

SITE SPECIFIC COMPENSATORY AFFORESTATION SCHEME

Diversion of 6.779 hectare of Forest Land for implementation of Road project from Jafrabad to Dagara by M/s. Subernarekha Port. Pvt. Limited.

Balasore Wildlife Division, Balasore

OFFICE OF THE COLLECTOR, BALASORE
(REVENUE SECTION)

No. 8267/Rev

Dated. 23/09/2022

To

The Divisional Forest Officer,
Balasore Wild Life Division, Balasore.

Subj: Diversion of Ha 6.779 Forest land for construction/strengthening of access road to Subarnarekha Port.

Sir,

With reference to the subject cited above, I am to say that, degraded forest land to the extent of Ac. 33.5400 (Ha. 13.573) has been selected in Mouza Nuagansah, Khata No. 396 (Rakhita), Plot No. 75, Kssam Jungle under Nilgiri Tahasil for compensatory afforestation in lieu of diversion of Ha.6.779 Forest land for construction/strengthening of access road to Subarnarekha Port in Baliapal Tahasil. Tahasildar Nilgiri has submitted in his Letter No. 2484 Dt. 19.09.22 that, the above land is free from encroachment and encumbrances.

The above patch of degraded Revenue forest land will be transferred and mutated in favour of the Forest Department Govt. of Odisha for compensatory afforestation on receipt of Stage-I approval under the FC Act, 1980.

Report of Tahasildar and R.I., Chhatrapur along with the trace map is enclosed herewith for further action at your end.

Yours faithfully,

Collector, Balasore

Memo No. 8268/Rev

Dated. 23/9/2022

Copy forwarded to the Sub-Collector, Nilgiri/ Tahasildar, Nilgiri for information and necessary action.

Collector, Balasore

Memo No. 8269/Rev

Dated. 23/9/2022

Copy forwarded to the Executive Vice President, Subarnarekha Port Pvt. Ltd. (Bhubaneswar) for information and necessary action.

For SUBARNAREKHA PORT PRIVATE LTD.

Authorised Signatory(ies)

Collector, Balasore

Land Schedule of Compensatory Afforestation Land as per the guideline issued in the Handbook Guideline of Forest (Conservation) Act, 1980 and Forest (Conservation) Rules, 2003 issued by the Govt. of India, MoEF& CC in lieu of diversion of 6.779 Ha. of Forest land for implementation of Road project from Jafrabad to Dagara by M/s Subarnarekha Port Private Limited.

District	Tahasil	RI Circle	Mouza	Khata No.	Plot No.	Kissam	Area selected for CA
Balasure	Nilgiri	Chhatrapur	Nuagaonsan	396 (Rakhita)	75 (P)	Jungle	14.949 ha.


Tahasildar, Nilgiri

**TAHASILDAR
NILGIRI**


Divisional Forest Officer
Balasure WL Division, Balasure

For SUBARNAREKHA PORT PRIVATE LTD.


Authorised Signatory(ies)

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OFFICE OF THE TAHASILDAR, NILGIRI, BALASORE

e-mail : tah.nilgiri-od@nic.in

Ph : (06782) 233233

No. 5087 /

Dt. 19/9/20

TO

The Collector & District Magistrate,
Balasore.

Sub: Present Status report of the proposed land bearing Khata No. 396 (Rakhit) Plot No. 75 Kissam – Jungle Area – A 93.898 dec. for compensatory afforestation in lieu of diversion.

Sir,

With reference to the subject cited above, I am to furnish herewith the report of enquiry conducted by R.I. Chhatrapur with trace map there on for the purpose of compensatory afforestation in lieu of forest land diversion for proposed rail and road connectivity to Subarnarekha Port. In this context, I am to intimate that out of total area of Ac. 215.70 dec. Kissam – Jungle, Area- Ac. 60.35 dec. has been proposed for diversion for rail connectivity and Ac.33.54dec. has been proposed diversion for road connectivity as per communication made by Port Authority. The field verification reveals that both the land patches are free from encroachment and other encumbrances.

Therefore, the land schedule as provided above may be taken forward for the purpose for which it is reported.

Yours faithfully,

Tahasildar, Nilgiri

Memo No. _____ / Dt. _____

Copy submitted to the Sub-Collector, Nilgiri / D.F.O., Wild Life Division, Balasore for kind information and necessary action.

Tahasildar, Nilgiri

Memo No. _____ / Dt. _____

Copy to the Executive Vice-President, Subarnarekha Port Pvt. Ltd., Bhubaneswar for information and necessary action.

For SUBARNAREKHA PORT PRIVATE LTD.

Authorised Signatory(ies)

Tahasildar, Nilgiri

OFFICE OF THE REVENUE INSPECTOR, ¹⁴⁶
CHHATRAPUR

Letter No-105 dt- 14/9/2022

To The Tahasildar, Nilgiri.

Sub:- Issue of Non-encumbrance and Non-encroachment certificate of village Neaganasan.

Ref:- Tahasildar office memo no- 653, dt- 15/3/22

Sir,
With due respect as per subject cited above I have visited village Neaganasan, Khata no- 396 (Rakhit), Plot no- 75, Kasam-jungle AC- 33.549 out of AC 215.70 is free from encroachment and encumbrance for the purpose of afforestation. At the time of my spot enquiry, I have not received any objection from the local villagers for afforestation against forest diversion of forest land for the purpose of road connectivity of Savarna Rekha port. This is for favour of your kind information and necessary action.

Land Schedule:-

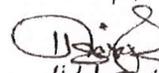
MZ- Neaganasan

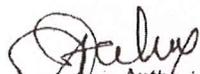
Khata- 396 (Rakhit)

Plot- 75 (jungle)

Area- AC * SAVARNA REKHA PORT PRIVATE LTD 215.70

Submitted

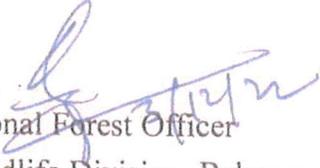

14/9/2022



Certificate

This to certify that, an area of 13.573 Ha. of degraded Revenue Forest land has been identified in one patch having gross area 14.949 Ha.. The selected Junglekismof land over Khata No. 396, Plot No. 75 of village Nuagaonsan of NilgiriTahasil under jurisdiction of Nilgiri Wildlife Range of Balasore Wildlife Division is found suitable for Compensatory Afforestation as per the guideline issued in the Handbook Guideline of Forest (Conservation) Act, 1980 and Forest (Conservation) Rules, 2003 issued by the Govt. of India, MoEF& CC in lieu of diversion of 6.779 Ha. of Forest land for implementation of Road project from Jafrabad to Dagara by M/s Subarnarekha Port Private Limited, the User Agency (UA).

Date:


Divisional Forest Officer
Balasore Wildlife Division, Balasore

For SUBARNAREKHA PORT PRIVATE LTD.

Authorised Signatory(ies)

CERTIFICATE ON DSS ANALYSIS FOR CA/ACA/PCA

This is to certify that DSS Analysis of land identified for CA/ACA/PCA and subsequent ground truthing have been done. The outcome is as mentioned below.

Sl. No.	Name of Range	Name of the Forest Block (RF/ PRF/ PF/ DPF/ Revenue Forest)	Area identified for CA/ ACA /PCA (in ha.)	Classification of identified land (in ha.)							Area suitable for plantation (in ha.)				Plantation Model (AR/ ANR)	Remarks
				Very Dense Forest	Moderately Dense Forest	Open Forest	Non-Forest	Scrub	Water	Total	Open Forest	Non-Forest	Scrub	Total		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
01	Nilgiri WL Range	Revenue Forest	CA	-	-	14.949	-	-	-	14.949	13.573	-	-	13.573	AR	-
Total				-	-	14.949	-	-	-	14.949	13.573	-	-	13.573	-	-



Divisional Forest Officer
Balasore Wildlife Division, Balasore

Countersigned

Field Director, Similipal TR -cum-
Regional CCF, Baripada Circle
Baripada.

For SUBARNAREKHA PORT PRIVATE LTD.



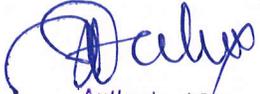
Authorised Signatory(ies)

Certificate

This to certify that, no plantation has been carried out in the plot / site identified over Khata No. 396, Plot No. 75 of village Nuagaonsan of Nilgiri Tahasil under jurisdiction of Nilgiri Wildlife Range of Balasore Wildlife Division in any scheme previously.


