


**SCHEME FOR
SITE SPECIFIC COMPENSATORY
AFFORESTATION SCHEME
OVER**

**40.00 Ha OF DEGRADED REVENUE FOREST LAND
IDENTIFIED IN VILLAGE DHARMANAGAR UNDER
HARBHANGA TAHASIL AND BOUDH FOREST
DIVISION OF BOUDH DISTRICT**

**FOR
WIDENING OF EXISTING 2-LANE TO 2-LANE
WITH 1.5M. WIDE PAVED SHOULDER FROM KM
0/0 TO 81/00 & 93/0 TO 119/0 OF N.H-157**

SUITABILITY CERTIFICATE

Certified that 40.00 Ha. of Forest Land identified in village Dharmanagar under Harbhanga Tahsil and Boudh district is suitable for the purpose of Compensatory Afforestation in ANR model @400 plants per Ha. in lieu of Forest land over 27.343 Ha to be diverted for widening of existing 2-lane to 2-lane with 1.5m wide paved shoulder from Km. 0/0 to 81/00 & 81/00 to 93/0 to 119/0 of NH-157 on EPC mode.


Divisional Forest Officer,
Boudh Forest Division

Introduction :

The ministry of Road transport & Highway as accorded Technical approval for widening of existing 2-lane to 2-lane with 1.5m. wide paved shoulder from Km 0/0 to 81/00 & 81/00 to 93/0 to 119/0 of N.H-157 on EPC mode vide Letter no NH-12037/29/2015/ORS-/P-5 Dtd-12.06.2015.

The project corridor of NH-157 running through three major districts i.e Boudh, Kandhmal, Ganjam. It is evident from the history of this road that the road was earlier being a state highway named as SH-1 and later converted to Vijayawada - Ranchi corridor. The total length of this road is 159 km. Out of which from 0/0 to 91/0 km is under the Jurisdiction of N.H. Division Sambalpur and rest portion from 91/0 to 157/0 km is under N.H Division Berhampur.

The Total forest land involved in this Project is 27.343 ha . Out of which 7.722 ha of forest land involved under Phulbani Forest division and 19.621 ha of forest land involved under Ghumusur North Forest division. The User Agency has applied the forest diversion proposal for diversion of forest land in the respective forest division vide proposal no: FP/OR/Road/31054/2017.

Land involved:

The Tahasildar Harbhanga has identified 101.687 Ac or 40 ha of Parbat Kisam (Revenue Forest) of land in village Dharmanagar under Harbhanga tahasil of Boudh District. The land is at a distance nearly 51 km from Boudh township and 19 km from Purunakatak Forest Range. An all weather road exist right up to the site selected for Comp. Affn.

Further the P.C.C.F Odisha has instructed to identify the 40 ha of degraded forest land in Boudh District for diversion of forest land of 27.343 ha under Forest Diversion of Ghumsar North vide his letter No:7532 dt 06.04.2018 (copy enclosed). Accordingly the Tahasildar Harbhanga has given a letter regarding availability of encroachment free and suitable for Compensatory Afforestation land vide his letter No:1462 dt 04.08.2013 (copy enclosed)

Land Schedule

Village	Khata No	Plot No	Kissam	Total Area of plot in Ac	Area allotted for CA in Ac	Remarks
Dharmanagar	46	23	Parbat (Jungle)	38.70	36.55	Full
Dharmanagar	46	24	Parbat (Jungle)	20.00	19.27	Full
Dharmanagar	46	25	Parbat (Jungle)	25.00	21.78	Part
Dharmanagar	46	32	Parbat (Jungle)	25.00	21.182	Part
TOTAL					98.782	

Description of the existing vegetation:

The land identified for this project for raising Comp. Affn. is fairly open having Bushy undergrowth & forest having less economic species. The Canopy density varies from 0.2 to 0.3 in different places of the site identified and hence requires minimal site clearance before taking up plantation activity. The site has been selected as per the new guideline of MoEF & CC dated 08.11.2017 and has been jointly verified by Revenue and Forest Deptt. officials in the presence of User Agency.

