



(In triplicate)

Government of Arunachal Pradesh
DEPARTMENT OF ENVIRONMENT & FORESTS
OFFICE OF THE CHIEF CONSERVATOR OF FORESTS
SOUTHERN ARUNACHAL CIRCLE, DEOMALI

No. SAC/DEV-47/16/ 2390-91

Dated Deomali the ...17... May 2016

To,

✓ The Chief Conservator of Forests (Conservation)
& Nodal Officer (FC),
O/o the PCCF,
Arunachal Pradesh,
Itanagar.

Sub: - Submission of Diversion Proposal in respect of Project No. 2 of OIL India Ltd., Duliajan.

Ref: - DFO's letter No. DD/IND/04/2012/694-97 Dtd. 10/05/2016.

Sir,

This is to forward herewith the Proposal in respect of Project No. 2 of OIL India Ltd., Duliajan submitted by DFO, Deomali for Diversion of 7.37 Ha. of forestland under Borduria Forest Range of Deomali Forest Division for Oil Drilling Site along with the following documents for favour of your kind information and further necessary action please. No Objection Certificate from Chief of Namsang Borduria Fund (NBF) will follow.

1. Proposal of the User Agency (OIL) with DCF's Report.
2. Site Inspection Report of DCF.
3. List of trees enumerated with botanical name.
4. Class-wise Volume of enumerated trees.
5. Valuation enumerated trees.
6. Valuation enumerated NTFP.
7. NPV Calculation Sheet.
8. Topo Sheet showing Oil Drilling Site DML-2.
9. Topo Sheet showing CA Plantation plot.
10. Sketch Map of CA Plantation (Scale 1: 200M).
11. Undertaking of user Agency for bearing the cost of CA Plantation.
12. Undertaking of the User Agency for payment of NPV.
13. Joint Inspection Report of DFO, Deomali/ DFO, Digboi & User Agency.
14. Detailed Estimate for CA Plantation.
15. Part- III of the proposal.

Encls: - As above.

Yours faithfully,

(R, K, Deori)
Chief Conservator of Forest
Southern Arunachal Circle
Deomali

Copy to: - The DFO, Deomali Forest Division, Deomali for information.

(R, K, Deori)
Chief Conservator of Forest
Southern Arunachal Circle
Deomali

Part – III

(To be filled up the concerned Conservator of Forests)

14. Whether site, where the forest land involved is located has been inspected by the concerned Conservator of Forests (Yes/No), if yes, the date of inspection & observations made in form of inspection note to be enclosed)	:	Not inspected as because the proposed area is less than 40 Ha.
15. Whether the concerned Conservator of Forests agree with the information given in the Part – B and recommendation of Deputy Conservator of Forests.	:	Yes, I agree with the information given in the part-B and recommendation of Deputy Conservator of Forests.
16. Specific recommendations of concerned Conservator of Forest for acceptance or otherwise of the proposal with detailed reasons	:	It is necessary for Oil drilling purposes which is essential to meet up mention ^{national} requirement of crude oil as well as economic upliftment of local people in the form of wages employment. Hence it is recommended for approval.

Date: - 17/5/2016

Place : - Deomali


17/5/2016
(R. K. Deori)
Chief Conservator of Forest
Southern Arunachal Circle
Deomali



Government of Arunachal Pradesh
 DEPARTMENT OF ENVIRONMENT & FORESTS
 OFFICE OF THE DIVISIONAL FOREST OFFICER
 DEOMALI FOREST DIVISION

☎+913786-255245/ e-mail:dml.forestdivision@gmail.com



Letter No. DD/IND/04/2012 / 694-97

Dated Deomali the 10/05/2016

To,

The Chief Conservator of Forests
 Southern Arunachal Circle
 Deomali.

1219
10/5/16

Sub:- Submission of Diversion Proposal in respect of Project No. DML-2 of Oil India Limited, Duliajan.

Sir,

I am submitting herewith 4(four) complete sets of the Proposal of Oil India Limited, Duliajan for diversion of 7.37 Ha. of forest land under Borduria Forest Range of Deomali Forest Division for Oil Drilling Site (Project No. DML-2) along with the following documents for favour of your kind information and further necessary action please.

- ✓ 1. Proposal of the User Agency (OIL) with DCF's Report.
- ✓ 2. Site Inspection Report of DCF.
- ✓ 3. List of trees enumerated with botanical name.
- ✓ 4. Class-wise Volume of enumerated trees.
- ✓ 5. Valuation of enumerated trees.
- ✓ 6. Valuation of enumerated NTFP.
- ✓ 7. NPV Calculation Sheet.
- ✓ 8. Topo Sheet showing Oil Drilling Site DML-2.
- ✓ 9. Topo Sheet showing CA Plantation plot.
- ✓ 10. Sketch Map of CA Plantation (Scale 1: 200 M).
- ✓ 11. Undertaking of the User Agency for bearing the cost of CA Plantation.
- ✓ 12. Undertaking of the User Agency for payment of NPV.
- ✓ 13. Joint Verification Report of DFO, Deomali/DFO, Digboi & User Agency.
- ✓ 14. Detailed Estimate for CA plantation.

Yours faithfully,

(C. Simai) DCF
 Divisional Forest Officer
 Deomali Forest Division

Copy to :-

1. The Addl. PCCF (WP & C), O/o The PCCF & Pri. Secretary (E & F), Govt. of Arunachal Pradesh, Itanagar for kind information.
2. The Head -NEF, Oil India Limited, Duliajan (Assam) for kind information.
3. The Chief of Borduria, Vill- Borduria, Distt. Tirap, Arunachal Pradesh for information.

(C. Simai) DCF
 Divisional Forest Officer
 Deomali Forest Division

PART II

(To be filled by the concerned Deputy Conservator of Forests)

State serial no of proposal.....

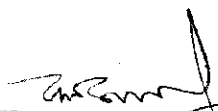
7. Location of the project/ Scheme : Borduria VRF, DML -2 by Oil India Ltd.
Duliajan (Assam)
- (i) State /Union Territory : Arunachal Pradesh
- (ii) District : Tirap
- (iii) Forest Division : Deomali Forest Division ,Deomali.
- (iv) Area of forest land proposed for diversion (in Ha.) : 7.370 ha
- (v) Legal status of forest : Village Reserved Forests
- (vi) Density of vegetation : Eco- Class I (Dense Forest)
- (vii) Species-wise (Scientific names) and diameter class-wise enumeration of trees(to be enclosed. In case of irrigation / Hydel Projects enumeration at FRL, FRL2 meter & FRL-4 meter are to be enclosed). : Enclosed at Annexure - *Z*
- (viii) Brief note on vulnerability of the forest area to erosion. : Diversion proposal is being sought for oil drilling purposes, so there is negligible chance of erosion.
- (ix) Approximate distance of proposal site for diversion from boundary of forest. : Proposed site is well inside Borduria VRF
- (x) Whether forms part of National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor, etc. (if so, the details of the area and comments of the Chief Wildlife Warden to be annexed) : It falls under Borduria VRF and falls within 10 km from Dehing-Patkai Wildlife Sanctuary, Assam. Joint Verification Report of DFO, Deomali/ DFO, Digboi & User Agency is enclosed at Annexure- *Z*
- (xi) Whether any rare/endangered /unique species of flora and fauna found in the area if so details corridor. thereof. : No.
- (xii) Whether any protected archaeological / heritage Site/ defence establishment or any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required. : No.
8. Whether the requirement of forest land as proposed by the user Agency in col-2 of Part-I is unavoidable and barest minimum for the project. If no, recommended area item-wise with details of alternatives examined. : Yes, it is unavoidable and barest minimum requirement for oil drilling.
9. Whether any work in violation of the Act has been Carried out (Yes/ No) . If yes, details of the same Including period of work done, action taken on Erring officials. Whether work in violation is still in Progress. : No.



