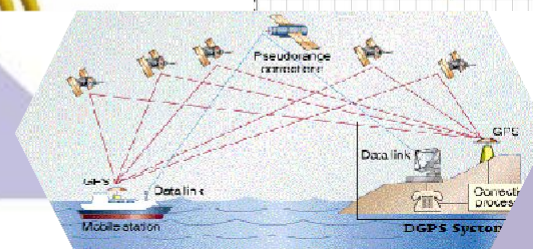
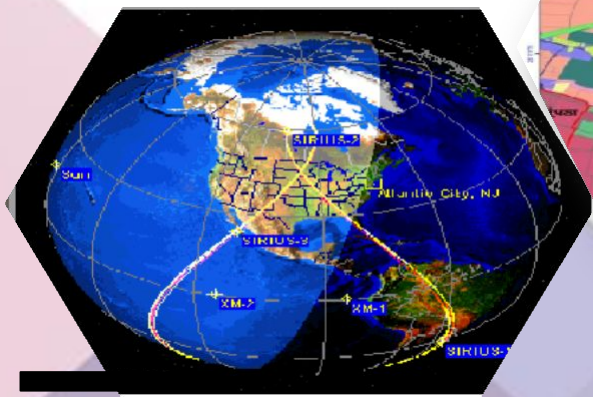
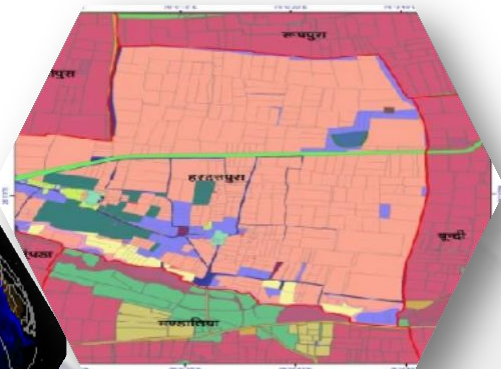


SURVEY RE-SURVEY WORK UNDER DILRMP IN THE STATE OF RAJASHTHAN

SETTLEMENT DEPARTMENT RAJASHTHAN



RAJASTHAN AT A GLANCE

- Total number of Districts: **41**
- Total number of Tehsils: **426**
- Total number of Villages : **48595**
- Area of the State: **342239 sq km**
- Area of the State in Phase 1 of Survey Resurvey: **132119 sq.km.**
- Area of the State in Phase II of Survey Resurvey: **210120 sq.km.**
- Total Khata Number: **1.03 Cr**
- Total Land Parcels (Khasra): **4.51 Cr**
- Total Digitized villages: **47264**
- Total Digitized Map sheets: **1.35 Lakh**
- Total Geo-referenced Villages: **47070**
- Total UPLIN Generated: **4.38 Cr.**

Survey – Resurvey Project in Rajasthan

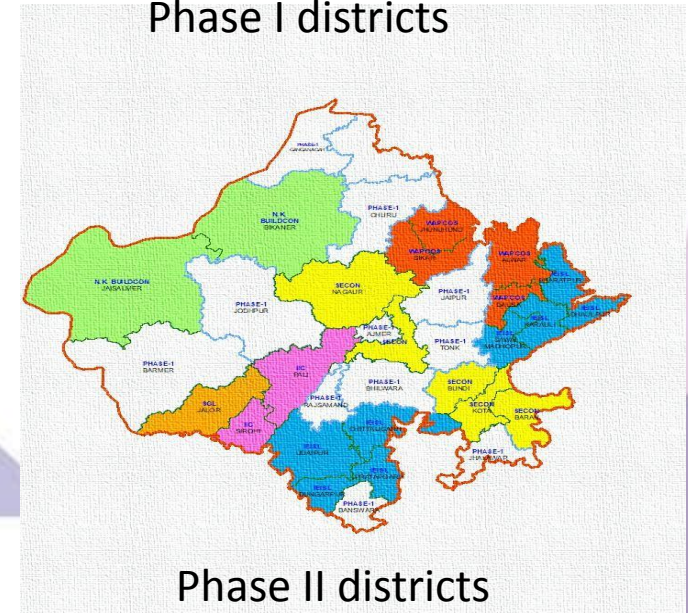
- Initial sanction given by DoLR, GoI in 2016 – **11 out of 33 Districts (Phase - I)**
- Work order given to 5 executing agencies – **2017**
- Methodology adopted by the State – **High Resolution Satellite Imagery (HRSI) with DGPS**
- Resolution of the HRSI – 40cm
- Satellite data provider – NRSC, Hyderabad, ISRO – from the year : 2017 – 18
- Per Sq. KM rate for Survey Resurvey operation approved from – Rs. 10200 to 18000 per Sq. KM.
- Approved rate of GoI – Rs. 25500 per Sq. KM.
- Total Milestones / Steps in the Survey work – 12
- Guideline issued for Survey Resurvey work – July, 2021
- Mode of Survey Operation - Company Survey team + Revenue Staff
- Due to lack of staff in Settlement Department, revenue staff (Patwari, ILR, Tehsildar and SDO) have been given powers for Settlement Operations
- Mode of verification – Revenue Officials
- Work order given for II-Phase Districts – 2021-22

Status of Survey – Resurvey Project in Rajasthan

- Establishment of Ground Control Point (GCP) Network – Completed for Phase – I and partially for Phase-II districts
- The draft land parcel map based on Satellite Imagery prepared – for all the villages of Phase I districts
- Final record (New RoR and New Maps) – Completed in 4 tehsils
- Survey work in operation at present – 46 tehsils
- Expected date of completion of 46 tehsils – July 2025
- Expected date of Completion of remaining tehsils of Phase-I districts – March, 2026
- Bid for procurement of HRSI for Phase II districts floated – April, 2025
- Bid for procurement of 78 rovers for Revenue Officials under DILRMP incentive schemes floated – April, 2025