GPS Reading Surveyed points:

Sl. No.	EASTING	NORTHING	LONGITUDE	LATITUDE
1	249631.413	2282293.002	84°35' 50.905"	20°37' 23.399"
2	249656.972	2282270.142	84°35' 51.799"	20°37' 22.669"
3	249730.632	2282216.008	84°35' 54.369"	20°37' 20.945"
4	249572.834	2281995.028	84°35' 49.035"	20°37' 13.687"
5	249706.021	2281896.587	84°35' 53.683"	20°37' 10.551"
6	249175.117	2281911.509	84°35' 35.347"	20°37' 10.781"
7	249179.446	2282108.83	84°35' 35.396'	20°37' 17.196"

8	249152.697	2282109.545	84°35' 34.472"	20°37' 17.207"
9	249147.663	2282114.111	84°35' 34.296"	20°37' 17.353"
10	249144.918	2282109.783	84°35' 34.203"	20°37' 17.211"
11	249048.33	2282110.922	84°35' 30.868"	20°37' 17.201"
12	249039.507	2281915.461	84°35' 30.664"	20°37' 10.844"
13	248650.848	2281926.495	84°35' 17.241"	20°37' 11.016"
14	248649.675	2281922.585	84°35' 17.202"	20°37' 10.888"
15	248608.876	2281926.395	84°35' 15.792"	20°37' 10.992"
16	248607.315	2282125.044	84°35' 15.636"	20°37' 17.448"
17	248508.572	2282127.743	84°35' 12.226"	20°37' 17.488"
18	248508.096	2282183.464	84°35' 12.181"	20°37' 19.299"
19	248511.588	2282183.464	84°35' 12.302"	20°37' 19.300"
20	248525.876	2282169.653	84°35' 12.802"	20°37' 18.858"
21	248543.497	2282168.859	84°35' 13.411"	20°37' 18.841"
22	248561.595	2282174.098	84°35' 14.033"	20°37' 19.020"
23	248568.58	2282188.703	84°35' 14.267"	20°37' 19.498"
24	248522.542	2282206.483	84°35' 12.668"	20° 37' 20.054"
25	248500.158	2282236.646	84°35' 11.880"	20°37' 21.023"
26	248507.62	2282245.853	84°35' 12.133"	20°37' 21.326"
27	248554.61	2282246.171	84°35' 13.755"	20°37' 21.359"
28	248565.087	2282322.847	84°35' 14.077"	20°37' 23.856"

TOPOGRAPHY & SOIL

The site is shown in Topo sheet No. 73 D/10. The soil type occurring in the area is shallow, somewhat excessively drained, gravelly loamy soils on moderately hill slopes with loamy surface, susceptible to erosion, associated with deep and well drained soil at certain places.

CLIMATIC CONDITION

The climatic condition of the area supports growth of dry deciduous forest and experiences an average annual rain fall of 75 – 100 cm. and maximum temperature 45⁰C. The summer season is from March to June, winter from October to January and rainy season is from June to September.

OBJECTIVE OF THE SCHEME

It is a mandatory requirement under the provision of F.C. Act, 1980

Apart from that

- (i) To improve the condition of existing forest by way of afforestation activities by planting indigenous forest species available in the nearby forests.
- (ii) To enhance soil productivity through soil and moisture conservation measures.
- (iii) To stabilize the ratio between water run-off during rainy season and that of dry season and enhance groundwater level by augmenting water seepage through the soil.

PLANTATION MODEL

ANR Plantation with 400 plants per ha. in gap will be taken up in the site followed by maintenance of plantation for 10 years as per the requirement stated in F.No. 11-168/2009-FC Date 14.2.2012 of MoEF, Govt. of India.

DETAIL OF YEAR WISE BREAK UP OF REQUIREMENTS OF FUNDS IS AS UNDER

Sl. No.	Item of Work	Preferable period of Execution	Labour in Mandays	Labour Cost (Rs) Rs. 280/-	Material Cost (Rs)	Total Cost in (Rs)
0 th Year						
1	Survey, Demarcation and Pillar Posting, GPS Reading with mapping	Nov/Dec	2	560	0	560
2	Site Preparation	Nov/Dec	2	560	0	560
3	Silvicultural Operation including clearance of			1400		1400