Divisional Forest Officer
Balasore Wildlife Division, Balasore

For SUBARNAREKHA PORT PRIVATE LTD.


Authorized Signatory(ies)

COMPENSATORY AFFORESTATION SCHEME

-: PROJECT: -

SCHEME FOR SITE SPECIFIC COMPENSATORY AFFORESTATION OVER 13.573 HA OF DEGRADED REVENUE FOREST LAND IN VILLAGE NUAGAONSAN UNDER NILGIRI TAHASIL OF BALASORE DISTRICT COMES UNDER JURISDICTION OF NILGIRI WILDLIFE RANGE OF BALASORE WILDLIFE DIVISION, BALASORE IN LIEU OF DIVERSION OF 6.779 HA. OF FOREST LAND FOR IMPLEMENTATION OF ROAD PROJECT FROM JAFRABAD TO DAGARA UNDER BALIAPAL TAHASIL OF BALASORE DISTRICT BY M/S SUBARNAREKHA PORT PRIVATE LIMITED.

Name of the Site : Degraded Revenue Forest in village Nuagaonsan (Part of Plot No. 75, Khata No. 396 (Rakhita), Kisam Jungle.)

Extent of Area : 14.949 Ha. Surveyed as per DGPS.

Net Plantable Area : 13.573 Ha.

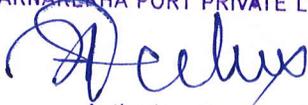
Afforestation Model : Block Plantation @ 1600 Plant per Ha.

Period of Project : 10 years

Executing Agency : Forest, Environment & Climate Change Department, Govt. of Odisha
Balasore Wildlife Division, Balasore
Nilgiri Wildlife Range, Nilgiri
Sajanagarh Section
Matiali Beat


Divisional Forest Officer
Balasore (WL) Division
Balasore

For SUBARNAREKHA PORT PRIVATE LTD.


Authorised Signatory(ies)

Introduction :

The User Agency, Subarnarekha Port Pvt. Limited have applied Forest Diversion Proposal through PARIVESH portal vide Online Application No. FP/OR/ROAD/155869/2022 for diversion of 6.779 hectare forest land of different legal status for 2-lane strengthening / widened / newly built road from Jafrabad to Subarnarekha Port via Dagara beach under Forest (Conservation) Act, 1980.

Vide Letter No. 291/Rev. dated 11.01.2022, the Collector & DM, Balasore has provided Plot No. 75, Khata No. 396, Kissam : Jungle in village Nuagaonsan under Nilgiri Tahasil for raising Compensatory Afforestation with the cost of the User Agency and requested the Divisional Forest Officer, Balasore WL Division & Tahasildar, Nilgiri to ascertain suitability of the land. Accordingly, the land has been selected for the purpose after joint verification in presence of the concerned Revenue & Forest Officials.

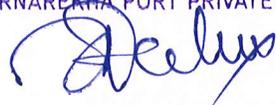
The Govt. of India, MoEF&CC (FC Division) in their F.No. 5-2/2017-FC dt.28.03.2019 have issued necessary handbook guideline & clarification on Forest Conservation Act, 1980 & Forest Conservation Rules, 2003, where Paragraph – 2.5 (f) provides special provisions for Compensatory Afforestation over degraded forest land of twice in extent of the forest area diverted in the case of the project implemented by the Central Govt. / PSUs through State Governments.

Again, Paragraph – 2.8 (ii) of the said handbook guideline prescribes Compensatory Afforestation scheme over degraded forest land shall be prepared for minimum 1000 saplings per hectare of identified CA land with 10 years maintenance.

In this respect, 13.573 hectare of Degraded Revenue Forest Land has been identified in one patch having gross area 14.949 hectare over Plot No. 75, Khata No. 396, Kissam : Jungle in village Nuagaonsan under Nilgiri Tahasil of Nilgiri Wildlife Range, Nilgiri under Balasore Wildlife Division for the purpose. The selected CA land has been depicted in Survey of India Topo Sheet No. F45010 as well as KML file also.


Divisional Forest Officer
Balasore (WL) Division
Balasore

For SUBARNAREKHA PORT PRIVATE LTD.


Authorised Signatory(ies)

Geo Coordinates of the patch identified for taking up Compensatory Afforestation

Sl. No.	Chainage (in mtr)		Geo co-ordinates							
	Pillar No.	In mtr	DD	MM	SS	Longitude	DD	MM	SS	Latitude
1	1-2	51.225	86	35	13.893	86.587193	21	31	11.981	21.519995
2	2-3	75.208	86	35	14.481	86.587356	21	31	13.553	21.520431
3	3-4	55.284	86	35	15.087	86.587524	21	31	15.933	21.521092
4	4-5	74.662	86	35	15.532	86.587648	21	31	17.682	21.521578
5	5-6	28.38	86	35	16.357	86.587877	21	31	19.984	21.522218
6	6-7	33.737	86	35	16.783	86.587995	21	31	19.152	21.521987
7	7-8	29.709	86	35	17.541	86.588206	21	31	18.314	21.521754
8	8-9	38.96	86	35	18.255	86.588404	21	31	17.617	21.521560
9	9-10	41.887	86	35	19.338	86.588705	21	31	16.856	21.521349
10	10-11	29.149	86	35	20.696	86.589082	21	31	16.364	21.521212
11	11-12	51.87	86	35	21.708	86.589363	21	31	16.315	21.521199
12	12-13	65.161	86	35	20.200	86.588945	21	31	15.390	21.520942
13	13-14	30.769	86	35	18.394	86.588443	21	31	14.111	21.520587
14	14-15	91.825	86	35	19.214	86.588671	21	31	13.469	21.520408
15	15-16	42.887	86	35	21.764	86.589379	21	31	15.265	21.520907
16	16-17	38.498	86	35	23.018	86.589727	21	31	16.019	21.521116
17	17-18	135.217	86	35	24.285	86.590079	21	31	16.422	21.521228
18	18-19	36.655	86	35	22.151	86.589487	21	31	12.503	21.520140
19	19-20	17.272	86	35	22.328	86.589536	21	31	11.323	21.519812
20	20-21	12.15	86	35	22.183	86.589495	21	31	10.777	21.519660
21	21-22	21.656	86	35	22.420	86.589561	21	31	10.451	21.519570
22	22-23	35.811	86	35	23.103	86.589751	21	31	10.154	21.519487
23	23-24	61.244	86	35	24.305	86.590085	21	31	9.849	21.519403
24	24-25	12.503	86	35	25.494	86.590415	21	31	8.197	21.518944
25	25-26	29.435	86	35	25.236	86.590343	21	31	7.870	21.518853
26	26-27	50.15	86	35	25.238	86.590344	21	31	6.912	21.518587
27	27-28	46.88	86	35	26.941	86.590817	21	31	6.561	21.518489
28	28-29	77.948	86	35	28.087	86.591135	21	31	7.645	21.518790
29	29-30	60.177	86	35	25.880	86.590522	21	31	9.115	21.519199
30	30-31	17.354	86	35	24.315	86.590088	21	31	10.414	21.519560
31	31-32	19.128	86	35	23.739	86.589928	21	31	10.581	21.519606
32	32-33	19.246	86	35	23.256	86.589793	21	31	11.008	21.519725
33	33-34	18.958	86	35	23.044	86.589735	21	31	11.602	21.519890
34	34-35	58.399	86	35	22.532	86.589592	21	31	11.990	21.519997
35	35-36	93.617	86	35	23.448	86.589847	21	31	13.684	21.520468
36	36-37	85.481	86	35	26.439	86.590678	21	31	12.485	21.520135
37	37-38	112.73	86	35	27.383	86.590940	21	31	15.121	21.520867
38	38-39	41.647	86	35	31.023	86.591951	21	31	13.762	21.520489
39	39-40	66.871	86	35	31.693	86.592137	21	31	14.962	21.520823
40	40-41	62.057	86	35	33.579	86.592661	21	31	13.691	21.520470


Divisional Forest Officer
Balasore (WL) Division


 For SUBARNAREKHA PORT PRIVATE LTD.

