BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, DELHI

ORIGINAL APPLICATION NO.569/2023

(I.A. NOS. 158/2025,817/2025,240/2024 & 719/2023)

IN THE MATTER OF:

ALOK KUMAR

VS

UNION OF INDIA AND ORS.

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PLACE:- DELHI

DATE:-10.02.2026 **THROUGH**

GIGI C. GEORGE ADVOCATE

STANDING COUNCIL(UOI)

NATIONAL GREEN TRIBUNAL

CH NO. 457, L.B-I

DELHI HIGH COURT

MOB- 9810625315

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL

PRINCIPAL BENCH, DELHI

ORIGINAL APPLICATION NO.569/2023

(I.A. NOS. 158/2025,817/2025,240/2024 & 719/2023)

COMPLIANCE REPORT ON BEHALF OF SURVEY OF INDIA

1. I, Ravindra Meena, S/o Sh. Jagdish Prasad Meena, aged about 35 years, working as Superintending Surveyor in Uttar Pradesh Geospatial Directorate (UPGD), Survey of India, Lucknow, do hereby solemnly affirm and state as under:

2. That I am competent and duly authorized to affirm the present compliance report/affidavit on behalf of the Survey of India.

3. That I have gone through all the records maintained in this office and am competent to file the present reply on behalf of the Survey of India.

4. That vide para 2.0 of the Order dated 18.12.2025, the Hon'ble Tribunal directed the Survey of India to supply data of the Yamuna River in the 3 km stretch upstream of Okhla Barrage (copy of the Order is attached as Annexure-A).

5. That in compliance with the Hon'ble Tribunal's Order, this office supplied the data of the Yamuna River to the Irrigation Department, Government of Uttar Pradesh, vide letter _____ (copy of the letter is attached as Annexure-B).

6. That initially, the total area was 850 sq. km., and after reassessment, the area was revised to 769 sq. km.

7. That out of 769 sq. km., drone flying for 372 sq. km. has been completed. The remaining 397 sq. km. falls under the red and yellow zones of DGCA.

8. That out of the 397 sq. km. area, permission for 185 sq. km. has been granted by DGCA; however, NOTAM has been issued by ATC Hindon only after 3:00 PM on every Saturday, thereby causing slow progress of the work.

10/2/26

(रविन्द्र मीना/RAVINDRA MEENA)
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भारतीय सर्वेक्षण विभाग, लखनऊ
Survey of India, Lucknow

9. That the remaining 212 sq. km. area has high-rise buildings and falls under the red zone. Permission has been applied for 300-meter drone flying from DGCA; however, at present, permission has not been granted.

10. That out of the 372 sq. km. completed drone survey area, the Orthorectified Image and DSM data for 372 sq. km. has been handed over to the Irrigation Department, Uttar Pradesh.

11. That vide para 5.0 of the Order dated 18.12.2025, the Hon'ble Tribunal directed the Survey of India to examine the feasibility of preparing the 01-meter interval contour map by extrapolating the data already received through drone survey.

12. That in compliance with the Hon'ble Tribunal's direction, this office has generated the 01-meter interval contour map for entire 769 Sq. Km area. The detailed methodology and accuracy are annexed as Annexure-C. The said maps and data have also been handed over to the Irrigation Department vide letter dated 05.02.2026, annexed as Annexure-D.

13. That the Survey of India reaffirms its full cooperation with the directions of the Hon'ble Tribunal and remains committed to the timely and high-quality delivery of the technical outputs.

10/2/26

DEPONENT
(RAVINDRA MEENA)
SUPERINTENDING SURVEYOR
UPGD, SURVEY OF INDIA
LUCKNOW

(रविन्द्र मीना/RAVINDRA MEENA)
अधीक्षण सर्वेक्षक/Suptdg. Surveyor
उ.प्र. भू-स्था. निदेशालय/U. P. G. D.
भारतीय सर्वेक्षण विभाग, लखनऊ
Survey of India, Lucknow

Annexure-A

Item No. 09 & 10 Court No. 1

BEFORE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

Original Application No. 275/2023
(IA Nos. 38/2025 & 869/2023)

Mahesh Kumar Applicant

Versus

State of UP & Ors. Respondent(s)

