

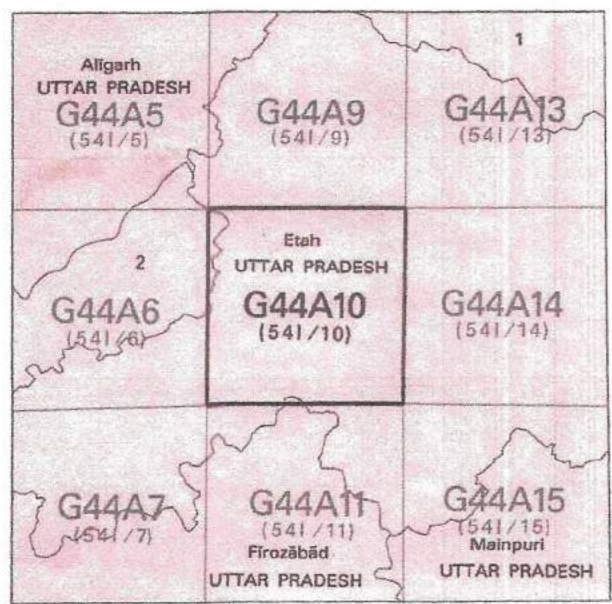
**TOPO SHEET OF THE PROTECTED & RESERVED FOREST LAND PROPOSED TO BE DIVERTED FOR CONSTRUCTION OF RAIL NETWORK SYTEM FOR TRANSPORTATION OF COAL & OIL FROM RAILWAY STATION ETAH TO 2X660MW JAWAHARPUR THERMAL POWER PROJECT MALAWAN ETAH (UTTAR PRADESH)**



OPEN SERIES MAP

No. G44A10

Scale 1:50,000



PLOTTER PRINT

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2011. Price: ₹ 70/-

CONVENTIONAL SYMBOLS

Express highway with toll, with bridge, with drainage	
Roads, double carriageway according to importance	
Unsurfaced road, Cart-track, Foot-track with path, Foot-path	
Streams with track in bed, unbridged, Canal	
Dams, masonry or rock-filled, overwater, Pier	
Water dry with water channel, with island or weir, Water shed	
Submerged river, Road, Swamp, Field	
Wells, hand, windmill, Tube-well, Spring, Tank, perennial, dry	
Entertainment, road or rest, tank, Broken ground	
Railways, broad gauge, double single with station, under construction	
Railways, other gauges, double single with station, under construction	
Mineral line or tramway, Kin, Cutting with tunnel	
Contours with sub-intervals, Rocky slopes, Cliff	
Sand features: (Mudflats, sandbars, sandbars, sandbars)	
Tanks or village, inhabited, deserted, Fort	
Hot, permanent, temporary, Tower, Antenna, Mast	
Temple, Church, Mosque, Light, Tomb, Grave	
Lighthouse, Lightship, Buoy, Light, unlighted, Anchorage	
Mine, Veta on well, Grass, Scrub	
Palace, palace, other, Palace, Conifer, Bamboo, Other trees	
Areas: cultivated, wooded, Surveyed tree	
Boundaries, international	
State, district, subdivision, taluk or block, forest	
Boundary pillars, surveyed, unsurveyed	
Hospitals, dispensary, station, police, approximation	
Bank-mark, postoffice, factory, canal	
Post office, Telegraph office, Overhead tank	
Rail house or inspection bungalow, Circuit house, Police station	
Camping ground, Forest, reserved, protected	
Special names: administrative, locality or village	
Houses, Dispensary, Veterinary, Hospital, Dispensary	
Ancient, National, Tourist site	
Power lines with pylons surveyed, with poles unsurveyed	

REFERENCES

N.Y. # National Highway No. #1  
C.V. City

NOTES :-  
 Heights are in metres and above Indian mean sea level.  
 Contours are approximations.  
 A relative height, if represents the approximate height, in metres, between the top and bottom of a steep slope.  
 Unsurveyed roads and cart-roads in this sheet are generally impossible in dry season. Permission to use these roads is required from the irrigation authorities.  
 The latitudes shown along the railway, road and canals are shown in short type, e.g., 'S'.  
 Where reference numbers are shown in upright type, e.g., 'S'.  
 Tanks, shown dry, in this area, usually contain water from July to December.  
 Wells and tube-wells are numerous throughout the sheet, only the important ones have been shown.