Sl. No.	Chainage (in mtr)		Geo co-ordinates							
	Pillar No.	In mtr	DD	MM	SS	Longitude	DD	MM	SS	Latitude
41	41-42	34.528	86	35	31.625	86.592118	21	31	12.835	21.520232
42	42-43	5.032	86	35	31.441	86.592067	21	31	11.725	21.519924
43	43-44	147.085	86	35	31.414	86.592060	21	31	11.564	21.519879
44	44-45	18.538	86	35	36.306	86.593418	21	31	10.173	21.519493
45	45-46	166.386	86	35	36.157	86.593377	21	31	9.587	21.519330
46	46-47	17.277	86	35	30.674	86.591854	21	31	11.310	21.519808
47	47-48	51.674	86	35	30.212	86.591726	21	31	10.951	21.519709
48	48-49	108.808	86	35	29.920	86.591644	21	31	9.293	21.519248
49	49-50	51.188	86	35	32.473	86.592354	21	31	6.682	21.518523
50	50-51	40.95	86	35	30.704	86.591862	21	31	6.505	21.518474
51	51-52	42.411	86	35	30.633	86.591843	21	31	5.175	21.518104
52	52-53	60.938	86	35	30.654	86.591848	21	31	3.796	21.517721
53	53-54	24.836	86	35	28.567	86.591269	21	31	4.137	21.517816
54	54-55	52.225	86	35	28.271	86.591187	21	31	3.378	21.517605
55	55-56	35.23	86	35	29.844	86.591623	21	31	2.528	21.517369
56	56-57	118.569	86	35	29.378	86.591494	21	31	1.469	21.517075
57	57-58	35.09	86	35	25.906	86.590529	21	31	3.547	21.517652
58	58-59	313.308	86	35	25.192	86.590331	21	31	2.622	21.517395
59	59-60	68.147	86	35	15.960	86.587767	21	31	8.028	21.518897
60	60-1	67.149	86	35	14.951	86.587487	21	31	10.034	21.519454

Description of area selected for taking up Compensatory Afforestation

Details of Degraded Revenue Forest Block	:	Plot No. 75, Khata No. 396 in village Nuagaonsan under Nilgiri Tahasil
Area	:	Surveyed GIS Area : 14.949 Ha. Net Plantable Area : 13.577 Ha. Perimeter : 3431.16 Mtr. or say 3432.00 Mtr.
Administrative Jurisdiction	:	Balasore Wildlife Division, Balasore Nilgiri Wildlife Range, Nilgiri Sajnararh Wildlife Section, Sajnararh Matiali Wildlife Beat
Topography	:	Gently undulating plains.
Soil Type	:	Lateritic soil
Drainage	:	Rain pour water spreads over area and mostly percolates. The area is free of water logging.


Divisional Forest Officer

For SUBARNAREKHA PORT PRIVATE LTD.



Present Vegetation	:	Degraded forest with bushy vegetation, grassy patches at some places and scatteredly contained some standing pole size crop of species Sal, Kendu, Chara, Rohini, Gohira etc.	
Type of Plantation	:	Block Plantation @ 1600 saplings per Ha. with angle iron & chain link wire mesh fencing.	
Choice of Species	:	Khaira (<i>Acacia catechu</i>) Babool (<i>Acacia nilotica</i>) Neem (<i>Azadirachta indica</i>) Bali Sissoo (<i>Dalbergia Sissoo</i>) Pahadi Sissoo (<i>Dalbergia latifolia</i>) Karanja (<i>Pongamia pinnata</i>) Kala Sirisa (<i>Albizia Lebbeck</i>)	Dhala Sirisa (<i>Albizia Procera</i>) Piasal (<i>Pterocarpus marsupium</i>) Kusum (<i>Schleichera oleosa</i>) Jamu (<i>Syzygium cuminii</i>) Arjun (<i>Terminalia arjuna</i>) Barakoli (<i>Ziziphus mauritiana</i>)

Technical Details :

Objective of the scheme : The main objective of the present scheme to take up block plantation @1600 Plants per Ha. in the degraded revenue forest land over Plot No. 75, Khata No. 396, Kissam : Jungle in village Nuagaonsan under Nilgiri Tahasil of Nilgiri Wildlife Range, Nilgiri under Balasore Wildlife Division. It further seeks suitable soil conservation measures such as one solar energy water pump, staggered trench, percolation pits, contour trench, graded earthen bund, loose boulder check dam, wire mesh loose boulder check dam, sub surface dyke and water harvesting structure as per slope & site requirement for enrichment of eco-system / ground water table and to provide rain water storage to moist the root stock of plantation during dry spell of the season.

Item of Works to be taken up :

- Geo referred survey & demarcation of the boundary : As per the map & boundary geo-coordinates provided in this scheme.
- Angle iron & chain link wire mesh fencing (250 running meter per hectare).
- Site preparation, uprooting & removal of unwanted bushy growth and regeneration pruning of the scatterly standing pole size crops.
- Soil Moisture Conservation Measures.
- Planting & Post planting operation with 10 years maintenance.
- Supervision & monitoring.
- Peoples participation


 Divisional Forest Officer
 Balasore (WL) Division

For SUBARNAREKHA PORT PRIVATE LTD.


 Authorised Signatory(ies)

Survey Demarcation of Boundary :

The identified area has been DGPS surveyed by Subarnarekha Port Pvt. Limited taking the geo-coordinates at the major turning points. The geo referred area polygon map prepared in the GIS domain with the geo-coordinates of the respective station points have been annexed to this scheme. Prior to going for any pre planting operation, the field survey & demarcation of the station points is necessary as per the geo coordinates & the field book containing forward bearing & segment distance. The area boundary station points demarcated shall be posted with T - shape precast RCC pillars of size 1.5 mtr. x 15 cm x 15 cm.

Fencing :

As this compensatory afforestation shall be with a 10 years maintenance, necessary provision of Angle iron & chain link wire mesh fencing (250 running meter per hectare) all around the plantation area along the boundary perimeter has been provided in the prescribed norm cost issued by the PCCF & HoFF, Odisha vide his Office Order No. 1109/9F-(Misc.)-387/2021 dated 08.09.2021. The year wise expenditure breakup is shown in details of work schedule with financial outlay.

Site preparation :

As the area mostly contain unwanted bushy & weed growth, prior to pitting work, the ground flora of the bushy growth, thorns, weeds shall be cut, removed & uprooted. So that, it will not coppice again & suppress the planting stock. The regular coppicing & cutting of the bushy growth shall not require cutting again if the rootstock is uprooted & removed. During the selection of the site, it is observed that the area contains scatterly existed some pole size corps. As the afforestation for 1600 plants per hectare, the existed pole size corps shall be pruned and multiple shoots shall be removed to make it established. Any leftover stumps found in the area during the site preparation shall be uprooted & removed.

Soil Moisture Conservation Measures :

The Principal Chief Conservator of Forests & HoFF, Odisha in his Office Order No. 1109/9F-(Misc.)-387/2021 dated 08.09.2021 has prescribed the norm cost for the soil conservation measures which has been included in this Compensatory Scheme. The soil moisture conservation strategy adopted in this scheme will provide collection, storage of the rain water and the water shall percolate to the root stock of the plantation during the dry spell of the season.


**Divisional Forest Officer
Balasore (W) Division**

For SUBARNAREKHA PORT PRIVATE LTD.



Planting :

The planting work will be undertaken as per norm cost prescribed by the Principal Chief Conservator of Forests & HoFF, Odisha vide his Office Order No. 1109/9F-(Misc.)-387/2021 dated 08.09.2021.

Supervision & monitoring :

The scheme shall be executed by the Divisional Forest Officer, Balasore Wildlife Division with the staff and all the prescribed records shall be maintained. In addition to the internal monitoring by the forest officer of State Government, a Monitoring Committee under item No. 3.4 (iii) of consolidated guidelines under F.C. Act., 1980 issued by MoEF shall be established with a nominee of the Central Government to oversee the stipulations including those pertaining to Compensatory Afforestation are carried out.

Peoples' Participation :

The forest management includes participation of the complete with a view to Joint Forest Management Module. The JFM Resolution 2011 shall be followed with the participation of the public in raising maintenance & further protection of the plantation stock. In the matter, the nearby village either depending on this forest area or taking part in forest management shall look into this compensatory afforestation. Ultimately, this Compensatory Afforestation may be assigned to the concerned Vana Sangrakhan Samiti (VSS) for further & future maintenance, protection & sustain.

For SUBARNAREKHA PORT PRIVATE LTD.



