Diversion of 0.1750 ha. Protected Forest land for Construction of Approach road petrol pump and complex at Village- Kondh Taluko- Netrang. Dist- Bharuch on leshwar Netrang road. by Proprietor. Shree Vidheshwari Petroleum. Kondh, leshwar.

Detailed scheme of Compensatory Afforestation for degraded area 1.00 ha. to be ied out in lieu of 0.175 ha. of Protected forest land to be diverted in Bharuch district.

Village	Koyali Mandvi
Laluka	Netrang
Range	Netrang
District	Bharuch
Division	Sub Division Bharuch
Block Haldari, Compt No.	547(79)
Area to be afforested	1.00 Ha.
Working circle	Plantation

Details of degraded land.

2. Description of Area.

soil type	Black & Starey
Lopography	Plain
Slope	Medium & Gentle
Whether the area is bearing any root stock of Vegetation	Yes

3. Name of Plantation Programme:-

Compensatory Afforestation Scheme for Degraded Area.

4. Schedule of Plantation Programme:-

- (i) The Compensatory Afforestation on degraded area would be started by Asst.Conservator of Forest. Sub Division Bharuch as early as possible after the proposal is formally approved.
 - (ii) Compensatory Afforestation will be done in 1.00 ha, area. The total afforestation cost will be about Rs.5,76,000/- Proprietor, Shree Vidheshwari Petroleum, Kondh, Ankleshwar. has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges).

Sr. Details	Specific	ations			
No.	The C.A. will be taken under Compensatory Afforestation for double land on degraded Forest Areas. The prevailing wage rate is 324.50 per day.				
a General Details					
b Spacement	3 X 3 mtr., 1111 plants per ha.				
Species to be planted					
(No. of plants per ha.)	Khair	200	70cm		
	Teak	300	90cm		
	Bamboo	100	65cm		
	Bahedo, Herde, Aritha	100	90cm		
	Haldu, Sadad. Arjun Sadad	100	90cm		
	Bhilamo, Kadayo, Sadad. Tandol etc.	100	75cm		
	Albizzia, Ficus, Jamun, Anjan. Neem. etc.	100	75cm		
	Bordi, Karanj, Khakhro & others	111	75cm		
	Total	1111			
e Site Preparation	The malformed rootstock present in the area will be cutback & the site will be cleaned in the month of Nov-Dec. Alignment & pi digging 45 x 45 x 45 cms. will be carried out in the month of Dec				
	Jan.				
Plantation Method	Polypot raised plants will be planted of	during mo	nsoon.		
Soil & Moisture	(i) Pucca structure like Check dan	n. check v	vall, retaining wall		
Conservation Works	(ii) Contour trenches 2.00 x 0.45 x 0.30, 300 Nos/ha, will be dualong the contour line, the dug out soil will be heaped on the down ward side. Gully plugging & Nala Banding using The loose stone available in the area will be carried out as prequirement. Seeds of Jatropha, Agave plants etc. will planted during monsoon in the upper side of nala as presuitability.				
Protection Trench	Barbed wire fencing, Seed sowing	And pla	anting of cuttings of		

Silvicultural Operations	Pyear three weeding soil working. Support watering
	provided if needed.
	2 nd year two weeding soil working.
	and working soil working.
Maintenance Subsequent silvicualtural Operation Proposed monitoring	It is proposed to maintain the Plantation up to teo pecific requirement) Cleaning, cutbacks, thinning etc. (as per species specific requirement) will be carried out at the age as per prescribed in the working plan. (i) A plantation register is to be maintained.
mechanism	(ii) Monitoring is to be done as per the following norms.
	$\begin{array}{rcl} \text{Forester} & 100\% \\ \text{RFO} & 100\% \\ \text{ACF} & -20\% \end{array}$
	DCF - 10% (iii) The results of survival etc. are maintained in the plantation register on a periodical basis, which is updated at the end of
	September and March each year.
	(iv) The collar girth is also to be reordered at the end of each year.
	 (iv) The conargination and a subsequence of the area is aimed at full (v) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species, except bamboo.
	(vi) Bamboo would be of the harvestable size by the end of 4 th year.
	(vii) Third party monitoring mechanism is also in the State and if the
	plantation is in the sample selected, it will also be monitored by
	the third party selected for this purpose.
Reconcertation cleaning	Cut-back and promotion of root suckers.
Silviculture & other	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.
	Subsequent silvicualtural Operation Proposed monitoring mechanism

