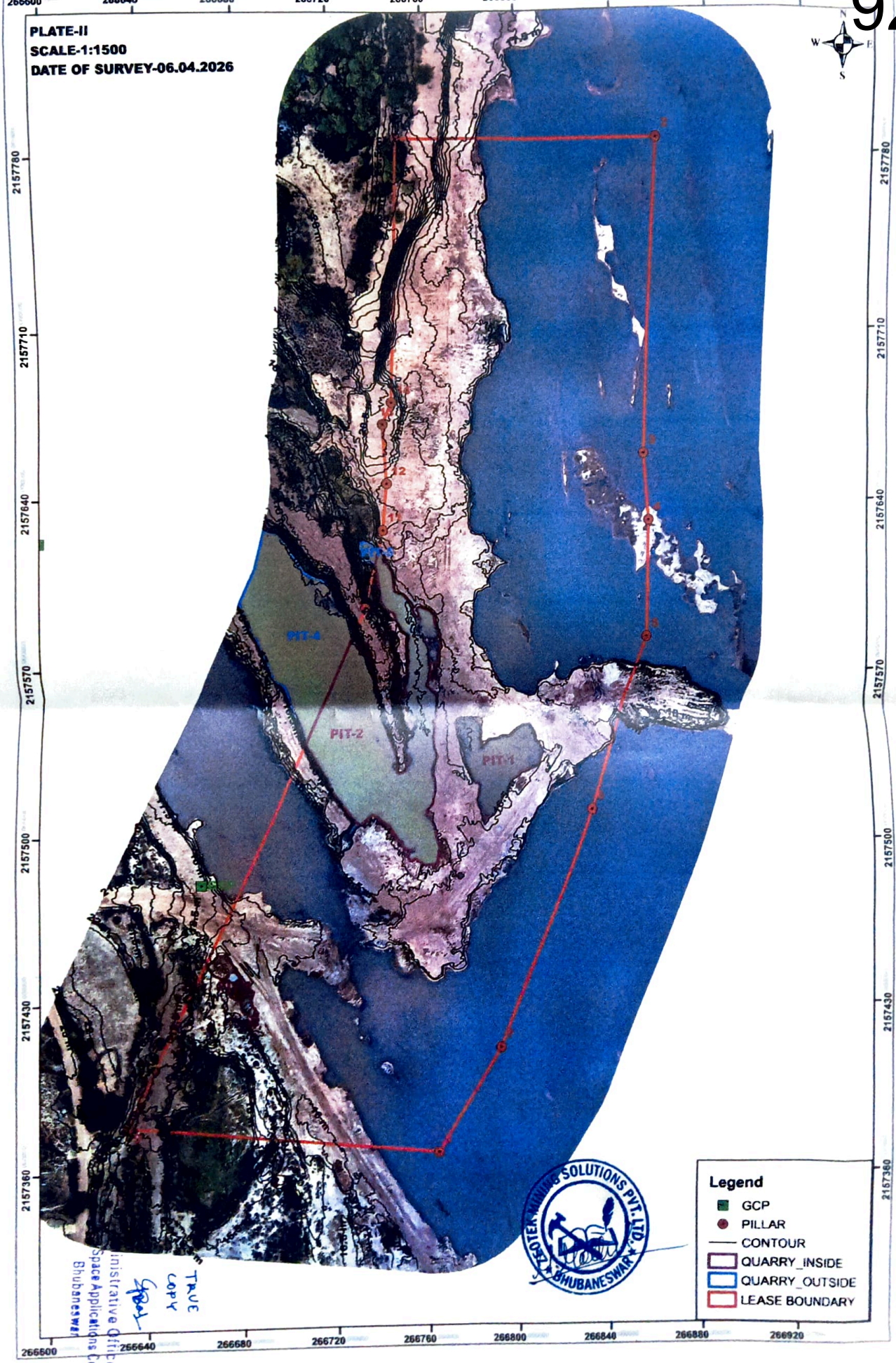
TRUE COPY

Administrative Officer
Odisha Space Applications Centre
Bhubaneswar

Disclaimer :DGPS Surveyed is undertaken bases on revenue trace map as provided by mining department.

