Full Title of the Project:

Diversion of 0.0019 ha. of forest land for construction of open drain in addition to 0.081 ha. forest land already diverted for access to Retail Outlet (Petrol Pump) Khasra No. 161//13 at Village Lohani on Bhiwani Loharu road (NH-709B), km 136.702 (RHS), Tehsil & District

Bhiwani, Haryana.

File No. : FCA/S/ Date of Submission: FP/HR/Others/150474/2021.

24.12.2021.

CHECK LIST SERIAL NUMBER:-18

"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted - Forest land for construction of open drain in addition to 0.081 ha. forest land already diverted for access to Retail Outlet (Petrol Pump) Khasra No. 161//13 at Village Lohani on Bhiwani Loharu road (NH-709B), km 136.702 (RHS), Tehsil & District Bhiwani, Haryana.

Forest Area = 0.0019 ha.

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

Division: Bhiwani

District: Bhiwani

Area to be Afforested :- 0.10 ha.

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

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 site from the adjoining forest boundary:-

Soil type: Good i)

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

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

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;

Norms of Tall plants under Compensatory Afforestation demanded from User Agency in FCA diversion proposals at a wage rate of Rs. 405.11/- per day (in Plain Areas)

	No. of Plant	s per Ha.=	1000		
Sr No.	Item of Work	Unit	Qty.	405.11/- Rate/Unit(Rs)	Amount (Rs.)
	ar Plantation	A Park	149	15.50	
1	Jungle Clearance	На.	0.5	6076.65	3038.33
2	Raising of Plants in nursery (30cmx45cm)	No.	480	101.57	48753.60
3	Raising of Plants in nursery (15cmx22cm)	No.	720	13.38	9633.60
1	Dag bailing and alignment	RKM	3	283.58	850.74
5	Digging of pits(400x0.6mx0.6mx0.6m)	M3	86.4	172.17	14875.49

			2.60	54.67	75	141.77	775	1.27
	Diagi	ng of	M3	54.0	13	141		A AND REAL PROPERTY.
100	· / /	00-0 15mx() 45mx().45m)		1.10		3.06	134	16.40
	pits(4	ing and unloading of plants in	No.	440)	3.00		
7	Load	(sort (20v45m)				0.45	29	7.00
	Tract	or/cart (30x45m) ling and unloading of plants in	No.	66	0	0.45	-	,,,,
8	Load	ling and unloading of plants				25.45	11	198.00
7	Trag	tor/cart (15cm x 22cm)	No.	44	0	25.45	Control of the Control	69.80
9	Carr	iage of plants (30x45cm)	No.	66	0	2.53		
10	0	lace of plants (15cm x 22cm)	No.	44	10	16.22	71	36.80
11	Plan	tation of plants including 1070	140.					10.10
	1		No.	60	60	6.09	40	019.40
12	Dlor	ntation of plants including 1070	INO.					
12	1	acoment (15cm x 22cill)	NIa	20	000	0.8	1	600.00
12	Apr	plication of fertilizer (one time	No.	20	,00			
13	DA	P + one time Urea)			000	6.09	30	0450.00
	T .	-ation five times	No.		000	8.08	3	3232.00
14	IIII	st Weeding & Hoeing (30x45m)	No.		100	6.09	1	3654.00
15	Fir	est Weeding & Hoeing (15cm x	No.	(500	0.09		l,
16						6.00		4872.00
	22	cm) and hoeing two	No.		800	6.09		1072.00
17	Su	bsequent weeding and hoeing two				-		4860.00
	tir	mes (30x45m)	No.		1200	4.05		4860.00
18	Sı	ubsequent weeding and hoeing two	110.					7202
		(15 am y) / cm)						7292
19	-	act of wages of protection watcher	Lo	-				48 5 0
17	/	anataction Walchel IOI SIA						
		anthe for plantation area of 10 na.)					1000
20	1	Miscellaneous Expenditure(Urea						
20) [Dap, tools, etc.)					1-1-4	167530.43
	1	Total			3 6 6 5			
		Added EPF @13%						
	1	Added ESI@3.25%			3 887	283.03		13611.85
	-	Of wages component 50% of the						1501
								11727.13
		total	1					192869.40
		Added Contractor Profit@7% tota	1			3 1 1 1 1 3 5		192809.40
		Net Total						05407
211	d Yea	r Plantation	I	ła.	0.5	1908.	14	954.07
-	1	Cleaning of weed/bushes between	1	ıu.				138 318
	1	nlantation		No.	96	101.:	57	9750.72
	2	Raising of Plants in nursery		No.	10			
	4	(30cm×45cm)		NI	14	13.3	38	1926.72
	2	Raising of Plants in nursery		No.	14			1
	3	(15cmx22cm)			17	28 81.	03	1400.20
1		Re-opening of pits		M3	17.	20 01.		
	4	80x0.6mx0.6mx0.6m			100	93 81.	03	885.66
		80XU.0IIIXU.0IIIX		M3	10.	93 81.	05	
	5	Re-opening of pits Re-opening of pits					06	569.28
		120x0.45mx0.45mx0.45m	3	No.	8	8 3.	06	307.20
	6	Loading and unloading of plants						59.40
		$(20 \times 15 \text{m})$		No.	1	32 0.	45	39.40
	7	Loading and unloading of plant	5	110.				
		(15cmx22cm)						