Authorised Signatory(ies)



**Divisional Forest Officer
Balasore (WL) Division
Balasore**

Financial outlay for Compensatory Afforestation Scheme over an area 13.573 Ha. has been identified in one patch having gross area 14.949 Ha. of degraded Revenue Forest Land selected in village Nuagaonsan under Nilgiri Wildlife Range (Nilgiri Tahasil) of Balasore Wildlife Division against 6.779 Ha. of forest land to be diverted for implementation of Road project from Jafrabad to Dagara by M/s Subarnarekha Port Private Limited.

(Wage Rate @ Rs. 333/- per MD)

Sl. No.	Description	Amount (Rs.)
1	Cost for Fencing for Compensatory Afforestation over 14.949 Ha gross area, raised outside the Forest area using Angle Iron & Chain Link Wire mesh.	57,50,351.00
2	Cost for Watering provision to CA Plantation, installing 5HP Solar Pump Set with Bore well fitted with Drip system.	93,02,900.00
3	Cost for Compensatory Afforestation (Block Plantation) @ 1600 Plants per Hectare (18moths old seedlings) over 13.573 Ha.	51,26,493.00
4	Cost for creation of Compensatory Afforestation with Stabilization of Soil & Conservation of Moisture over 13.573 ha, of CA land.	7,03,802.00
	Grand Total:	2,08,83,546.00 or rounded off to 2,08,84,000.00

(Rupees Two Crore Eight Lakh Eighty Four Thousand) only.


 Divisional Forest Officer
 Balasore Wildlife Division
 Balasore

For SUBARNAREKHA PORT PRIVATE LTD.


 Authorised Signatory(ies)

Fencing Model-F-II						
Fencing for Compesatory Plantation over 14.949 Ha.raised outside the Forest Areas using Angle Iron & Chain Link Wire mesh (250 Rmt./ Ha.)						
WAGE RATE Rs. 333/- PER MD						
Sl. No.	Item of Work	Perferable Period of Execution	Man Days	Wages	Material Cost (Rs.)	Total Cost (Rs.)
0th Year (PPO)						
1	Earth Work (Excavation of hole) in Hard Soil at a distance 3mt. 0.40 m. x 0.40m. X 0.40m.= 0.064x84=5.376 cum @ Rs. 140/-/ Cum= Rs. 753/-		36.18	12047.94	0.00	12047.94
2	metal 84x0.40m.x0.40m.x0.10m.=1.344@ Rs. 3755/cum.		0.00	0.00	75453.58	75453.58
3	Angle Iron pole of size 50mmx50mmx6mm of height 2.40mt. 84x2.40=201.60Sqmt. @ 4.50/kg./Sqmt.= 907.20 Kg @ Rs. 69.50 per Kg.				942534.45	942534.45
4	Cement Concrete (1:2:4) for fixxing the Ironangle poleusing 12mm BHG Chips 84 x 0.40m. X 0.40m. X 0.30m. = 4.032 cum @ Rs. 5487.77 cum				330716.73	330716.73
5	Cost of Chain link mess using 4mm Dia GI wire having gap size 50mm x 50mm 250 Rmtx2.10= 525 Sqmt. @ Rs. 331/ Sqmt.= Rs. 1,73,775/-				2597762.48	2597762.48
6	Double cost planting of Iron angle pole over a coat of primer using good quality enamale paint 84x 2.10x 0.20 = 35.28 Sqmt. @ Rs. 108.80/- / Sqmt.				57374.26	57374.26
7	Painting of GI Chain link mess 250 x 2.10x 2 = 1050/10 = 105 Sqmt. @ Rs. 108.80Sqmt.				170777.38	170777.38
8	Transportation of Chain link mess, Iron angles, Straghenning & tieling of chain link mess etc. @ 2% of the total cost.				83733.34	83733.34
	Total		36.18	12047.94	4258352.21	4270400.15
1st Year Maintenance						
1	No Maintenance is required	Sep/Oct	0	0	0	0
2nd Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11/-	Sep/Oct	0	0	164439.00	164439.00
3rd Year maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11/-	Sep/Oct	0	0	164439.00	164439.00
4th Year Maintentance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11/-	Sep/Oct	0	0	164439.00	164439.00


Divisional Forest Officer
Balasure (WL) Division
Balasure

For SUBARNA REKHA PORT PRIVATE LTD.

 Authorised Signatory(ies)

5th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11/-	Sep/Oct	0	0	164439.00	164439.00
6th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11/-	Sep/Oct	0	0	164439.00	164439.00
7th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11/-	Sep/Oct	0	0	164439.00	164439.00
8th Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11/-	Sep/Oct	0	0	164439.00	164439.00
9th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11/-	Sep/Oct	0	0	164439.00	164439.00
10th Year Maintenance						
1	Maintenance of wire mess fence @ 1% per running mt. cost of installation in 1st yr. 1142 x 1% = 11.42 say Rs. 11/-	Sep/Oct	0	0	164439.00	164439.00

Abstract					
Sl. No.	Year	No. Person days	Labour cost @ 333/- per day	Material Cost	Total Cost (Rs.)
1	0th Year	36.18	12047.94	4258352.21	4270400.15
2	1st Year	0	0	0.00	0.00
3	2nd Year	0	0	164439.00	164439.00
4	3rd year	0	0	164439.00	164439.00
5	4th Year	0	0	164439.00	164439.00
6	5th Year	0	0	164439.00	164439.00
7	6th Year	0	0	164439.00	164439.00
8	7th Year	0	0	164439.00	164439.00
9	8th Year	0	0	164439.00	164439.00
10	9th Year	0	0	164439.00	164439.00
11	10th Year	0	0	164439.00	164439.00
	Total	36.18	12047.94	5738303.21	5750351.15


 Divisional Forest Officer
 Balasore Wildlife Division, Balasore

For SUBARNAREKHA PORT PRIVATE LTD.


 Authorised Signatory(ies)

Watering Model- W-III					
Watering provision to CA Plantation					
Solar System (one Solar Energy Pump / 13.573 Ha. Plantation, Wage rate @ 333/-					
Year of Installation (0th Year)					
1	Cost of Borewell				8,00,000.00
2	Installation of Solar panel & other System				6,00,000.00
3	Cost of 5.0 HP submersible motor with accessories				4,00,000.00
4	Water Storage Tanks / Flexible pipes				4,00,000.00
Total					22,00,000.00
Cost of Water per plant (24,00,000/21760) = Rs. 101/-					
Cost of Water per Ha. = Rs. 1,61,600/-					
1st Year Watering					
a.	Cost of Water Rs. 54 x 1600 x 13.573 Ha.				0.00
b.	Watering 1600 Plants (Nov. - Mar) @ 200 plants / MD with 7 days rotation x 5 months = 160 MD x 333 = Rs. 53,280/-	32 MD			724608.00
Total					724608.00
2nd Year Watering					
a.	Cost of Water per plant @ 20% of installation year cost 101 x 20% = 20.20 or Rs. 20/- 1600 plants = Rs. 20 x 1600 plants = Rs. 32,000/-	For			435200.00
b.	Watering 1600 Plants (Apr. to June & Nov. to Mar.= 8months) @ 200 plants / MD with 7 days rotation 32 MD x 8 months = 256 MD x 333 = Rs. 85,248/-				1159373.00
Total					1594573.00
3rd Year Watering					
a.	Cost of Water per plant @ 20% of installation year cost 101 x 20% = 20.20 or Rs. 20/- 1600 plants = Rs. 20 x 1600 plants = Rs. 32,000/-	For			435200.00
b.	Watering 1600 Plants (Apr. to June & Nov. to Mar.= 8months) @ 200 plants / MD with 7 days rotation 32 MD x 8 months = 256 MD x 333 = Rs. 85,248/-				1159373.00
Total					1594573.00
4th Year Watering					
a.	Cost of Water per plant @ 20% of installation year cost 101 x 20% = 20.20 or Rs. 20/- 1600 plants = Rs. 20 x 1600 plants = Rs. 32,000/-	For			435200.00
b.	Watering 1600 Plants (Apr. to June & Nov. to Mar.= 8months) @ 200 plants / MD with 7 days rotation 32 MD x 8 months = 256 MD x 333 = Rs. 85,248/-				1159373.00
Total					1594573.00
5th Year Watering					
a.	Cost of Water per plant @ 20% of installation year cost 101 x 20% = 20.20 or Rs. 20/- 1600 plants = Rs. 20 x 1600 plants = Rs. 32,000/-	For			435200.00
b.	Watering 1600 Plants (Apr. to June & Nov. to Mar.= 8months) @ 200 plants / MD with 7 days rotation 32 MD x 8 months = 256 MD x 333 = Rs. 85,248/-				1159373.00
Total					1594573.00
Abstract					
Sl. No.	Year	No. Person days	Labour Cost @ Rs. 333/- per day	Material Cost	Total Cost (Rs.)
1	0th Year	0	0.00	2200000.00	2200000.00
2	1st Year	2176.00	724608.00	0.00	724608.00
3	2nd Year	3481.60	1159373.00	435200.00	1594573.00
4	3rd Year	3481.60	1159373.00	435200.00	1594573.00
5	4th Year	3481.60	1159373.00	435200.00	1594573.00
6	5th Year	3481.60	1159373.00	435200.00	1594573.00
Total		16102.40	5362100.00	3940800.00	9302900.00


 Divisional Forest Officer
 Balasore Wildlife Division, Balasore

For SUBARNAREKHA PORT PRIVATE LTD.