ORTHO-CONTOUR MAP OF KHARIDA SAND BED

PLATE-II
SCALE-1:1500
DATE OF SURVEY-06.04.2026



GEOTECH MINING SOLUTIONS PVT. LTD. BHUBANESWAR

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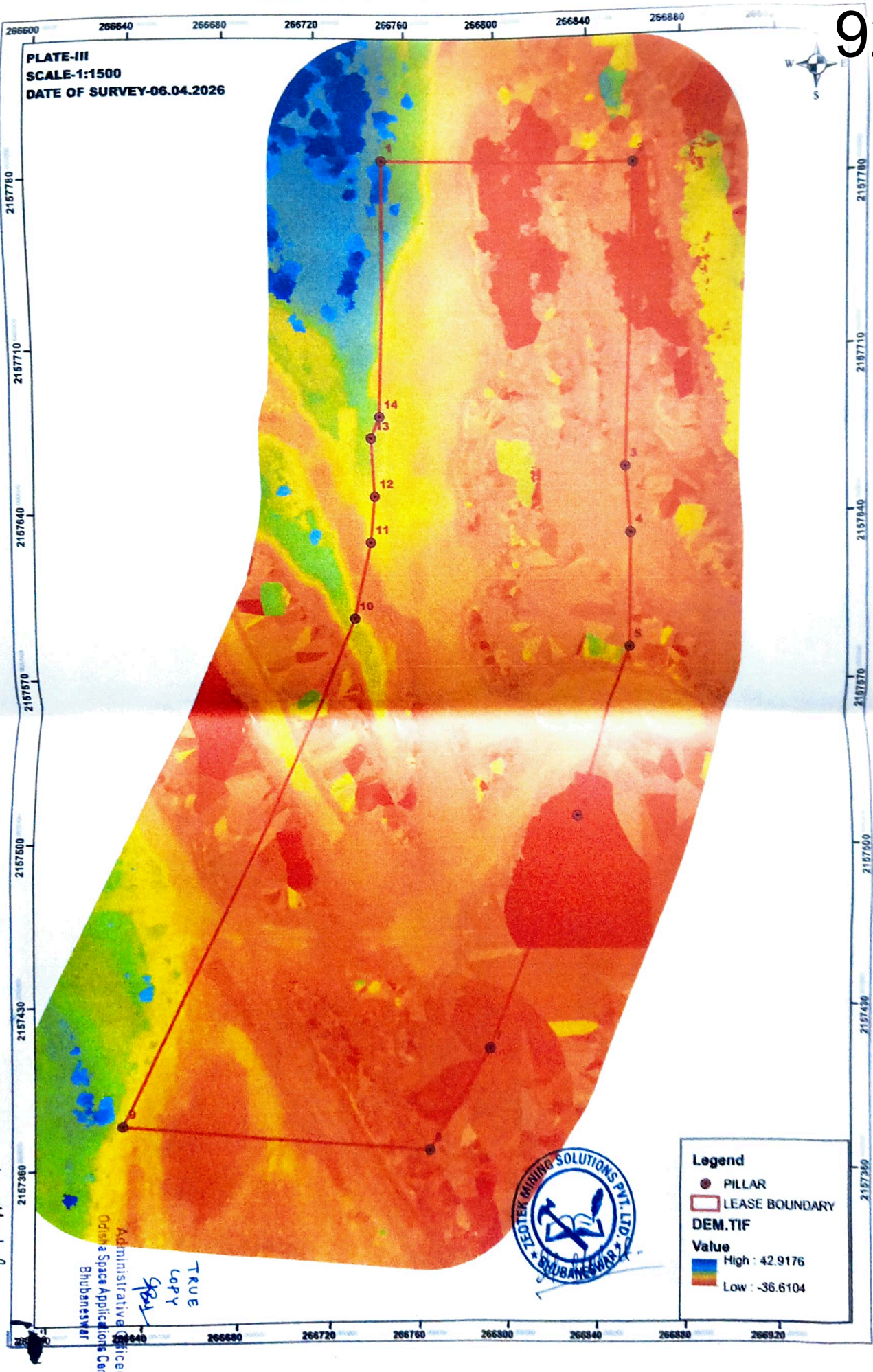
Space Applications Centre
Bhubaneswar

DEM MAP OF KHARIDA SAND BED

929

PLATE-III
SCALE-1:1500
DATE OF SURVEY-06.04.2026



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Administrative Officer
Odisha Space Applications Centre
Bhubaneswar

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