	weed, climber cutting, high stump cutting, singling of shoots etc	Jan/Feb	5		0	
4	Nursery cost (6 months old seedling) part @ Rs 12.43/- seedling (Rs. 8.67 in 0 th year + Rs. 3.76 in 1 st year) for 440 seedling (400 + 40)	Jan-Mar	11	3080	735	3815
5	Contingency and Unforeseen Expenditures		0	0	165	165
	Sub Total		20	5600	900	6500
6	Monitoring & Supervision charge 5% of the total cost					325
	GRAND TOTAL		20	5600	900	6825
1st Year						
1	Nursery cost (6 months old seedling) balance @ Rs. 3.76 for 440 seedlings.	Apr-June	5	1400	255	1655
2	Pitting 30 cm cube size	Feb/Mar	12	3360	0	3360
3	Carriage and planting including casualty replacement	Jul/Aug	10	2800	0	2800
4	Complete weeding, Soil working, manuring	Aug/Sep	12	3360	0	3360
5	Cost of Vermi compost 200 gms/plant @ Rs 20/- per kg = Rs 1600.00 and Granular Insecticide 5 gms/ plant @ Rs 80/- per kg = Rs 160.00	Aug/Sep	0	0	1760	1760
6	Cost of Chemical Fertiliser a. Urea 70 gms/plant in two subsequent doses @ Rs 6/- per kg = Rs 168.00 b. NPK 50 gms/ plant @ Rs 24/- per kg = Rs 480.00 as basal dose	Jul/Aug	0	0	648	648
7	Silvicultural Operation involving clearance of weeds, cutting of climbers, singling of shoot etc.	Sep/Oct	15	4200	0	4200
8	Soil conservation measures (staggered trenches of dimension 2m X 0.5m X0.5m @ 60 nos per ha) or its equivalent	Sep/Oct	20	5600	0	5600
9	Fire line tracing and inspection path	Feb/Mar	3	840	0	840
10	Watch & Ward	Aug-Mar	7	1960	0	1960
11	Contingency and unforeseen expenditure		0	0	319	319
	Sub Total		84	23520	2982	26502
12	Monitoring & Supervision charge 5% of the					1325

	total cost					
	GRAND TOTAL		84	23520	2982	27827

2nd Year

1	Casualty Replacement including cost of seedling, carriage and planting.	Jul/Aug	2	560	497.20	1057
2	Complete weeding and cultural operations	Sept/Oct	4	1120	0	1120
3	Soil working and manuring	Sept/Oct	4	1120	0	1120
4	Cost of fertilizers and Insecticide a. Vermicompost 200gms/ plant @ Rs 20/- per kg = Rs. 1600.00 b. Granular Insecticides 5 gms/ Plant for 40 plants 200 gms @ Rs 80/- per kg = Rs.16.00	Sept/Oct	0	0	1616	1616
5	Fire line tracing and inspection path	Feb/Mar	1	280	0	280
6	Soil conservation measures (Renovation of staggered trenches etc)	Sept/Oct	8	2240	0	2240
7	Watch & Ward (Whole Year)	Apr-March	12	3360	0	3360
8	Contingency and unforeseen expenditure		0	0	362.2	362.2
	Sub Total		31	8680	2475.2	11155.2
9	Monitoring & Supervision charge 5% of the total cost					
	GRAND TOTAL		31	8680	2475.20	11713

3rd Year

1	Complete weeding and cultural operations	Aug/Sep	2	560	0	560
2	Soil working	Aug/Sep	2	560	0	560
3	Fire line tracing and inspection path	Feb/Mar	1	280	0	280
4	Watch & Ward (Whole Year)	April-March	12	3360	0	3360
	Sub Total		17	4760	0	4760
5	Monitoring & Supervision charge 5% of the total cost					238
	GRAND TOTAL		17	4760	0	4998

4th Year

1	Fire line tracing and inspection path	Feb/Mar	1	280	0	280
2	Watch, Ward & cultural operations	Apr-Mar	12	3360	0	3360
	Sub Total		13	3640	0	3640
3	Monitoring & Supervision charge 5% of the					182

	total cost					
	GRAND TOTAL		13	3640	0	3822
5th Year						
1	Fire line tracing and inspection path	Feb/Mar	1	280	0	280
2	Watch, Ward & cultural operations	Apr-Mar	12	3360	0	3360
	Sub Total		13	3640	0	3640
3	Monitoring & Supervision charge 5% of the total cost					182
	GRAND TOTAL		13	3640	0	3822
6th Year						
1	Fire line tracing and inspection path	Feb/Mar	1	280	0	280
2	Watch, Ward & cultural operations	Apr-Mar	12	3360	0	3360
	Sub Total		13	3640	0	3640
3	Monitoring & Supervision charge 5% of the total cost					182
	GRAND TOTAL		13	3640	0	3822
7th Year						
1	Fire line tracing and inspection path	Feb/Mar	1	280	0	280
2	Watch, Ward & cultural operations	Apr-Mar	12	3360	0	3360
	Sub Total		13	3640	0	3640
3	Monitoring & Supervision charge 5% of the total cost					182
	GRAND TOTAL		13	3640	0	3822
8th Year						
1	Fire line tracing and inspection path	Feb/Mar	1	280	0	280
2	Watch, Ward & cultural operations	Apr-Mar	12	3360	0	3360
	Sub Total		13	3640	0	3640
3	Monitoring & Supervision charge 5% of the total cost					182
	GRAND TOTAL		13	3640	0	3822
9th Year						
1	Fire line tracing and inspection path	Feb/Mar	1	280	0	280
2	Watch, Ward & cultural operations	Apr-Mar	12	3360	0	3360
	Sub Total		13	3640	0	3640
3	Monitoring & Supervision charge 5% of the total cost					182