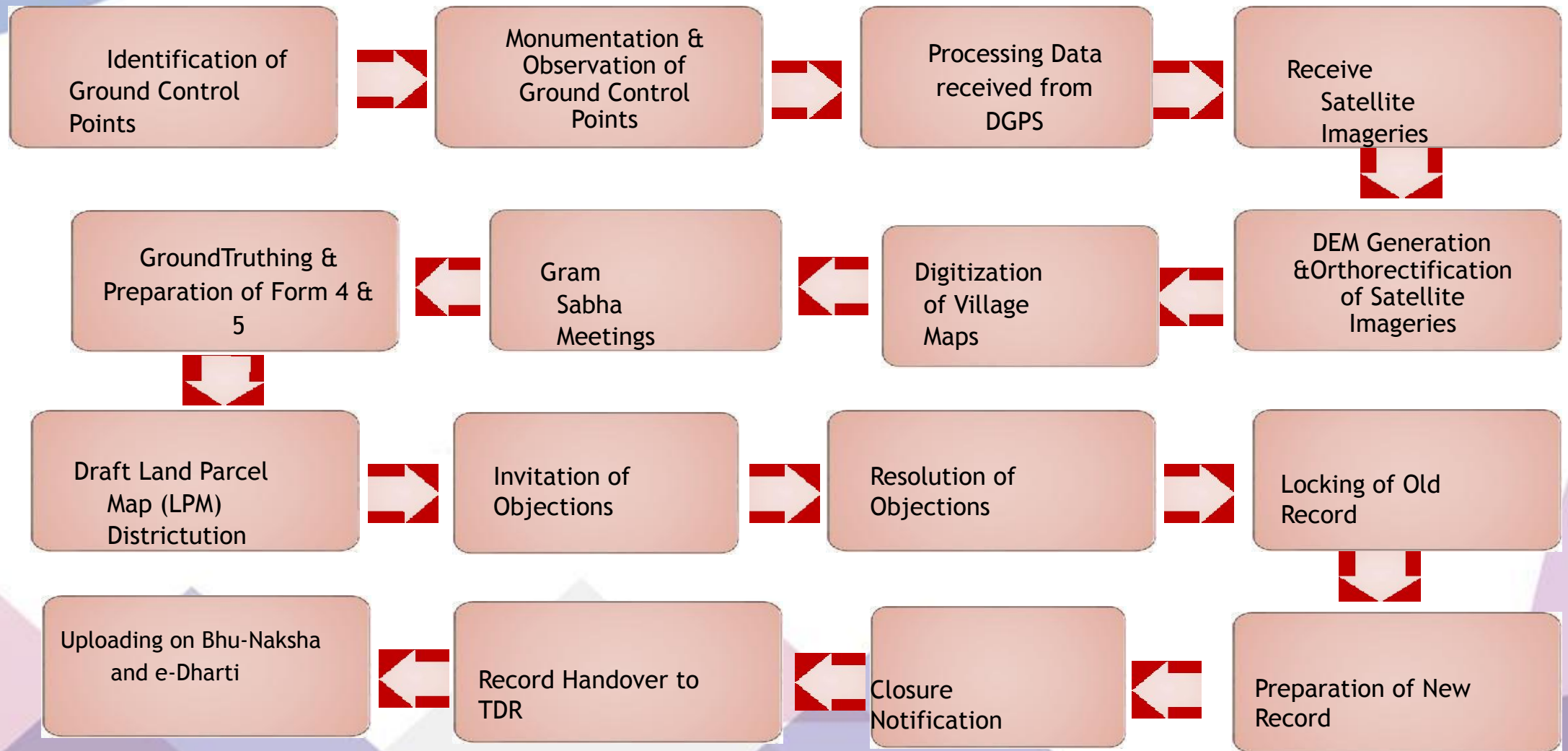


Phase I districts

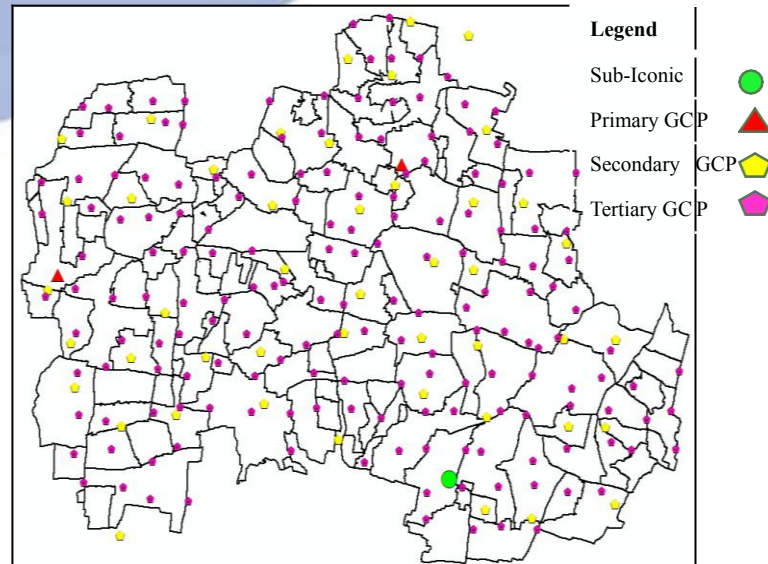


Phase II districts

Process Flow of Survey Resurvey



GROUND CONTROL POINT (GCP)



Chomu Ground Control Points



Iconic GCP



Sub-Iconic GCP



Primary GCP



Secondary GCP



Tertiary GCP



Case Study of one Tehsil (Uniara)

