



ଓଡିଶା ବିଦ୍ୟୁତ୍ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡ.

ODISHA POWER TRANSMISSION CORPORATION LIMITED

(A Government of Odisha Undertaking)

E.H.T. (CONSTRUCTION), DIVISION, BERHAMPUR

220/132/33 KV GRID SUB STATION CAMPUS, NARENDRAPUR

AT: SANAKUSHASTHALI, P.O: BADA KUSHASTHALI, BERHAMPUR,

DIST: GANJAM, ODISHA - 760007, Ph. 9438907842,

Email: ehlc.div.bam@optcl.co.in

No. EHTC/BAM/412(9).

Date: 05.09.2024

To,

The Divisional Forest Officer,
Kalahandi North Forest Division,
Bhawanipatna, Kalahandi

Sub: - Submission of Re-DGPS Surveyed map of the Degraded Forest for the Compensatory Afforestation over an area of 25.00 Ha. Kalahandi Identified in North Podmindi (Brahmani RF) under Bhawanipatna Range in Division and Kalahandi District against forest area proposed for diversion of 135.965 Ha (Baliguda Division-94.013 Ha + Kalahandi North Division-42.953 Ha.) for construction of 220 KV DC Kalahandi Transmission line from existing 220/132 KV Grid Sub-Station at Kesinga, Kalahandi District to proposed 220/132/33 KV Grid Sub-Station at Sirttiguda under K. Nuagaon Tahasil in Kandhamal District.

Ref: - Your Memo No. 4604/3F-Diversion/2024, Dated 4th June 2024

Sir,

As per your instruction, Re-DGPS Survey of the Degraded Forest land identified / allotted in favour of Odisha Power Transmission Corporation Limited for raising Compensatory Afforestation over an area of 25.00 Ha Identified in Podamundi (Brahmanhni RF) under Bhawanipatna Range in Kalahandi North Division and Kalahandi District has been completed and also authenticated by ORSAC / Forest Authorities. 05 sets of Revised DGPS Surveyed Maps, Topo Maps and Joint Verification Reports are enclosed herewith for your kind reference and the same will be included in Forest Diversion Proposal.

Hence, you are requested to kindly take necessary action for forwarding FDP proposal along with above documents at an early date.

Yours Faithfully

Enclosure:-

1. Re-DGPS ORSAC Authentication Maps - 5nos
2. TOPO Maps - 5nos
3. Joint Verification Report - 5nos

Deputy General Manager (EI)

C.C:-

1. The Executive Director, Southern Zone, OPTCL Berhampur for kind information.
2. The CGM (CMC), OPTCL, BBSR for kind information.
3. The GM (EI), EHT(C) Circle, OPTCL, Rayagada for kind information.
4. M/s Visiointek Consultancy Services Pvt. Limited, BBSR for information and necessary action.

Received
one copy
6/9/24



ODISHA SPACE APPLICATIONS CENTRE (ORSAC)

Department of Science & Technology, Government of Odisha

ORSAC/DGPS-FD/1111/2022/(P-II) 3291 (2) dt. 28/8/2024

To

The Divisional Forest Officer,

Kalahandi North Division,

Old Govt. Bus Stand, Bhawanipatna, Kalahandi-766001

Email : dfokalahandinorth2003@gmail.com

Sub: Verification of revised DGPS Survey of identified Compensatory Afforestation land in Podmundi (Brahamhani Reserve Forest) under Bhawanipatna Range in Kalahandi North Division, Kalahandi District for the forest areas proposed for diversion for construction of 220 KV DC Transmission line from existing 220/132 KV GSS, Kesinga to proposed 220/132/33 KV GSS, Balliguda of M/s OPTCL, Berhampur.

Ref: Your letter no. 5973 / 3F – Lease./2024 dated 23.7.2024.

Sir

With reference to the subject mentioned above, this is to inform you that the DGPS Survey of identified Compensatory Afforestation land in Podmundi (Brahamhani Reserve Forest) under Bhawanipatna Range in Kalahandi North Division, Kalahandi District for the forest areas proposed for diversion for construction of 220 KV DC Transmission line from existing 220/132 KV GSS, Kesinga to proposed 220/132/33 KV GSS, Balliguda of M/s OPTCL, Berhampur has been verified by ORSAC and is certified that the map is correct at a confidence level of 95%. Total Compensatory Afforestation area comes in Podmundi (Brahamhani Reserve Forest), Kalahandi district and works out to **25.018Ha.** from the submitted .shp files and through detailed survey.

Yours faithfully,

Encl; One hard copy map

M. K. SANABADA
SCIENTIST – 'E'

Copy to: The Dy. General Manager (Elect.), E.H.T. (Construction) Division, OPTCL, GRID Sub-Substation Campus, Narendrapur, Berhampur-760001, Odisha for information.



ODISHA SPACE APPLICATIONS CENTRE (ORSAC)

Department of Science & Technology, Government of Odisha

ORSAC/DGPS-FD/1111/2022/(P-II) 3291 (2) dt. 28/8/2024.

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Copy to: The Dy. General Manager (Elect.), E.H.T. (Construction) Division, OPTCL, GRID Sub-Substation Campus, Narendrapur, Berhampur-760001, Odisha for information.

JOINT VERIFICATION REPORT FOR CA LAND

JOINT VERIFICATION OF DEGRADED FOREST LAND IN PODAMUNDI (BRAHAMHANI RESERVE FOREST) FOR COMPENSATORY AFFORESTATION IN LIEU OF DIVERSION OF 136.966 HA OF FOREST LAND (BALIGUDA DIVISION – 94.013 HA + KALAHANDI NORTH DIVISION – 42.953 HA) FOR CONSTRUCTION OF 220 KV DC TRANSMISSION LINE FROM EXISTING 220/132KV GRID SUB-STATION AT KESINGA, KALAHANDI DISTRICT TO PROPOSED 220/132/33 KV GRID SUB-STATION AT SIRTIGURA UNDER K. NUAGAON TAHASIL IN KANDHAMAL DISTRICT.

1. Joint verification was conducted in the following patch for raising Compensatory Afforestation for construction of 220 KV DC transmission line from existing 220/132 KV Grid Sub-Station at Kesinga, Kalahandi district to proposed 220/132/33 KV Grid Sub-Station at Sirttigura under K. Nuagaon Tahasil in Kandhamal District.
2. The Range Officer Bhawanipatna Range, Forester Karlapada Section and User Agency were present.
3. The following table shows the area suitable for ANR Plantation i.e. 500 no. of Plants / Ha over an area of 25.00 Ha in Podamundi (Brahamhani Reserve Forest)

S. No.	Name of the Reserve Forest	Proposed CA Land in Ha
1	Podamundi (Brahamhani Reserve Forest)	25.00
Total		25.00

4. Certified that above Degraded Forest land in 1 patch of Podamundi (Brahamhani Reserve Forest) having adequate soil depth for plantation.
5. Certified that the above degraded forest land is suitable for plantation and is free from encroachment & encumbrance.
6. Authorized that the above degraded forest land is not allotted previously to any organization.
7. Certified that the above degraded forest land will accommodate 500 numbers of seedlings per Hectare.

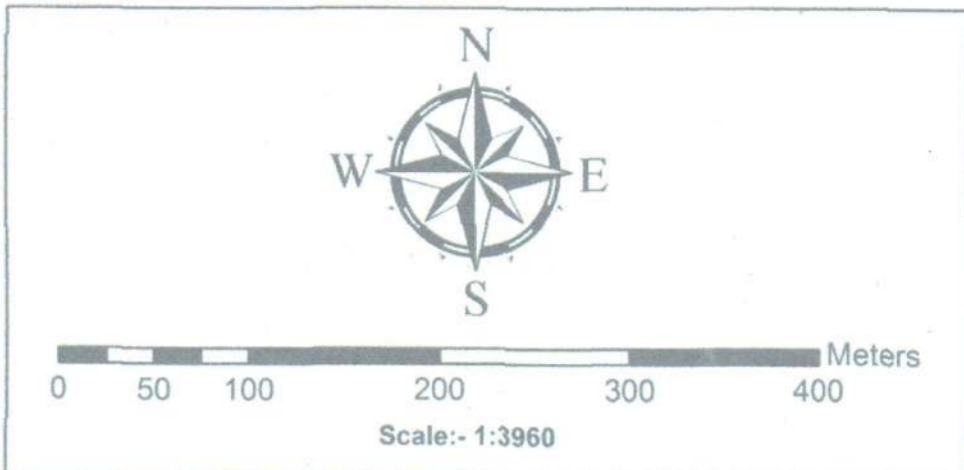
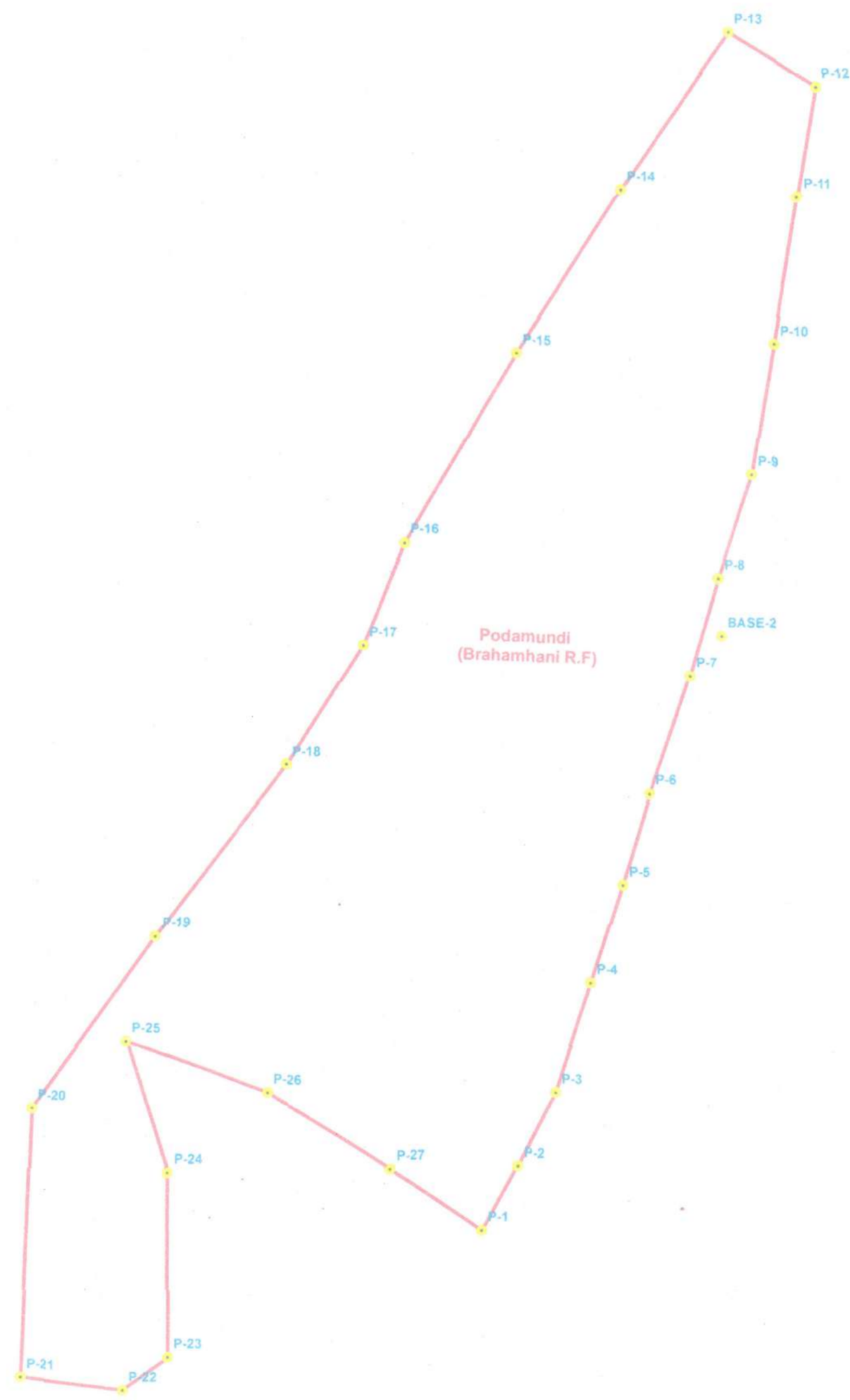
[Signature]
Deputy General Manager (Elect.)
EHT (Construction) Division
OPTCL, Berhampur

[Signature]
Signature & Seal of
Forester
Karlapada Section

[Signature]
Signature & Seal of
Forest Range Officer
Bhawanipatna Range

Signature & Seal of
Divisional Forest Officer

MAP SHOWING COMPENSATORY AFFORSTATION OVER AN AREA OF 25.00 HA IDENTIFIED IN PODAMUNDI (BRAHAMHANI RESERVE FOREST) UNDER BHAWANIPATNA RANGE IN KALAHANDI NORTH FOREST DIVISION AND KALAHANDI DISTRICT AGAINST FOREST AREA PROPOSED FOR DIVERSION OF 136.966 HA OF FOREST LAND (BALIGUDA FOREST DIVISION 94.013 HA + KALAHANDI NORTH FOREST DIVISION 42.953 HA) FOR CONSTRUCTION OF 220 KV DC TRANSMISSION LINE FROM EXISTING 220/132 KV GRID SUB-STATION AT KESINGA, KALAHANDI DISTRICT TO PROPOSED 220/132/33 KV GRID SUB STATION AT BALIGUDA (SIRTIGURA), KANDHAMAL DISTRICT.



DGPS Surveyed Co-ordinates of Podamundi (Brahmanhi Reserve Forest) Boundary Pillars				
S. No.	Point Id	Easting	Northing	Latitude
1	P-1	718435.514	2217376.481	20° 02' 27.38745" N
2	P-2	718461.852	2217429.387	20° 02' 29.09673" N
3	P-3	718490.173	2217491.110	20° 02' 31.09185" N
4	P-4	718516.815	2217582.023	20° 02' 34.03661" N
5	P-5	718539.603	2217662.338	20° 02' 36.63840" N
6	P-6	718560.151	2217738.221	20° 02' 39.09702" N
7	P-7	718589.341	2217834.516	20° 02' 42.21574" N
8	P-8	718609.947	2217915.083	20° 02' 44.82658" N
9	P-9	718635.733	2218001.845	20° 02' 47.63675" N
10	P-10	718650.733	2218109.921	20° 02' 51.14421" N
11	P-11	718667.160	2218231.899	20° 02' 55.10306" N
12	P-12	718679.782	2218322.086	20° 02' 58.02992" N
13	P-13	718611.292	2218364.798	20° 02' 59.44634" N
14	P-14	718528.522	2218235.087	20° 02' 55.26310" N
15	P-15	718449.075	2218098.572	20° 02' 50.85726" N
16	P-16	718364.863	2217939.922	20° 02' 45.73373" N
17	P-17	718332.868	2217854.959	20° 02' 42.98456" N
18	P-18	718275.627	2217755.833	20° 02' 39.78521" N
19	P-19	718174.746	2217612.258	20° 02' 35.15850" N
20	P-20	718080.119	2217468.354	20° 02' 30.51852" N
21	P-21	718075.456	2217246.995	20° 02' 23.32399" N
22	P-22	718155.382	2217238.492	20° 02' 23.01511" N
23	P-23	718190.152	2217266.212	20° 02' 23.90219" N
24	P-24	718187.730	2217417.380	20° 02' 28.81768" N
25	P-25	718153.377	2217525.591	20° 02' 32.34960" N
26	P-26	718264.693	2217485.281	20° 02' 30.99392" N
27	P-27	718362.497	2217424.960	20° 02' 28.99316" N

Area Statistics of Podamundi (Brahmanhi Reserve Forest)		
S. No.	Name of the Reserve Forest	Map Area in Ha
1	Podamundi (Brahmanhi Reserve Forest)	25.018
Total		25.018

- DGPS Survey of Revised Compensatory Afforestation Land identified in Podamundi (Brahmanhi R.F) under Bhawanipatna Range in Kalahandi North Forest Division, Kalahandi District for Compensatory Afforestation in lieu forest area proposed for diversion for Construction of 220 KV DC Transmission line from existing 220/132KV Grid Sub-Station at Kesinga, Kalahandi District to proposed 220/132/33 KV Grid Sub-Station at Sirttigura under K. Nugaon Tahasil in Kandhamal District of OPTCL, Berhampur in Odisha has been carried out by the user agency through M/s Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar.
- DGPS Survey Co-ordinates are verified by ORSAC. Also Maps showing Compensatory Afforestation land are verified with geo-referenced cadastral sheets / surveyed points compared with Ortho-rectified Cartosat Satellite image and found that maps are correct at a confidence level of 95%.
- All the Revised Compensatory Afforestation land identified in Podamundi (Brahmanhi R.F) under Bhawanipatna Range in Kalahandi North Forest Division, Kalahandi District.
- Total Revised Compensatory Afforestation land works out to **25.018Ha.** area in Podamundi (Brahmanhi R.F) from the submitted .shp files through detail survey against mentioned area of 25.00Ha. (as per D.F.O. letter).



Legend	
	Compensatory Afforestation Boundary
	Compensatory Afforestation Boundary Points

Surveyed and Prepared By:-

Visiontek Consultancy Services Pvt. Ltd.,

Forest Range Officer
Bhawanipatna Range

Forester
Karpada Section

Deputy General Manager (Elect.)
EHT (Construction) Division
OPTCL, Berhampur

TOPO MAP SHOWING COMPENSATORY AFFORSTATION OVER AN AREA OF 25.00 HA IDENTIFIED IN PODAMUNDI (BRAHAMANI RESERVE FOREST) UNDER BHAWANIPATNA RANGE IN KALAHANDI NORTH FOREST DIVISION AND KALAHANDI DISTRICT AGAINST FOREST AREA PROPOSED FOR DIVERSION OF 136.966 HA OF FOREST LAND (BALIGUDA FOREST DIVISION 94.013 HA + KALAHANDI NORTH FOREST DIVISION 42.953 HA) FOR CONSTRUCTION OF 220 KV DC TRANSMISSION LINE FROM EXISTING 220/132 KV GRID SUB-STATION AT KESINGA, KALAHANDI DISTRICT TO PROPOSED 220/132/33 KV GRID SUB STATION AT BALIGUDA (SIRTIGURA), KANDHAMAL DISTRICT.



निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. F44X4

Scale 1:50,000

F44W15	F44X3 Balingir ORISSA	F44X7
E44W16	F44X4 Kalahandi ORISSA	F44X8
E44E13	E44F1	E44F5

1 Naga, ORISSA.
2 Kandhamal, ORISSA.
3 Rayagada, ORISSA.

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2008.

Price : Rs. 80/-

CONVENTIONAL SYMBOLS

Express highway with toll; with bridge; with distance stone	...	...
Roads, metalled, according to importance	...	...
Unmetalled road, cart-track, foot-track with pass, foot-path	...	...
Stream with track in bed; unmetalled canal	...	...
Dam, masonry or rock-filled; weir	...	...
River, dry with water channel; with island & rocks; tidal river	...	...
Submerged rocks; shoal; swamp; Reeds	...	...
Well: lined, unlined; Tube-well; Spring; Tank; pond; dry	...	...
Enclosure: wall or rail, tank, Bagan ground	...	...
Railway: broad gauge; double; single with electric power; steam	...	...
Railway, other gauges; double, single with electric power; steam	...	...
Mineral line or railway: Kila, cutting with tunnel	...	...
Cuttings with steep-slopes, rocky slopes, cliffs	...	...
Sand features: (Wind-blown-hills) (parawind) (dunes) (sand dunes)	...	...
Towns or Villages: inhabited; deserted; Fort	...	...
Place: permanent; temporary; Tower; Antiquities	...	...
Temple, Church, Mosque, Idgah, Gumbaz, Dargah	...	...
Lighthouse, lighted; Buoy, lighted; lighted; lighted	...	...
Windmill; Wind on tower; Cross; Stupa; Other trees	...	...
Power: permanent; temporary; Dam; Other trees	...	...
Power: permanent; temporary; Dam; Other trees	...	...
Power: permanent; temporary; Dam; Other trees	...	...

REFERENCE

Ad 387 National Highway No. 205.

NOTES:-

1. Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, e.g., 100, indicates the height of the top of the spot above the spot below.
A relative height, e.g., 100, indicates the height of the top of the spot above the spot below.
Unmetalled roads and cart-tracks, in this sheet, are generally metalled in very season.
Towns in this sheet usually contain more than 1000 inhabitants.
Sand Pump is shown thus.

COMPILED INDEX

A. Compiled from 1:50,000 survey 1987-89. Modified for minor details during 2004-05.

Projection - UTM Datum - WGS 84

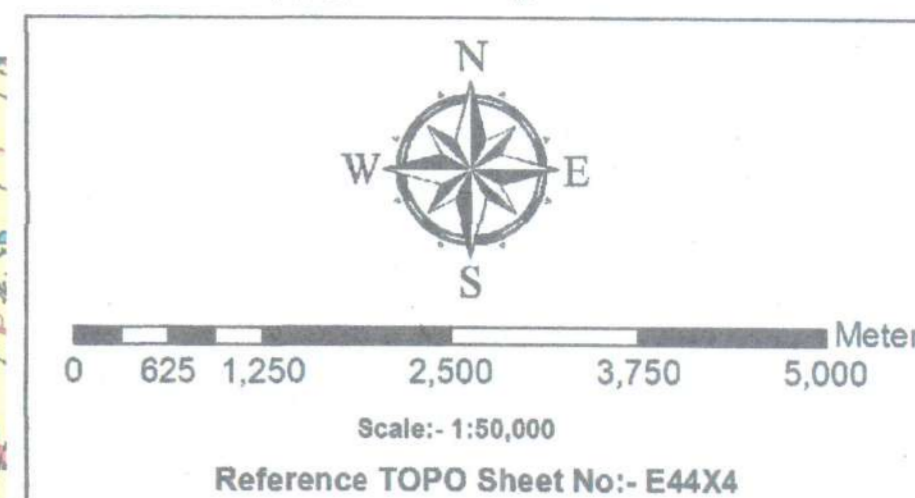
Magnetic Variation from True North about 2° West in 2005.
(Annual change negligible).

1:50,000

Scale 1:50,000

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact
Director
Orissa Geo-Spatial Data Centre
Survey of India
Survey Bhawan, PO - R R Laboratory
Bhubaneswar.
Fax : 0674 - 2304181



Legend

Compensatory Afforestation Boundary

Prepared By:-



Visiontek Consultancy Services Pvt. Ltd.

Forest Range Officer
Bhawani Patna Range

Deputy General Manager (Elect.)
EHT (Construction) Division
OPTCL, Bhubaneswar