10. Details of compensatory afforestation scheme : Enclosed at Annexure -
- (i) Details of non-forest area/degraded forest area Identified for compensatory afforestation, its patches, Size of each patch site. : Total area of 15.0 Hectare identified in degraded forest of Borduria VRF. It is 1.5 km (approx) from Borduria Forest Range Office.
- (ii) Map showing non-forest / degraded forest area identified for compensatory afforestation and adjoining forest boundaries. : Map showing area of proposed CA plantation (Scale 1:200) is enclosed at Annexure- III
- (iii) Detailed compensatory afforestation scheme i/c species to be planted, implementing Agency, time schedule, cost structure etc. : Detailed estimate along with time schedule is enclosed at Annexure- V
- (iv) Total financial outlay for compensatory afforestation scheme : ₹26,55,852/-
- (v) Certificates from competent authority regarding Suitability of area identified for compensatory afforestation and from management point of view (To be signed by the concerned Deputy Conservator of Forests) : Certificate enclosed at Annexure - VI
11. Site inspection report of the DCF (to be enclosed) especially highlighting facts asked in col 7 (xi, xii) 8 and 9 above. : Site Inspection Report of DCF enclosed at Annexure- VI
12. Division/District Profile : 2362 Sq.km
- (i) Geographical area of the Division : 447 Sq.km
- (ii) Forest area of the district :
- (iii) Total forest area diverted since 1980 with number cases. : 25.22 Ha- 1 (one) case only against 220 KV Power Station of Power Grid Corporation
- (iv) Total compensatory afforestation stipulated in the district / division since 1980 on :
- (a) Forest land including penal compensatory afforestation : Nil
- (b) Non forest land : 25.22 Ha.
- (v) Progress of compensatory afforestation as on date :
- (a) Forest Land :
- (b) Non-forest land. : 25.22 Ha.
13. Specific recommendation of the DCF for acceptance Or otherwise of the proposal with reasons. : The diversion of forest area is sought for oil drilling. If oil is available then it would generate revenue for the state as well as benefit the country besides fulfilling the global demand of oil & petroleum products.

Date :: 10-5-16

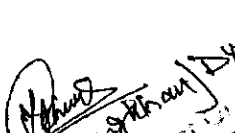
Place :: Deomali

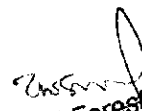
Signature 
 Divisional Forest Officer
 Deomali Forest Division
 Deomali, Dist. Tirap (A.P.)
 PO Deomali, Dist. Tirap (Ar. Pradesh)

Enumeration of tree species at Borduria Area DML- 2

Sl. No.	Species Names		Girth	Sl. No.	Species Names		Girth
	Local	Botanical			Local	Botanical	
1.	Hollong	Dipterocarpus marcropus	3.20	50.	Mekai	Shorea assamica	1.20
2.	Nahar	Mesuafera	2.10	51.	Jamuk	Syzygium lumini	1.40
3.	Lali	Amoora wallichii	2.10	52.	Selleng	Sapium baccatum	1.20
4.	B/ Dima	Dysokylum birtectori ferlem	3.10	53.	Selleng	Sapium baccatum	1.60
5.	Latuku	F class	2.90	54.	Bohera	Terminalia balarica	1.65
6.	Hati Poila	Pterospermum accrifolim	3.00	55.	Nahar	Mesuafera	3.00
7.	Selleng	Sapium baccatum	2.50	56.	Mekai	Shorea assamica	1.00
8.	Tezpat	F class	1.20	57.	Nahar	Mesuafera	1.20
9.	Tezpat	F class	1.40	58.	Mekai	Shorea assamica	1.10
10.	Nahar	Mesuafera	1.50	59.	Nahar	Mesuafera	1.10
11.	Khokan	Duabanga grandi flora	1.20	60.	Nahar	Mesuafera	1.35
12.	Hingori	Castanspsis indica	1.30	61.	Gamari	Gmelina arborea	1.90
13.	Selleng	Sapium baccatum	2.40	62.	Selleng	Sapium baccatum	1.80
14.	Selleng	Sapium baccatum	2.90	63.	Selleng	Sapium baccatum	1.80
15.	Bohera	Terminalia balarica	1.70	64.	Nahar	Mesuafera	1.70
16.	Rudhakar	F class	1.00	65.	Nahar	Mesuafera	1.60
17.	Khokan	Duabanga grandi flora	0.90	66.	Hollong	Dipterocarpus marcropus	1.50
18.	Selleng	Sapium baccatum	2.35	67.	Selleng	Sapium baccatum	2.90
19.	Nahar	Mesuafera	2.20	68.	Selleng	Sapium baccatum	2.40
20.	Gamari	Gmelina arborea	1.70	69.	Lali	Amoora wallichii	1.40
21.	Karai	Albizia proura	1.20	70.	Selleng	Sapium baccatum	3.10
22.	J/Litchi	F class	1.00	71.	Selleng	Sapium baccatum	1.10
23.	Gamari	Gmelina arborea	2.10	72.	Selleng	Sapium baccatum	1.20
24.	Mekai	Shorea assamica	1.10	73.	Hollong	Dipterocarpus marcropus	1.20
25.	B/Julukia	Beilshadia assamica	1.70	74.	Bohera	Terminalia balarica	0.90
26.	Nahar	Mesuafera	1.70	75.	Nahar	Mesuafera	2.35
27.	Nahar	Mesuafera	1.20	76.	Nahar	Mesuafera	1.15
28.	Nahar	Mesuafera	2.90	77.	Nahar	Mesuafera	1.45
29.	Jamuk	Syzygium lumini	1.60	78.	Nahar	Mesuafera	1.15
30.	Nahar	Mesuafera	1.50	79.	B/Julukia	Beilshadia assamica	1.60
31.	Jamuk	Syzygium lumini	0.90	80.	B/Julukia	Beilshadia assamica	1.50
32.	Khokan	Duabanga grandi flora	1.20	81.	Nahar	Mesuafera	1.50
33.	Khokan	Duabanga grandi flora	0.90	82.	Nahar	Mesuafera	1.50
34.	Jamuk	Syzygium lumini	0.90	83.	Nahar	Mesuafera	1.50
35.	Nahar	Mesuafera	1.65	84.	Hingori	Castanspsis indica	0.90
36.	F/Gamari	Endospermum chineass	1.00	85.	Nahar	Mesuafera	1.55
37.	B/Litchi	F class	1.70	86.	Hingori	Castanspsis indica	2.25
38.	B/Dima	Dysokylum birtectori ferlem	1.10	87.	Nahar	Mesuafera	2.00
39.	Nahar	Mesuafera	2.90	88.	Hingori	Castanspsis indica	0.90
40.	J/Lachu	F class	0.90	89.	B/Dima	Dysokylum birtectori ferlem	1.70
41.	Selleng	Sapium baccatum	0.90	90.	Udal	Stereulia villosa	0.90
42.	Poma	Chukrassia tabularis	2.00	91.	Bohera	Terminalia balarica	0.90
43.	Nahar	Mesuafera	0.90	92.	J/Litchi	F class	0.90
44.	Tezpat	F class	1.80	93.	G/Sopa	Nyssa sessiliflora	1.10
45.	Nahar	Mesuafera	1.60	94.	Selleng	Sapium baccatum	0.90
46.	Hilika	Terminalia chebula	3.30	95.	B/Dima	Dysokylum birtectori ferlem	1.30
47.	Tezpat	F class	1.40	96.	Hollong	Dipterocarpus marcropus	0.90
48.	Mekai	Shorea assamica	2.40	97.	Dhuna	Canarium species.	0.90
49.	Tezpat	F class	1.60	98.	Gousorai	Cinnamomum ...	1.20