	GRAND TOTAL		13	3640	0	3822
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10th Year						
1	Fire line tracing and inspection path	Feb/Mar	1	280	0	280
2	Watch, Ward & cultural operations	Apr-Mar	12	3360	0	3360
	Sub Total		13	3640	0	3640
3	Monitoring & Supervision charge 5% of the total cost					182
	GRAND TOTAL		13	3640	0	3822

Abstract

Year	Person Days	Labour cost @ Rs 280/per day	Material Cost (Rs.)	Monitoring & Supervision charge 5% of the total cost	Total Cost in (Rs)
0th Year	20	5600	900	325	6825
1st Year	84	23520	2982	1325	27827
2nd Year	31	8680	2475.20	557.75	11712.95
3rd Year	17	4760	0	238	4998
4th Year	13	3640	0	182	3822
5th Year	13	3640	0	182	3822
6th Year	13	3640	0	182	3822
7th Year	13	3640	0	182	3822
8th Year	13	3640	0	182	3822
9th Year	13	3640	0	182	3822
10th Year	13	3640	0	182	3822
TOTAL	243	68040	6357.2	3719.75	78116.95 Or 78117

FINANCIAL OUTLAY OF THE SCHEME		
SL NO	DESCRIPTION	AMOUNT IN lakhs
1	Cost of Compensatory Afforestation (40.0 ha x 78117)	3124680.00
2	EPA (Entry Point Activity) 15% on plantation cost	468702.00
3	The site being a degraded forest Additional 25% of cost for soil moisture conservation like gully plugging, check dams, contour bonds, nallah bunding, vegetative bunds etc. and removal of weeds will improve the vegetative composition and ultimately coverage with the natural adjoining forest	781170.00
	Sub Total	4374552
	Escalation 30%	1312365.60
	Grand total	5686917.00
Rupees Fiftysix Lakh Eightysix Thousand Nine Hundred Seventeen Only		

Technical details:- Technical details of Compensatory Afforestation Scheme are as follows:

- **General Details :**

Survey & Demarcation of boundary:

The identified area will be surveyed by GPS and the area will be demarcated with RCC pillars. Each pillar will be embedded two feet inside the ground and project 3 feet above the ground and will bear the Pillar number and GPS location and an arrow pointing towards the next pillar. The pillar numbering will be done in a clock wise manner starting from the 1st pillar.

- **Planting and post-planting:**

ANR with 400 plants will be undertaken

While taking up plantation, the following points shall be taken up for consideration: -

- Care to be taken to raise healthy plantable seedlings comprising of indigenous species of minimum 60 cm height. 10% extra seedlings are to be raised for replacement of casualty.
- Pitting will commence during Feb-March i.e., when soil is loose. If possible the soil of upper portion and lower portion of pit are to be placed separately in specific direction so that while planting the pits will be filled with top-soil first.
- Planting will be done on the onset of monsoon to get full benefit of monsoon rain.
- Fertilizer and insecticides will be applied at the time of planting carefully by mixing with top-soil so that the roots of seedlings do not come in direct contact with the fertilizer.
- In case of any mortality of planted seedlings, casualty replacement with good seedlings will be carried as soon as possible for better success rate.
- Circular weeding in proper time will be done around the planted seedlings.
- All works are to be done in time as Plantation manual, 1977.


- **Species:**

Although indigenous species are to be preferred in the plantation, considering adverse soil & moisture conditions we may go for hardy species wherever required to ensure good survival percentage. From wildlife requirement point of view, plantation of fruit bearing and fodder species will also be given due importance. 5% of the total species to be planted will constitute Bamboo. Considering the topography, soil and moisture availability of the plantation area, the following species will be planted

SI No	Name of species	Common name	Remarks
1	<i>Tectona grandis</i>	Teak	
2	<i>Phyllanthus emblica</i>	Amla	
3	<i>Dalbergia latifolia</i>	Sissoo	In lower areas with good soil depth
4	<i>Gmelina arborea</i>	Gambhari	In lower areas with good soil depth
5	<i>Dendrocalamus strictus</i>	Salia bamboo	In lower areas with good soil depth healthy seedlings from rhizomes may be planted
6	<i>Mangifera indica</i>	Mango	In situ plantation (direct placing of mango stone in planting site) during pre-monsoon may be adopted in few lower areas or where watering can be done during summer
7	<i>Alstonia scholaris</i>	Chhatian	
8	<i>Cassia fistula</i>	Sunari	
9	<i>Pongamia pinnata</i>	Karanja	
10	<i>Ficus benghalensis</i>	Bara	
11	<i>Terminalia bellirica</i>	Bahada	
12	<i>Bridelia retusa</i>	Kasi	

• **Proposed Monitoring Mechanism:-**

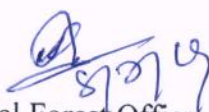
The scheme shall be executed by the Divisional Forest Officer, Boudh Division and all prescribed records are to be maintained. In addition to internal monitoring by Forest Officers of State Government, a Monitoring Committee under item no. 3.4(iii) of consolidated guidelines under F.C Act 1980 issued by MoEF, shall be constituted.