 Authorised Signatory(ies)

**Compensatory Afforestation (Block Plantation) @ 1600 Plants per Hectare(18 months old seedling)
Scheme over 13.573 Ha. in village Nuagansan under Nilgiri Tahasil in Lieu of Diversion of 6.779 Ha. of
Forest land for implementation of Road project from Jafrabad to Dagara by Subarnarekha Port Pvt. Ltd.**

WAGE RATE RS. 333/- PER MANDAY

Sl. No.	Item of Work	Perferable Period of Execution	No. of Mandays	Labour Cost (in Rs.)	Meterial Cost (in Rs.)	Total Cost (in Rs.)
0th Year (Advance Work) Pre-Planting Operation						
1	Survey, Demarcation and Pillar posting	Nov/Dec	27.20	9057.60	0.00	9057.60
2	Preparation of Treatment Map (Digital Map)	Nov/Dec	13.60	4528.80	1360.00	5888.80
3	Site preparation (Cleaning & removal of debris)	Nov/Dec	163.20	54345.60	0.00	54345.60
4	Creation of 4.00mt. Wide Inspection Path	Feb/Mar	13.60	4528.80	0.00	4528.80
5	Alignment and stacking	Feb/Mar	27.20	9057.60	0.00	9057.60
6	Digging of pits (45cm. X 45cm. X 45 cm) in hard and gravelly soil	Feb/Mar	870.40	289843.20	0.00	289843.20
7	Construction of Temporary Labour Shed, Drinking Water facility and First-Aid etc.	Jan/Mar	0.00	0.00	47600.00	47600.00
	Total		1115.20	371361.60	48960.00	420321.60
1st Year / Planting Year						
1	Refilling of pits by altering the dugout soil of the pits, application of Organic compounds/ CDM/ FYM & mixing the same perfectly.	June/ Jul	163.20	54345.60	108800.00	163145.60
2	Transportation of 18 months old polythene bag seedlings in hired truck/ tractor form the permanent / Mega nursery of planting site including Loading & unloading. (Average lead of 10Rkm) & stacking the seedling @ Rs. 6/- / seedling. (1760 Nos.)	Jul/Aug	0.00	0.00	143616.00	143616.00
3	Watering polypot seedlings at planting site	Jul/Aug	40.80	13586.40	0.00	13586.40
4	Conveyance of polypot seedlings on head load from the stacking site to individual dugout pits within the planting site, applying insectide, fertilizer & planting after scooping the soil with other applied materials and pressing the soil perfectly around the planted seedling.	Jul/Aug	489.60	163036.80	0.00	163036.80


**Divisional Forest Officer
Balasore (WL) Division**

For SUBARNAREKHA PORT PRIVATE LTD.


Authorised Signatory(ies)

5	Cost of Fertilizer & Insecticide (a) NPK/ Bio-fertilizer @ 50mg/plant as basal dose = 80kg @ Rs. 30/- per kg = Rs. 2400.00 (b) Urea/ Vermicompost/ Mo Khata / any other fertilizer @ Rs. 1200.00 (c) Insecticide/ Bio-pesticide @ 5gms/plant = 8kg @ Rs. 150/- per kg = Rs. 1200/-.	Jul/Aug	0.00	0.00	65280.00	65280.00
6	Casualty Replacement @ 10% (160 nos.)	Jul/Aug	54.40	18115.20	0.00	18115.20
7	1st Weeding & Manuring	Aug/Sept	204.00	67932.00	0.00	67932.00
8	2nd Weeding, Soil working (1mt. Diametre around the plants) & Manuring	Oct/Nov	272.00	90576.00	0.00	90576.00
9	Fire line tracing (2m. Wide fire line over 400 m long) including maintenance of inspection path	Feb/Mar	40.80	13586.40	0.00	13586.40
10	Watch & Ward including watering as per requirement	Aug - Mar	163.20	54345.60	0.00	54345.60
Total			1428.00	475524.00	317696.00	793220.00

2nd Year Maintenance

1	Transportation of 160 seedlings from Nursery to plantation site including loading unloading & conveyance by Tractor @ Rs. 6/- per seedling	Jul	0.00	0.00	13056.00	13056.00
2	Casualty replacement - 10%	Jul	54.40	18115.20	0.00	18115.20
3	Cost of Fertilizer & Insecticide A) Cost of Insecticide / Bio-fertilizer (Thement/ Forate0 @ 5gms/plant = 0.8kg @ Rs.150/- per kg = Rs. 120.00 B) Urea/ NPK/ Vermicompost / Mo Khata / any other fertilizer @ Rs. 4486/-	Aug/Sept	0.00	0.00	62642.00	62642.00
4	Weeding (Complete weeding), Manuring & Soil working, (1mt. Diametre around the plants)	Sep/ Oct	272.00	90576.00	0.00	90576.00
5	Fire line tracing (2m. Wide fire line over 400 m. long) & Inspection path	Feb/Mar	40.80	13586.40	0.00	13586.40
6	Watch & Ward including watering as per requirement	Apr / Mar	244.80	81518.40	0.00	81518.40
7	Maintenance of Temporary Labour Shed, Drinking Water facility and First-Aid etc.			0.00	13600.00	13600.00
Total			612.00	203796.00	89298.00	279494.00

For SUBARNAREKHA PORT PRIVATE LTD.


Divisional Forest Officer
Balasore (WL) Division
Balasore


Authorised Signatory(ies)

3rd Year Maintenance						
1	<u>Cost of Fertilizer & Insecticide</u> Urea/ NPK/ Bio Fertilizer/ Vermicompost / Mo Khata / any other fertilizer	Sep/Oct	0.00	0.00	61010.00	61010.00
2	Weeding, Manuring & Soil working, (1mt. Diametre around the plants)	Sep/Oct	272.00	90576.00	0.00	90576.00
3	Fire line tracing (2m. Wide fire line over 400 m. long) & Inspection path	Feb/Mar	40.80	13586.40	0.00	13586.40
4	Watch & Ward including watering as per requirement	Apr / Mar	244.80	81518.40	0.00	81518.40
5	Maintenance of Temporary Labour Shed, Drinking Water facility and First-Aid etc.				13600.00	13600.00
Total			557.60	185680.80	61010.00	246690.80
4th Year Maintenance						
1	Fire line tracing (2m. Wide fire line over 400 m. long) & Inspection path	Feb/Mar	40.80	13586.40	0.00	13586.40
2	Watch & Ward	Apr / Mar	244.80	81518.40	0.00	81518.40
Total			285.60	95104.80	0.00	95104.80
5th Year Maintenance						
1	Fire line tracing (2m. Wide fire line over 400 m. long) & Inspection path	Feb/Mar	40.80	13586.40	0.00	13586.40
2	Watch & Ward	Apr / Mar	244.80	81518.40	0.00	81518.40
Total			285.60	95104.80	0.00	95104.80
6th Year Maintenance						
1	Fire line tracing (2m. Wide fire line over 400 m. long) & Inspection path	Feb/Mar	40.80	13586.40	0.00	13586.40
2	Pruning of branches, Singling out of multiple shoots	Jan/Mar	68.00	22644.00	0.00	22644.00
2	Watch & Ward	Apr / Mar	244.80	81518.40	0.00	81518.40
Total			353.60	117748.80	0.00	117748.80
7th Year Maintenance						
1	Fire line tracing (2m. Wide fire line over 400 m. long) & Inspection path	Feb/Mar	40.80	13586.40	0.00	13586.40
2	Watch & Ward	Apr / Mar	244.80	81518.40	0.00	81518.40
Total			285.60	95104.80	0.00	95104.80

For SUBARNAREKHA PORT PRIVATE LTD.