Sl. No.	Species Names		Girth	Sl. No.	Species Names		Girth
	Local	Botanical			Local	Botanical	
99.	Hollong	Dipterocarpus marcopus	1.10	129.	Nahar	Mesuafera	2.45
100.	B/Dima	Dysokylum birtectori ferlem	1.60	130.	Jutuli	Altingia excels	3.30
101.	B/Dima	Dysokylum birtectori ferlem	0.90	131.	Gamari	Gmelina arborea	1.00
102.	Hollong	Dipterocarpus marcopus	1.00	132.	Nahar	Mesuafera	1.80
103.	Karai	Albizzia proura	0.90	133.	Gamari	Gmelina arborea	1.30
104.	Dhuna	Canariem species.	0.90	134.	Gamari	Gmelina arborea	1.25
105.	Udal	Stereulia villosa	1.30	135.	Gamari	Gmelina arborea	1.35
106.	B/Dima	Dysokylum birtectori ferlem	1.80	136.	Hingori	Castanopsis indica	1.90
107.	B/Poma	Chukrassia tabularis	0.90	137.	Hingori	Castanopsis indica	2.60
108.	Hollong	Dipterocarpus marcopus	0.90	138.	Gamari	Gmelina arborea	1.85
109.	Karai	Albizzia proura	0.90	139.	Poma	Chukrassia tabularis	1.60
110.	Khokan	Duabanga grandi flora	0.90	140.	Udal	Stereulia villosa	1.40
111.	Bhelu	Tetrameles nudiflora	1.30	141.	Dhuna	Canariem species.	1.80
112.	F/Sopa	F class	1.70	142.	Gamari	Gmelina arborea	1.70
113.	Nahar	Mesuafera	0.90	143.	Sam	Artocarpus chaplasha	3.30
114.	Nahar	Mesuafera	1.50	144.	Nahar	Mesuafera	2.00
115.	G/Sopa	Nyssa sessiliflora	1.80	145.	Nahar	Mesuafera	2.10
116.	F/Sopa	F class	1.10	146.	Nahar	Mesuafera	2.10
117.	Latuku	F class	0.90	147.	Hollong	Dipterocarpus marcopus	0.90
118.	Nahar	Mesuafera	1.65	148.	Hollong	Dipterocarpus marcopus	0.90
119.	Karai	Albizzia proura	0.90	149.	Amari	Amoora wallichii	0.90
120.	Sopa	Magnolia species	1.70	150.	B/Dima	Dysokylum birtectori ferlem	0.90
121.	Sopa	Magnolia species	1.65	151.	Udal	Stereulia villosa	0.90
122.	Selleng	Sapium baccatum	0.90	152.	Gamari	Gmelina arborea	0.90
123.	Khokan	Duabanga grandi flora	0.90	153.	Udal	Stereulia villosa	0.90
124.	Hingori	Castanopsis indica	1.40				
125.	Sopa	Magnolia species	1.70				
126.	Hingori	Castanopsis indica	0.90				
127.	F/Sopa	F class	0.90				
128.	Dhuna	Canariem species.	2.40				


 (T. Rangaraj) Dy. A.O.
 Range Forest Officer
 Borduria Forest Range
 Dist. Tirup (A.P.)

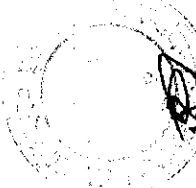
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 Divisional Forest Officer
 Deomali Forest Division
 Deomali, Dist. Tirup (A.P.)

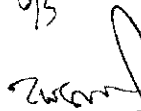
Enumeration of tree species at Borduria Area Dml- 2

Sl. No.	Species	Girth	Sl. No.	Species	Girth
1.	Hollong	3.20	50.	Makai	1.20
2.	Nahar	2.10	51.	Jamuk	1.40
3.	Lali	2.10	52.	Selleng	1.20
4.	B/ Dima	3.10	53.	Selleng	1.60
5.	Latuku	2.90	54.	Bihera	1.65
6.	Itali Poila	3.00	55.	Nahar	3.00
7.	Selleng	2.50	56.	Makai	1.00
8.	Tezpat	1.20	57.	Nahar	1.20
9.	Tezpat	1.40	58.	Makai	1.10
10.	Nahar	1.50	59.	Nahar	1.10
11.	Khakan	1.20	60.	Nahar	1.35
12.	Hingori	1.30	61.	Gamari	1.90
13.	Selleng	2.40	62.	Selleng	1.80
14.	Selleng	2.90	63.	Selleng	1.80
15.	Bohera	1.70	64.	Nahar	1.70
16.	Ruthakar	1.00	65.	Nahar	1.60
17.	Khakan	90	66.	Hollong	1.50
18.	Selleng	2.35	67.	Selleng	2.90
19.	Nahar	2.20	68.	Selleng	2.40
20.	F/Gamari	1.70	69.	Lali	1.40
21.	Karei	1.20	70.	Selleng	3.10
22.	J/Litchu	1.00	71.	Selleng	1.10
23.	F/Gamari	2.10	72.	Selleng	1.20
24.	Makai	1.10	73.	Hollong	1.20
25.	B/Julukia	1.70	74.	Bohera	0.90
26.	Nahar	1.70	75.	Nahar	2.35
27.	Nahar	1.20	76.	Nahar	1.15
28.	Nahar	2.90	77.	Nahar	1.45
29.	Jamuk	1.60	78.	Nahar	1.15
30.	Nahar	1.50	79.	B/Julukia	1.60
31.	Jamuk	90	80.	B/Julukia	1.50
32.	Khakan	1.20	81.	Nahar	1.50
33.	Khakan	0.90	82.	Nahar	1.50
34.	Jamuk	0.90	83.	Nahar	1.50
35.	Nahar	1.65	84.	Hingori	0.90
36.	F/Gamari	1.00	85.	Nahar	1.55
37.	B/Litchi	1.70	86.	Hingori	2.25
38.	B/Dima	1.10	87.	Nahar	2.00
39.	Nahar	2.90	88.	Hingori	0.90
40.	J/Lachu	0.90	89.	B/Dima	1.70
41.	Selleng	0.90	90.	Udal	0.90
42.	Poma	2.00	91.	Bohera	0.90
43.	Nahar	0.90	92.	J/Litchi	0.90
44.	Tezpat	1.80	93.	G/Sopa	1.10
45.	Nahar	1.60	94.	Selleng	0.90
46.	Hilika	3.30	95.	B/Dima	1.30
47.	Tezpat	1.40	96.	Hollong	0.90
48.	Makai	2.40	97.	Dhuna	0.90
49.	Tezpat	1.60	98.	Gousorai	1.20