COMPILED INDEX

A. Surveyed during 1955-58. Updated for major details during 2005-08.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 3° East in 2005. (increasing by about 1" annually).

Scale 1:50,000

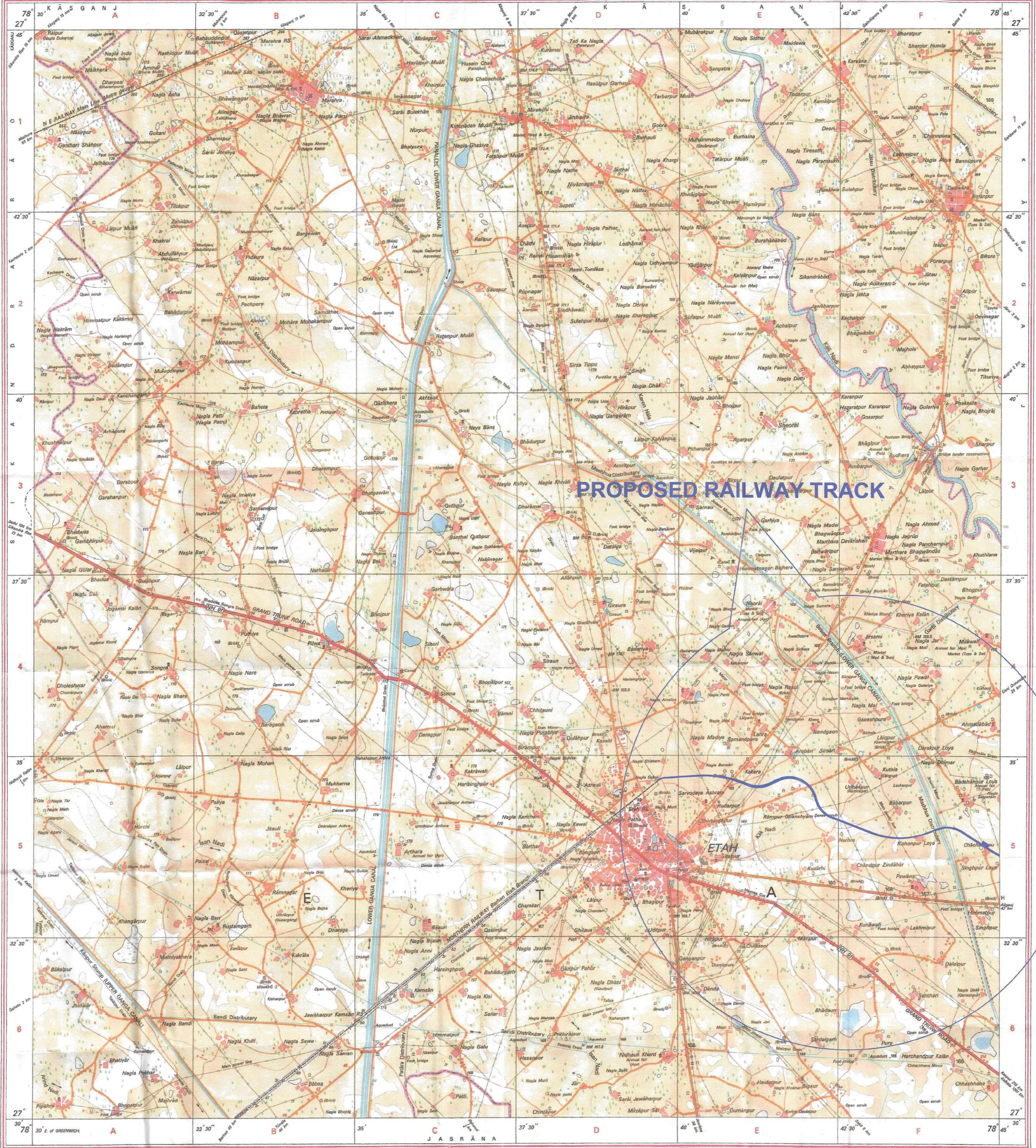
CONTOUR INTERVAL 1 METRE

For further details about this area, please contact:  
 Director  
 Uttarakhand & West Uttar Pradesh Geo-Spatial Data Centre  
 Survey of India, 17 E.C. Road, Karanpur  
 Delhi-110 001.

