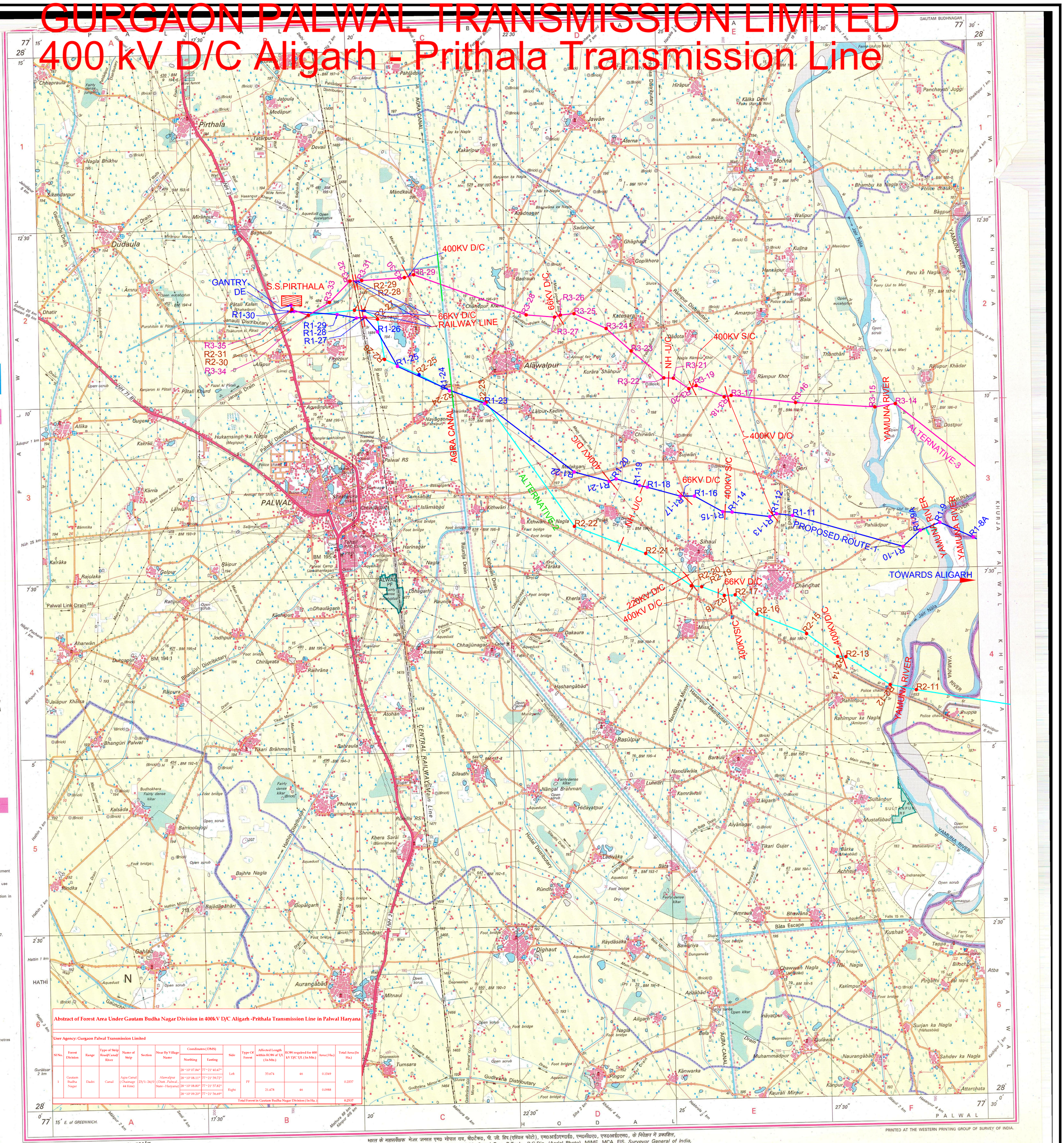
GURGAON PALWAL TRANSMISSION LIMITED
400 kV D/C Aligarh - Prithala Transmission Line