Sl. No.	Species	Girth	Sl. No.	Species	Girth
99.	Hollong	1.10	129.	Nahar	2.45
100.	B/Dima	1.60	130.	Jutuli	3.30
101.	B/Dima	0.90	131.	Gamari	1.00
102.	Hollong	1.00	132.	Nahar	1.80
103.	Karai	0.90	133.	Gamari	1.30
104.	Dhuna	0.90	134.	Gamari	1.25
105.	Udal	1.30	135.	Gamari	1.35
106.	B/Dima	1.80	136.	Hingori	1.90
107.	B/Poma	0.90	137.	Hingori	2.60
108.	Hollong	0.90	138.	Gamari	1.85
109.	Karai	0.90	139.	Poma	1.60
110.	Khakan	0.90	140.	Udal	1.40
111.	Velu	1.30	141.	Dhuna	1.80
112.	F/Sopa	1.70	142.	Gamari	1.70
113.	Nahar	0.90	143.	Sam	3.30
114.	Nahar	1.50	144.	Nahar	2.00
115.	G/Sopa	1.80	145.	Nahar	2.10
116.	F/Sopa	1.10	146.	Nahar	2.10
117.	Leiluka	90	147.	Hollong	0.90
118.	Nahar	1.65	148.	Hollong	0.90
119.	Karai	0.90	149.	Amari	0.90
120.	Sopa	1.70	150.	B/Dima	0.90
121.	Sopa	1.65	151.	Udal	0.90
122.	Seileng	90	152.	Gamari	0.90
123.	Khakan	90	153.	Udal	0.90
124.	Hingori	1.40			
125.	Sopa	1.70			
126.	Hingori	0.90			
127.	F/Sopa	0.90			
128.	Dhuna	2.40			


 (T. Rangkhunjoy) A/c
 Range Forest Officer
 Bihuna Forest Range
 Dist. Timp (A.P.)


 Sr. L.O (B.F.O.)
 A/c Luda Bld.
 19.04.16

45

 Divisional Forest Officer
 Deomali Forest Division
 Deomali, Dist. Tirap (A.P.)

Sl. No.	Species	Class	90-121	122-150	151-182	183-212	213-243	244-272	273-304	305-334	Total
1.	Hollong	All	7	-	-	-	-	-	1	2	10
2.	Makai	A III	4	-	-	-	1	-	-	-	5
3.	Gamari	A IV	2	3	1	2	-	-	-	-	8
4.	Sopa	B I	-	-	3	-	-	-	-	-	3
5.	Amari	B I	1	-	-	-	-	-	-	-	1
6.	Dhuna	B I	2	-	1	-	1	-	-	-	4
7.	Khakan	B I	6	-	-	-	-	-	-	-	6
8.	Udal	B I	3	2	-	-	-	-	-	-	5
9.	Hingori	B I	3	2	-	1	1	1	-	-	8
10.	Sam	B I	-	-	-	-	-	-	-	1	1
11.	Poma	B I	-	1	1	1	-	-	-	-	3
12.	Lali	B II	-	1	-	1	-	-	-	-	2
13.	B/Dima	B II	3	1	3	-	-	-	-	1	8
14.	Bohera	B II	2	-	2	-	-	-	-	-	4
15.	Hilika	B II	-	-	-	-	-	-	-	1	1
16.	Jutuli	B II	-	-	-	-	-	-	-	1	1
17.	Halipomla	B II	-	-	-	-	-	-	1	-	1
18.	F/Gamari	B II	1	-	1	1	-	-	-	-	3
19.	Jamuk	B II	2	-	1	-	-	-	-	-	3
20.	Gousorai	B II	1	-	-	-	-	-	-	-	1
21.	Bhelu	B II	-	1	-	-	-	-	-	-	1
22.	B/Poma	B II	1	-	-	-	-	-	-	-	1
23.	S/Nahar	C	8	6	9	5	2	1	3	-	34
24.	Selleng	D	6	-	3	-	3	1	2	1	16
25.	Karai	D	4	-	-	-	-	-	-	-	4
26.	G/Sopa	D	1	-	1	-	-	-	-	-	2
27.	B/Julukia	E	-	1	2	-	-	-	-	-	3
28.	Laluku	F	1	-	-	-	-	-	1	-	2
29.	Tezpat	F	1	2	2	-	-	-	-	-	5
30.	Rudhekur	F	1	-	-	-	-	-	-	-	1
31.	J/Litchi	F	3	-	1	-	-	-	-	-	4
32.	F/Sopa	F	2	-	1	-	-	-	-	-	3

[Signature]
 (T. Rang Khaw) Dy. A.O.
 Range Forest Officer
 Borduria & Jrest Range
 Dist. Timp (A.P.)



[Signature]
 H. L. O (B)
 Dist. Tirap
 19.04.16



[Signature]

48
[Signature]

Divisional Forest Officer
 Deomali Forest Division
 Deomali, Dist. Tirap (A.P.)

Sl. No.	Species	Class	90-121	122-150	151-182	183-212	213-243	244-272	273-304	305-334	Total
1.	Hollong	All	5.775	-	-	-	-	-	7.215	17.836	30.826
2.	Makai	A III	3.300	-	-	-	4.133	-	-	-	7.433
3.	Gamari	A IV	0.820	5.094	0.906	-	-	-	-	-	10.046
4.	Sopa	B I	-	-	2.718	-	-	-	-	-	2.718
5.	Amari	B I	0.410	-	-	-	-	-	-	-	0.410
6.	Dhuna	B I	0.820	-	0.906	-	2.236	-	-	-	3.962
7.	Khakan	B I	2.460	-	-	-	-	-	-	-	2.460
8.	Udal	B I	1.230	1.584	-	-	-	-	-	-	2.814
9.	Hingori	B I	1.230	1.584	-	1.613	2.236	2.831	-	-	9.494
10.	Sam	B I	-	-	-	-	-	-	-	4.043	4.043
11.	Poma	B I	-	0.792	0.906	1.613	-	-	-	-	3.311
											29.212
12.	Lali	B II	-	0.792	-	1.613	-	-	-	-	2.405
13.	B/Dima	B II	1.230	0.792	2.718	-	-	-	-	4.043	8.783
14.	Bohera	B II	0.820	-	1.812	-	-	-	-	-	2.632
15.	Hilika	B II	-	-	-	-	-	-	-	4.043	4.043
16.	Jutuli	B II	-	-	-	-	-	-	-	4.043	4.043
17.	Halipomla	B II	-	-	-	-	-	-	3.454	-	3.454
18.	F/Gamari	B II	0.410	-	0.906	1.613	-	-	-	-	2.929
19.	Jamuk	B II	0.820	-	0.906	-	-	-	-	-	1.726
20.	Gousorai	B II	0.410	-	-	-	-	-	-	-	0.410
21.	Bhelu	B II	-	0.792	-	-	-	-	-	-	0.792
22.	B/Poma	B II	0.410	-	-	-	-	-	-	-	0.410
											31.627
23.	S/Nahar	C	3.200	4.752	8.154	8.065	4.472	2.831	10.362	4.043	45.879
24.	Selleng	D	2.460	-	2.718	-	6.708	2.831	6.908	4.043	25.668
25.	Karai	D	1.640	-	-	-	-	-	-	-	1.640
26.	G/Sopa	D	0.410	-	0.906	-	-	-	-	-	1.316
											28.624
27.	B/Julukia	E	-	0.792	1.812	-	-	-	-	-	2.604
28.	Laluku	F	0.410	-	-	-	-	-	3.454	-	3.864
29.	Tezpat	F	0.410	1.584	1.812	-	-	-	-	-	3.806
30.	Rudhekur	F	0.410	-	-	-	-	-	-	-	0.410
31.	J/Litchi	F	1.230	-	0.906	-	-	-	-	-	2.136
32.	F/Sopa	F	0.820	-	0.906	-	-	-	-	-	1.726
											11.942
	Total		31.135	18.558	28.992	17.743	19.785	8.493	31.393	42.094	198.193

[Signature]
 C. Rangachari Dy. for
 Dist. Map (A.P.)