 Divisional Forest Officer
 Boudh Forest Division

Detail Estimate for Barbed Wire fencing with 6 strands and two cross for 3 mtr span and 6.5 ft height with RCC pillars

SL. No.	Description of item	Amount in Rs.
1.	Earth in Excavation of foundation in stoney earth within initial lead and lift including rough dressing and leveling the excavated earth etc. all completed 34 X 1.5ft X 1.5ft X 1.5ft =114.75cft 3.24 cum @ Rs. 134/-per cum.	434.00
2.	Cement concrete (1:4:8) in foundation and plinth using 4 cm size cbhg metal including watering etc complete & jamming the R.C.C. Pillar. 34 X 1.5ft X1.5ft X1.5ft =114.75cft (-)34 X0.5 ftX0.5ftX1ft = 8.05cft Total = 106.25cft	11342.00
3.	Cost of 34 nos. Per cast RCC Pillar of Size 6'6 X 0.5' X0.5' @ Rs.350/- each as per market price = 34 nos. X 350/-	11900.00
4.	Transportation of RCC pillars from market to worksite over a lead of 5 km including loading loading and unloading	1000.00
5.	Cost of barbed wire including transportation charges to the site as per local market rate. 8 X 100mtr = 800 mtr @0.2kg/mtr Or 160kg @ Rs. 80/- per kg	12800.00
6.	Labour for fixing of barbed wire fencing by means of staples and staining hooks, tying with 9 gauge wire and including cost of staples, hooks etc complete @1.20 MD/mt i.e.120md per 100mtr @280.00 per Manday	33600.00
7.	Sub total	71076.00
	Escalation @ 30%	21322.80
	Sub Total	92398.80
	Labour cess @1%	923.00
	Grand total/100mtr	93321.80
	For 1 mtr	933.21

Total Barbed Wire fencing provision made for this project is 2.5 km ie 2500 mt, hence the total cost of Barbed Wire fencing is Rs. 933.21 X 2500 = Rs. 2333025.00


 Divisional Forest Officer
 Boudh Forest Division

FINANCIAL OUTLAY OF THE SCHEME		
SL NO	DESCRIPTION	AMOUNT IN lakhs
1	Cost of Compensatory Afforestation (40.0 ha x 78117)	3124680.00
2	EPA (Entry Point Activity) 15% on plantation cost	468702.00
3	The site being a degraded forest Additional 25% of cost for soil moisture conservation like gully plugging, check dams, contour bonds, nallah bunding, vegetative bunds etc. and removal of weeds will improve the vegetative composition and ultimately coverage with the natural adjoining forest	781170.00
	Sub Total	4374552
	Escalation 30%	1312365.60
	Grand total	5686917.60
4	Barbed Wire Fencing	2333025.00
5	One Xerox machine with computer and accessories	2,00,000.00
	Grand Total	8219942.60 Or 8219943
Rupees Eighty two Lakhs Nineteen Thousand Nine Hundred Forty three Only		


 8/27/19
 Divisional Forest Officer
 Boudh Forest Division

18-18 OFFICE OF THE PRINCIPAL CHIEF CONSERVATOR OF FORESTS, ODISHA
ARANYA BHAWAN, BHUBANESWAR-23.

Memo No. 7532 /9F (Road)-332/2018
Dated, Bhubaneswar, the 06/4 April, 2018

To

The Divisional Forest Officer,
Boudh Forest Division

Sub: Submission for diversion of 27.371ha of forest land for the project "Widening of Existing 2 lane to 2 lane with 1.5 meter wide paved shoulder from 0/00 Km to 81/00 Km & 93/00 Km to 119/0 Km of Nh-157" vide proposal No.FO/OR/ROAD/31054/2017 (State Sl. No.02/2018 dt.4.1.2018)- identification of Compensatory Afforestation Land.

In enclosing herewith a copy of Letter No.638 dt.14.03.2018 of Executive Engineer, National Highway Division, Sambalpur addressed to this office and a copy thereof endorsed to you vide next memo of even date on the above mentioned subject, you are requested to identify to an extent of 40 ha degraded forest land against the above diversion forest land and prepare the compensatory afforestation scheme and furnish the same through your RCCF for taking necessary action at this end.