With

Original Application No. 569/2023
(I.A. Nos. 158/2025, 817/2025, 240/2024 & 719/2023)

Alok Kumar Applicant

Versus

Union of India & Ors. Respondent(s)

Date of hearing: 18.12.2025

CORAM: HON'BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER

Applicant: Mr. Satyabeer Singh, Adv. for Applicant in OA 275/2023 (Through VC)

Respondents: Mr. Ravindra Kumar, Senior Advocate with Mr. Shivam Saksena, Advs. for Gr. Noida Authority
Mr. Bhanwar Pal Singh Jadon, Mr. Shivansh Sharma, Ms. Atika Singh, Ms. Disha Tiwari, Ms. Gargi Chaturvedi & Ms. Anjali Sharma, Advs. for UPPCB
Ms. Priyanka Swami & Ms. Meghna Singhal, Advs. for the Irrigation Department, State of UP
Mr. Gigi. C. George, Adv. with Mr. Ravindra Meena (Through VC), Superintending Surveyor, Survey of India
Mr. Ravindra Kumar, Senior Advocate with Ms. Shristi Gupta, Adv. for R - 7 in OA 569/2023
Mr. Yagyawalkya Singh, Adv. for GDA in OA 569/2023 (Through VC)
Mr. Sumit Arora, Adv. for R - 1 in OA 569/2023 (Through VC)
Ms. Suman Arora, Adv. for CPCB in OA 569/2023
Mr. Shrish Kohli & Mr. Rewant Singh, Advs. for R - 5 in OA 275/2023
Mr. Rajesh Aggarwal & Ms. Deeksha Aggarwal, Advs. in I.A No. 38/2025 (Through VC)

ORDER

1. In the previous proceedings dated 17.09.2025, Learned Counsel for State of Uttar Pradesh (State of UP) had submitted that determination of

10/12/25
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उ.प्र. भू-स्था. निदेशालय/U.P.G.D.
भारतीय सर्वेक्षण विभाग, लखनऊ
Survey of India, Lucknow

flood plain of river Yamuna in 3 kms stretch upstream of Okhla Barrage was remaining.

2. Sh. Ravindra Meena, Superintending Surveyor, Survey of India appearing virtually has stated that there is no difficulty in completing the exercise by 15.01.2026, data will be supplied to Irrigation Department, State of UP.

3. Tribunal in this OA is examining the issue of demarcation of flood plain zone of river Hindon specially in District Ghaziabad and Gautam Budh Nagar.

4. Learned Counsel for the State as also Sh. Ravindra Meena, Superintending Surveyor, Survey of India appearing virtually have informed that Survey of India has assigned the work for doing the survey of 850 sq.km. but some of the area was falling in red and yellow zone of DGCA, therefore, the area was re-assessed to 769 sq.km. out of which the data for 200 sq.km. has been provided by Survey of India to Irrigation Department, State of UP and so far as 369 sq.km. is concerned, work of survey of 125 sq.km. has been completed. It has been stated that this data will be supplied by 31.12.2025. In respect of 444 sq.km., it is stated that permission for 185 sq.km has been granted and that 256 sq.km. is falling in red and yellow zone and high-rise buildings are existing in the said area, therefore, there is a difficulty.

5. Sh. Ravindra Meena, Superintending Surveyor, Survey of India appearing virtually has sought time to examine the feasibility of preparing the 01 meter contour map by extrapolating the data which has already been received by drown survey.

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भारतीय सर्वेक्षण विभाग, लखनऊ
Survey of India, Lucknow

6. The State as well as the Survey of India are also directed to disclose the stretch of river Hindon which is remaining to be surveyed in the next report.

7. List on 16.02.2026.

Prakash Shrivastava, CP

Dr. A. Senthil Vel, EM

December 18, 2025
Original Application No. 275/2023
(IA Nos. 38/2025 & 869/2023) &
Original Application No. 569/2023
(I.A. Nos. 158/2025, 817/2025, 240/2024 & 719/2023)
JG.

10/2/26
(रविन्द्र मीना/RAVINDRA MEENA)
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Survey of India, Lucknow

Annexure-B.