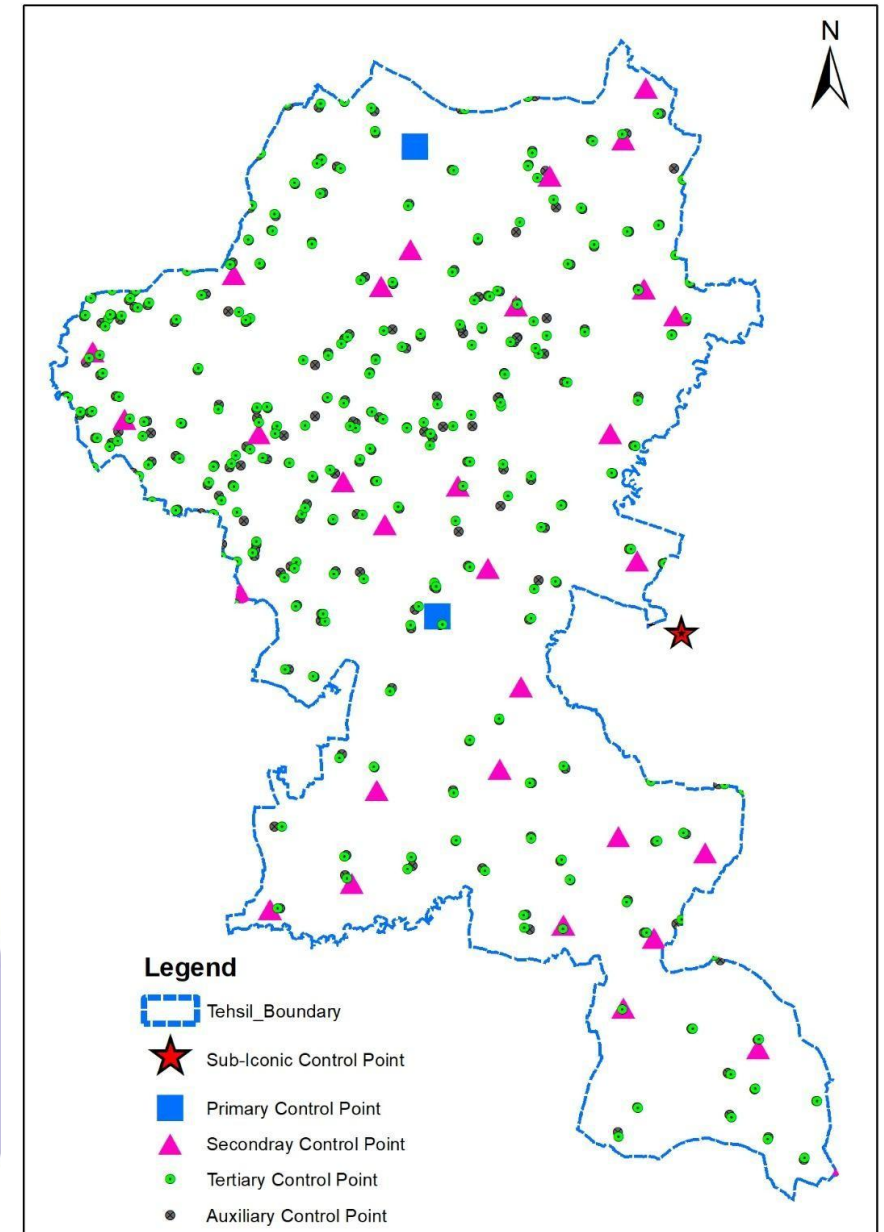
in which

Survey-Resurvey work has been
completed

GROUND CONTROL POINTS OF UNIARA TEHSIL

ESTABLISHMENT OF GROUND CONTROL NETWORK (GCN) IN UNIARA TEHSIL

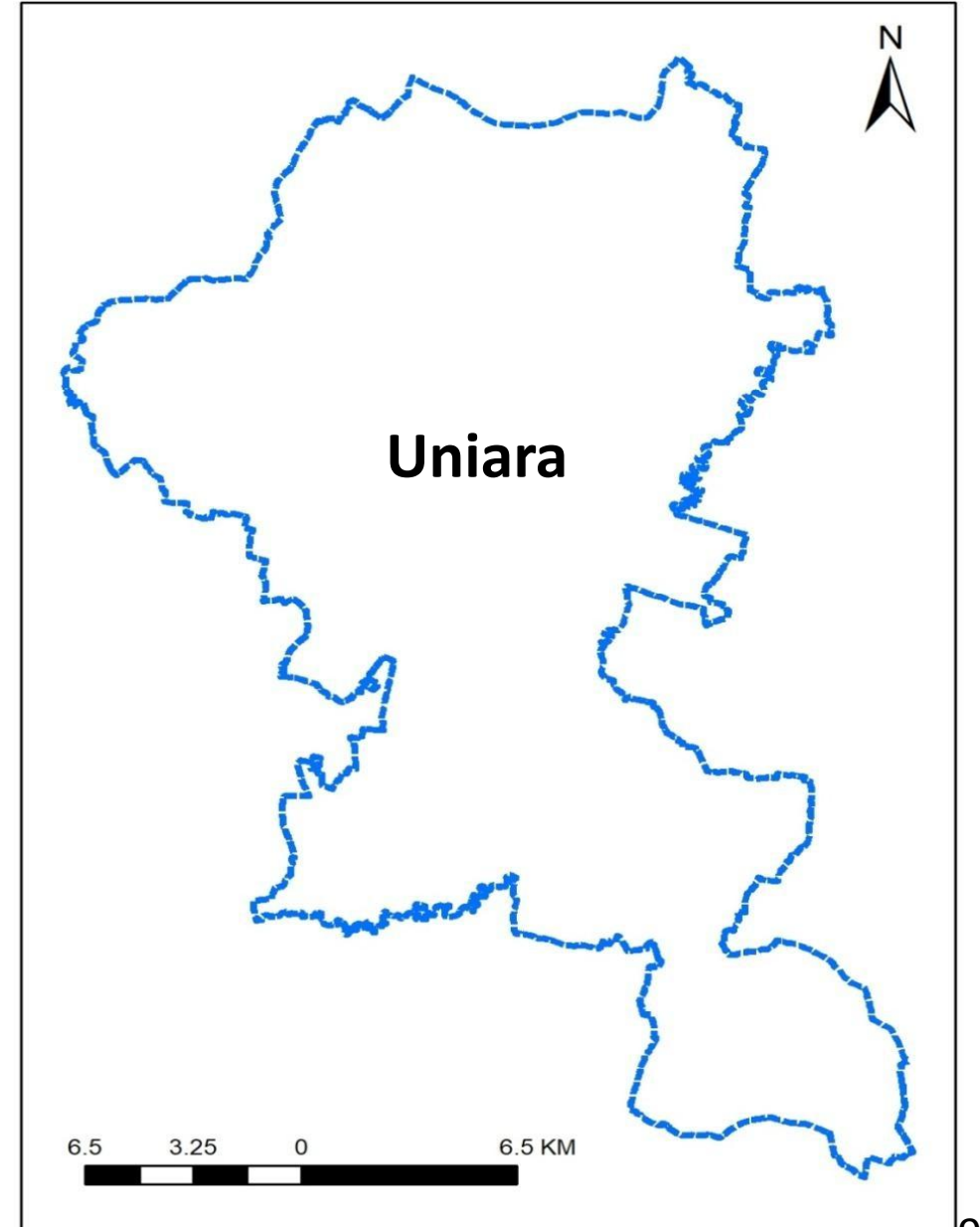
Type	Quantity	Monumentation	Observation time	Pre-Signalization
Iconic	01 in each District Head Quarters	Yes	72 hrs	Yes
Sub-Iconic	01 in each Tehsil Head Quarters	Yes	12 hrs	Yes
Primary Controls	01 control at 16Km x 16Km (256 km ²)	Yes	4 hrs	Yes
Secondary Controls	01 control at 4Km x 4Km (16 km ²)	Monumentation / Structures	1 hr	Yes
Tertiary Controls	01 control at 2Km x 2Km (4 km ²)	Monumentation / Structures	45 minutes	No



