Full Title of the project: Diversion of 0.005 hac. of Forest land for access to the Proposed Retail Outlet of HPCL on Badi Mazra-Pansra Road (within Municipal Limit Yamuna Nagar) at Village Badi Mazra, Tehsil Jagadhri, under forest Division and Distt. Yamuna Nagar. Haryana.

Online Proposal No. FP/HR/Approach/53599/2020 Date of Proposal:

## CHECK LIST SERIAL NUMBER:-18 "SCHEME FOR C.A."

Name of the Forest/Reach to be diverted Forest Area =0.005 hac.

Details of degraded forest land/non-forest land where C.A. is to be carried out.

Division: Yamunanagar District : Yamunanagar

Tehsil: Jagadhri

C.A. Site name: Devdhar PF

Area to be Afforested :- 0.100 hac.

Whether the site selected for Compensatory Afforestation is a Land bank (Yes or a)

If the CA site is other than the land bank, reasons be given:-In case of non-forest area identified for CA, then what is the distance of CA b) site from the adjoining forest boundary:-

Soil type: Sandy to Sandy Loam i)

a. Hilly/Undulating/Plain:Plain Topography ii)

Slope:-Steep/Medium/Gentle: Gentle b.

Whether the area is bearing any root stock of vegetation:- No iii) Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under;

1. Schedule of Plantation Programme:-

Detail of year wise break-up of requirements of funds is as under:-

The plantation cost is calculated for Tall Plants norms at 4m x 2.5m spacing at the wage rate of Rs. 247 08 per day as under:-

47.00	Cost Statement Of Plantation (Tall Plants) mo	del u	nder	Comp	ensator	y Afforestati	on
No. of	Plants per ha.=500 TP , spacing=4m row to row					N.	
Sr. No.	Item of Work			Unit	Qty.	Rate/Uni t	Amount
	ar expenditure as wage rate Rs. 347.08 per day		,N				
1	Jungle clearance.		Ha		0.5	5204.05	2602.03
2	Kana/ lantana Cutting.		Ha		0.25	8677	2169.25
3	Dag bailing and alignment.		RKI	M	2	242.86	485.72
4	Digging of pits 500x0.6mx0.6mx0.6m.		m3		108	147.45	15924.6