भारत सरकार
GOVT. OF INDIA

आज़ादी का अमृत महोत्सव

टेली-फैक्स/Tele-fax – 0522-2720634
दूरभाष/Telephone-0522-2720638
ई-मेल@E-mail: up.gdc.soi@gov.in (Tech)
upgdc-lko@up.nic.in (Admn)

निदेशक का कार्यालय/Office of Director
भारतीय सर्वेक्षण विभाग/Survey of India
मानचित्र भवन/Manchitra Bhawan
उत्तर प्रदेश भू-स्थानिक निदेशालय (उत्तरी क्षेत्र)
Uttar Pradesh G.D.(Northern Zone)
5, विभूतिखण्ड, गोमतीनगर, लखनऊ -226010(उ0प्र0)
5, Vibhuti Khand, Gomti Nagar, Lucknow-226010 (UP)

पत्र सं0 त- 435 /39-C-ED(Court case) दिनांक:- 10/02/2026

सेवा में,

अधिशासी अभियन्ता,
हैड वर्क्स खण्ड आगरा नहर,
ओखला नई दिल्ली-25

विषयः- मा० राष्ट्रीय हरित अभिकरण नई दिल्ली में विचाराधीन O.A.No.275/2023 में पारित आदेश के संबंध में।

संदर्भः- आपके कार्यालय का पत्र संख्या 687/है0व0ख0/मा0रा0ह0अभि0, दिनांक 09/02/2026

महोदय,

उपरोक्त विषय व संदर्भित पत्र के संबंध में आपके कार्यालय के श्री राजेन्द्र कुमार, जूनियर इंजीनियर को संलग्नित बीजक संख्या R.K./115/UPGD, Lucknow दिनांक 10/02/2026 के अन्तर्गत यमुना नदी का ORI, 0.5m accuracy का DEM, DTM एवं 01 मीटर कन्टूर अन्तराल का डाटा प्रदान किया जा रहा है। उक्त डाटा आप किसी अन्य के साथ साझा नहीं करेंगे, ऐसी आपसे अपेक्षा की जाती है।

उक्त आपके सूचनार्थ प्रेषित है।

भवदीय,

R 10/2/26
(रविन्द्र मीना/RAVINDRA MEENA)
अधीक्षण सर्वेक्षक/Suptdg. Surveyor
उ.प्र. भू-स्था. निदेशालय/U.P.G.D.
भारतीय सर्वेक्षण विभाग, लखनऊ
Survey of India, Lucknow

10.02.26
(पवन कुमार द्विवेदी)
अधिकारी सर्वेक्षक/तकनीकी अधिकारी
कृते निदेशक

Annexure-C

HINDON RIVER

Generation and Workflow for 1m contour interval Map

Planning: Project objectives is to create 1m contour interval map of the Hindon River for the project area of 769 sq km. Accordingly the input datasets, scale, projection and accuracy requirements were decided.

Source Data:

Input data used to prepare 1m contour interval map for the Hindon River area are as under: -

- Survey of India 1:25K Vector GIS Data
- Drone Survey Data with DTM of 0.5m accuracy
- National Urban Information System 2m contour interval data
- National Hydrology Project data with DTM 0.5m accuracy and in some pocket data with 3 to 5m contour interval.
- Software: Arc GIS (Arc Map), QGIS
- Projection: UTM (Zone 43)
- Datum: WGS84
- Scale of Map: 1:25K