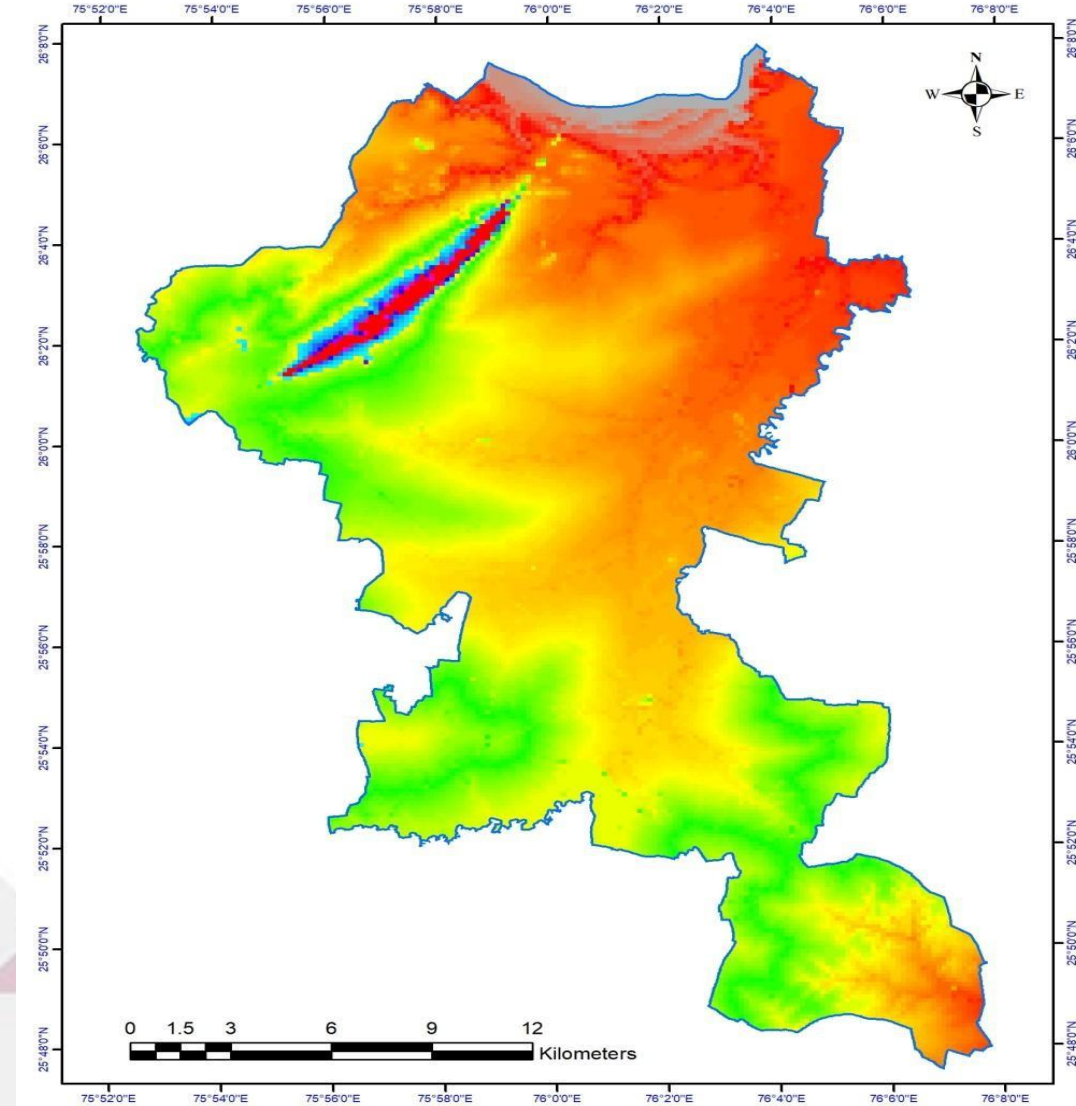
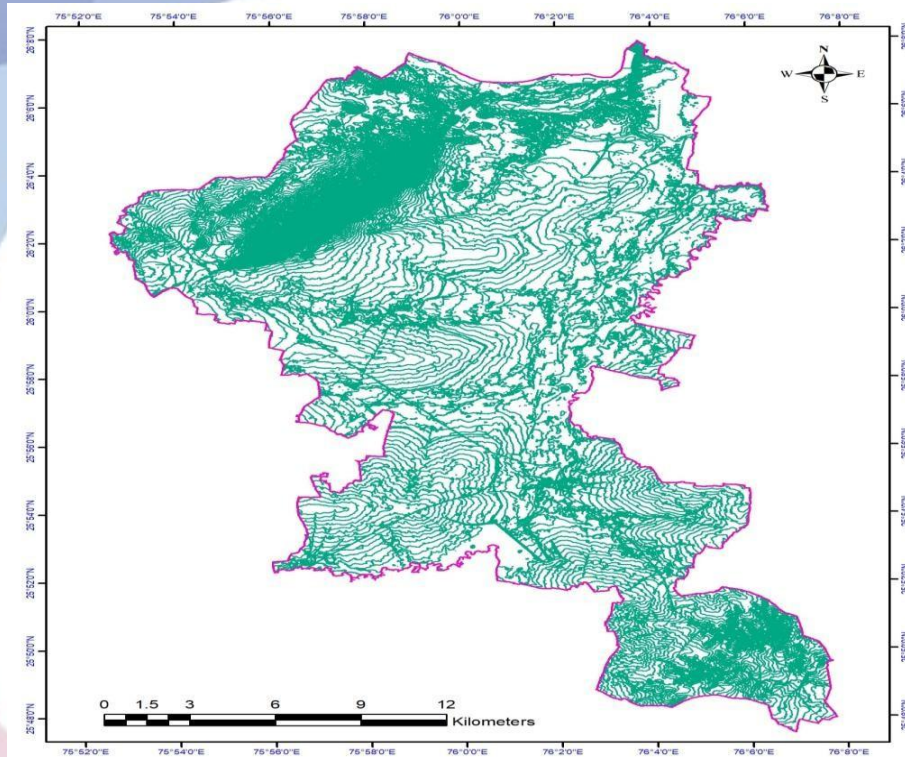
Brief Details of Uniara Tehsil Tonk

- Total number of villages: **96**
- Area of the tehsil as per Jhamabandi: **447.52 sq km**
- Area of the tehsil as per new survey resurvey: **452.87 sq km**
- Total Khata Number: **17066**
- Total Old Khasra Number: **81411**
- Total new Khasra number (PKN) : **122345**
- Total number of objections received: **1371**
- Total excess Govt. Land : **178.3165 Ha (Total Khasra no 1532)**

Uniara Tehsil Area Variation Details					
ROR Area (sq.km)	OCM Area (sq.km)	NCM Area (sq.km)	Diff_Area NCM V/S ROR	Diff_Area NCM V/S OCM	% NCM V/S ROR
447.52	453.03	452.87	5.35	-0.16	1.20