WEBSITE - www.surveyofindia.gov.in

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**LEGEND:-**  
 PROPOSED RAILWAY TRACK  
 PROPOSED THERMAL POWER PLANT

SHEET= 1/3

*Ravi Shanker*

Ravi Shanker (Rajeev)  
 Executive Engineer  
 Civil Construction Division-I  
 2x660MW ITPP  
 Malawan-Etah

**TOPO SHEET OF THE PROTECTED & RESERVED FOREST LAND PROPOSED TO BE DIVERTED FOR CONSTRUCTION OF RAIL NETWORK SYTEM FOR TRANSPORTATION OF COAL & OIL FROM RAILWAY STATION ETAH TO 2X660MW JAWAHARPUR THERMAL POWER PROJECT MALAWAN ETAH (UTTAR PRADESH)**



**OPEN SERIES MAP**  
**No. G44A14**  
Scale 1:50,000

G44A9 (54/9)	G44A13 (54/13)	G44B1 (54/1)
G44A10 (54/10)	<b>G44A14</b> (54/14)	G44B2 (54/2)
G44A11 (54/11)	G44A15 (54/15)	G44B3 (54/3)

1 Allahgarh, UTTAR PRADESH.  
2 Mahabubnagar, UTTAR PRADESH.  
3 Farukhabad, UTTAR PRADESH.

**भारतीय सर्वेक्षण विभाग** SURVEY OF INDIA  
1st Edition 2010. Price : Rs. 50/-

**CONVENTIONAL SYMBOLS**

Business Highway with toll with bridge with distance stone	
Roads, marked according to importance	
Unsurfaced road. Cut-road. Foot-track with post. Footpath	
Dam: masonry or rock-filled, earthen, wide	
River: dry with water channel, with island & rocks. Tidal river	
Canal: masonry or rock-filled, earthen, wide	
Water: lined, unlined, tube-well, spring, tank, perennial, dry	
Embankment: road or rail, stone, broken ground	
Railways: broad gauge, double, single with station, under construction	
Railways: other gauges: double, single with distance stone, do. do.	
Shaded line or boundary, R.R. Cutting with tunnel	
Contour with spot heights. Spot height. Contour	
Spot height (54/2000-100000) (54/2000-100000)	
Town or Village: inhabited, deserted, fort	
Habit: permanent temporary, tower, antenna	
Temple, Chhatra, Mosque, Ghat, Light, Tomb, Ghana	
Lighthouse, Lightship, Buoy, Lighted, Anchorage	
Mine: Vise on shaft, Grass, Sand	
Palisade, other, Pile, Coffin, Bamboo, Other tree	
Aster: cultivated, wooded, surveyed tree	
Boundary: International	
State boundary: International	
Height: triangulation, station, point, approximation	
Boundary: permanent, boundary, canal	
Post office, Telegraph office, Overhead tank	
Rail House or Inspection Bungalow, Chooi House, Police Station	
Camping ground, Forest reserved, protected	
Spot name: administrative, locality or tribal	
Hospital, Dispensary, Veterinary, Hospital, Dispensary	
Academy, Institute, Tourist site	
Power line: with pylon surveyed, with pole un-surveyed	

**REFERENCES**  
1st Edition: Survey of India No. 11.  
2nd Edition: Survey of India No. 11.

**NOTES**  
A relative height, 'R', represents the approximate height, in metres, between the top and bottom of a steep slope.  
Unsurfaced roads and cut-racks in this sheet are generally made in dry season. Permission to use these along roads is required from appropriate authorities.  
The distance shown along the railway, roads and canals are shown in light type, e.g., '5' whereas distance numbers are shown in upright type, e.g., '5'.  
Tanks shown only in this sheet, usually contain water from July to March.  
Wells and tube-wells are numerous throughout the sheet; only the important ones have been shown.