भारतीय सर्वेक्षण विभाग | SURVEY OF INDIA

OPEN SERIES MAP

No. H43X8

Scale 1:50,000

South DELHI H43X3 Gurgaon HARYĀNA	H43X7	H43X11
H43X4	Faridabād HARYĀNA H43X8	H43X12 Aligarh UTTAR PRADESH
Mewāt HARYĀNA G43F1	G43F5	G43F9 Mathura UTTAR PRADESH

1 Ghāziābād, UTTAR PRADESH. 4 Sikandrābād, UTTAR PRADESH.
2 Bharatpur, RĀJASTHAN.
3 Gautam Budhnagar, UTTAR PRADESH.

1st Edition 2007. Revised rate Rs. 118/- Price: Rs. 77/-

CONVENTIONAL SYMBOLS

Express highway: with toll; with bridge; with distance stone
Roads, metalled: according to importance
Roads, double carriageway: according to importance
Unmetalled road. Cart-track. Pack-track with pass. Foot-path
Streams: with track in bed; undefined, Canal
Dams: masonry or rock-filled; earthwork. Weir
River: dry with water channel; with island & rocks. Tidal river
Submerged rocks. Shoal. Swamp. Reeds
Wells: lined; unlined. Tube-well. Spring. Tanks: perennial; dry
Embankments: road or rail; tank. Broken ground
Railways, broad gauge: double; single with station; under constrn
Railways, other gauges: double; single with distance stone; do
Mineral line or tramway. Kiln. Cutting with tunnel
Contours with sub-features. Rocky slopes. Cliffs
Sand features: (1)flat.(2)sand-hills (permanent). (3)dunes(shifting)
Towns or Villages: inhabited; deserted. Fort
Huts: permanent; temporary. Tower. Antiquities
Temple. Chhatri. Church. Mosque. Idgāh. Tomb. Graves
Lighthouse. Lightship. Buoys: lighted; unlighted. Anchorage
Mine. Vine on trellis. Grass. Scrub
Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees
Areas: cultivated; wooded. Surveyed tree
Boundary, international
" state: demarcated; undemarcated
" district; subdivision, tahsil or tāluk; forest
Boundary pillars: surveyed; unlocated; village trijunction
Heights, triangulated: station; point; approximate. △200 .200 .200
Bench-mark: geodetic; tertiary; canal . BM 63·3 . BM 63·3 . 63
Post office. Telegraph office. Overhead tank
Rest house or Inspection bungalow. Circuit house. Police station
Camping ground. Forest: reserved; protected RF PF
Spaced names: administrative; locality or tribal KIKRI NĀGA
Hospital. Dispensary. Veterinary hospital
Aerodrome. Helipad. Tourist site
Power line: with pylons surveyed; with poles unsurveyed

REFERENCE

NH 2 National Highway No. 2

NOTES :-

Contours are approximate.
Important govt. buildings are shown in black.
Heights are in metres and above Indian mean sea level.
Tanks shown dry, in this area usually contain water from July to December.
Tube-wells are numerous throughout the sheet, only the important ones have been shown.
A relative height, e.g., 4, marked along a canal, indicates the height of the top of the canal embankment above the adjacent country.
Unmetalled roads and cart-tracks in this sheet are generally motorable in dry season. Permission to use those along canals is required from the Irrigation authorities.
The areas adjoining the Yamuna River and Jair Nāla are liable to change owing to continual fluctuation in the courses of the river and the nāla.
3,000-acre rectangulation stones of Gurgaon Project Surveys are shown as tertiary bench- marks thus:..... H 424 / 9 . BM 192·6

COMPILATION INDEX

A. Surveyed during 1991-92. Updated for major details during 2006-07.

Projection – UTM Datum – WGS 84

Magnetic Variation from True North about 1/2° East in 2005. (Increasing by about 1′ annually).