This is Urgent.

Encl:- As above

ahmariyak 6/4/18
Additional Principal Chief Conservator of Forests
Forest Diversion & Nodal Officer, F.C. Act

Memo No. 7533 /Dated. 06-04-18

Copy forwarded to the Regional Chief Conservator of Forests, Berhampur Circle for information and necessary action.

ahmariyak 6/4/18
Additional Principal Chief Conservator of Forests
Forest Diversion & Nodal Officer, F.C. Act

Memo No. 7534 /Dated. 06-04-18

Copy forwarded to the Executive Engineer, NH Division, Sambalpur for information and necessary action.

ahmariyak 6/4/18
Additional Principal Chief Conservator of Forests
Forest Diversion & Nodal Officer, F.C. Act

OFFICE OF THE TAHASILDAR HARBHANAGA (CHARICHHAK)

Letter No. 1462 Dated. 4.8.18

To

The Divisional Forest Officer,
Boudh Forest Division.

Sub:- Land of 40 ha. as compensatory afforestation Plantation in lieu of proposal for diversion of 19.621 ha of forest land for widening of existing 2 lane to 2 lane with 1.5 meter wide paved shoulder from km 0/0 to 81/0 and 93/0 to 119/0 of NH-157 on EPC mode.

Ref:- Letter No. 1646 dated 21.7.2018 of the Executive Engineer, NH Division Sambalpur.

Sir,

With reference to the letter as cited above, it is to intimate that the Executive Engineer has requested to identify a patch of land of 40 ha of Jungle kisam (parvat) for compensatory afforestation in lieu of proposal for diversion of 19.621 ha of forest land for widening of existing 2 lane to 2 lane with 1.5 meter wide paved shoulder from km 0/0 to 81/0 and 93/0 to 119/0 of NH-157 on EPC mode.

For the purpose as mentioned it is to say that, the revenue forest (kissam-parbat) of 40 ha in village Dharmanagar Khata No. 46 Plot No. 23, 24, 25 part, 32 part of Harabhanga Tahasil in Boudh District has been identified which is free from encroachment. Further the same patch of land is suitable for said compensatory afforestation under Government scheme and it is fit land from management point of view of plantation.

This is for your kind information and necessary action.

Yours faithfully,


Tahasildar,

Harabhanga (Charichhak)

Office of the Collector & District Magistrate
Ganjam, Chatrapur

Dated 3/10/18

CERTIFICATE FURNISHED BY THE COLLECTOR, GANJAM

- (1) It is certified that the complete process for diversion and settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 has been carried out for the entire forest area of 19,655 hectares proposed for diversion for widening of National Highway-157 in favour of Executive Engineer N H Division Berhampur. The concerned record of all consultations and meetings held are annexed.
- (2) It is certified that the proposal for such diversion have been placed before each of the Gram Sabhas of forest dwellers who are eligible under the Forest Rights Act. Details of the projects and its implications have been explained to them in vernacular / local language.
- (3) It is certified that discussions and decisions on such proposals had taken place only when there was a quorum of minimum 50% of members of the Gram Sabha present.
- (4) It is certified that the rights of Primitive Tribal groups and pre-agricultural communities (where ever applicable) have been specifically safeguarded as per Section 3 (1) (e) of the Forest Right Act.
- (5) It is certified that the diversion of forest land for facilities managed by Government as required under Section 3 (2) of the Forest Right Act (if any) have been completed and that the Gram Sabhas have consented to it.