6         Carriage of Soil by hired tractor upto 5 Km including Loading, unloading.         m3         72         474.92         34194.24           7         Raising of plants in nursery P.Bag Size (30cmx45cm): 500+20% extra.         No.         600         97         58200           8         Loading/ Unloading of plants in tractor/cart         No.         600         2.61         1566           9         Carriage of plants.         No.         600         21.79         13074           10         Planting of seedling including 10% replacement.         No.         550         13.89         7639.5           11         Carriage of Plants with six stick including cutting cutting carriage of fencing material.         No.         500         52.06         26030           12         Cost of fertilizer, manures, insecticides etc including application.         No.         500         20         10000           13         Irrigation eight times.         No.         4000         5.21         20840           14         Purchase of water         No.         4000         1.27         5080           15         First weeding & hoeing.         No.         3000         5.21         15630           16         Subsequent weeding & hoeing six times         No.         3000	5	Purchase of good Soil for filling in pits 500x0.6mx0.6mx0.4m.	m3		72	400	28800.00
7   (30cmx45cm): 500+20% extra.	6		m3		72	474.92	34194.24
						07	58200
Sociating of plants in tractor/cart No.   No.   600   21.79   13074							
10   Planting of seedling including 10% replacement. No.   550   13.89   7639.5							
Planting of seedling including 10% replacement.   No.   330   2000	9						
11	10		No.		550	15.65	7033.0
12   including application.	11		No.		500	52.06	26030
12   including application.	-	Cost of fertilizer, manures, insecticides etc				20	10000
13	12						
14   Purchase of water	13	Irrigation eight times.	_				
15   First weeding & hoeing.   No.   3000   5.21   15630     16   Subsequent weeding & hoeing six times   No.   3000   5.21   15630     Grass cutting from one meter wide strip 5 Times in   m2   2500   3.47   8677     17   500 meter length in per Ha.   254377.3     Total	14	Purchase of water	-				
16   Subsequent weeding & hoeing six times   No.   3000   5.21   13000	15	First weeding & hoeing.					
17		Subsequent weeding & hoeing six times	No.		3000	5.21	13030
Total		Grass cutting from one meter wide strip 5 Times in	No.		2500	2.47	8677
Total	17	500 meter length in per Ha.	m2	W.C.	2500	3.47	
18       component       255437.73         19       Added contractor profit @ 10% of total       25437.73         Net Total       306339.8         2nd year maintainance with 20% Replacement @ Wage rate Rs.382 per day anticipating 10% increase.         1       Raising of plants in nursery (30cmx45cm) : 100+20%       No.       120       100       12000         2       Re-opening of pits 100x0.6mx0.6mx0.5m       m3       18       76.97       1385.46         3       Loading and unloading of plants       No.       100       2.89       289         4       Carriage of plants       No.       100       24.17       2417         5       Planting of plants       No.       100       15.4       1540         Fencing of Plants with six stick including cutting carriage of fencing material.       No.       100       57.31       5731         7       Irrigation five times       No.       0       5.78       14450         8       Purchase of water       No.       0       1.4       3500		Total			p. 1	1 1	4
19   Added contractor profit @ 10% of total   306339.8   0   0	10	20			y 2.0	- 4	
Net Total   2nd year maintainance with 20% Replacement @ Wage rate Rs.382 per day anticipating 10% increase.   Raising of plants in nursery (30cmx45cm) : 100+20%		Added contractor profit @ 10% of total	M.		1 T T		
Net Total           2nd year maintainance with 20% Replacement @ Wage rate Rs.382 per day anticipating 10% increase.           Raising of plants in nursery (30cmx45cm) : 100+20%           1         extra         No.         120         100         12000           2         Re-opening of pits 100x0.6mx0.6mx0.5m         m3         18         76.97         1385.46           3         Loading and unloading of plants         No.         100         2.89         289           4         Carriage of plants         No.         100         24.17         2417           5         Planting of plants         No.         100         15.4         1540           6         carriage of Plants with six stick including cutting         No.         100         57.31         5731           7         Irrigation five times         No.         0         5.78         14450           8         Purchase of water         No.         0         1.4         3500	19	Added contraster pro-	Haran .	Carte		B. 1.	_ 1
Raising of plants in nursery (30cmx45cm) : 100+20%		Net Total		H .			
1       Raising of plants in nursery (30cmx45cm): 100+20% extra       No.       120       100       12000         2       Re-opening of pits 100x0.6mx0.6mx0.5m       m3       18       76.97       1385.46         3       Loading and unloading of plants       No.       100       2.89       289         4       Carriage of plants       No.       100       24.17       2417         5       Planting of plants       No.       100       15.4       1540         Fencing of Plants with six stick including cutting carriage of fencing material.       No.       100       57.31       5731         7       Irrigation five times       No.       0       5.78       14450         8       Purchase of water       No.       0       1.4       3500	2nd	year maintainance with 20% Replacement @ Wage rat	e Rs.	.382 pc	er day ar	iticipating 10	J%
1       extra       No.       120       100       12000         2       Re-opening of pits 100x0.6mx0.6mx0.5m       m3       18       76.97       1385.46         3       Loading and unloading of plants       No.       100       2.89       289         4       Carriage of plants       No.       100       24.17       2417         5       Planting of plants       No.       100       15.4       1540         Fencing of Plants with six stick including cutting carriage of fencing material.       No.       100       57.31       5731         7       Irrigation five times       No.       0       5.78       14450         8       Purchase of water       No.       0       1.4       3500		ease.				- N	-
1       extra         2       Re-opening of pits 100x0.6mx0.6mx0.5m       m3       18       76.97       1385.46         3       Loading and unloading of plants       No.       100       2.89       289         4       Carriage of plants       No.       100       24.17       2417         5       Planting of plants       No.       100       15.4       1540         Fencing of Plants with six stick including cutting       No.       100       57.31       5731         7       Irrigation five times       No.       0       5.78       14450         8       Purchase of water       No.       0       1.4       3500		Raising of plants in nursery (30cmx45cm): 100+20%		NIA	120	100	12000
2 Re-opening of pits 100x0.0mx0.0mx0.0mx0.0mx0.0mx0.0mx0.0mx0	1						
Coarriage of plants   No.   100   24.17   2417	2						
4       Carriage of plants         5       Planting of plants         Fencing of Plants with six stick including cutting carriage of fencing material.       No. 100 57.31 5731         7       Irrigation five times       No. 0 5.78 14450         8       Purchase of water       No. 0 1.4 3500	3						
Fencing of Plants with six stick including cutting 6 carriage of fencing material.  No. 100 57.31 5731  250  No. 0 5.78 14450  8 Purchase of water  No. 0 1.4 3500	4	Carriage of plants					
6 carriage of fencing material. No. 100 57.31 5731 7 Irrigation five times No. 0 5.78 14450 8 Purchase of water No. 0 1.4 3500	5			No.	100	15.4	1540
7 Irrigation five times							1
7 Irrigation five times No. 0 5.78 14450 8 Purchase of water No. 0 1.4 3500 250	6	carriage of fencing material.		No.		57.31	5731
8 Purchase of water No. 0 1.4 3500 250				NI-		F 70	14450
8 Purchase of water No. 0 1.4 3500 250	7	Irrigation five times		NO.		5./8	14450
250		Durchase of water		No		1 4	3500
16.00	8	Purchase of water		140.		1,4	3300
9 Sub. Weeding and hoeing five times No. 0 5.78 14450	9	Sub. Weeding and hoeing five times		No.		5.78	14450