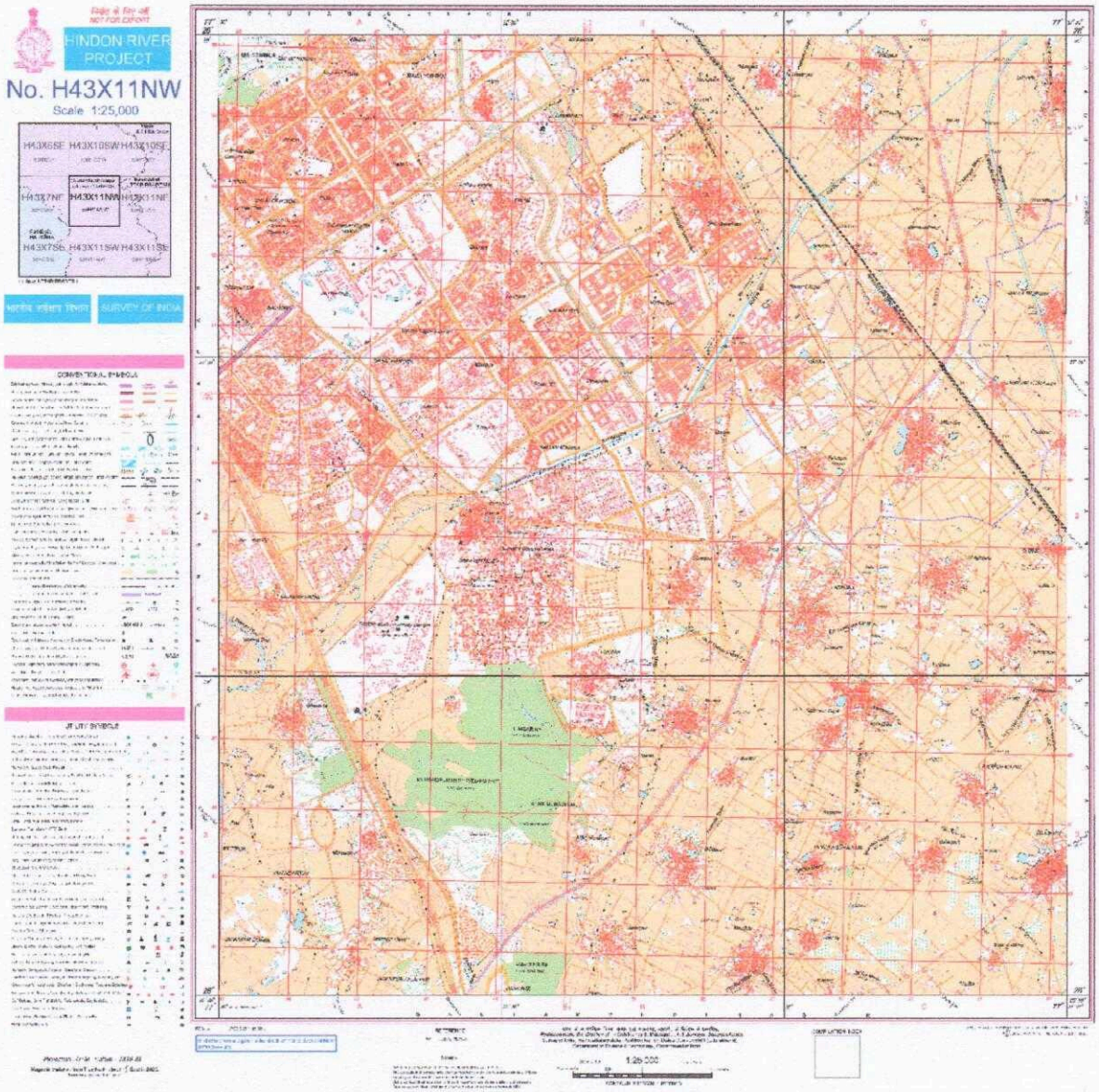
Data Preparation, Creation and Generation:

- Collected required datasets of the area of interest as listed above.
- Generated 1M Contour Interval map from the source data as per the work flow annexed.
- Checked and corrected geometry errors and verified attribute consistency to ensure data accuracy using independent check points and spot heights.

Output: Prepared Topographical maps on 1:25K with 1m contour interval with Survey of India standard symbology, map layouts, and exported outputs in required PDF format for printing of maps

10/2/26

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10/12/26

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Workflow

Generation of Contour Data

Collected required source datasets for the entire Hindon Project area of 769 sq km

↓

From the input elevation data of different pockets TIN (Triangulated Irregular Network) was generated and then DEM (Digital Elevation Model) was generated using Arc Map software.

↓

From this DEM 1M contour interval Lines generated.