(R. B. Patel) Asst. Conservator of Forest Sub Division, Bharuch

The Compensatory Afforestation scheme at the cost of **Rs. 5,76,000/-** is technically and administrative approved by the undersigned.

(R. B. Patel) Asst. Conservator of Forest Sub Division. Bharuch

Date:- **23** (09/2020) Place:-Bharuch

Amexure- 19-A

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Model No - 3

Annexure-4 (1)

Annexure-4 (1)	
Compensatory Afforestration Scheme for double degradation areas & Non Forest	
Daily wages Rs.324.50	0

	220	2480	4681
600 rmt	951	11	0 951
L.S.	1249	2480	37299
		0 1036	0 10360
5 00			
1111			
6.00	1367	4	12974
1111@	1015	7 0	10157
	351	7 0	3517
	6902	2 2817	9719
	741	220	961
222	1480	442	1922
	4681	242	4925
		242	4923
1222	0	1913	1913
2	5		
		4	5
01.	Labour	Material	Total
3	1222 222 111 111 6 00 1111 5 00 L.S.	2 3 1222 0 1222 4681 1222 4681 222 1480 111 741 6902 3517 1111 6902 1111 741 1111 741 1111 741 1111 10157 6.00 1367 1111 0 1222 1249 600 rmt. 957	2 3 4 2 3 4 1222 0 1913 1222 4681 242 1222 4681 242 1222 4681 242 1222 1480 442 1222 1480 442 111 741 220 6902 2817 6902 2817 1111 741 220 1111 741 200 1111 10157 0 1111 0 10360 1111 0 10360 L S. 12495 2480

Protection				
a) Barbed wire fencing	LS	3730	37299	41029
 b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence 		1160	499	1659
otal		4890	37798	42688
Sub Total of 0 year		47472	75779	123251
st Year				
a) Maintenance of nursery (April to June)	1222	3519	358	3877
b) Transport of seedling for plantation	1111	19438	407	19845
c) Planting with khamna of Min 1 m dia	1111	6054	0	6054
d)Transport of seediling for casualty replacement	111	210	46	256
(e) 3 weeding cum soil working	1111	24654	0	24654
(f) Support watering 5 times @ 3.25		15086	21646	36732
(g) Protection / tending operation		4861	0	4861
(h) Tending to natural vegetation		1220	0	1220
(i) Contigency		0	1220	1220
(j) Barbed Wire fencing (410/- Per Meter)	205 RM	33620	50430	84050
Total for 1st year		108662	74107	182769
2nd Year				
(a) 2 weeding & soil working		13245	C	13245
(b) 20 % Casually replecement, transport and planting	111+111	220	1097	1317
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs 5/ plant	0	12243	3 12243
(d) Support watering 3 times @ 3.25		9802	1407	1 23873
(e) Protection / tending operation		5290		0 5290
Total for 2nd year		28557	2741	1 55968
3rd Year				
(a) 2 weeding & soil working		13979	9	0 13979
(b) 10 % Casually replecement, transport and planting	111	118	18 591	
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	1	1342	22 1342
(d) Support watering 1 times @ 3 25		352		
(e) Protection & maintenance of fencing / tendi operation	ing L.S.	914	1	0 914
Total for 3rd year		2675	8 190	63 4582