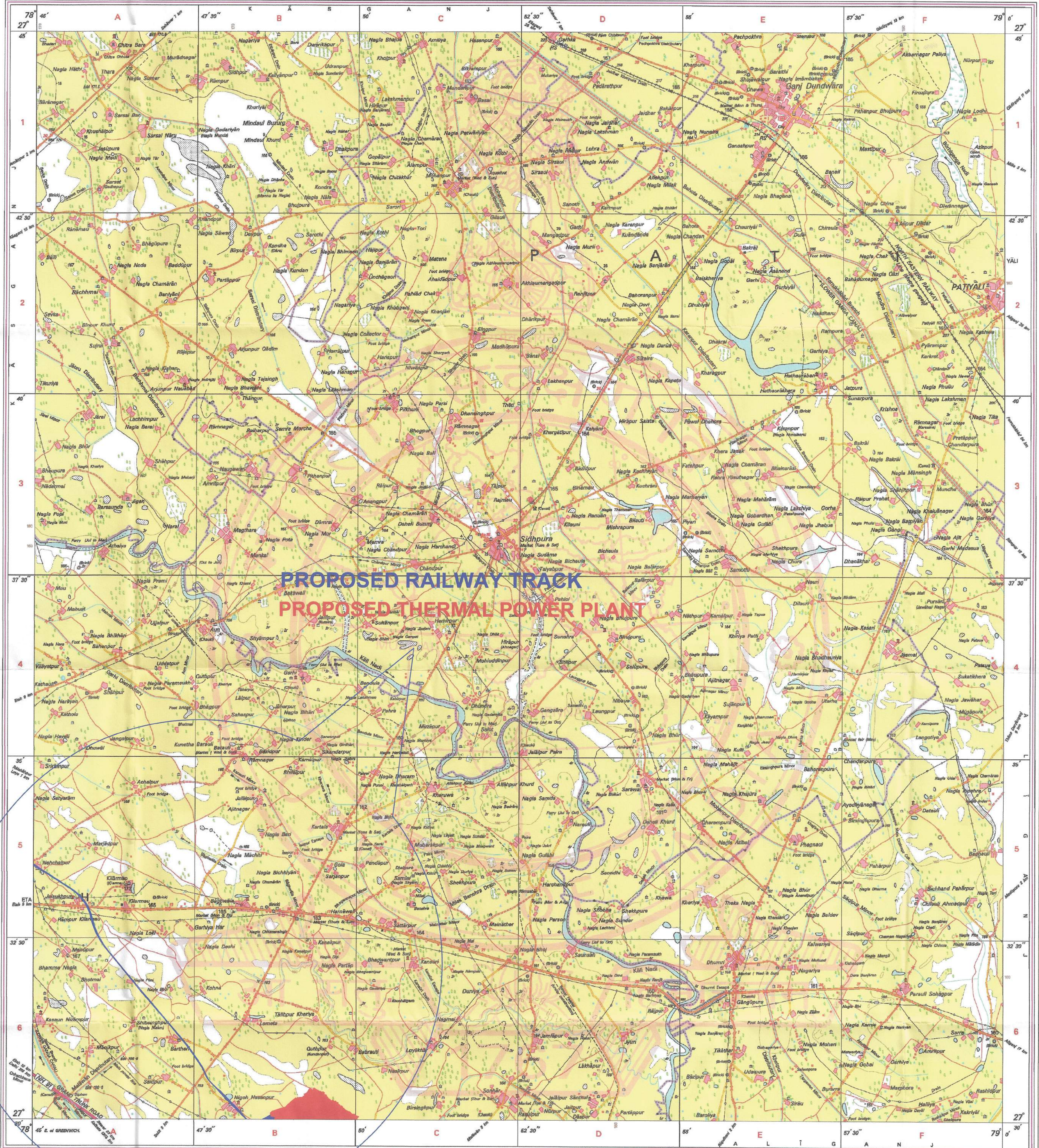
**PROJECTION INDEX**  
A. Surveyed during 1955-56. Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84  
Magnetic Variation from True North about 1/2° East in 2005  
(Increasing by about 1' annually)

Scale 1:50,000  
1 cm = 1 km

For further details about this map, please contact:  
Additional Surveyor General  
Uttarakhand & West Uttar Pradesh Geo-Spatial Data Centre  
Survey of India, 17 E.C. Road, Karanpur  
Dehra Dun.  
Fax : 0135-2656402

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PRINTED AT THE WESTERN PRINTING GROUP OF SURVEY OF INDIA.