	Grass cutting from one meter wide strip 4 Times in 500		200		7630
10	meter length in per Ha.	m2	0	3.81	7620
11	Repair of Fencing	No.	400	7.70	3080
12	Cost of fertilizer, manures, insecticides etc including application.	No.	500	10	5000
12	Total	110.	- 555		71462.46
13	Added EPF @ 13% and ESI @ 3.25% of wages component				9791.67
14	Added contractor profit @ 10% of total				7146.25
	Net Total				88400.38
3rd v	ear maintainance 10% Replacement @ wage rate Rs. 420 p	er day			
_	Raising of plants in nursery (30cmx45cm): 50+20%	-	60	110	6600
1	extra		9	67.9	611.1
2	Re-opening of pits 50x0.6mx0.6mx0.5m		50	2.55	127.5
3	Loading and unloading of plants		50	21.32	1066
4	Carriage of plants		50	13.59	679.5
5	Planting of plants				
	Fencing of Plants with six stick including cutting	No.	100	63.04	6304
6	carriage of fencing material.		200		
_	Irrigation four times	No.	0	5.1	10200
7	Irrigation rour times	14	200		2000
8	Purchase of water	No.	0	1.54	3080
_		N-	200	5.1	10200
9	Weeding and hoeing four time	No.	0	6.37	2548
1	Pruning of 1/3 Lower portion of Plants	No.	400	0.57	2340
1	Grass cutting from one meter wide strip 2 Times in 500 meter length in per Ha.	m2	100	4.19	4190
	Cost of fertilizer, manures, insecticides etc including application.	No.	500	10	5000
-	Total				50606.1
-	Added EPF @ 13% and ESI @ 3.25% of wages	1-4-1			
1,	3 component				6716.55
-	4 Added contractor profit @ 10% of total	7:			5060.61
-	Net Total				62383.26
4+	year maintainance 10% Replacement @ wage rate Rs.462	per day			
	Raising of plants in nursery	1 7	60	110	6600
_	Re-opening of pits 50x0.6mx0.6mx0.5m		5.5	98.36	540.98
_	B Loading and unloading of plants	1	50	3.69	184.5
-	Carriage of plants		50	30.88	-
-	5 Planting of plants		50		
	rianting of plants		50	19.69	304.5