DETAILS OF FOREST LAND FOR DIVERSION FOR NON FOREST USE

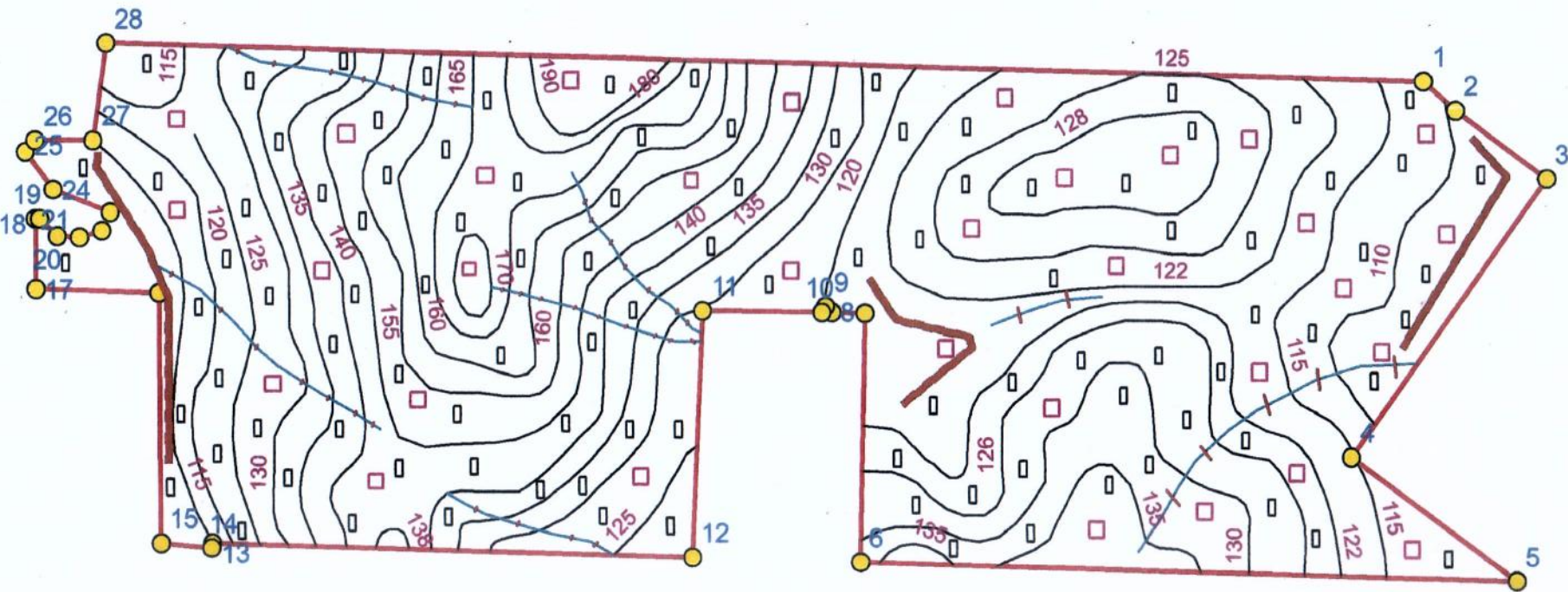
Sl No	Name of the work & Executing Agency	Forest Area in Ha.	Total in Ha.
1	2	3	4
1	Widening of N.H-157 (from Km 93/0 to 119/0) Executive Engineer N H Division Berhampur.	19,655	19,655

Collector, Ganjam & Chairman,
District Level Committee (FRA)

TREATMENT MAP SHOWING THE SOIL MOISTURE CONSERVATION ACTIVITY OVER THE COMPENSATORY AFFORESTATION LAND



1:5,000



BOUNDARY COORDINATES OF CA AREA					
SL NO	PILLAR ID	LATITUDE	LONGITUDE	EASTING	NORTHING
1	1	20°37'23.39950"	84°35'50.90481"	249631.413	2282293.002
2	2	20°37'22.66880"	84°35'51.79884"	249656.972	2282270.142
3	3	20°37'20.94475"	84°35'54.36937"	249730.632	2282216.008
4	4	20°37'13.68690"	84°35'49.03455"	249572.834	2281995.028
5	5	20°37'10.55142"	84°35'53.68263"	249706.021	2281896.587
6	6	20°37'10.78126"	84°35'35.34729"	249175.117	2281911.509
7	7	20°37'17.19646"	84°35'35.39589"	249179.446	2282108.83
8	8	20°37'17.20683"	84°35'34.47210"	249152.697	2282109.545
9	9	20°37'17.35280"	84°35'34.29598"	249147.663	2282114.111
10	10	20°37'17.21082"	84°35'34.20343"	249144.918	2282109.783
11	11	20°37'17.20135"	84°35'30.86843"	249048.33	2282110.922
12	12	20°37'10.84445"	84°35'30.66378"	249039.507	2281915.461
13	13	20°37'11.01584"	84°35'17.24100"	248650.848	2281926.495
14	14	20°37'10.88819"	84°35'17.20251"	248649.675	2281922.585
15	15	20°37'10.99235"	84°35'15.79211"	248608.876	2281926.395
16	16	20°37'17.44785"	84°35'15.63648"	248607.315	2282125.044
17	17	20°37'17.48794"	84°35'12.22629"	248508.572	2282127.743
18	18	20°37'19.29869"	84°35'12.18131"	248508.096	2282183.464
19	19	20°37'19.30037"	84°35'12.30186"	248511.588	2282183.464
20	20	20°37'18.85840"	84°35'12.80219"	248525.876	2282169.653
21	21	20°37'18.84109"	84°35'13.41091"	248543.497	2282168.859
22	22	20°37'19.02009"	84°35'14.03300"	248561.595	2282174.098
23	23	20°37'19.49813"	84°35'14.26666"	248568.58	2282188.703
24	24	20°37'20.05379"	84°35'12.66822"	248522.542	2282206.483
25	25	20°37'21.02331"	84°35'11.88002"	248500.158	2282236.646
26	26	20°37'21.32615"	84°35'12.13291"	248507.62	2282245.853
27	27	20°37'21.35915"	84°35'13.75494"	248554.61	2282246.171
28	28	20°37'23.85623"	84°35'14.07735"	248565.087	2282322.847