[Signature]
 Divisional Forest Officer
 Deomali Forest Division
 Deomali, Dist. Tirap (A.P.)

Details of valuation of enumerated trees & pole category wise against Borduria VRF. Under Borduria Forest Range.

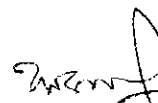
Sl. No.	Class	Girth	Cum.	Rate Amount	Total	Remarks
1.	A II	Above Girth.	30.826	9475/-	2,92,076/-	
		Below Girth.	3.300	3793/-	12,517/-	
		Pole size.	18.912	32/-	605/-	
2.	A III	Above Girth.	7.433	8092/-	60,148/-	
		Below Girth.	0.852	3238/-	2,759/-	
		Pole size.	14.235	32/-	456/-	
3.	A IV	Above Girth.	10.046	4063/-	40,817/-	
		Below Girth.	2.050	1624/-	3,329/-	
		Pole size.	13.153	28/-	368/-	
4.	B I	Above Girth.	29.212	2818/-	82,319/-	
		Below Girth.	4.920	1130/-	5,560/-	
		Pole size.	29.193	13/-	380/-	
5.	B II	Above Girth.	31.627	1882/-	59,220/-	
		Below Girth.	9.020	755/-	6,810/-	
		Pole size.	31.256	13/-	406/-	
6.	C	Above Girth.	45.879	1425/-	65,378/-	
		Below Girth.	2.460	567/-	1,395/-	
		Pole size.	10.915	10/-	109/-	
7.	D	Above Girth.	28.629	946/-	27,083/-	
		Below Girth.	0.820	381/-	312/-	
		Pole size.	7.813	7/-	55/-	
8.	E	Above Girth.	2.604	746/-	1,943/-	Timber = 231.05 Cum.
		Below Girth.	0.410	305/-	125/-	Pole size = 170.255 Cum.
		Pole size.	12.192	6/-	73/-	
9.	F	Above Girth.	11.942	400/-	4,777/-	
		Below Girth.	9.020	155/-	1,398/-	
		Pole size.	32.586	6/-	196/-	
		Total	401.305		6,70,609/-	

Abstract of Cost

1. Cost of Timber = 6,67,961/-
 2. Pole size = 2,648/-
 3. Cost of NTFP = 19,11,200/-
- 25,81,809/-



(T. Rangkham) Dy. FR
Range Forest Officer
Borduria Forest Range



Divisional Forest Officer
(C. Simai) DC Division
Deomali Forest Office (A.P.)
Deomali, Dist. Tirap
Deomali Forest Division

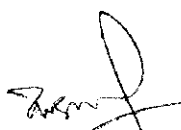
Details of valuation of enumerated Non-Timber Forest Produce (NTFP) against diversion of Forest Land for Borduria VRF. under Borduria Forest Range, Deomali Forest Division.

Sl. No.	Name of Species	Quantity	Rate	Amount	Remarks
1.	Broom Stick	2200 Bundles	16.00	3,5,200/-	As per Market Rate.
2.	Lazai Cane	1600/ Cops	14.00	22400/-	
3.	Roidang Cane	800/ Cops	22.00	17,600/-	
4.	Jeng path	170,000 Nos.	1.50	255,000/-	
5.	Bamboo (Jati)	29700 Nos.	50.00	1,48,5000/-	
6.	Toko Leaves	16,000 Nos.	6.00	96000/-	
	Total			19,11,200/-	

(Rupees Nineteen lakhs eleven thousand two hundred)only.

N.B. The above trees enumeration is prepared on the basis of Random Sampling method.


(T. Rangkhams) Dy. FR
Range Forest Officer
Borduria Forest Range


(C. Simai) DCF
Divisional Forest Officer
Divisional Forest Division
Deomali Forest Division
Deomali, Dist. Tirap (A.P.)

Estimate for Extraction of trees to be felled for Borduria VRF under Borduria Forest Range.

Sl. No.	Particular of work	Quantity Cum	Quantity (Cft)	Rate per (Cft)	Amount	Remarks
1.	Cost of Marking	198.493	7010	2/-	14,020/-	
2.	Cost of felling	-do-	-do-	6/-	42,060/-	
3.	Cost of Cross cutting	-do-	-do-	5/-	35,050/-	
4.	Cost of Dragging	-do-	-do-	18/-	1261,80/-	
5.	Cost of transportation	-do-	-do-	24/-	168240/-	
6.	Depot maintains & TE etc.	-do-	-do-	4.75/-	33298/-	
	Total			59.75	4,18,848/-	



(T. Rangkhambhambi) Dy. FR
Range Forest Officer
Borduria Forest Range



(C. Simhai) DCF
Divisional Forest Officer
Deomali Forest Division
Deomali, Dist. Tirap (A.P.)

Joint Verification Report of the 3 (three) number drilling wells in Deomali PEL Area located within 10km of Dehing- Patkai Wild Life Sanctuary, Assam.

Date of Joint Verification: 07.10.2015

Time: 0830 Hrs to 1530Hrs

- Reference:** (i) OIL's Application for Wild Life Clearance from standing committee of NBWL (National Board of Wild Life) for 3 (three) number drilling wells in Deomali PEL Area located within 10km of Dehing- Patkai Wild Life Sanctuary, Assam.
- (ii) Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, Assam letter ref. No. WL/FG.35/OIL/3 Nos. drilling wells in Deomali Dehing-Patkai WLS/2014 dated 31/12/2014
- (iii) DFO Digboi letter ref. no. B/G-8(a)/2015/4298-99 dated 11/06/2015 to DFO, Deomali requesting to fix up a suitable date for joint verification of 3 (three) nos. drilling locations.

Reference above, the joint verification of the 3 (three) proposed drilling locations in Deomali PEL area located within 10 km of Dehing-Patkai Wild Life Sanctuary, Assam was carried out on 7th October 2015. The verification was carried out by the Officials/Personnel from the Office of the DFO, Digboi; DFO, Deomali and Oil India Limited, Duliajan.

1.0 Brief Description of the Project:

Oil India Limited (OIL), a Government of India Navaratna Enterprise, is engaged in carrying out exploration activities in its operational areas in Upper Assam, Arunachal Pradesh and Mizoram in the North Eastern part of India for petroleum exploration. Govt. of India and Arunachal Pradesh has awarded Petroleum Exploration License (PEL) for Deomali PEL Block to OIL having an area of 113.5 sq. km spreading in parts of Tirap and Changlang districts in the state of Arunachal Pradesh. The Deomali PEL Block is located in the mountainous terrain of Tirap and Changlang district of Arunachal Pradesh. Major town in the area is Deomali, located about 8 km from the PEL Block.

The proposed project sites of 3 (three) drilling wells in the Deomali PEL area in the state of Arunachal Pradesh for which OIL has sought Eco-Sensitive Zone Clearance from NBWL (National Board of Wild Life) are located within 10km of Dehing- Patkai Wild Life Sanctuary, Assam.

The said project is purely exploratory in nature and activity at one location will last for about 3-4 months. Consequent to successful exploration, if any, OIL shall have to obtain separate clearance from the Ministry of Environment, Forests and Climate Change for developmental activity in the area.

2.0 Requirement of Joint Verification:

The Dehing Patkai Wildlife Sanctuary is located in the state of Assam and its proposed Eco-Sensitive Zone has covered part of the Arunachal Pradesh also. The proposed project sites of Oil India Limited against which Eco Sensitive Zone (NBWL) clearance is required for execution of the project are located within the proposed Eco-Sensitive Zone of Dehing Patkai Wild Life

Sanctuary but in the state of Arunachal Pradesh. View above, it was decided for joint verification of the area comprising the representatives from DFO Digboi (Assam), DFO Deomali (Arunachal Pradesh) and OIL representatives.

3.0 The findings of the joint verification:

1. **Location Details:** The details of the proposed locations along with the findings are given in the following table:

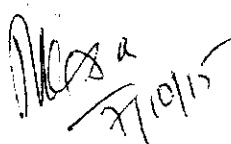
SL No	Loc Co-ordinate		Loc. Name	Location	Remarks
	Latitude	Longitude			
1	27° 07' 37.0"	95° 28' 47.5"	Loc-A (DML-1)	The location of the 2 (two) wells i.e. Loc-A (DML-1) & Loc-B (DML-3) is adjacent to the Deomali-Soha state PWD Road (approx. 50 m) and near Namsang Village under Deomali Subdivision in the Tirap District of Arunachal Pradesh. The area is falling within the Namsang Social Forest area under Deomali Forest Division, Deomali, Arunachal Pradesh. Both the proposed locations are in the same plinth area.	(i) The Loc-A (DML-1) is located at 2.0 Km & Loc-B (DML-3) 1.9 Km from the South Eastern boundary of Joypore Reserve Forest under the Dehing-Patkai Wild Life Sanctuary, Assam. (ii) The proposed drilling locations (project sites) are located under Deomali Subdivision in Tirap District of Arunachal Pradesh. (iii) The Dehing-Patkai Wild Life Sanctuary is bounded by the River Burhi-Dihing and Namsang Nadi/ Chhatju River and the proposed project sites are beyond the river. (iv) Nearest settlement at Namsang village is located at about 0.8 km in west and Deomali town is situated at about 8 km in north of the proposed drilling site. The Deomali-Soha State PWD Road is passing adjacent to the project site. (v) Presently the location is found to be jhoom cultivated area and did not observe physical forest within the proposed plinth area during verification visit.
2	27° 07' 16"	95° 28' 28"	Loc-B (DML-3)		
3	27° 05' 40.2"	95° 26' 43.0"	Loc-C (DML-2)	The proposed location is within the Village Reserve Forest under Borduria Forest Range of Deomali Forest Division, Tirap District of Arunachal Pradesh. The proposed drilling	(i) The Loc-C (DML-4) is located at 3.8 Km from the Southern Boundary of the Joypore Reserve Forest under the Dehing-Patkai Wild Life Sanctuary, Assam. (ii) The proposed drilling locations (project sites) are located under Deomali Subdivision in Tirap

				location is about 800 m towards east of the Hukanjuri-Soha National Highway (NH-315A).	District of Arunachal Pradesh. (iii) The Dehing-Patkai Wild Life Sanctuary is bounded by the River Burhi-Dihing and Namsang Nadi/ Chhatju River and the proposed project sites are beyond the river. (iv) The Joypore-Hukanjuri-Khonsa Road (NH-315A) is passing from North to South direction at about 800 m distance and Tarotju River is about 1 km away in the western part of the proposed drilling location/project site. (v) The area is mainly covered with dense tropical and subtropical rain forests.
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2. Members of the Joint Verification team:

DFO Office, Digboi, Assam	DFO Office, Deomali, Arunachal Pradesh	Oil India Limited, Duliajan, Assam
1. Shri R. K. Das, IFS DFO, Digboi Forest Division, Digboi	1. Shri C. Simai, DCF DFO, Deomali Forest Division, Deomali	1. Shri S. Basumatary Chief Engineer (S&L-NEF)
2. Shri Krishna Kanta Gogoi Junior Asstt.	2. Shri Dobin Doke, ACF, I/c ACF Mobile & Enforcement Squad SAC Deomali (AP)	2. Shri B.K. Shyam Civil Engineer (NEF)
	3. Shri R. Socia Range Forest Officer, Deomali & Borduria Forest Range	3. Shri P K Singha Asstt. Geophysicist (NEF)
	4. Shri T. Rangkhama Asstt. Range Officer	
	5. Shri S.T. Shin, Sr. Forester	

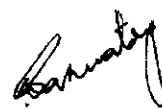
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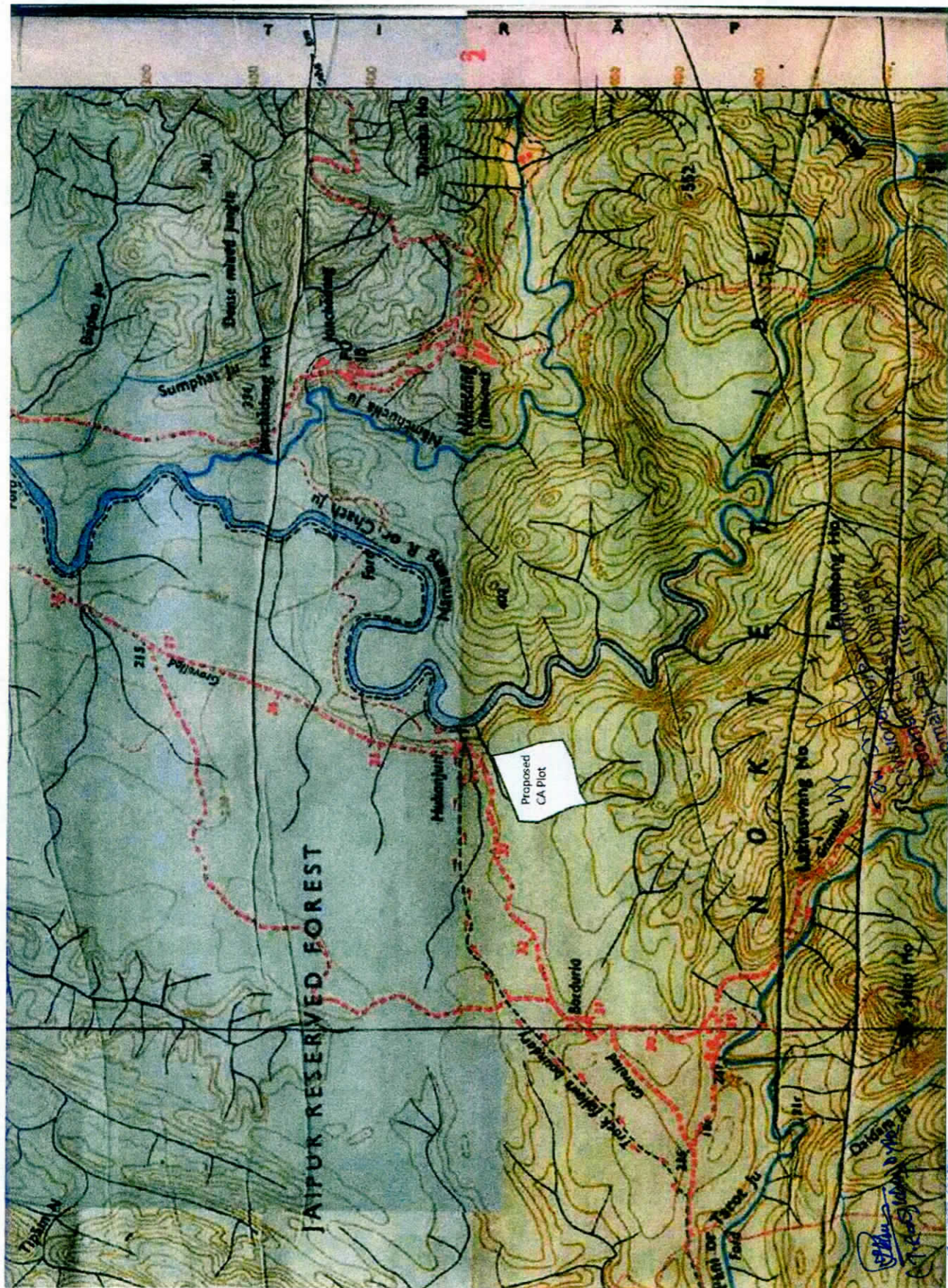
(R. K. Das, IFS)
Divisional Forest Officer
Digboi Forest Division
Assam



(C. Simai, DCF)
Divisional Forest Officer
Deomali Forest Division
Deomali Forest Division
Tirap Dist. (A.P.)
Arunachal Pradesh



(S. Basumatary)
Chief Engineer (S&L-NEF)
Oil India Limited
Duliajan, Assam

Proposed
CA Plot

rduria Crested
Dist. Time (A.P.)

Raised cost Norms for compensatory Afforestation plantation (1100 No of poly pot seedling ~~per hectare~~ at a spacing of 3 m x 3m to be planted) The cost Norms are for 1 hect area. Annexure - IV

1. Location :- Borduria VRF -DML-2
2. Forest Range :- Borduria Forest Range
3. Seedling/ Spacing :- 1100/3 m x 3m
4. Species :- Hollong, Makai, Dhuna, Hollock, Sopa, Hilika, Sam.
5. Area :- 15.00 Hect.
6. R. F. :- Bordura Reserve Forest
7. Geo-reference :- N 27° 07' 21.5" E 095° 26' 06.3"

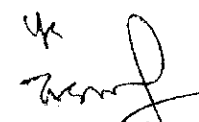
Sl. No.	Item of work	Manday	Cost of plantation	Total	Remarks
1.	1 st year operation				
	Survey & demarcation and preparation of map @ 5 D/l s	4 x 15 HA.	132/-	7920/-	
	Add paid holidays @18.63%	1 x 15 HA.	132/-	1980/-	
	Sub total	5	660/-	9900/-	
2.	2 nd year operation				
	I) Erection of barbed wire fence (5 strand) fencing 100 Rmt.	15 HA	10990/-	164850/-	Cost of Norms
	II) Maints. Barbed wire, fencing @ 5% of erection cost in each year from 3 rd year 6 year Add. Add 10% escalation value by multiplying factor.				
	1.20 for 3 rd year	15	659/-	9885/-	
	1.30 for 4 th year	15	714/-	10710/-	
	1.40 for 5 th year	15	769/-	11535/-	
	1.50 for 6 th year	15	824/-	12360/-	
	Sub total		13956/-	209340/-	
3.	Raising of seedling for casualty replacement 1 st year- 15%- 165 m 1180 2 nd year- 10%- 110 m 792	9.4 9.4	2500/- 1670/-	23500/- 15698/-	As per Norms
	Sub total			39198/-	
4.	Raising of plantation				
	I) Clearance of brush wood planting lines & skating of devises @15 D/l s per hac.	15 x 15 Ha	225/-	29700/-	
	II) Alignment of pits preparation of stakes, staking.	10 x 15 Ha	150/-	19800/-	
	III) Digging of pits 30 x 30 x 30 cum	22 x 15	375/-	49560/-	
	IV) Transportation of seedling to the planting site i/c planting of seedling	30 x 15	450/-	59400/-	
	V) Making of inspection path 1 mt wide	3 x 15	45/-	5940/-	
	VI) Fire line cutting 3 mt wide along the periphery	5 x 15	75/-	9900/-	
	VII) Tending 4 weeding	15 x 48	720/-	95040/-	
	VIII) Add paid holiday @18.63%	23 x 15	345/-	45540/-	
	Add 10% escalation value on total of item 4 (I) to 4 (VIII)	12.3 %	184.5 x 132/-	24354/-	
	Sub total			339234/-	

Sl. No.	Item of work	Monday	Cost of Planting	Wages Rate	Area (ha)	Amount	Remarks
5.	3 rd year operation						
	I) Tending 3 weeding	36	540 x 132/-	132/-	15 Ha	71280/-	
	II) Casualty replacement 15%	7	105 x 132/-	-do-	-do-	13860/-	
	III) Maints. of inspection path	1	132/-	-do-	-do-	1980/-	
	IV) Maints. of fire line	1	132/-	-do-	-do-	1980/-	
	V) Add paid holidays @1863%	8	120 x 132/-	-do-	-do-	15840/-	
	Add 20% escalation value on total of 5 (I) to 5 (V).	10.6	1399/-	-do-	-do-	20985/-	
	Sub total	63.6	11095/-		15.0 Ha	125925/-	
6.	4 th year operation						
	I) Tending 2 weeding	24	3168/-	132/-	15	47520/-	
	II) Casualty replacement 10%	7	924/-	-do-	-do-	13860/-	
	III) Maints. of inspection path	1	132/-	-do-	-do-	1980/-	
	IV) Maints. of fire line	1	132/-	-do-	-do-	1980/-	
	V) Add paid holiday @18.63 % on 6 (I) to 6 (IV).	6	792/-	-do-	-do-	11880/-	
	Add 30% escalation value on 6 (I) to 6 (V)	117	1544/-	-do-	-do-	23160/-	
	Sub total	50.7	6692/-		15	100380/-	
7.	5 th year operation						
	I) Tending – 1weeding	12	1584/-	132/-	15	23760/-	
	II) Maints. of inspection path.	1	132/-	-do-	-do-	1980/-	
	III) Maints. of fire line.	1	132/-	-do-	-do-	1980/-	
	IV) Add paid holiday @18.63% on 7 (III)	3	396/-	-do-	-do-	5940/-	
	Add 40% escalation value on 7 (I) to (IV).	6.8	898/-	-do-	-do-	13470/-	
	Sub total	23.8	3142/-		15	47130/-	
8.	6 th year operation						
	I) Tending 1 weeding	12	1384/-	132/-	15	23760/-	
	II) Maints. of inspection path	1	132/-	-do-	-do-	1980/-	
	III) Maints. of fire line	1	132/-	-do-	-do-	1980/-	
	IV) Add paid holiday @18.63% on 8 (I) to 8 (IV)	3	396/-	-do-	-do-	5940/-	
	Add 50% escalation value on item 8 (I) to (IV)	8.5	1122/-	-do-	-do-	16830/-	
	Sub total	25.5	3366/-		15	50490/-	
9.	7 th year operation						
	I) Tending 1 weeding	5	660/-	132/-	15	9900/-	
	II) Add paid holiday @18.63% on 9 (I)	1	132/-	-do-	-do-	1980/-	
	Add 60% escalation value on item 9 (I) to 9 (II)	3.6	396/-	-do-	-do-	5940/-	
	Sub total	9.6	1188/-		15	17820/-	