5	Fencing of Plants with six stick including cutting carriage of fencing material.				2467
A THE PERSON NAMED IN	Cathering Control of the street of the stree	No.	50	69.34	3467
7	Irrigation two times		100	7.20	7390
richt-insumbiet-	militarion (Mo fillie)	No.	100	7.39	7330
8	Purchase of water	No.	0	1.7	1700
	THE CHARLES OF WAILER	NO.	100	-	
9	Weeding and hoeing two time	No.	0	7.39	7390
10	Pruning of 1/3 Lower portion of Plants	No.	400	7.37	2948
to Restriction to	Grass cutting from one meter wide strip 2 Times in 500		100	And the second s	
11	meter length in per Ha.	m2	0	4.60	4600
12	Cost of fertilizer, manures, insecticides etc including application.	No.	500	10	5000
7.	Total				42348.98
	Added EPF @ 13% and ESI @ 3.25% of wages				
1.0	component				5512.08
14	Added contractor profit @ 10% of total				4234.9
15	Net Total				52095.96
TAL	year maintainance at wage rate Rs.508 per day				
Stn	year maintainance at wage rate 15,555 per day		100		
1	Irrigation Two times	No.	0	8.11	8110
	THIS CONTRACTOR OF THE PARTY OF		100		
2	Purchase of water	No.	0	1.87	1870
3	Pruning of 1/3 Lower portion of Plants	No.	400	8.10	3240
-	Grass cutting from one meter wide strip 1 Times in 500 meter length in per Ha.	m2	500	5.06	2530
	Total		+ 14.	1,	15750
	Added EPF @ 13% and ESI @ 3.25% of wages component			1	937.63
-	6 Added contractor profit @ 10% of total				1575
	Net Total		411		18262.63
6t	h year maintainance at wage rate Rs.559 per day				
-	1 Misc. Expenditure on Cleaning, Pruning and thinning	L/S			6500
	Total				6500
	Added EPF @ 13% and ESI @ 3.25% of wages component				
-	3 Added contractor profit @ 10% of total		-		1056.25
-	Net Total				650
7	th year maintainance at wage rate Rs. 615 per day				8206.25
-	Misc. Expenditure on Cleaning, Pruning and thinning	1.10			
-	Total	L/S			6500
	Added EPF @ 13% and ESI @ 3.25% of wages				6500
	2 component				1056.25

3	Ac	dded contractor profit @ 10% of total				650
	N	et Total			8206	.25
th ye	ear ı	maintainance at wage rate Rs. 677 per day				
1	N	Nisc. Expenditure on Cleaning, Pruning and thinning	L/S		65	500
	1	otal			65	500
	Δ	Added EPF @ 13% and ESI @ 3.25%of wages	1			
2		component			1056	.25
3	_	Added contractor profit @ 10% of total	1.5		(	550
	-	Net Total			8206	.25
9th		r maintainance at wage rate Rs.745 per day	3-35-			
1		Misc. Expenditure on Cleaning, Pruning and thinning	L/S		65	500
	+	Total			69	500
	+	Added EPF @ 13% and ESI @ 3.25% of wages			-8	
2	,	component			1056	.25
	3	Added contractor profit @ 10% of total				650
<u> </u>		Net Total			8206	5.25
10	)th \	year maintainance at wage rate Rs. 820 per day				
	1	Misc. Expenditure on Cleaning, Pruning and thinning	L/S			500
-		Total	in the		6	500
-		Added EPF @ 13% and ESI @ 3.25% of wages		-		
	2	component		-	1050	
	3	Added contractor profit @ 10% of total				650
		Net Total			820	6.25
		Abstract of cost norm	O ma	· T		
		Year of Plantation		st(Rs.)	Cost per plant(R	s.)
	1	1st year plantation	PARCHE.	339.80	612.68	
	2	2nd year maintainance		400.38	176.80	
	3		Average and the second	383.26	124.77	
	4	1002	April 1	095.96	104.19	
	5		Medical Control of Control	262.63	36.53	_
1	6		Charles and Charle	206.25	16.41	
	_ 7		Mary San	206.25	16.41	
	8		Marian Art and a	206.25	16.41	
	2		Military	206.25	16.41	
	1	0 10th year maintainance	Et. Comment	206.25	16.41	
		Total	26	8513.28	1137.03	

Area to be Diverted: 0.005 ha. No. of Trees to be felled: 0 No. of Plants to be damaged: 0

Area to be planted under normal CA: 0.100 ha. (Double the area to be Diverted)

Plants to be Planted under normal CA: 100 Nos.

Additional C.A. in lieu of plants to be damaged (Double the plants to be

damaged)= Nil

Area to planted under Addl. CA: Nil (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA): 100

Total Area to be planted (CA+Addl. CA): 0.100 ha. Or say 100 Plants

(Succeeding years maintenance has been computed taking into account the anticipated

vage rates @ 10% per year.)

	e in wage rates @ 10% per year.)		RATE	T.Amt. (Rs.)
S.No	DESCRIPTION	No. of Plant	14112	
- 1	Compensatory Afforestation Charges	100	612.68	61268.00
	(1) 1 <sup>st</sup> Year cost of afforestation	100	176.80	17680.00
	(2) 2 <sup>nd</sup> Year maintenance	100	124.77	12477.00
	(3) 3 <sup>rd</sup> Year maintenance	100	104.19	10419.00
	(4) 4 <sup>th</sup> Year maintenance	100	36.53	3653.00
	(5) 5 <sup>th</sup> Year maintenance	30		1641.00
	(6) 6 <sup>th</sup> Year maintenance	100	16.41	1641.00
Α	(7) 7 <sup>th</sup> Year maintenance	100	16.41	1641.00
1	(8) 8 <sup>th</sup> Year maintenance	100	16.41	1641.00
	(9) 9 <sup>th</sup> Year maintenance	100	16.41	
	(10) 10 <sup>th</sup> Year maintenance	100	16.41	1641.00
	Total Charges	-	White I	113702
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	11370
-	Total (A) C.A. Charge		onurges	125072
	Additional Compensatory Afford	estation Char	ges	74 1
	(1) 1 <sup>st</sup> Year cost of afforestation	0	612.68	0
	(2) 2 <sup>nd</sup> Year maintenance	0	176.80	0
	(3) 3 <sup>rd</sup> Year maintenance	0	124.77	0
	(4) 4 <sup>th</sup> Year maintenance	0	104.19	0
D	(5) 5 <sup>th</sup> Year maintenance	0	36.53	0
В	(6) 6 <sup>th</sup> Year maintenance	0	16.41	0
	(7) 7 <sup>th</sup> Year maintenance	0	16.41	0
	(8) 8 <sup>th</sup> Year maintenance	0	16.41	0
	(9) 9 <sup>th</sup> Year maintenance	0	16,41	
	(10) 10 <sup>th</sup> Year maintenance	0	16.41	(
	Total (B) Addl. C.A. Charges		-0.71	
C	Penal C.A.		1	
-				

	Catchment Area Treatment			of Common Legislation Common Technology (Common Common Com
D	Soil and Moisture Conservation cha	rges	30% of the Total CA	37522
	Total (D)		37522	
E	Safety Zone (if required)			
Г	Additional Charges (if required)	Qty	Rate	0
F	Total (F)			
G	Net Present Value of Forest Land to	o be diverted	Rs. 887000/- per ha.	4435
		Vol. M <sup>3</sup>	Rs.1400	0
H	Felling charges	0.00	/- per m <sup>3</sup>	
I	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	Grand Total (A+B+C+D+E+F+G+) CAMPA Fund	leposited in	167029	

2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

a) General Details:-

Plantation will be done with six stick fencing.

b) Spacement:-

 $4 \times 2.5$  meter

c) Species:-

Neem, Pahari Papri, Shisham, Jamun, Gullar, Arjun

d) Plantation Method:-

Tall Plants Plantation

e) Soil and Moisture Conservation Works

f) Protection (Fencing, Watch man, People's Participation etc.):- Watchman

g) Proposed Monitoring Mechanism:- (M&E),

h) Any Other information:- Nil.

Place: Dated:

Dy Conservator of Forests
Dy. Conservator of Forestion,
Yamunan Nagar.

Note: CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.