



# JHARKHAND BIJLI VITRAN NIGAM LIMITED

Electric Supply Circle, Hazaribag

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## Comparative Details of Alternative Routes

[33 KV Line from Village- Padma (Sub-Station) to Village- Nachanve (Sub-Station)]

During the selection of route alignment of transmission line, necessary survey has been carried out to avoid Forest land. Besides all effort, some part of the proposed transmission line is passing through Forest and Jungle Jhari area of the **Hazaribag west Forest division** as the area are very remote and surrounded by forests.

For proposed 33 kv transmission line Padma to Nachanve all possible alternatives explored to reduce the requirement of forest area and best attempt has made to avoid Protected and Reserve forest area. We are taking the route having less involvement of forest area and alignment proposed through fragmented area (especially along the road) for the sake of development.

### Details of Alternative Route Examined

| Route                       | Total Length (Km.) | Length in Forest Area | Remark   |
|-----------------------------|--------------------|-----------------------|--|
| Route-1<br>(Proposed Route) | 6.682              | 5.072                 | Most of forest area is fragmented and transmission line proposed along the road. |
| Route-2                     | 7.178              | 5.887                 | Almost 82.01% of this routes comes under forest area.                            |
| Route-3                     | 5.486              | 5.417                 | Almost 98.7% of this routes comes under forest area.                             |

  
**Gopal Prasad Barnwal**  
Electrical Executive Engineer-Project  
Electric Supply Circle  
Hazaribagh

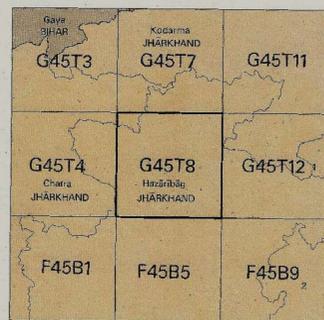


निर्यात के लिये नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. G45T8

Scale 1:50,000



1 Giridih, JHARKHAND.

2 Bokaro, JHARKHAND.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2009.

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CONVENTIONAL SYMBOLS

- Express highway with toll, with bridge, with distance stone...
Roads, metalled, according to importance...
Roads, desolate, cartway, according to importance...
Unmetalled road, cart-track, pack-track, with stone foot-path...
Streams with track in bed, underlined, Canal...
Dams, masonry or rock-filled, earthwork, Wall...
River dry with water channel, with island & rocks, Tidal river...
Submerged rocks, Shoal, Swamp, Ponds...
Wells, level, unlined, Tube-well, Spring, Tank, perennial, dry...
Embankments, road or rail, bank, Broken ground...
Railways, broad gauge, double, single with station under canopy...
Railways, other gauges, double, single with distance stone, do...
Mineral line or tramway, K.R. Casing with tunnel...
Contours with tick-markings, Rocky slopes, Cliff...
Sand features, (Hills, Dunes, like permanent), (Discontinuous)...
Towns or Villages, inhabited, deserted, Fort...
Main, permanent, temporary, Tower, Aqueduct...
Temple, Chattri, Church, Mosque, Ghat, Tomb, Graves...
Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage...
Maze, Vine on trellis, Groves, Scrub...
Palms, palmiers, other, Plantain, Coconut, Bamboo, Other trees...
Areas, cultivated, wooded, Surveilled tree...
Boundary, international...
state, demarcated, undemarcated...
district, subdivision, taluk or taluk forest...
Boundary pillars, surveyed, uncoloured, village, uncoloured...
Height, triangulated, station, point, approximate...
Bench-mark, geodetic, tertiary, canal...
Post office, Telegraph office, Overhead tank...
Rice house or inspection bungalow, Circuit house, Police station...
Camping ground, Forest reserved, protected...
Spoken names, administrative, locality or tribal...
Hospital, Dispensary, Veterinary hospital...
Aerodrome, Helipad, Tourist site...
Power line with pylons surveyed, with poles unsurveyed...

REFERENCES

NH 33 National Highway No. 33 FWD Public Works Department

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
The kilometre scale numbers along roads and canals are shown in short type, e.g. '5' whereas milestone numbers are shown in upright type, e.g. '5'.
A relative height e.g. 5' marked along a canal indicates the height of the top of the canal embankment above the adjacent country.
Tanks shown dry in this area, usually contain water from June to February.
Numerous wells exist throughout the sheet, only the important ones have been shown.
Unmetalled roads, in this sheet, against which there is no descriptive remarks, are generally notifiable in dry season.
Cart track along Lohia Left Main Canal is prepaed in dry season. Permission to use this is required from the irrigation authorities.
The triangulated heights and contours in this sheet have not been adjusted to the heights of the spirit-levelled bench-marks and may not be strictly in accordance with them.

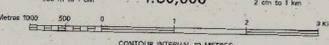
COMPILATION INDEX

A. Compiled from 1:25,000 survey 1977-78. Updated for major details during 2004-05.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2005. Decreasing by about 1" annually.

1:50,000



CONTOUR INTERVAL TO METRES

For further details about this map, please contact

Director, Jharkhand Geo-Spatial Data Centre, Survey of India, Dibranda, Ranchi-834002, Fax: 0651-242789

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ALTERNATIVE ROUTE EXMINE FOR 33 kv PADMA to NACHANWE LINE



Legend

- ..... B LINE
RUTE-1
RUTE-2
RUTE-3

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भारत के मानचित्रों के निर्यात में प्रतिबंध. Published under the direction of Surveyor General of India, Survey of India, Hathi Bakala Estate, Post Box No. 37, Dehra Dun-248001 (Uttarakhand) Department of Science & Technology, Government of India.

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