Legend

- POINT_LIST
- CA_BOUNDARY_AREA
- CONTOUR
- SEASONAL_STREAMS
- PERCOLATION PIT
- STAGGERED TRENCH
- CHECK DYKE
- GRADED GUIDE EARTHEN BUNDH

MAP SHOWING GPS SURVEYED AREA 40.00 Ha. NON-FOREST LAND PROPOSED FOR COMPENSATORY AFForestation
IN VILLAGE - DHARAMNAGAR OF HARBHANGA TAHASIL IN BOUDH DISTRICT



SCALE - 1:3,960



C.A. Land of 40 Hectare for diversion of forest land
of 19.65 Hectare from km 93/0 to 119/0 km (Durgamunda to
Bharyangam) vide Letter No. 7532 of PLCF, BGR dated
1/04/2018 for the work " Widening works parod Sharda
from km 0/0 to 119/0 except (83/0 to 93/0) under EPC Award

Executive Engineer
N.H. Division, Sambalpur

Divisional Forest Officer
Boudh Division

Asst. Executive Engineer
N.H. Sub Division, Boudh

Revenue Inspector
Harabhanga

Forest Section
Harabhanga



LEGEND

GPS OBSERVATION CO-ORDINATES OF BOUNDARY POINTS

C.A. LAND BOUNDARY

POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	249631.413	2282293.002	E84° 35' 50.905"	N20° 37' 23.399"
2	249656.972	2282270.142	E84° 35' 51.799"	N20° 37' 22.669"
3	249730.632	2282216.008	E84° 35' 54.369"	N20° 37' 20.945"
4	249572.834	2281995.028	E84° 35' 49.035"	N20° 37' 13.687"
5	249706.021	2281896.587	E84° 35' 53.683"	N20° 37' 10.551"
6	249175.117	2281911.509	E84° 35' 35.347"	N20° 37' 10.781"
7	249179.446	2282108.830	E84° 35' 35.396"	N20° 37' 17.196"
8	249152.697	2282109.545	E84° 35' 34.472"	N20° 37' 17.207"
9	249147.663	2282114.111	E84° 35' 34.296"	N20° 37' 17.353"
10	249144.918	2282109.783	E84° 35' 34.203"	N20° 37' 17.211"
11	249048.330	2282110.922	E84° 35' 30.868"	N20° 37' 17.201"
12	249039.507	2281915.461	E84° 35' 30.664"	N20° 37' 10.844"
13	248650.848	2281926.495	E84° 35' 17.241"	N20° 37' 11.016"
14	248649.675	2281922.585	E84° 35' 17.202"	N20° 37' 10.888"
15	248608.876	2281926.395	E84° 35' 15.792"	N20° 37' 10.992"
16	248607.315	2282125.044	E84° 35' 15.636"	N20° 37' 17.448"
17	248508.572	2282127.743	E84° 35' 12.226"	N20° 37' 17.488"
18	248508.096	2282183.464	E84° 35' 12.181"	N20° 37' 19.299"
19	248511.588	2282183.464	E84° 35' 12.302"	N20° 37' 19.300"
20	248525.876	2282169.653	E84° 35' 12.802"	N20° 37' 18.858"
21	248543.497	2282168.859	E84° 35' 13.411"	N20° 37' 18.841"
22	248561.595	2282174.098	E84° 35' 14.033"	N20° 37' 19.020"
23	248568.580	2282188.703	E84° 35' 14.267"	N20° 37' 19.498"
24	248522.542	2282206.483	E84° 35' 12.668"	N20° 37' 20.054"
25	248500.158	2282236.646	E84° 35' 11.880"	N20° 37' 21.023"
26	248507.620	2282245.853	E84° 35' 12.133"	N20° 37' 21.326"
27	248554.610	2282246.171	E84° 35' 13.755"	N20° 37' 21.359"
28	248565.087	2282222.847	E84° 35' 14.077"	N20° 37' 23.856"

AREA STATISTICS OF C.A. LAND				
SL.NO	VILLAGE	PLOT	KISAM	MAP AREA (Hectare)
1	DHARAMNAGAR	23	PARBAT	14.799
2		24		7.805
3		25 (PART)		8.820
4		32 (PART)		8.576
TOTAL AREA				40.000

[illegible]