1:50,000 — 500 m to 1 cm — 2 cm to 1 km

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 10 METRES

For further details about this map, please contact
Director
Haryāna Geo-Spatial Data Centre
Survey of India, Sector 32 A
Chandīgarh.
Fax : 0172 – 2604671

WEBSITE – www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited without the written permission of Survey of India, the National Mapping Agency.

© GOVERNMENT OF INDIA COPYRIGHT, 2007.

Abstract of Forest Area Under Gautam Budha Nagar Division in 400kV D/C Aligarh -Prithala Transmission Line in Palwal Haryana

User Agency: Gurgaon Palwal Transmission Limited

Sl No.	Forest Division	Range	Type of Strip Road/Canal/ River	Name of Strip	Section	Near By Village Name	Coordinates (DMS) Northing	Coordinates (DMS) Easting	Side	Type Of Forest	Affected Length within ROW (In Mtr.)	ROW required for 400 kV D/C T/L (In Mtr.)	Area (Ha.)	Total Area (In Ha.)
1	Gautam Budha Nagar	Dadri	Canal	Agra Canal (Chainage 44 Kms)	25/1- 24/0	Alawalpur (Distt.:Palwal, State :Haryana)	28° 10′07.84″	77° 21′ 40.47″	Left	PF	33.674	46	0.1549	0.2537
							28° 10′08.11″	77° 21′ 39.72″						
							28° 10′08.80″	77° 21′ 37.82″	Right		21.478	46	0.0988	
							28° 10′09.20″	77° 21′ 36.69″						
Total Forest in Gautam Budha Nagar Division (In Ha.)														0.2537

REG. No.577(2)-WPG D'07 (Haryāna GDC-1:50,000)-1510-502'11.

भारत के महासर्वेक्षक मेजर जनरल एम० गोपाल राव, बी०टेक०, पी. जी. डिप.(एरियल फोटो), एम०आई०एम०आई०, एम०सी०ए०, एफ०आर०एस०, के निदेशन में प्रकाशित,
Published under the direction of Major General M. Gopal Rao, B.Tech., P.G.Dip. (Aerial Photo), MIME, MCA, FIS, Surveyor General of India,
Survey of India, Hāthibarkala Estate, Post Box No. 37, Dehra Dūn – 248001 (Uttarākhand)
Department of Science & Technology, Government of India.

PRINTED AT THE WESTERN PRINTING GROUP OF SURVEY OF INDIA.

ROUTE NO.	LENGTH (Km)
ALTERNATIVE ROUTE-1	29.790
ALTERNATIVE ROUTE-2	30.323
ALTERNATIVE ROUTE-3	30.790

ROUTE NO.	LENGTH (Km)	FOREST LENGTH (M)	FOREST AREA IN Ha.
ROUTE-1	29.790	55.152	0.2537
ROUTE-2	30.323	68.48	0.315
ROUTE-3	30.790	155.43	0.715

ANGLE SCHEDULE FOR PROPOSED ROUTE-1:

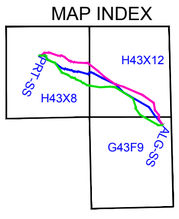
Sr.No	Angle Point	Angle of Deviation	Section Length (m)	LATITUDE (D,M,S)	LONGITUDE (D,M,S)
1	GANTRY	XX° YY′ ZZ″		27°58'32.64"N	77°43'44.90"E
2	AP1	01°17'14"LT	110.345	27°58'35.29"N	77°43'42.19"E
3	AP-1A	15°61'10"LT	2901.274	27°59'43.58"N	77°42'29.08"E
4	AP2	28°51'14"LT	437.759	27°59'56.17"N	77°42'21.64"E
5	AP3	23°53'06"LT	488.414	28°00'4.91"N	77°42'6.73"E
6	AP4	25°48'03"LT	3471.836	28°01'39.81"N	77°40'58.16"E
7	AP5	16°53'38"LT	9990.898	28°04'29.37"N	77°35'46.39"E
8	AP6	22°30'14"LT	3431.387	28°05'52.66"N	77°34'22.94"E
9	AP7A	02°01'49"LT	3220.217	28°06'38.28"N	77°32'36.82"E
10	AP8	06°40'42"LT	1470.528	28°06'57.57"N	77°31'47.55"E
11	AP8A	05°26'13"LT	3502.101	28°07'55.27"N	77°29'57.01"E
12	AP9	45°53'50"LT	958.996	28°08'8.46"N	77°29'25.18"E
13	AP9A	21°17'58"LT	554.491	28°08'2.05"N	77°29'6.20"E
14	AP10	58°59'03"LT	621.951	28°07'48.49"N	77°28'49.31"E
15	AP11	09°28'03"LT	3019.969	28°08'16.87"N	77°27'3.41"E
16	AP12	28°34'45"LT	420.146	28°08'18.61"N	77°26'48.15"E
17	AP13	29°13'11"LT	198.350	28°08'16.28"N	77°26'41.37"E
18	AP14	04°42'49"LT	995.592	28°08'20.77"N	77°26'5.25"E
19	AP15	25°01'00"LT	246.343	28°08'21.23"N	77°25'56.24"E
20	AP16	27°07'18"LT	900.948	28°08'35.09"N	77°25'27.17"E
21	AP17	15°14'55"LT	317.980	28°08'35.29"N	77°25'15.53"E
22	AP18	03°37'54"LT	895.502	28°08'43.51"N	77°24'44.05"E
23	AP19	04°20'15"LT	209.642	28°08'45.01"N	77°24'36.56"E
24	AP20	35°12'08"LT	638.017	28°08'51.10"N	77°24'14.22"E
25	AP21	34°20'12"LT	200.012	28°08'49.08"N	77°24'7.25"E
26	AP22	18°03'24"LT	949.141	28°08'57.70"N	77°23'33.86"E
27	AP24	07°12'17"LT	3967.473	28°10'10.27"N	77°21'33.73"E
28	AP25	34°08'30"LT	1509.681	28°10'32.57"N	77°20'44.45"E
29	AP26	11°12'34"LT	987.502	28°11'.68"N	77°20'27.02"E
30	AP27	54°11'00"LT	510.968	28°11'13.39"N	77°20'14.97"E
31	AP28	16°53'21"LT	221.805	28°11'12.86"N	77°20'6.87"E
32	AP29	07°31'38"LT	416.191	28°11'15.83"N	77°19'51.98"E
33	AP30	28°31'11"LT	918.303	28°11'18.51"N	77°19'18.46"E
34	AP31	00°01'17"LT	286.002	28°11'23.66"N	77°19'9.74"E
35	AP32	57°26'34"LT	135.577	28°11'26.10"N	77°19'5.60"E
36	AP33	00°00'00"LT	190.000	28°11'32.27"N	77°19'5.73"E
37	GANTRY	XX° YY′ ZZ″	85.000	28°11'35.03"N	77°19'5.79"E

Gurgaon Palwal Transmission Limited New Delhi

Vipin Singh
Associate Manager - Forest & Wildlife

N

MAP INDEX



LEGEND

PROPOSED ROUTE-1	
ALT ROUTE-2	
ALT ROUTE-3	
Power Line (66KV & Above)	
FOREST	

Scale = 1:50,000 | SHEET NO.: 1/1

Title :
ROUTE DRAWING FOR 400kV D/C ALIGARH-PIRTHALA T/L

Client :
GURGAON PALWAL TRANSMISSION LIMITED
F-1,Mira Corporates Suites, 1 & 2 Mathura Road,
Ishwar Nagar, New Delhi-110065.
Tel:+91-11-4996 2200, Direct: +91-4996 2213
Fax:+91-11-4996 2288.

Checked By:

Approved By: