



ODISHA SPACE APPLICATIONS CENTRE (ORSAC)

Department of Science & Technology, Government of Odisha

ORSAC/DGPS-FD/1111/2022/(P-II) 705 (2) dt. 13-2-2024.

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 Hatimunda (Thuapadar Gundi DPF) 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 220/132/33 KV GSS, Kesinga to proposed 220/33 KV GSS, Balliguda of OPTCL.

Ref: Your letter no. 9964 /3F - Diversion/2023 dated 31.12.2023.

Sir,

With reference to the above it is to inform you that, the DGPS Survey maps and data showing revised Compensatory Afforestation land identified in Hatimunda (Thuapadar Gundi DPF) 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 220/132/33 KV GSS, Kesinga to proposed 220/33 KV GSS, Balliguda of OPTCL has been verified by ORSAC and is certified that the map is correct at a confidence level of 95%. All the revised Compensatory Afforestation land identified in Hatimunda (Thuapadar Gundi DPF) under Bhawanipatna Range in Kalahandi North Division, Kalahandi District. Total revised Compensatory Afforestation land works out to **28.000Ha.** area in Hatimunda (Thuapadar Gundi DPF) from the submitted .shp files through detail survey against mentioned area of 28.00Ha. (as per D.F.O. letter).

Thanking You.

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.

**STATISTICS OF COMPENSATORY AFFORESTATION LAND IDENTIFIED IN
HATIMUNDA(THUAPADAR GUNDI DPF) UNDER BHAWANIPATNA RANGE IN KALAHANDI
NORTH DIVISION,KALAHANDI DISTRICT AGAINST FOREST AREA PROPOSED FOR
DIVERSION FOR CONSTRUCTION OF 20 KV DC TRANSMISSION LINE FROM EXISTING
220/132 KV GRID SUBSTATION AT KESINGA,KALAHANDI DISTRICT TO PROPOSED
220/132/33 KV GRID SUB -STATION AT SIRTIGURA UNDER K.NUAGAON, KALAHANDI
DISTRICT**

SL NO.	DPF NAME	MAP AREA HA.
1	HATIMUNDA THUAPADAR GUNDI DPF	28.000
TOTAL DPF AREA		28.000


 Shri M. K. Sanabada
 Scientist, ORSAC
 Bhubaneswar

VERIFICATION REPORT FOR CA LAND


JOINT VERIFICATION OF DEGRADED FOREST LAND IN HATIMUNDA THUAPADAR GUNDI DPF 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 Santpur 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 28.00 Ha in Hatimunda Thuapadar Gundi DPF

S. No.	DPF / RF Name	Proposed CA Land in Ha
1	Hatimunda Thuapadar Gundi DPF	28.00
Total		28.00

4. Certified that above Degraded Forest land in 1 patch of Hatimunda Thuapadar Gundi DPF 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.


Revenue Inspector
Bhatangpadar


Forester
Santpur Section
General Manager (Elect.)
(Construction) Division
OPTCL, Berhampur


Signature & Seal of
Forest Range Officer
Bhawanipatna Range

Signature & Seal of
Divisional Forest Officer


TAHASILDAR
LANJIGARH



OFFICE OF THE DIVISIONAL FOREST OFFICER, KALAHANDI NORTH DIVISION

IN FRONT OF THE OFFICE OF DISTRICT JUDGE, KALAHANDI OLD GOVT. BUS STAND, BHAWANIPATNA, KALAHANDI ODISHA - 766001

E-mail ID: north_kalahandi@yahoo.co.in, dfokalahandinorth2003@gmail.com Phone No. 06670-230526

Letter No. 7878 / 4F- Misc. / 2023

Dated, Bhawanipatna the 11 October' 2023

To,

The Deputy General Manager (Electrical), OPTCL,
E.H.T Construction Division,
Berhampur.

Sub: -

Allotment of 275 ha. Of degraded forest land against proposed diversion of 137.056 ha. of Forest :and 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 (Siritiguda) in Kandhamal District.

Sir,

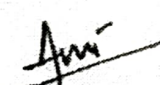
With reference to the above cited subject and correspondence, you are requested to depute your Authorized Officer to contact the Range Officer, Bhawanipatna and demarcate the area of 25 Ha. in Hatimunda (Thuapadar Gundi) and submit DGPS survey Maps with the suitability certificate of the land for raising Compensatory Afforestation and submit maps with GPS co- ordinate detail for onward transmission to ORSAC for authentication. After completing demarcation, the scheme for Compensatory Afforestation to be prepared by you in consultation with Assistant Conservator of Forests of this office. All Logistic arrangement for demarcation of the Compensatory Afforestation site is to be done at your Level.

Yours faithfully,

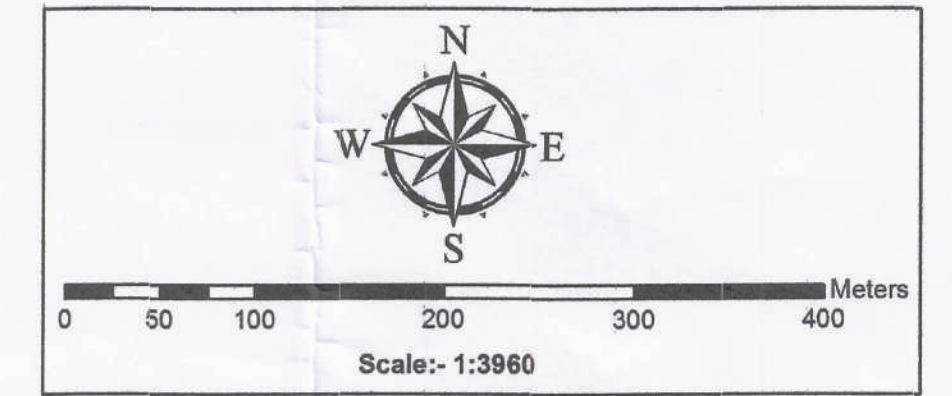

Divisional Forest Officer,
Kalahandi North Division

Memo No. 7879 / Date. 11/10/2023

Copy forwarded to the Forest Range Officer, Bhawanipatna for information necessary action.