Divisional Forest Officer
Balasore (WL) Division


Authorised Signatory(ies)

8th Year Maintenance						
1	Fire line tracing (2m. Wide fire line over 400 m. long) & Inspection path	Feb/Mar	40.80	13586.40	0.00	13586.40
2	Watch & Ward	Apr / Mar	244.80	81518.40	0.00	81518.40
Total			285.60	95104.80	0.00	95104.80
9th Year Maintenance						
1	Fire line tracing (2m. Wide fire line over 400 m. long) & Inspection path	Feb/Mar	40.80	13586.40	0.00	13586.40
2	Watch & Ward	Apr / Mar	244.80	81518.40	0.00	81518.40
Total			285.60	95104.80	0.00	95104.80
10th Year Maintenance						
1	Fire line tracing (2m. Wide fire line over 400 m. long) & Inspection path	Feb/Mar	40.80	13586.40	0.00	13586.40
2	Watch & Ward	Apr / Mar	244.80	81518.40	0.00	81518.40
Total			285.60	95104.80	0.00	95104.80

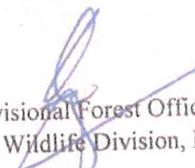
For SUBARNAREKHA PORT PRIVATE LTD.


Authorised Signatory(ies)


Divisional Forest Officer
Balasore (WL) Division
Balasore

Year wise Abstract of Cost Norm (showing seedling Cost Separately)

Sl. No.	Year	No. Person days	Labour Cost @ Rs. 333/- per day (Rs.)	Material Cost (in RS.)	Cost of Seedlings @ Rs. 53.05 per Seedlings	Monitoring Evaluation Learning Documentation & Other Contingency (5%) of (4+5)	Total Cost	One time cost (2025-26) (Area : 13.6 Ha.)
1	2	3	4	5	6	7	8	9
1	0th Year	1115.2	371361.60	48960.00	0.00	21016.08	441337.68	504179.20
2	1st Year	1428	475524.00	317696.00	1269804.80	39661.00	2102685.80	2557792.80
3	2nd Year	612	203796.00	89298.00	115436.80	14654.70	423185.50	540124.00
4	3rd Year	557.6	185680.80	61010.00	0.00	12334.54	259025.34	366424.80
5	4th Year	285.6	95104.80	0.00	0.00	4755.24	99860.04	137808.80
6	5th Year	285.6	95104.80	0.00	0.00	4755.24	99860.04	144663.20
7	6th Year	353.6	117748.80	0.00	0.00	5887.44	123636.24	188074.40
8	7th Year	285.6	95104.80	0.00	0.00	4755.24	99860.04	159487.20
9	8th Year	285.6	95104.80	0.00	0.00	4755.24	99860.04	167484.00
10	9th Year	285.6	95104.80	0.00	0.00	4755.24	99860.04	175834.40
11	10th Year	285.6	95104.80	0.00	0.00	4755.24	99860.04	184620.00
Total:		5780.00	1924740.00	516964.00	1385241.60	122085.20	3949030.80	5126492.80


 Divisional Forest Officer
 Balasore Wildlife Division, Balasore

For SUBARNAREKHA PORT PRIVATE LTD.


 Authorised Signatory(ies)

Nursery Cost for raising of 50000 (18 months) seedlings								
Wage rate @ Rs.333.00 per MD								
Sl. No.	Item of work	Preferable Period of Ececution	Unit	Unit Cost	No./ Qty.	Labour Cost	Material Cost	Total Cost
1	2	3	4	5	6	7	8	9
A. 1st Financial Year (Seedlings Cost for 3 Months)								
1	Cost for Polythene (9"x5'x200G) 300 nos./ Kg.= 3.33 Kg. @ Rs. 208/- per Kg. (including GST)	Nov-Dec	Kg.	208	166.5	0	34632	34632
Procurement of raw & crude Polypot Mixture (Soil, Sand & CDM in ration (2:1:1))								
2	(i) Soil	Nov-Dec	Cft.	10	1100	0	11000	11000
	(ii) Sand	Nov-Dec	Cft.	16	550	0	8800	8800
	(iii) CDM/ Vermi compost/ Bio-Fertilizers etc.	Nov-Dec	Cft.	25	550	0	13750	13750
	(iv) Insecticide / Bio-Pesticide	Nov-Dec	Kg.	150	100	0	15000	15000
3	Preparation of Soil Mixture includes pulverisation, Straining & mixing the ingredients in proper ration. (2:1:1)	Nov-Dec	MD	333	100	33300	0	33300
4	Filling of polythene bags & setting in the bed	Nov-Dec	MD	333	150	49950	0	49950
5	Collection of Seed, Grading & Treatment	Dec.	MD	333	100	33300	0	33300
6	Preparation of germination bed & dibbling of seed.	Jan	MD	333	25	8325	0	8325
7	Pricking out the Seedlings from germination beds & transplanting in the Poly bags and providing	Jan	MD	333	100	33300	25000	58300
8	Watering (Jan to March)	Jan-Mar	MD	333	450	149850	0	149850
9	Maintenance of Nursery including fencing	Jan-Mar	MD	333	200	66600	25000	91600
10	Contingencies (Water can, Buckets, Nursery shed, Electricity charges/ Diesel charges/ maintenance of pump set/ Maintenance of Nursery, etc.)	-	-	0	0	0	23025	23025
Total:		-	-	-	-	374625	156207	530832

For SUBARNAREKHA PORT PRIVATE LTD.


Authorised Signatory(ies)


Divisional Forest Officer
Balasore (V.L.) Division
Balasore

Sl. No.	Item of work	Preferable Period of Execution	Unit	Unit Cost	No./ Qty.	Labour Cost	Material Cost	Total Cost
1	2	3	4	5	6	7	8	9
B. 2nd Financial Year (Shifting of Seedlings to larger Polythene bag to avoid root coiling & better growth) April- March								
1	Watering for 3 months (April to June)	April- June	MD	333	450	149850	0	149850
2	Cost of Insecticide/ Bil-Pesticide	May-June	Kg/Lt	0	0	0	20000	20000
3	Application of insecticides/ Bio-Pesticide	May-June	MD	333	50	16650	0	16650
4	Cost of Poly pot (12"x10"x300 gauge) 60 nos. = 17 Kg. & Rs. 208 per Kg. (including GST)	May-June	Kg	208	850	0	176800	176800
Procurement of raw & crude Polypot Mixture (Soil, Sand & CDM in ration (2:1:1)								
5	(i) Soil	Apr/May	Cft.	10	5000	0	50000	50000
	(ii) Sand	Apr/May	Cft.	16	2500	0	40000	40000
	(iii) CDM/ Vermi compost/ Bio-Fertilizers etc.	Apr/May	Cft.	25	2500	0	62500	62500
	(iv) Insecticide / Bio-Pesticide	Apr/May	Kg.	150	150	0	22500	22500
6	Preparation of Soil Mixture includes pulverisation, Straining & mixing the ingredients in proper ration. (2:1:1)	Oct-Nov	MD	333	300	99900	0	99900
7	Filling of polythene bags & setting in the bed	Oct-Nov	MD	333	1750	582750	0	582750
8	Collection of Seed, Grading & Treatment	Oct-Mar	MD	333	950	316350	0	316350
9	Preparation of germination bed & dibbling of seed.	April-Mar	MD	333	750	249750	0	249750
10	Contingencies (Water can, Buckets, Nursery shed, Electricity charges/ Diesel charges/ maintenance of pump set/ Maintenance of Nursery, etc.)						20000	20000
Total:		-	-	-	-	1415250	391800	1807050

C. 3rd Financial Year (Maintenance upto Planting) April-June

1	Watering for 3 months (April to June)	April-June	MD	333	600	199800	0	199800
2	Weeding Shifting and grading	April-June	MD	333	200	66600	0	66600
3	Cost of Insecticides/ Bio-Pesticide			333		0	20000	20000
4	Application of Insecticides / Bio-Pesticide		MD	333	50	16650	0	16650
5	Contingencies						11500	11500
Total:		-	-	-	-	283050	31500	314550

For SUBARNAREKHA POWER PRIVATE LTD.
For SUBARNAREKHA POWER PRIVATE LTD.