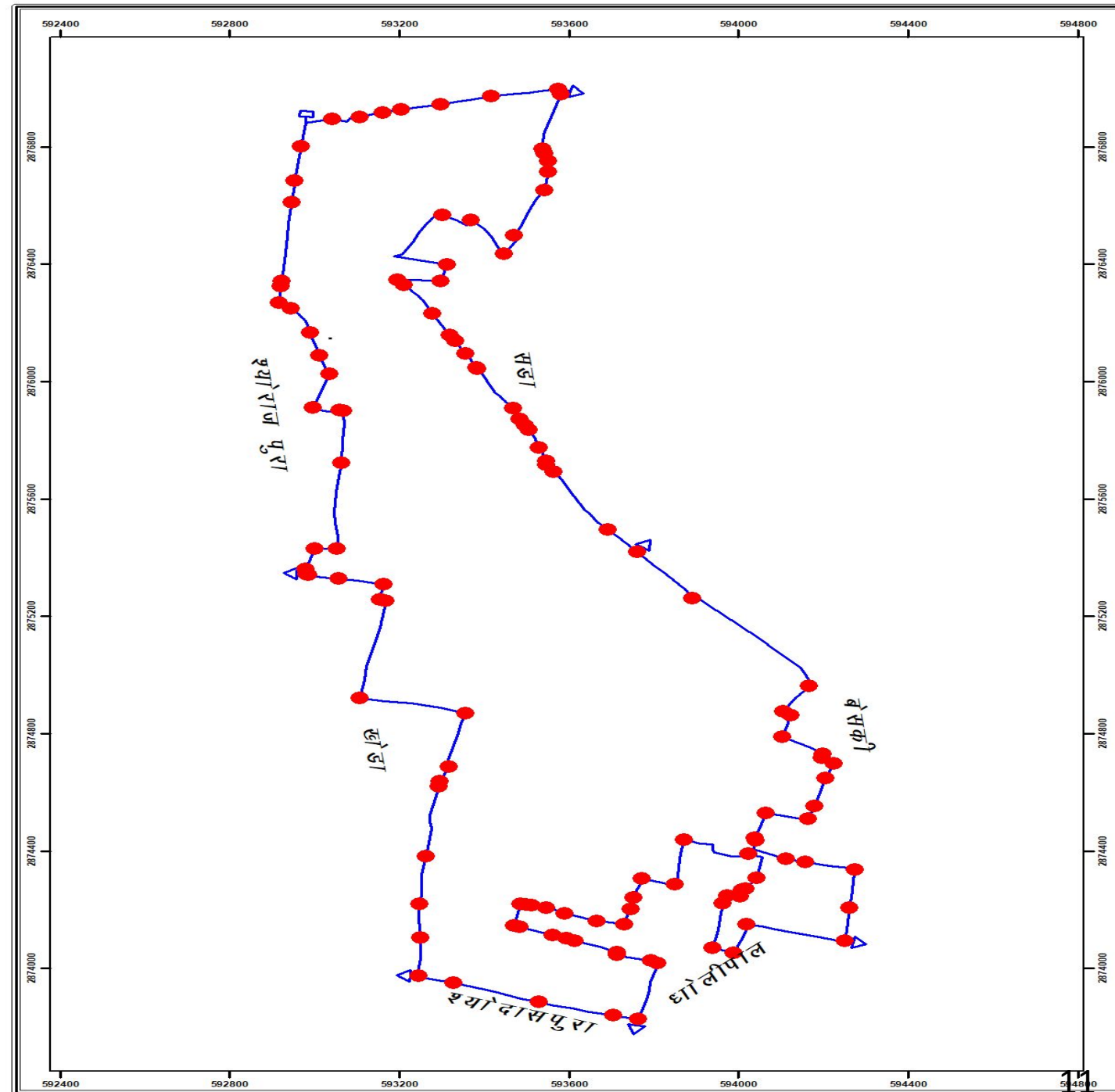
DEM & CONTOUR MAP OF UNIARA TEHSIL



M

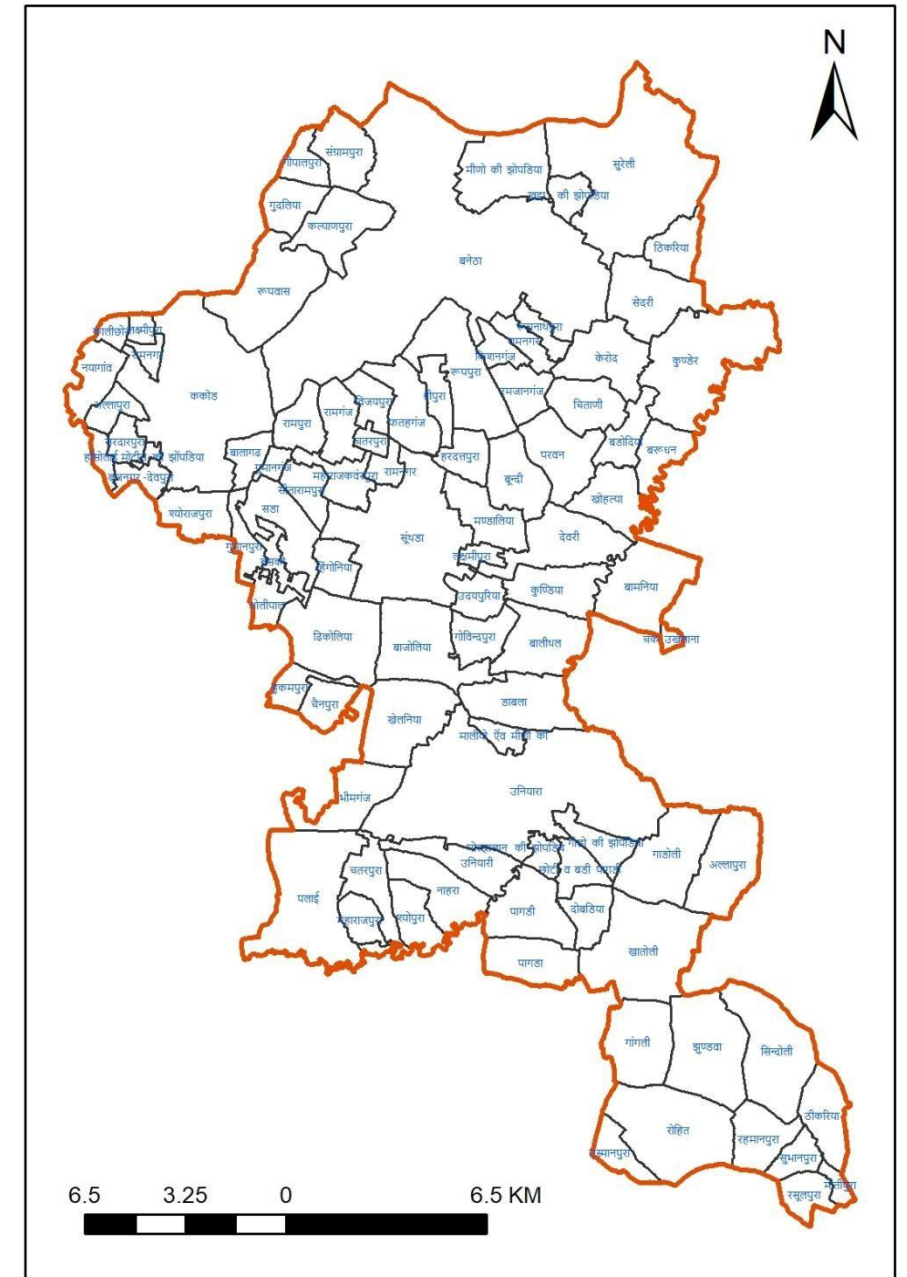
FINAL VILLAGE BOUNDARY OF GUMANPURA VILLAGE

- Jamabandi Area – 187.83 Hac.
- Cadastral Area – 188.3067 Hac.
- New Final Area – 190.2743 Hac.



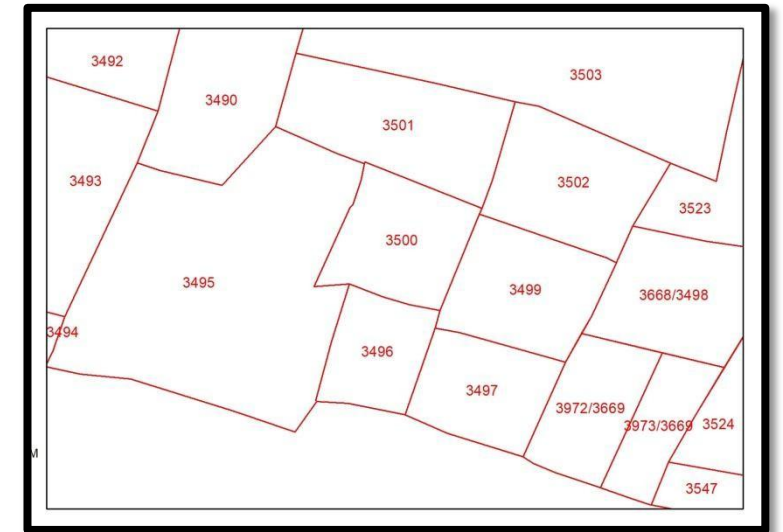
% Difference in Village Boundary

S.N o.	Area Difference	%	No. of Villages
1	Difference in area w.r.t. to RoR and Ground	2%	84
2	Difference in area w.r.t. to RoR and Ground	2-5%	9
3	Difference in area w.r.t. to RoR and Ground	5% से अधिक	3

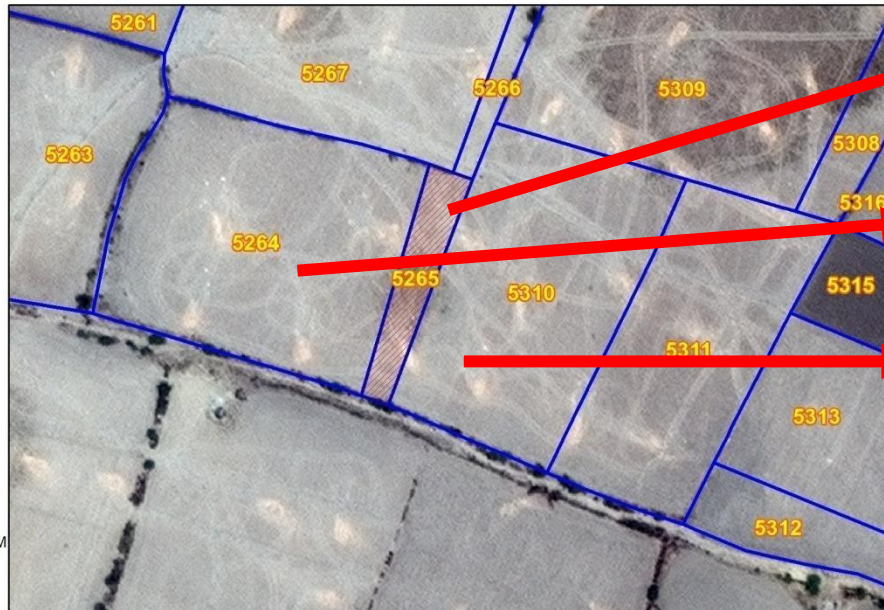


Total Objections received

Description	Objections
Total Objections received	1371
Area related	723
Land class related	59
Shape related	461
Data Entry & Others	128
Objections resolved	1371



Old Map



**Encroachment Parcel
5265 given from 5264
to 5310**

**Khasra No. 5264 has
encroached into Khasra
No. 5265**

**Khasra No. 5310 has less
possession because of
encroachment by Khasra
No. 5264**

Resolution

Objection



Map as per ground

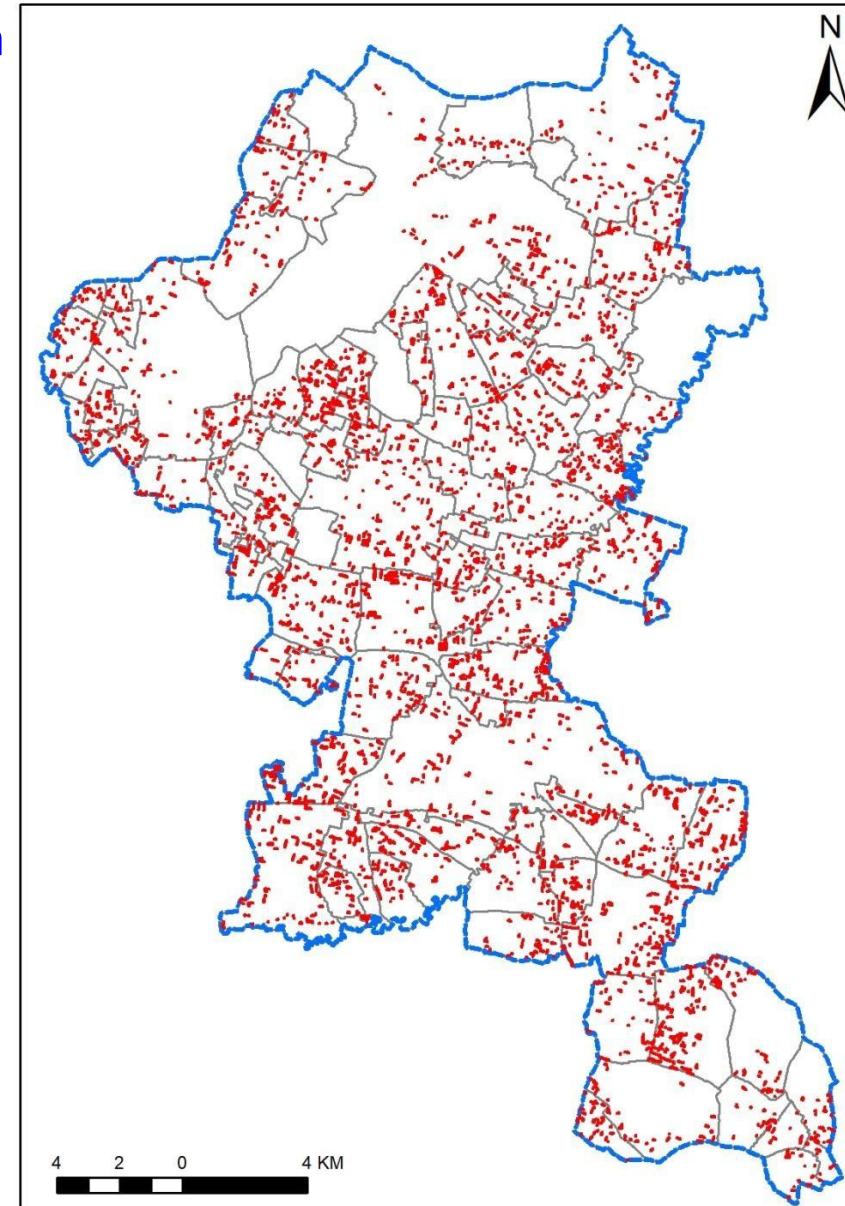
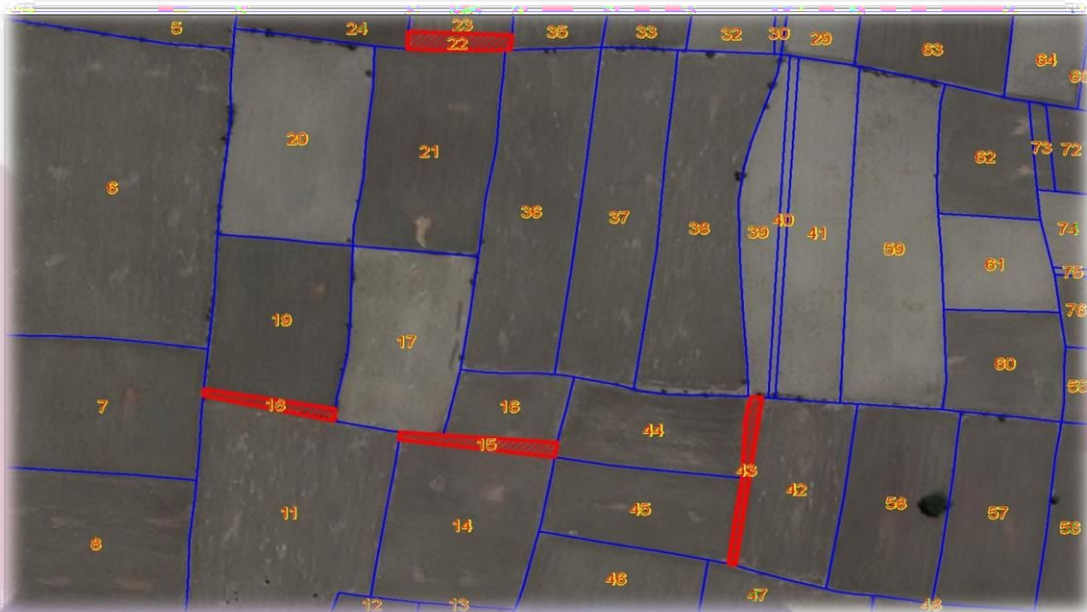
Private Land Encroachment in entire Uniara tehsil

(Private lands under possession of the trespassers)

Total Private to Private Land Encroachment- 339.4188 ha

Total Khasra no's - 4744

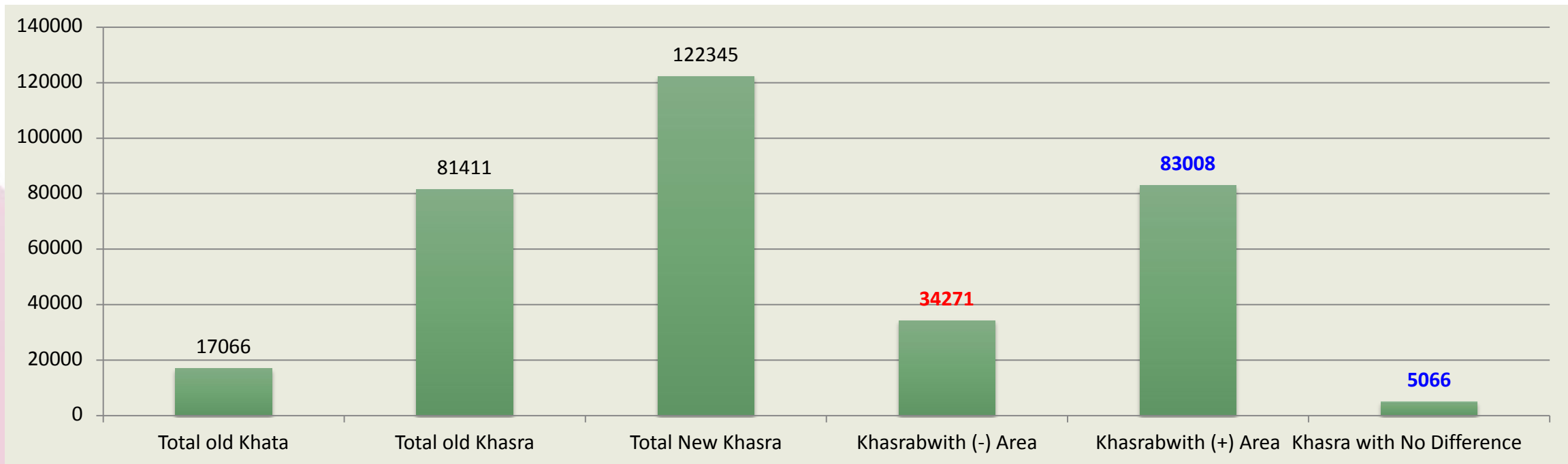
If a Khatedar's land is found to be less than jamabandi, the nearby Khasra numbers are checked. If any Khasra number has more land than shown in the Jamabandi records and OCM map, the extra land is marked as private-to-private encroachment.



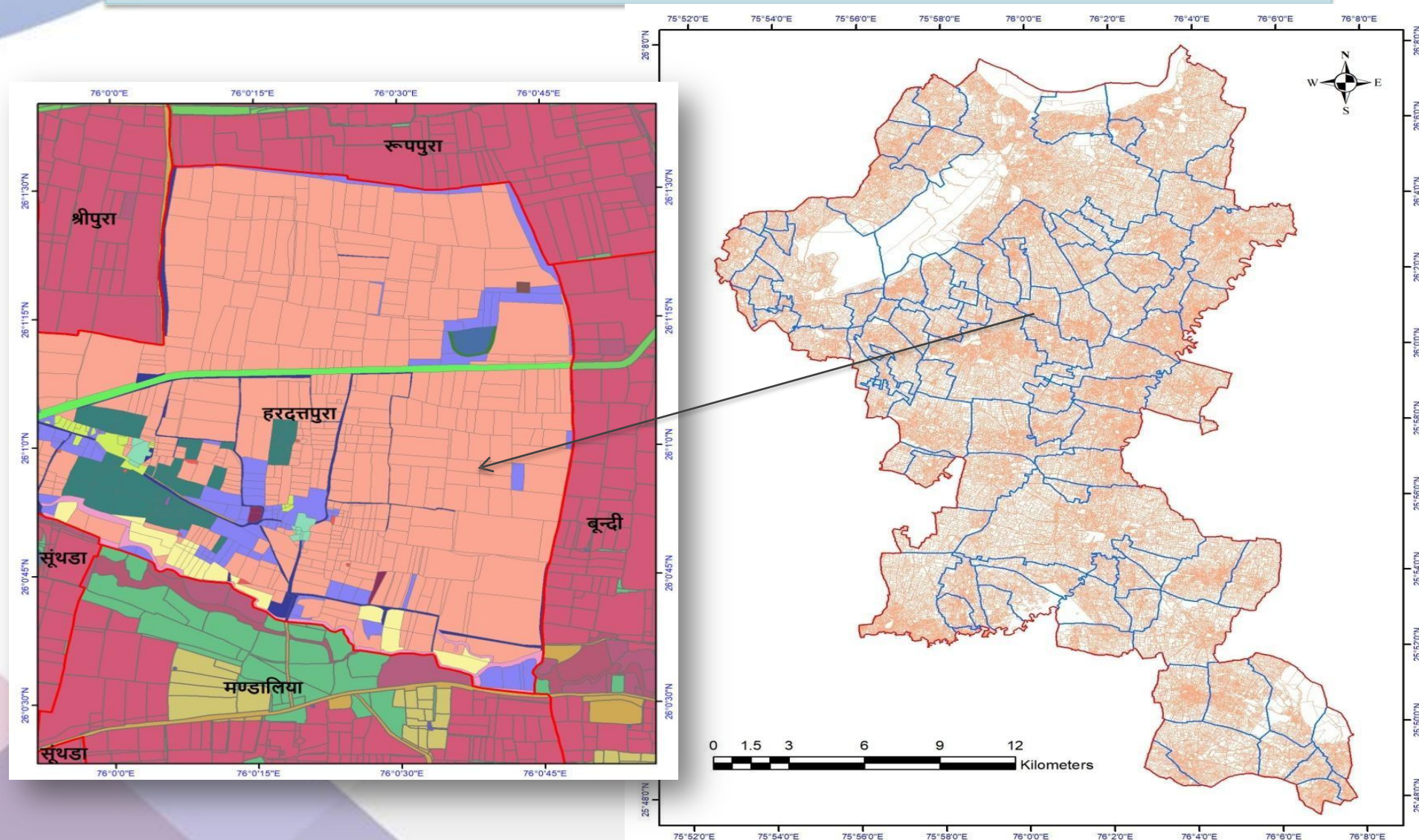
Khata/Khasra Area Variation Report Tehsil Uniara, Tonk

Total Village-96, Total Khata -17066, Total New Khasra No- 122345

Total old Khata	Total old Khasra	Total New Khasra	Khasrabwith (-) Area	Khasrabwith (+) Area	Khasra with No Difference
17066	81411	122345	34271	83008	5066



Mosaic: Seamless New Khasra Map of Entire Uniara Tehsil





Uploading on Bhunaskha & e-Dharti Portal

Home

Location

State: Rajasthan

District: 12 टोंक

Tehsil: 020 ऊनियारा

RI: 0003 ककोड

Halkas: 12317 श्योराजपुरा

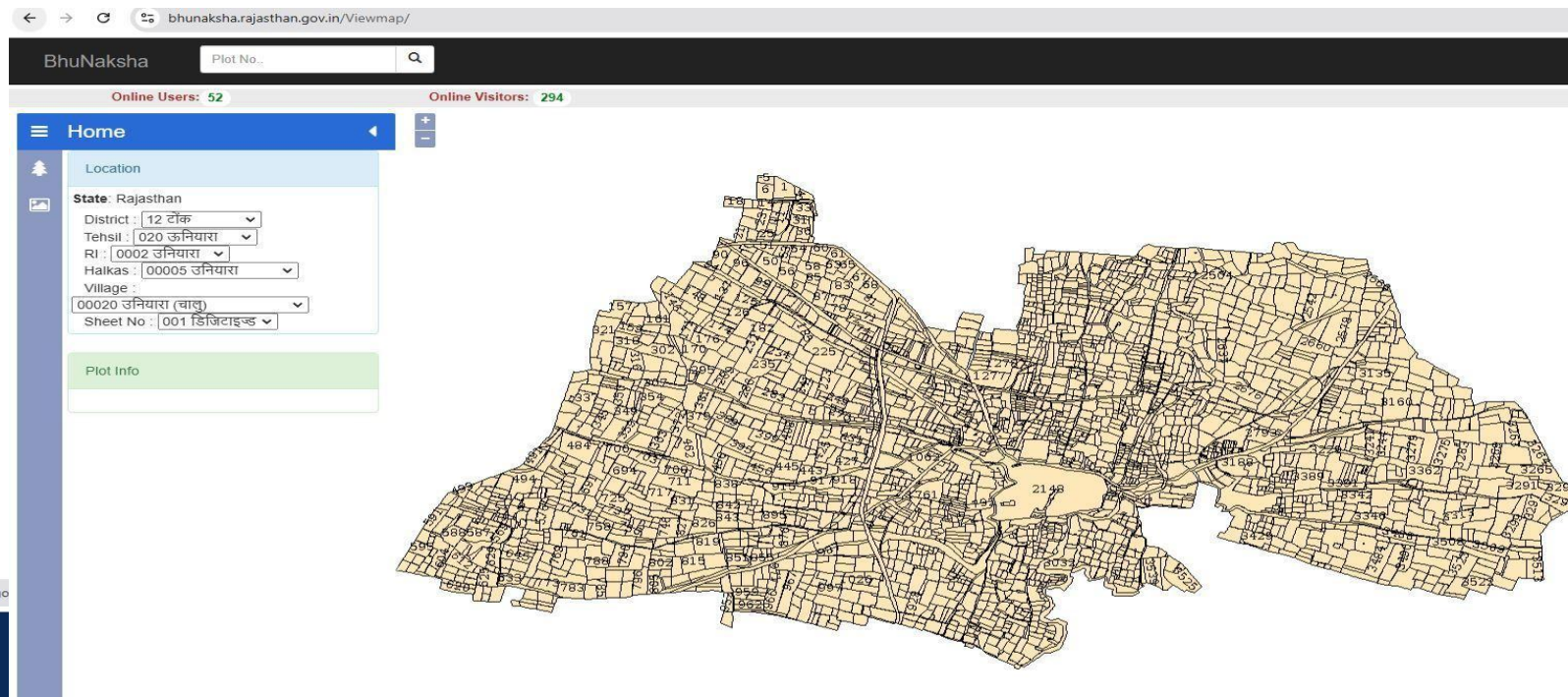
Village: 00051 गुमानपुरा (चालू)

Sheet No: 001 डिजिटलइन्ड

Plot Info

Version 1.0

Home पीछे जाए बाहर जाए



जमाबंदी / नामांतरण प्रतिलिपि

जिला :- टोंक तहसील :- ऊनियारा गाँव-भू-अभिलेख-पटवार का नाम:- गुमानपुरा - श्योराजपुरा - ककोड

जमाबंदी / नामांतरण प्रतिलिपि के लिए विकल्प

☒ जमाबंदी की प्रतिलिपि ☐ नामांतरण की प्रतिलिपि

विकल्प चुने

☒ खाता से ☐ खसरा से ☐ नाम से खाता संख्या 4 चयनित खाता संख्या 4

जमाबंदी की सूचना

खाता संख्या	खसरा	रकबा	सिंचाई के साधन	खेत का नाम	शामिल नंबर	रिमाक	भूमि वर्गीकरण (भूमि-रकबा-दर-लगान)
4	12	0.9000	चा.11				चाही 3 - 0.9000 - 19.00 - 17.10
4	11	0.0100					गै.मु.चाह - 0.0100 - 0.00 - 0.00
4	10	0.9800	चा.11				चाही 3 - 0.9800 - 19.00 - 18.62

नाम करणसिंह पुत्र कल्याणसिंह

नकल (सूचनाएं) ई-हस्ताक्षरित जमाबंदी नकल

Development of a web portal for Survey-Resurvey work

- Provision to electronically e-signing of all the forms to be signed by Patwari, Girdawar, Tehsildar and Sub-Division Officer.
- Electronically distribution of Parcha Notices to all Land-hodlers.
- Electronically inviting the objections from the Land-holders and their resolution.
- Display of new Survey Record on NIC Portals and facility for viewing and downloading of Revenue Records.
- Facility for uploading and storing High Resolution Satellite Imagery.
- The State NIC is developing this web portal.

Salient Features: Survey – Resurvey Project in Rajasthan

- High Resolution Satellite Imagery Used: 40 cm
- DEM of 1m and Contours of 1.2 m generated which are quite useful for engineering departments like Watershed, Water Resources etc.
- Guidelines issued for Survey staff
- Final record prepared keeping in view the ground reality and old RoR. The Old Cadastral Maps are used only for reference purposes.
- Due to lack of staff in Settlement Department, Tehsildar and SDO have been given powers for Settlement Operations. For Settlement operations, Tehsildar acts as Assistant Land Record Officer and SDO as Additional Land Record Officer.
- Quality control measures are in place for every activity.
- Public awareness camps are organized.

Presented By :

Dr. Arun Garg (IAS)

**Commissioner, Land Settlement
Department 98291-43888**

Dr. Shashi Jain (ASO)

**Assistant Settlement Officer,
Rajasthan 94145-45087**



Thank You