		SAY		5,76,000
		339904	235632	575536
The Cost of Supervision/subsequental silvicultureal Operations	20%	56651	39272	95923
SUB TOTAL :		283253	196360	479613
Total for 10th year		10681	0	10681
Protection & maintenance of fencing/ tending operation	L.S.	10681	0	10681
10thYear		10172	0	10172
Protection & maintenance of fencing/ tending operation Total for 9th year	LS	10172	0	10172
9thYear			U	3003
Total for 8th year		9663	0	9663
Protection & maintenance of fencing/ tending operation	L.S.	9663	0	9663
8thYear		9155	0	9155
Total for 7th year				9155
Protection & maintenance of fencing/ tending operation	LS	9155	0	0155
7thYear		0040	U	0040
Total for 6th year		8646	0	8646
Protection & maintenance of fencing/ tending operation	L.S.	8646	0	8646
SthYear		8138	0	8138
Total for 5th year	L.S.	8138	0	8138
Protection & maintenance of fencing/ tending operation				
Total for 4th year		15349	0	15349
peration	LS	7629	0	7629
b) Protection & Maintenance of fencing/ Tending	1.0	7720	0	7720
a) 1 weeding & soil working		7700	-	

Note :-

(1) Seed sowing along fencing towards the inner side, and also in the plot.

(2) Planting of cutting of ipomea//Glaricidia along the fencing towards outer side.

Compensatory afforestation will be done in <u>1.00 ha</u>. Area. The Total afforestation cost will be <u>Rs. 5,76,000/-</u>

Total Cost Rs. : 5,76,000/-

505 (R B Patel) Asst. Conservator of Forest Sub Division, Bharuch

Penal Compensary Afforestation Scheme for double degraded area

Diversion of 0.1750 ha. Protected Forest land for Construction of Approach road for petrol pump and complex at Village- Kondh Taluko- Netrang, Dist- Bharuch on Ankleshwar Netrang road. by Proprietor, Shree Vidheshwari Petroleum, Kondh, Ankleshwar.

Detailed scheme of Penal Compensatory Afforestation for degraded area 1.00 ha. to be carried out in lieu of 0.175 ha. of Protected forest land to be diverted in Bharuch district.

Village	Sakva	
Taluka	Netrang	
Range	Netrang	
District	Bharuch	
Division	Sub Division Bharuch	
Block/ Haldari, Compt No.	545(77)	
Area to be afforested	1.00 Ha.	
Working circle	Plantation	

1. Details of degraded land.

2. Description of Area.

Soil type	D1 1 0 0
Topography	Black & Starey
Slope	Plain
1	Medium & Gentle
Whether the area is bearing any root stock of Vegetation	Yes

3. Name of Plantation Programme:-

Penal Compensatory Afforestation Scheme for Degraded Area.

4. Schedule of Plantation Programme:-

- (i) The Penal Compensatory Afforestation on degraded area would be started by Asst.Conservator of Forest, Sub Division Bharuch as early as possible after the proposal is formally approved.
- (ii) Penal Compensatory Afforestation will be done in 1.00 ha. area. The total afforestation cost will be about Rs.5,76,000/- Proprietor, Shree Vidheshwari Petroleum, Kondh, Ankleshwar. has given an undertaking to pay the cost of Penal Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges).

5. Technical Details:-

Technical details of Compensatory Afforestation are as Follows:

Sr. No.		Specific	ations	
a	General Details	The C.A. will be taken under Penal Compensatory Afforestation for double land on degraded Forest Areas. T prevailing wage rate is <u>324.50</u> per day.		
b	Spacement	3 X 3 mtr., 1111 plants per ha.		
с	Species to be planted	Khair	200	70cm
	(No. of plants per ha.)	Teak	300	90cm
		Bamboo	100	65cm
		Bahedo, Herde, Aritha	100	90cm
		Haldu, Sadad, Arjun Sadad	100	90cm
		Bhilamo, Kadayo, Sadad,	100	75cm
		Tandol etc.	100	/ 5011
		Albizzia, Ficus, Jamun, Anjan, Neem, etc.	100	75cm
		Bordi, Karanj, Khakhro & others	111	75cm
		Total	1111	/ 0 0111
d e	Nursery Technique Site Preparation	Nine months old polypot raised plants will be planted at the onset of monsoon.The malformed rootstock present in the area will be cutback & the		
		site will be cleaned in the month of Nov-Dec. Alignment & pit digging 45 x 45 x 45 cms. will be carried out in the month of Dec-Jan.		
f	Plantation Method	Polypot raised plants will be planted	during mon	soon.
g	Soil & Moisture Conservation Works	 Pucca structure like Check dam, check wall, retaining wall Contour trenches 2.00 x 0.45 x 0.30, 300 Nos/ha. will be dug along the contour line. the dug out soil will be heaped on the down ward side. Gully plugging & Nala Banding using The 		
		loose stone available in the requirement. Seeds of Jatrop planted during monsoon in suitability.	ha, Agave	plantsetc. will be
h	Protection Trench	Barbed wire fencing, Seed sowing Ipomea/ Glarcidia along the fence	g And plar	nting of cuttings of
i	Silvicultural Operations	1 st year three weeding soil workin provided if needed.	ng, Suppor	t watering will be

		2 nd year two weeding soil working.	
		3 rd year one weeding soil working.	
j	Maintenance	It is proposed to maintain the Plantation up to ten years.	
k	Subsequent silvicualtural Operation	Cleaning, cutbacks, thinning etc. (as per species specific requirement) will be carried out at the age as per prescribed in the working plan.	
1	Proposed monitoring mechanism	 (i) A plantation register is to be maintained. (ii) Monitoring is to be done as per the following norms. Forester - 100% RFO - 100% ACF - 20% DCF - 10% (iii) The results of survival etc. are maintained in the planta register on a periodical basis, which is updated at the end September and March each year. (iv) The collar girth is also to be reordered at the end of each year (v) At the end of maintenance period, the area is aimed at stocking and pole crop girth for all the species, except bambo (vi) Bamboo would be of the harvestable size by the end of 4th ye. (vii) Third party monitoring mechanism is also in the State and if plantation is in the sample selected, it will also be monitored the third party selected for this purpose. 	
m	Regeneration cleaning	Cut-back and promotion of root suckers.	
n	Silviculture & other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.	

(P. J. Chaudhari) Asst. Conservator of Forest Sub Division, Bharuch

The Compensatory Afforestation scheme at the cost of **Rs. 5,76,000/-** is technically and administrative approved by the undersigned.

(P. J. Chaudhari) Asst. Conservator of Forest Sub Division, Bharuch

Date:- 2 • /03/2021 Place:- Bharuch

Model No - 3

Annexure-4 (1)

Penal Compensatory Afforestration Scheme for double degradation areas & Non Forest area acquired Under FCA Proposals.

Daily wages Rs.324.50

		201	.,	
Spacements = 3 m x 3 m				
111 seedling / Ha				
st year replacement 10 % = 111 seedling /ha				
nd year replacement 20 % = 111+111 seedling /ha				
rd year replacement 10 % = 111 seedling /ha				
otal Seedlings = 1333 seedling /ha				
Polypot size : 15 cm x 25 cm x 200				
Item of work	Qty.	Labour	Material	Total
1	2	3	4	5
year				
lursery				
 a) Cost of soil, ,manure, seeds, water, 	1222	0	1913	1913
fartillizer, insecticides, implements, rent of lands.				
Shade, etc. (including 10 % for casuality				
eplacement)	1000	1004	040	4000
b) labour : Preparation of beds, filling and arranging of	1222	4681	242	4923
bags, showing of seeds, watering shifting, weeding				
tc.				1000
c) Seedling cost for casuality replacement in one year	222	1480	442	1922
ld (20%)				
d) Seedling cost for casuality replacement in two year	111	741	220	961
ld (10%)				
otal		6902	2817	9719
. Area Development (Land Preparation)				
 a) Survey, cutback and promotion of root suckers 		3517	0	3517
 Aligment and digging of pits 0.45 X 0.45 X 0.45 	1111@	10157	0	10157
	6.00			
otal		13674	the second se	12974
a) Natural fertilizer (Neem cake/ Castor cake)	1111 @	0	10360	10360
	5.00			
otal		0	10360	10360
S. SMC Works				
a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	12495	24804	37299
a) Oneok wall retaining wall follookaon (all passa en.))				
b) Contour trench 2 M x 45 Cm x 30 Cm as per	600 rmt.	9511	0	9511
Rs.17.00/rmt				
(300 trench)				
Fotal		22006	24804	46810
VWI				

4. Protection				
a) Barbed wire fencing	L.S.	3730	37299	41029
 b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence 		1160	499	1659
Total		4890	37798	42688
Sub Total of 0 year		47472	75779	123251
1st Year				
(a) Maintenance of nursery (April to June)	1222	3519	358	3877
(b) Transport of seedling for plantation	1111	19438	407	19845
(c) Planting with khamna of Min 1 m dia	1111	6054	0	6054
(d)Transport of seediling for casualty replacement	111	210	46	256
(e) 3 weeding cum soil working	1111	24654	0	24654
(f) Support watering 5 times @ 3.25		15086	21646	36732
(g) Protection / tending operation		4861	0	4861
(h) Tending to natural vegetation		1220	0	1220
(i) Contigency		0	1220	1220
(j) Barbed Wire fencing (410/- Per Meter)	205 RM	33620	50430	84050
Total for 1st year		108662	74107	182769
2nd Year				
(a) 2 weeding & soil working		13245	0	13245
(b) 20 % Casually replecement, transport and planting	111+111	220	1097	1317
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	12243	12243
(d) Support watering 3 times @ 3.25		9802	14071	23873
(e) Protection / tending operation		5290	0	5290
Total for 2nd year		28557	27411	55968
3rd Year				
(a) 2 weeding & soil working		13979	0	13979
(b) 10 % Casually replecement, transport and planting	111	118	591	709
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	13422	13422
(d) Support watering 1 times @ 3.25		3520	5050	8570
(e) Protection & maintenance of fencing / tendin operation	g L.S.	9141	0	9141
Total for 3rd year		26758	19063	4582

A & SX & T & SX & X & S

		SAY		5,76,000
		339904	235632	575536
The Cost of Supervision/subsequental silvicultureal Operations	20%	56651	39272	95923
SUB TOTAL :		283253	196360	479613
Total for 10th year		10681	0	10681
Protection & maintenance of fencing/ tending operation	L.S.	10681	0	10681
10thYear				
Total for 9th year		10172	0	10172
Protection & maintenance of fencing/ tending operation	L.S.	10172	0	10172
9thYear				
Total for 8th year		9663	0	9663
Protection & maintenance of fencing/ tending operation	L.S.	9663	0	9663
Total for 7th year 8thYear		9155	0	9100
Protection & maintenance of fencing/ tending operation	L.S.	9155	0 0	9155 9155
7thYear				0455
Total for 6th year		8646	0	8646
Protection & maintenance of fencing/ tending operation	L.S.	8646	0	8646
6thYear		0100		0100
Total for 5th year		8138	0	8138
5thYear Protection & maintenance of fencing/ tending operation	L.S.	8138	0	8138
Total for 4th year		15349	0	15349
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7629	0	7629
(a) 1 weeding & soil working		7720	0	7720
4thYear		7720	0	770

Note :-

(1) Seed sowing along fencing towards the inner side, and also in the plot.

(2) Planting of cutting of ipomea//Glaricidia along the fencing towards outer side.

Penal Compensatory afforestation will be done in <u>1.00 ha</u>. Area. The Total afforestation cost will be <u>Rs. 5,76,000/-</u>

Total Cost Rs. : 5,76,000/-

(P. J. Chaudharil) Asst. Conservator of Forest Sub Division, Bharuch