↓

Contour lines were smoothened using cartographic generalization techniques, and contours in highly clustered and dense areas were selectively removed to enhance map readability and visual clarity without compromising terrain integrity (as shown in Fig 1)

↓

Contour lines were erased from man-made features such as built-up blocks and from within waterbody features to ensure accurate representation and map clarity (as shown in Fig 2)

↓

Map on 1:25K scale with contour interval of one meter generated

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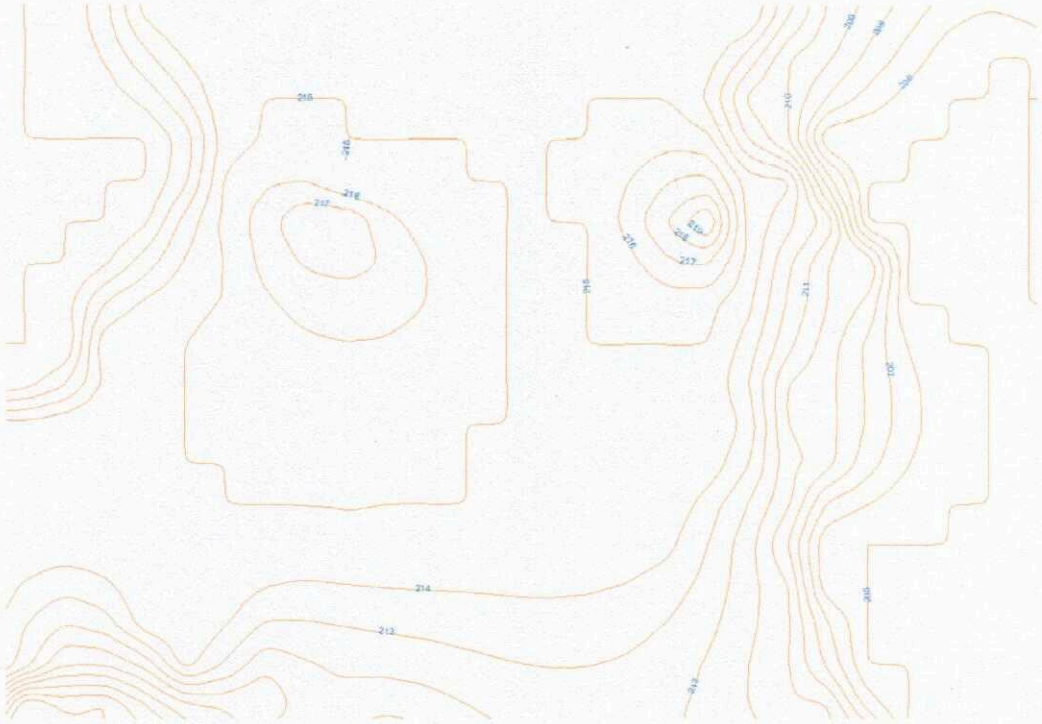