Divisional Forest Officer
Balasore (WL) Division

Authorised Signatory(ies)

ABSTRACT				
	Item of work	Labour Cost	Material Cost	Total Cost
A	1st Financial Year (Seedlings Cost for 3 Months)	374625	156207	530832
B	2nd Financial Year (12 Months)	1415250	391800	1807050
C	3rd Financial Year (3 Months)	283050	31500	314550
Total:		2072925	579507	2652432
Cost per 18 months old Seedlings = Rs.26,52,432.00 / 50,000 = Rs. 53.05/-				

- 1 Priority must be given to the indigenous local species available nearby to the site of plantation.
- 2 10% indigenous fruit bearing trees must be preferred to plantation.

Divisional Forest Officer
Balasore Wildlife Division, Balasore

For SUBARNAREMHA PORT PRIVATE LTD.

Authorised Signatory(ies)

SMC Works Model-C			
Scheme for Creation of Compensatory Afforestation with Stabilization of Soil & Conservation of Moisture over 13.573 ha of CA land(1600 Plants / Ha.)			
WAGE RATE - 333/- PER DAY			
Sl. No.	Item of Works	Perferable Period Execution	Total Cost
0th Year (Pre-Planting Operation)			
1	Nil		0
1st Year			
2	Soil conservation measure structures like Staggered Trench, Percolation pit, Contour trench, Graded earthen bund, LBCD, Wire mesh LBCD, Slupb surface Dyke & WHS as per the slope & site requirement on LS	Apr/Sep	439878
2nd Year			
3	Maintenance of SMC structure @ 15% of initial year cost.	Apr/Jul	65981
3rd Year			
4	Maintenance of SMC structure @ 15% of initial year cost.	Apr/Jul	65981
4th Year			
5	Maintenance of SMC structure @ 15% of initial year cost.	Apr/Jul	65981
5th Year			
6	Maintenance of SMC structure @ 15% of initial year cost.	Apr/ Jul	65981
Total			703802

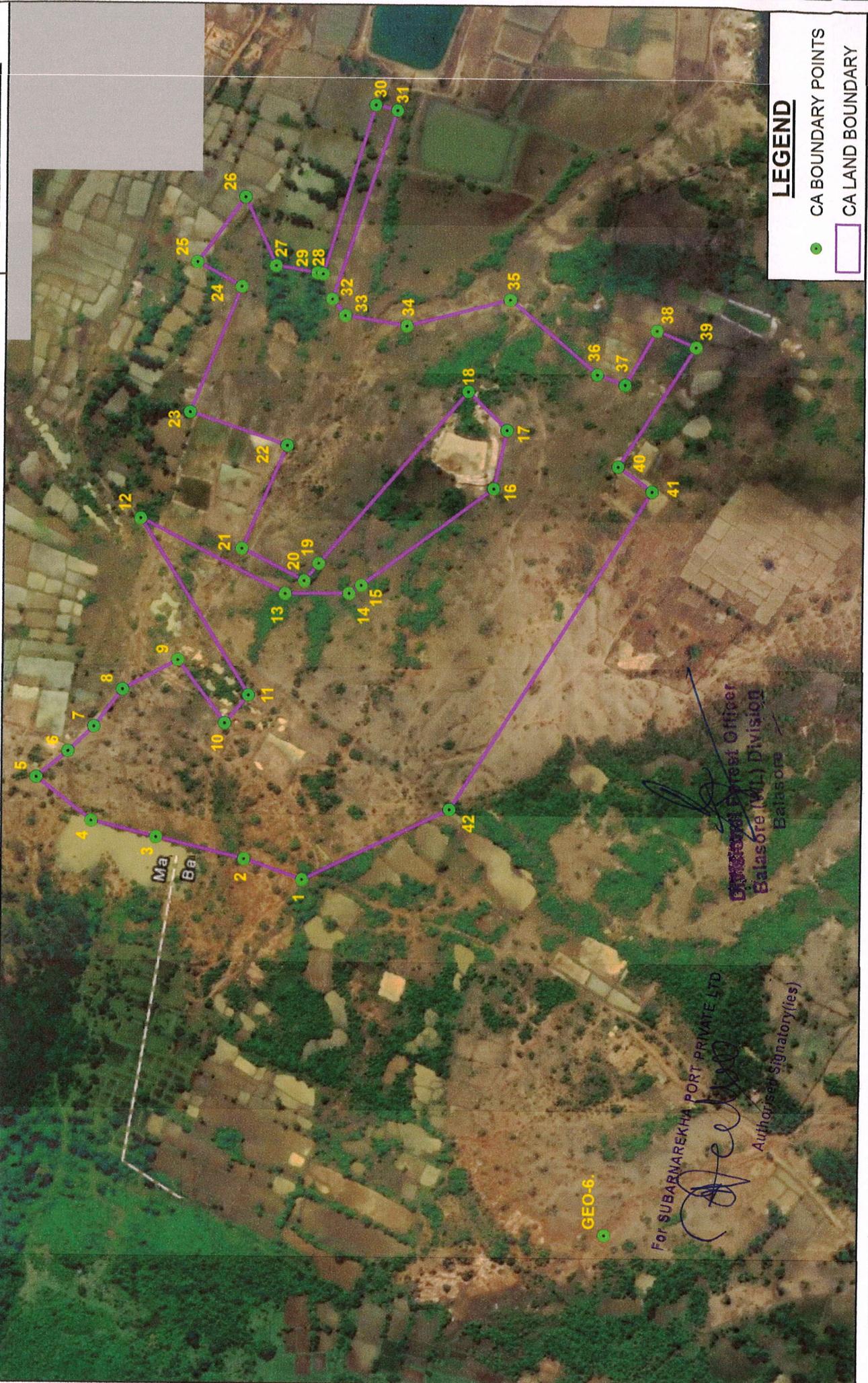
Abstract					
Sl. No.	Year	No. Person Days	Labour cost @ Rs. 333/- per day	Material Cost	Total Cost (Rs.)
1	0th Year	0	0	0	0
2	1st Year	0	0	439878	439878
3	2nd Year	0	0	65981	65981
4	3rd Year	0	0	65981	65981
5	4th Year	0	0	65981	65981
6	5th Year	0	0	65981	65981
Total		0	0	703802	703802


 Divisional Forest Officer
 Balasore Wildlife Division, Balasore

For SUBARNAREKHA PORT PRIVATE LTD.


 Authorised Signatory(ies)

**GOOGLE MAP SHOWING REVENUE FOREST GOVT. LAND
 AT VILLAGE NUAGANSAN IN NILGIRI TAHASIL OF BALASORE DISTRICT
 FOR COMPENSATORY AFForestation AGAINST FOREST DIVERSION OF PROPOSED CORRIDOR
 OF ACCESS ROAD OF UBARNAREKHA PORT PROJECT IN BALASORE DISTRICT.**