**LEGEND:-**  
 PROPOSED RAILWAY TRACK  
 PROPOSED THERMAL POWER PLANT

SHEET= 2/3

*Ravi Shanker*

**Ravi Shanker (Rajeev)**  
Executive Engineer  
Civil Construction Division-I  
2x660MW JT  
Malawan-Etah

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**OPEN SERIES MAP**  
**No. G44A15**  
 Scale 1:50,000

G44A10 (54/10)	G44A14 (54/14)	G44B2 (54M/2)
G44A11 (54/11)	<b>G44A15 (54/15)</b>	G44B3 (54M/3)
G44A12 (54/12)	G44A16 (54/16)	G44B4 (54M/4)

1 Mahāyāgi Nagar, UTTAR PRADESH.  
 2 Budauā, UTTAR PRADESH.  
 3 Farakhabād, UTTAR PRADESH.  
 4 Etah, UTTAR PRADESH.

**भारतीय सर्वेक्षण विभाग** SURVEY OF INDIA  
 1st Edition 2011. Price: ₹ 70/-

**CONVENTIONAL SYMBOLS**

Express Highway: with toll with bridge with distance stone	
Roads, metalled: according to importance	
Unmetalled Road: Cam-track, Pack-track and pass, Foot-path	
Canals: with flow in both directions, Canal	
Dams: masonry or rock-filling, weir, Barrage	
River: dry with water channel, with island & rocks, Tidal river	
Submerged rocks, Shoal, Swamp, Reefs	
Wells: lined, unlined, Tubewell, Spring, Tank, Perennial, dry	
Embankment: road or rail, tank, Broken ground	
Railways: broad gauge: double single with station; under construction	
Railways: other gauges: double; single with distance stone etc.	
Mine: line or tramway, Kin, Cutting with tunnel	
Contours with sub-features: Rocky slopes, Cliffs, Caves	
Sand features: Dunes, Sandhills, Spurs, Sandbars, Sandbars	
Trees or groups: established, scattered, Forest	
Habit: permanent, temporary, Thicket, Artificially	
Temples, Dharm, Church, Mosque, Ghat, Tomb, Graves	
Lighthouses, Lightships, Buoys: lighted, unlighted, Anchorage	
Mine: Vene on walls, Grass, Scrub	
Palms: palm-tree, other, Plantain, Coconut, Bamboo, Other trees	
Areas: cultivated, wooded, Surveyed tree	
Boundary: International	
State: demarcated, undemarcated	
district: subdivision, taluk or thika, forest	
Boundary: Police surveyed, uncollected	
Height: triangulation station, peak, approximate	
Bench-mark: positive, tertiary, canal	
Post office, Telegraph office, Overhead tank	
First House or inspection Bungalow, Circuit House, Police Station	
Camping ground: Forest reserved, protected	
Spot names: administrative, locality or tribal	
Hospital, Dispensary, Veterinary, Hospital, Dispensary	
Aerodrome, Helipad, Tourist site	
Power line: with pylons surveyed, with pylons unsurveyed	

**REFERENCE**  
 N.P. 97 National Highway No. 97.

**NOTES**  
 Heights are in metres and above Indian mean sea level.  
 Contours are approximate.  
 The relative height, as represented the approximate height, in metres, between the top and bottom of a steep slope.  
 Tanks shown dry in this area, usually contain water from July to December.  
 Wells and tube-wells are numerous throughout the sheet, only the important ones have been shown.  
 The kilometre scale numbers along roads and canals are shown in black type only.  
 All contours and unmetalled roads in this sheet are generally measurable in dry season. Permission to use these scales is granted from irrigation authorities.  
 Aerial field and base maps are not suitable for navigation.

**COMPILED INDEX**  
 A. Surveyed during 1988-89. Updated for major details during 2008-09.

**Projection - UTM Datum - WGS 84**  
 Magnetic Variation from True North about 1/4° East in 2005, (increasing by about 1' annually)

500 m to 1 cm  
 1:50,000  
 2 cm to 1 km  
 3 Kilometres

CONTOUR INTERVAL: 10 METRES

For further details about this map please contact  
 Additional Surveyor General  
 Uttarakhand & West Uttar Pradesh Geo-Spatial Data Centre  
 17 E.C. Road, Karanpur  
 Dehra Dun 248001 (U.K.)



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