Sl. No.	Item of work	Monday	Cost of Planting	Wages Rate	Area (ha)	Amount	Remarks
10.	8 th year operation						
	I) Maints. of inspection path/ Fire line & climber cutting.	5	660/-	132/-	15	9900/-	
	II) Add paid holiday @18.63% on 10 (I)	1	132/-	-do-	-do-	1980/-	
	Add 70% escalation value on 10 (I) to 10 (II)	3.0	544/-	-do-	-do-	8310/-	
	Sub total	9.0	1346/-		15	20190/-	
11.	9 th year operation						
	I) Maints. of inspection path/ Fire line & climber cutting	5	660/-	132/-	15	9900/-	
	II) Add paid holiday @18.63% 11 (I)	1	132/-	-do-	-do-	1980/-	
	Add 80% escalation value on total 11 (I) to 11 (II)	4.8	634/-	-do-	-do-	9510/-	
	Sub total	10.2	1426/-		15	21390/-	
12.	10 th year operation						
	I) Maints. of inspection path/ Fire line and climber cutting	5	660	132	15	9900/-	
	II) Add paid holiday @18.63 on 12 (I)	1	132	132	-do-	1980/-	
	Add 80% of escalation value on total of item 12 (I) to 12 (II)	4.8	634	-do-	-do-	9510/-	
	Sub total	10.8	1426/-			21390/-	
13.	Wages of plantation watch man ie. Unskilled labourer round year for 10 year (one p/watch for every 25 ha of area subject to a minimum area of 15 ha @ Rs 4500/- for area =II per month Add escalation value by multiplying factor 1 st year.	1 D/Is for 10 year	4500/-	4500/-	15	45000/-	
	(M.F) 1.1 for 2 nd year.	-do-	7425	7425	15	74250/-	
	(M.F) 1.2 for 3 rd year	-do-	8100	8100	-do-	81000/-	
	(M.F = 1.3) for 4 th year	-do-	8775	8775		87750	
	(M.F = 1.4) for 5 th year	-do-	9450	9450		94500	
	(M.F = 1.5) for 6 th year	-do-	10125	10125		101250	
	(M.F = 1.6) for 7 th year	-do-	10800	10800		108000	
	(M.F = 1.7) for 8 th year	-do-	11475	11475		114750	
	(M.F = 1.8) for 9 th year	-do-	12825	12825		128520	
	Sub total			69600		835020/-	
14.	Monitoring and supervision (per maint. of vehicle supervision year TF etc) 10% on item No. 1 to 13 plus nursery					183741/-	

Sl. No.	Item of work	Monday	Cost of Planting	Wages Rate	Area (ha)	Amount	Remarks
15. (A)	Construction of OBT labour shed (2 room) for worker at plantation site subject to a minimum area of 10 ha and up to 25 ha beyond 25 ha one room to be added for every 13 ha or part thereof an proportionate cost.	1 No.	125,350/-	125,350/-	14.47	125350/-	
15. (B)	Maints. of OBT hact @25% of the construction cost per year from 4 th year to 6 th year including escalation value by multiplying factor.						
	1.3 for 4 th year	1 Nos.	3396/-	3396/-	15	49140/-	
	1.4 for 5 th year	1 Nos.	3658/-	3658/-	-do-	52931/-	
	1.5 for 6 th year	1 Nos.	3917/-	3917/-	-do-	56679/-	
	Sub total					284100/-	
16.	Approach foot track to plantation area where necessary.	790 Rmt.	4.25/-	4.25/-	15 Rmt.	3358/-	
17.	Entry point activities @10,000/- per hact			10,000/-	15	150000/-	
18.	Provision for soil and moisture conversation structures (where nudged) @4,600/- per hact.			4600/-	15	69000/-	
19.	Contingency 5% item No. 10-18 plus Nursery cost to the unforeseen expenditure					128246/-	
	Grand total					26,55,852/-	


 (T. Rangkhram) Dy. FR
 Range Forest Officer
 Boromali Forest Range
 Dist. Tirap (A.P.)


 (C. Simai) DCF
 Divisional Forest Officer
 Deomali Forest Division
 Deomali, Dist. Tirap (A.P.)



Government of Arunachal Pradesh
DEPARTMENT OF ENVIRONMENT, FORESTS & CLIMATE CHANGE
OFFICE OF THE DIVISIONAL FOREST OFFICER
DEOMALI FOREST DIVISION



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CERTIFICATE

This is to certify that the plot of land measuring 15.0 ha (double the area of proposed site) falls under Borduria VFR. The identified area is degraded forest land and is suitable for raising compensatory afforestation against the diversion of forest land of oil drilling site (DML-2). The selected CA area is ideal for management purposes.


(C. Simai) DCF
Divisional Forest Officer
~~Regional Forest Officer~~
Deomali Forest Division
Deomali, Dist. Tirap (A.P.)

SITE INSPECTION REPORT BY CONCERNED DEPUTY CONSERVATOR OF FORESTS

- | | | | |
|----|---|----|---|
| 1. | Name of the Project | :- | Borduria VRF, DML- 2 by OIL India Ltd. Duliajan (Assam) |
| 2. | Whether any rare/ endangered/ unique Species of flora and fauna found in the area if so details thereof. | :- | No endangered species/ flora & fauna seen in the proposed diversion area |
| 3. | Whether any protected archeological/ heritage site/ defense establishment of any other important monument is located in the area. If so, the details thereof with NOC from competent authority, if required. | :- | No. |
| 4. | Whether the required of forest land as Proposed by the user agency in col. 2 of part-I is unavoidable and barest minimum for the Project. | :- | Yes, it is unavoidable and barest minimum requirement for oil drilling. |
| 5. | Whether any work in violation of the Act has been carried out (Yes/ No). If yes, details of the same including period of work done, action taken on erring officials. Whether work in violation is still in progress. | :- | No. |
| 6. | Rehabilitation and Relocation of affected people. | :- | NIL |
| 7. | Soil erosion / Vulnerable Areas | :- | Diversion proposal is being sought for oil drilling purposes, so there is negligible chance of erosion. |



(C. Simai) DCF
Divisional Forest Officer
Deomali Forest Division

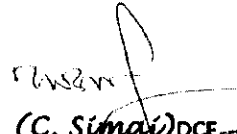
**NET PRESENT VALUE CALCULATION SHEET OF PROPOSED DRILLING SITE , HATHI NALA
(DML-2) IN BORDURIA VRF.**

Calculation of Net Present Value (NPV) of the proposed drilling site in Borduria VRF.

Value of the proposed land to be diverted consisting of tree etc. as follows :-

- | | |
|--------------------------------|---|
| 1. Total area of proposed site | :: 7.370 ha. |
| NPV Calculation | :: ₹ 9,39,000.00 (Eco-Class I Dense Forest) x 7.370 ha
= ₹ 69.204 lakhs |

NB :- Rate calculated as per GOI's guideline issued under Memo no. 1-19/CEC/ SC/2006- Pt . dtd 05.06.2008.


(C. Simai) DCE,
Divisional Forest Officer
Deomali Forest Division
Deomali, Dist. Tirap (A.P.)