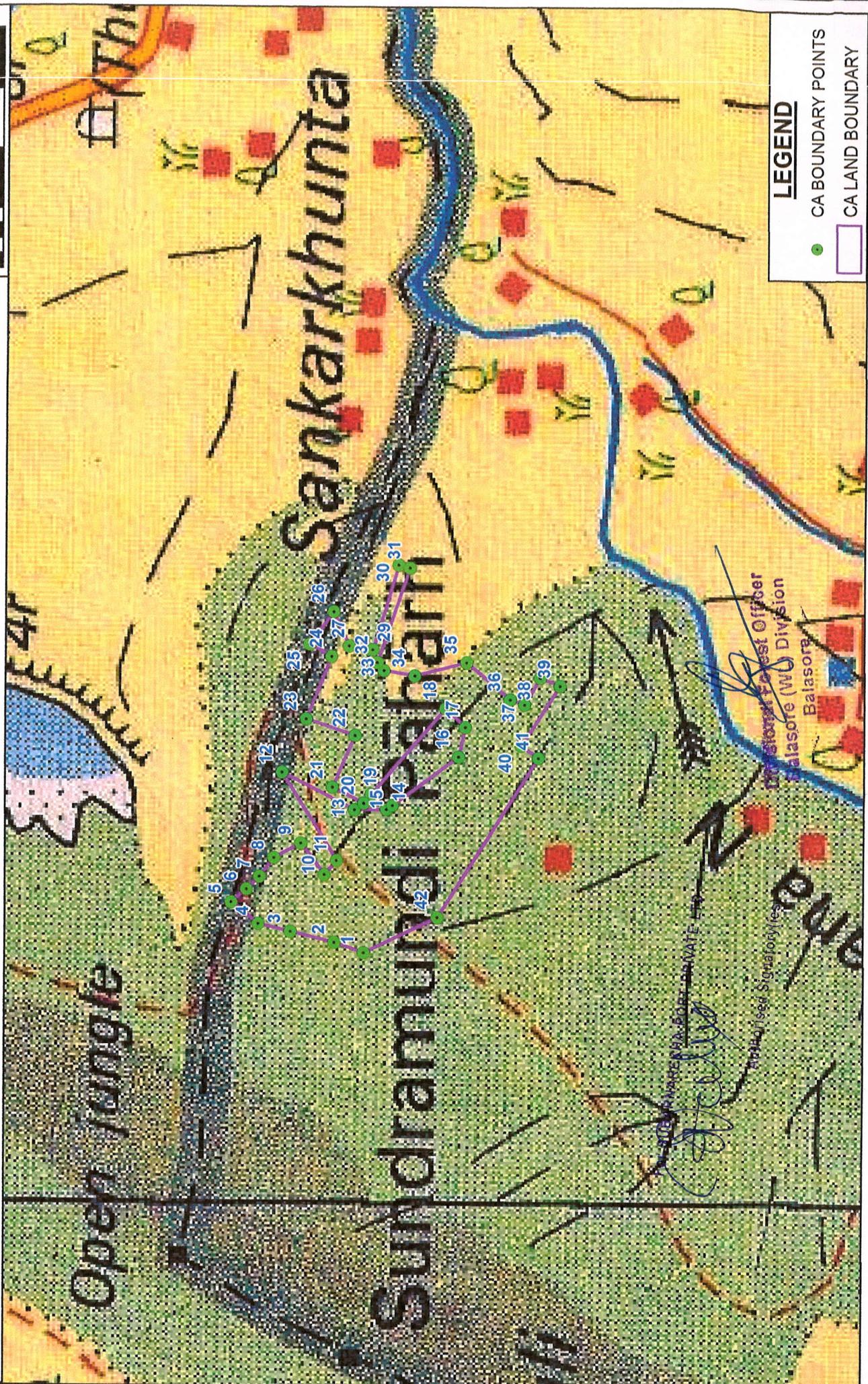
LEGEND

- CA BOUNDARY POINTS
- CA LAND BOUNDARY

For SUBARNAREKHA PORT PRIVATE LTD.
[Signature]
 Authoriser Signatory(I/es)

[Signature]
 District Forest Officer
 Balasore (WL) Division
 Balasore

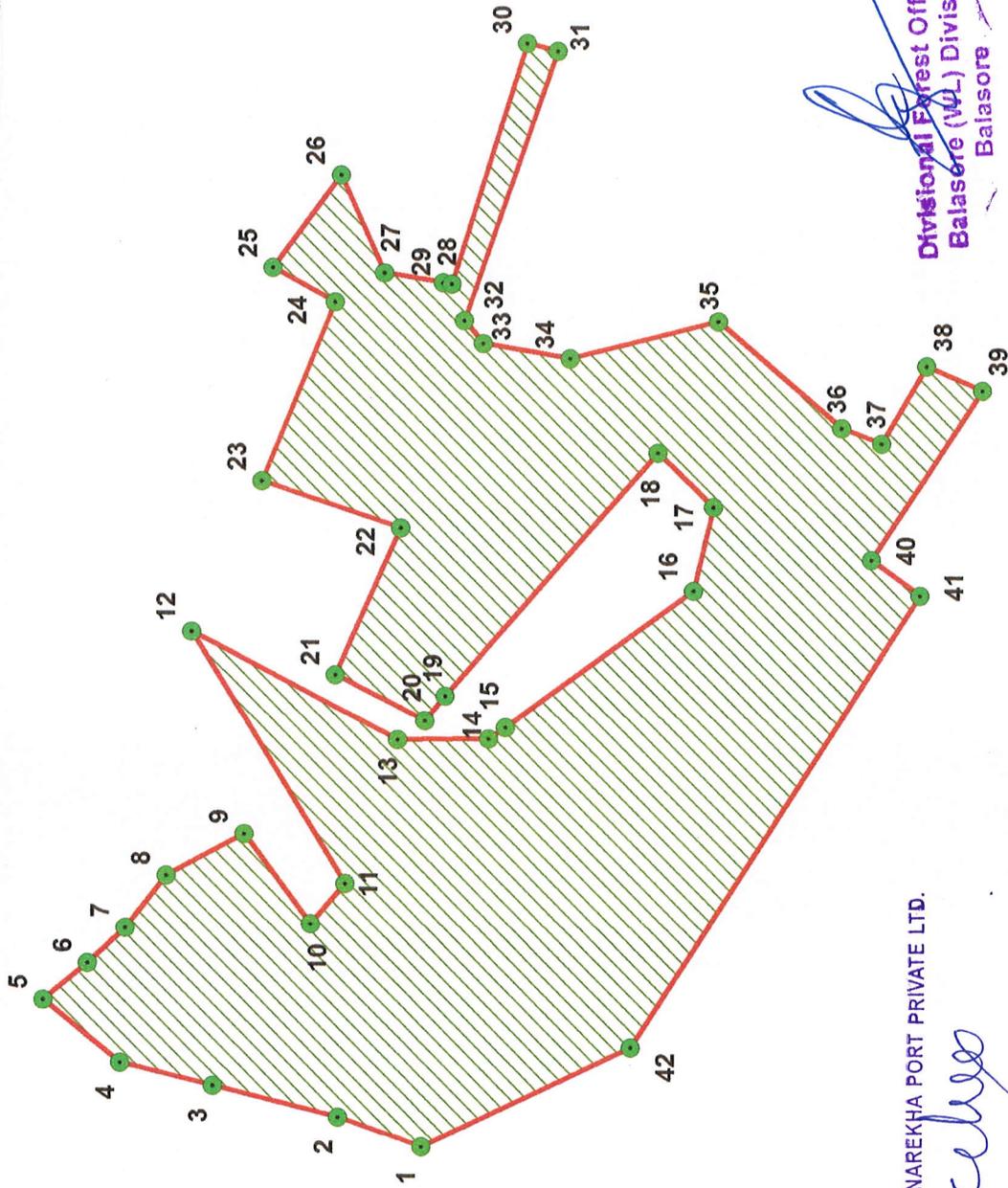
**TOPO MAP SHOWING REVENUE FOREST GOVT. LAND
 AT VILLAGE NUAGANSAN IN NILGIRI TAHASIL OF BALASORE DISTRICT
 FOR COMPENSATORY AFForestation AGAINST FOREST DIVERSION OF PROPOSED CORRIDOR
 OF ACCESS ROAD OF UBARNAREKHA PORT PROJECT IN BALASORE DISTRICT.**



LEGEND

- CA BOUNDARY POINTS
- CA LAND BOUNDARY

**DGPS SURVEYED MAP SHOWING REVENUE FOREST GOVT. LAND
AT VILLAGE NUAGANSAN IN NILGIRI TAHASIL OF BALASORE DISTRICT
FOR COMPENSATORY AFFORESTATION AGAINST FOREST DIVERSION OF PROPOSED CORRIDOR
OF ACCESS ROAD OF UBARNAREKHA PORT PROJECT IN BALASORE DISTRICT.**



For SUBARNAREKHA PORT PRIVATE LTD.

[Signature]
Authorised Signatory(ies)

[Signature]
Divisional Forest Officer
Balasore (W.L.) Division
Balasore

LEGEND



AREA STATISTICS OF CA LAND

SL No.	VILLAGE NAME	KHATA No.	PLOT No.	KISSAM	APPLIED AREA IN AC.	APPLIED AREA IN Ha.	MAP AREA IN Ha.
1	NUAGANSAN	396	75(P)	JUNGAL	33.549	13.577	13.831
TOTAL					33.549	13.577	13.831