Divisional Forest Officer,
Kalahandi North Division

MAP SHOWING COMPENSATORY AFFORSTATION OVER AN AREA OF 28.00 HA IDENTIFIED IN HATIMUNDA (THUAPADAR GUNDI DPF) 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 Hatimunda Thuapadar Gundi DPF Boundary Pillars				
S. No.	Point Id	Easting	Northing	Longitude
1	HA-1	741927.216	2204215.096	19° 55' 09.51383" N
2	HA-2	741976.697	2204115.136	19° 55' 06.24247" N
3	HA-3	742026.408	2204015.146	19° 55' 02.97000" N
4	HA-4	741902.834	2204009.415	19° 55' 02.83902" N
5	HA-5	741782.380	2204004.661	19° 55' 02.73820" N
6	HA-6	741717.038	2203936.817	19° 55' 00.56207" N
7	HA-7	741645.873	2203862.887	19° 54' 58.19068" N
8	HA-8	741598.192	2203776.241	19° 54' 55.39546" N
9	HA-9	741514.490	2203710.742	19° 54' 53.30370" N
10	HA-10	741438.109	2203651.028	19° 54' 51.39671" N
11	HA-11	741350.953	2203579.711	19° 54' 49.11734" N
12	HA-12	741267.205	2203511.102	19° 54' 46.92448" N
13	HA-13	741116.064	2203438.973	19° 54' 44.55808" N
14	HA-14	741368.213	2203361.994	19° 54' 42.03255" N
15	HA-15	741506.047	2203387.144	19° 54' 42.78862" N
16	HA-16	741641.196	2203411.826	19° 54' 43.53064" N
17	HA-17	741746.725	2203303.261	19° 54' 39.95454" N
18	HA-18	741849.913	2203197.191	19° 54' 36.46058" N
19	HA-19	741873.691	2203049.055	19° 54' 31.63476" N
20	HA-20	741889.086	2202888.196	19° 54' 28.39446" N
21	HA-21	741925.650	2202715.271	19° 54' 20.76155" N
22	HA-22	741948.814	2202572.560	19° 54' 16.11226" N
23	HA-23	741973.413	2202422.546	19° 54' 11.22495" N
24	HA-24	741889.692	2202398.760	19° 54' 10.48915" N
25	HA-25	741805.609	2202400.801	19° 54' 10.59301" N
26	HA-26	741726.529	2202541.786	19° 54' 15.21116" N
27	HA-27	741713.276	2202661.027	19° 54' 19.09107" N
28	HA-28	741711.823	2202807.142	19° 54' 23.84333" N
29	HA-29	741710.588	2202927.604	19° 54' 27.75963" N
30	HA-30	741745.847	2203046.608	19° 54' 31.61219" N
31	HA-31	741783.733	2203174.482	19° 54' 35.75193" N
32	HA-32	741664.989	2203204.909	19° 54' 36.79400" N
33	HA-33	741568.746	2203260.362	19° 54' 38.63950" N
34	HA-34	741474.567	2203313.702	19° 54' 40.41586" N
35	HA-35	741374.965	2203325.198	19° 54' 40.83311" N
36	HA-36	741277.782	2203336.504	19° 54' 41.24428" N
37	HA-37	741239.097	2203438.153	19° 54' 44.56572" N
38	HA-38	741197.997	2203539.183	19° 54' 47.86811" N
39	HA-39	741270.086	2203605.647	19° 54' 49.99645" N
40	HA-40	741333.948	2203664.787	19° 54' 51.89040" N
41	HA-41	741399.667	2203708.138	19° 54' 53.27026" N
42	HA-42	741488.107	2203756.305	19° 54' 54.79877" N
43	HA-43	741572.868	2203809.299	19° 54' 56.48134" N
44	HA-44	741627.610	2203899.382	19° 54' 59.38512" N
45	HA-45	741679.771	2203985.264	19° 55' 02.15352" N
46	HA-46	741749.135	2204055.714	19° 55' 04.41256" N
47	HA-47	741810.819	2204118.741	19° 55' 06.43376" N
48	HA-48	741869.322	2204153.671	19° 55' 07.54305" N
49	HA-49	741895.709	2204147.753	19° 55' 07.33891" N
50	HA-50	741909.506	2204181.250	19° 55' 08.42156" N

Area Statistics of Hatimunda Thuapadar Gundi DPF		
S. No.	Name of the DPF	Map_Area_Ha
1	Hatimunda Thuapadar Gundi DPF	28.000
Total		28.000

- DGPS Survey of Revised Compensatory Afforestation Land identified in Hatimunda (Thuapadar Gundi DPF) 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 Sirtigura under K. Nuagaon 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 Hatimunda (Thuapadar Gundi DPF) under Bhawanipatna Range in Kalahandi North Forest Division, Kalahandi District.
- Total Revised Compensatory Afforestation land works out to 28,000Ha. area in Hatimunda (Thuapadar Gundi DPF) from the submitted .shp files through detail survey against mentioned area of 28.000Ha. (as per D.F.O. letter).



Legend	
	Compensatory Afforestation Boundary
	Compensatory Afforestation Boundary Points
	Village Boundary

Surveyed and Prepared By:-

Visiontek Consultancy Services Pvt. Ltd.

gkult
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