Fig 1

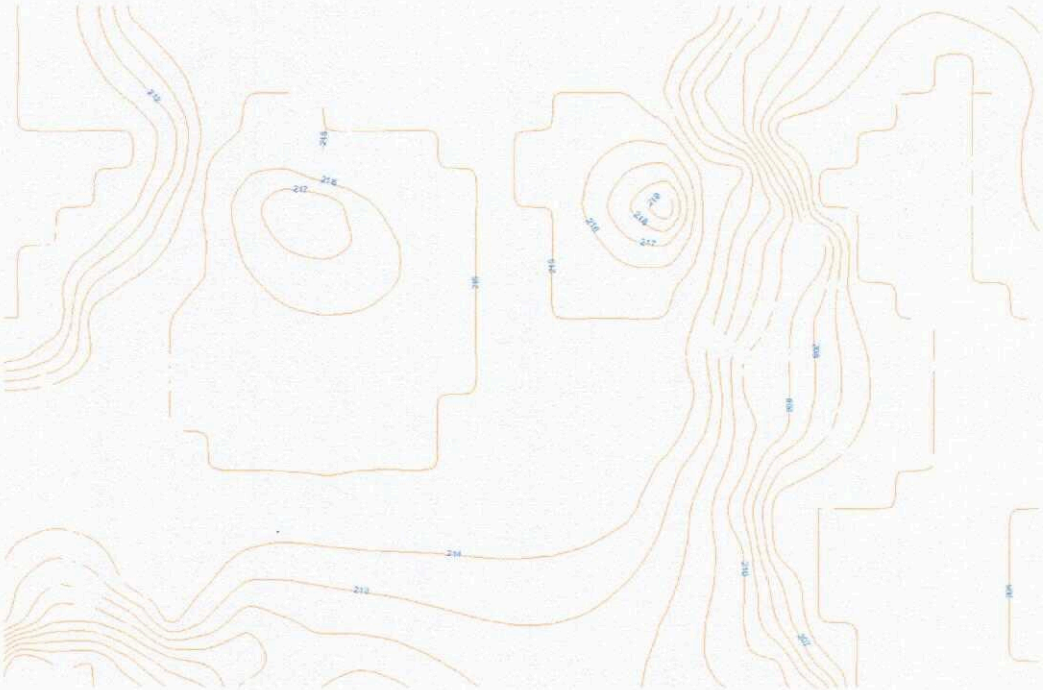


Fig 2

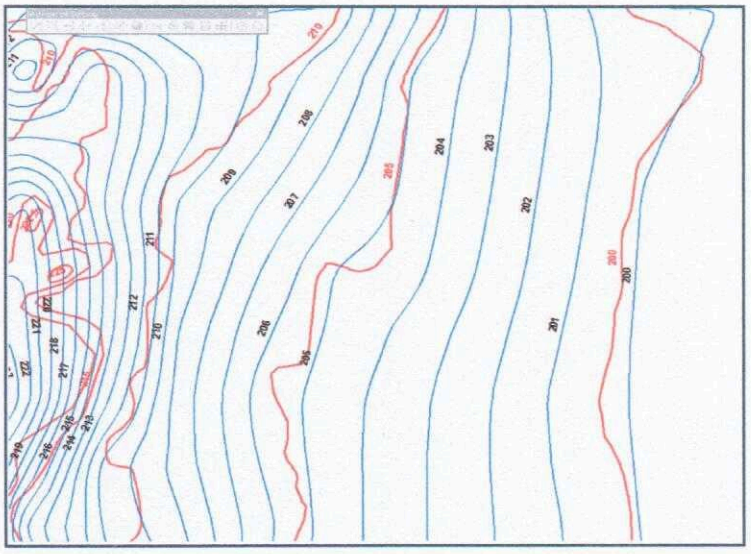
(रविन्द्र मीना/RAVINDRA MEENA)
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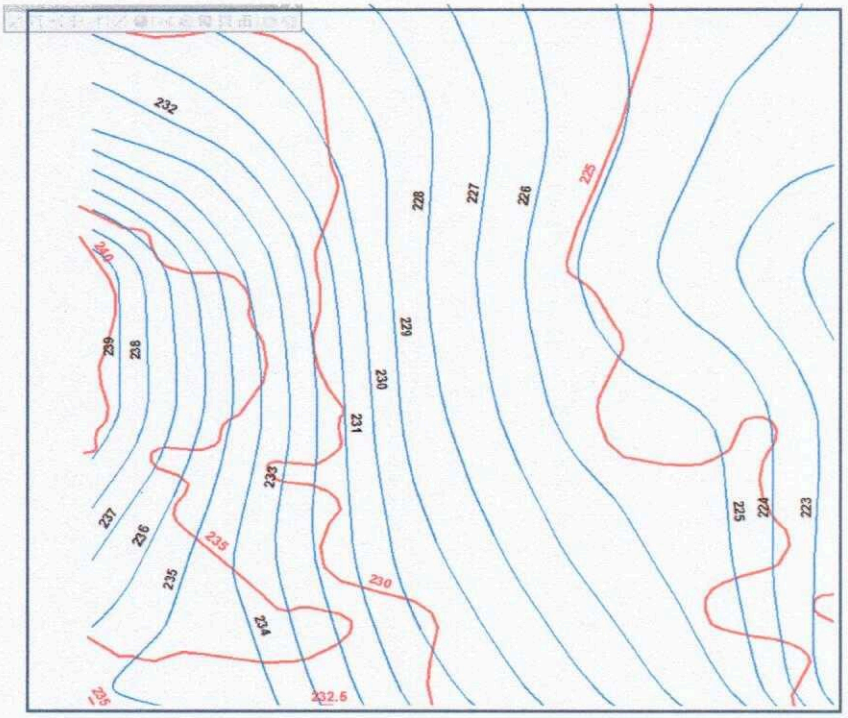
1491

Reliability:

Red Lines are from 25K Data

Blue Lines are Generated Contour of 1M interval

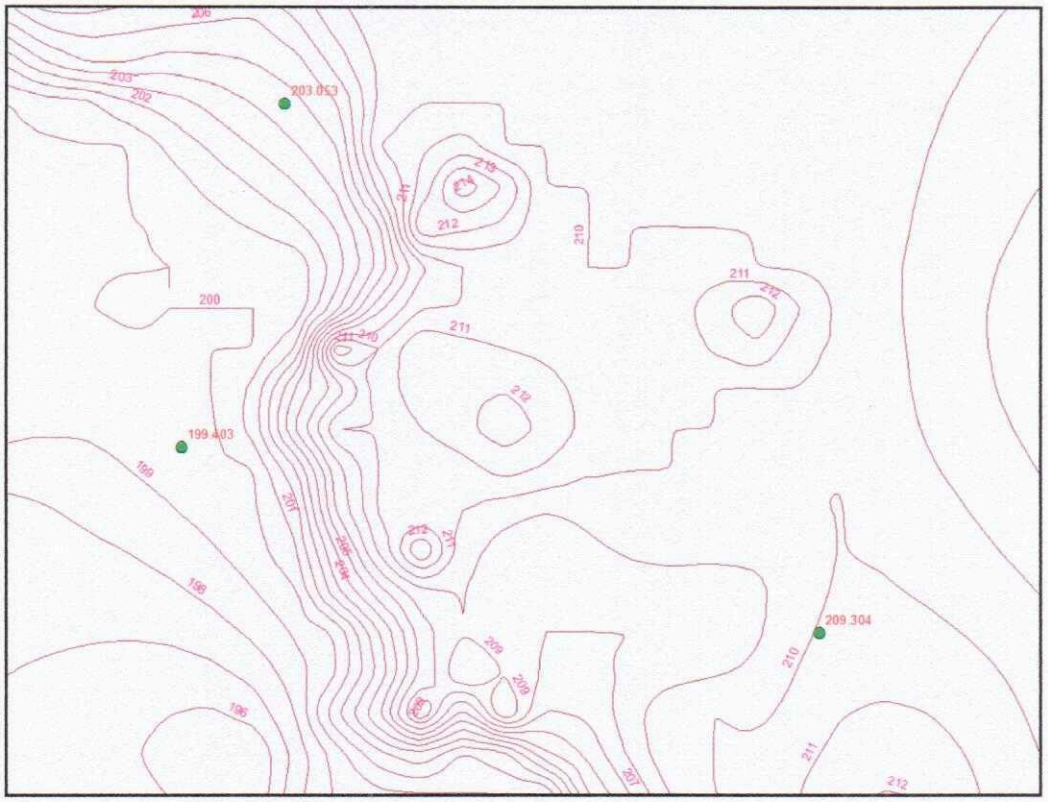


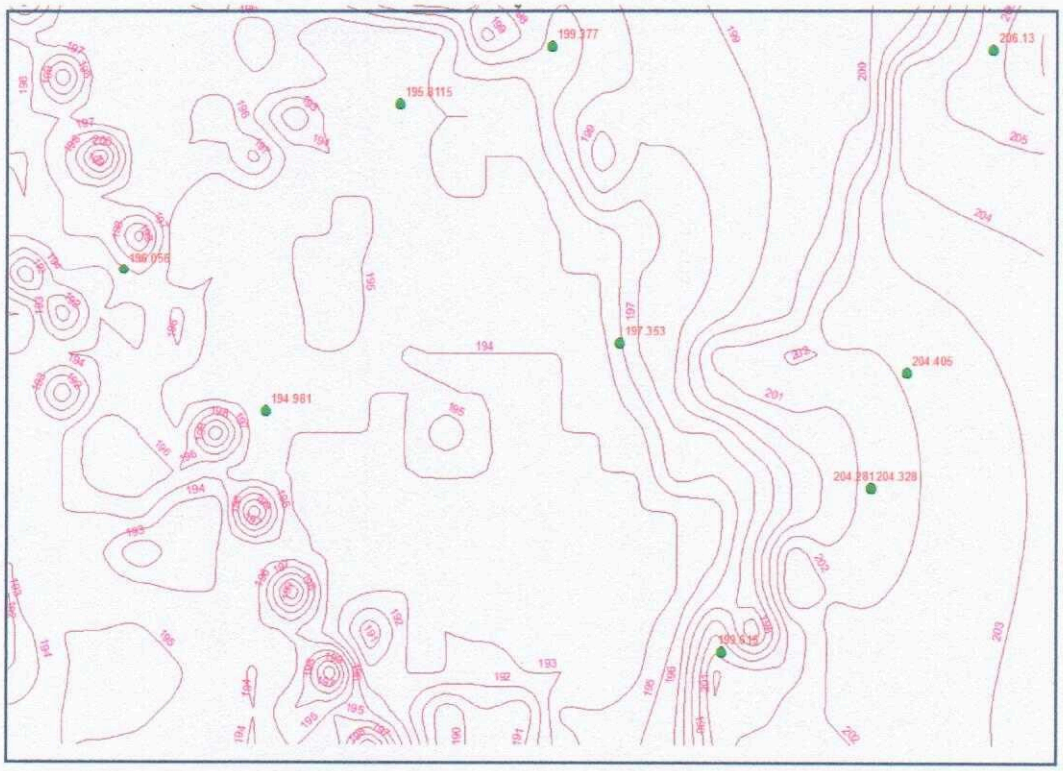


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Green points are ICP's Height

Brown Lines are 1M contour generated





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Annexure-D.

अति महत्वपूर्ण कोर्ट केस

भारत सरकार
GOVT. OF INDIA

आज़ादी का अमृत महोत्सव

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निदेशक का कार्यालय/Office of Director
भारतीय सर्वेक्षण विभाग/Survey of India
मानचित्र भवन/Manchitra Bhawan
उत्तर प्रदेश भू-स्थानिक निदेशालय (उत्तरीक्षेत्र)
Uttar Pradesh G.D (Northern Zone)
5, विभूतिखण्ड, गोमतीनगर, लखनऊ -226010(उ0प्र0)
5, Vibhuti Khand, Gomti Nagar, Lucknow-226010 (UP)

पत्र सं0 त- 403 /39-सी (कोर्ट केस)

दिनांक: 05/02/2026

सेवा में,

अधिशासी अभियन्ता,
सिंचाई निर्माण खण्ड, गाजियाबाद।

विषयः- मा0 राष्ट्रीय हरित अभिकरण नई दिल्ली में विचाराधीन ओ0ए0 संख्या 569/2023, आलोक कुमार बनाम यूनियन ऑफ इण्डिया व अन्य में पारित आदेशों के अनुपालन में जनपद गौतमबुद्धनगर एवं गाजियाबाद मे हिण्डन नदी के फ्लड प्लेन जोन के चिन्हींकरण एवं सीमांकन के संबंध में।

संदर्भः- इस कार्यालय का पत्र संख्याः- त-389/39-C-ED (Court case) दिनांक 04/02/2026

महोदय,

उपरोक्त विषय व इस निदेशालय के संदर्भित पत्र के अनुक्रम में हिण्डन नदी क्षेत्र का 1:25k पैमाने पर, 11 मानचित्र की हार्ड कॉपी उनका साफ्ट कॉपी डाटा तथा 01 मीटर कन्टूर अंतराल का कन्टूर डाटा आपको इस कार्यालय के श्री अजय सिंह, एम.टी.एस. को संलग्नित बीजक संख्या R.K/114/UPGD, Lucknow दिनांक 05/02/2026 के अन्तर्गत उपलब्ध कराया जा रहा है।

उक्त आपको सूचनार्थ प्रेषित है।

भवदीय,

संलग्नः- यथोपरि।

05.02.26

(पवन कुमार द्विवेदी)
अधिकारी सर्वेक्षक/तकनीकी अधिकारी,
कृते निदेशक

प्रतिलिपिः- अपर महासर्वेक्षक, उत्तरी क्षेत्र चण्डीगढ को सूचनार्थ प्रेषित।

5/2/26

(रविन्द्र मीना/RAVINDRA MEENA)
अधीक्षण सर्वेक्षक/Suptdg. Surveyor
उ.प्र. भू-स्था. निदेशालय/U. P. G. D.
भारतीय सर्वेक्षण विभाग, लखनऊ
Survey of India, Lucknow