		7			2220 (0
0	Carriage of plants (30x45cm)	No.	88	25.45	2239.60
9	Carriage of plants (15cm x 22cm)	No.	132	2.53	333.96
-	Carriage of plants (15cm 11221)	No.	88	16.22	1427.36
0	Planting of (30x45m) Planting of plants (15cm x 22cm)	No.	132	6.09	803.88
1	Planting of plants (15cm x 22cm)	No.	4000	6.09	24360.00
12	Irrigation four times by hired tractor	No.	1200	6.09	7308.00
13	Weeding & Hoeing Three				35,000
-	times(30x45m) Weeding & Hoeing Three times	No.	1800	4.05	7290
14	Weeding & Hoeling Three times				
	(15cm x 22cm)	LS			1000
15	Miscellaneous Expenditure				7292
16	Cost of wages of protection watcher				
	(one protection watcher for six				15108
	months for plantation area of 10 ha.)				67300.85
	Total				
	Added EPF @13%				018.4
	Added ESI@3.25%				5468.19
	Of wages component 50% of the				
	total				4711.06
	Added Contractor Profit@7% total				77480.10
	Net Total				
grd Y	ear Plantation	На.	0.5	1908.14	954.07
1	Cleaning of weed/bushes between	Ha.	0.5		
	plantation	No.	48	101.57	4875.36
2	Raising of Plants in nursery	NO.	40	10110	
	(30cmx45cm)	No.	72	13.38	963.36
3	Raising of Plants in nursery	NO.	12	13.00	
	(15cmx22cm)	M3	3.645	81.03	295.35
4	Re-opening of pits	IVIS	3.043	01.00	
	80x0.6mx0.6mx0.6m	M3	5.4675	81.03	443.03
5	Re-opening of pits	IVIS	3.4073	01.05	
	120x0.45mx0.45mx0.45m	No	44	3.06	134.64
6	Loading and unloading of plants	No.	44	5.00	11000100
	(30x45m)	NIa	66	0.45	29.70
7		No.	00	0.13	
	(15cmx22cm)	NI-	44	25.44	1119.36
8	Carriage of plants (30x45cm)	No.	66	2.53	166.98
9	Carriage of plants (15cm x 22cm)	No.	44	16.22	713.68
10	Planting of (30x45m)	No.		6.09	401.94
11	(15 am y 22 am)	No.	66	6.09	12180.00
12	Irrigation Two times	No.	2000	6.09	2436.00
13	Weeding & Hoeing (30x45m)	No.	400		2430.00
14	Weeding & Hoeing (15cm x 22cm)	No.	600	4.05	1000
15	Miscellaneous Expenditure	LS			3646
10	C 1 -time violation or				3040
10	(one protection watcher for six				
	months for plantation area of 10 ha.)				31789.4
	Total				31/89.4
	Added EPF @13%				

	Added ESI@3.25%					2582.	89
	Of wages component 50%, of the					2502.	
	Of wages component so st					2225.	26
	total Added Contractor Profit@7% total					36597	
	Net Total					30371	.00
						364	6
Yea	r Plantation					304	0
1	Cost of wages of protection watcher						
y 8	(one protection watcher for six					500	00
	months for plantation area of 10 ha.)	LS			0	500	
2	Cleaning, pruning, spacing and					25	20
	thinning	LS				25	
3	Miscellaneous Expenditure	100				111	46
	Total		-				
	Added EPF @13%						
	Added FSI@3.25%					905	5.61
	Of wages component 50% of the						
	total					78	0.22
	Added Contractor Profit@7% total				11	128	31.83
	Net Total						
	DI totion					3	646
5111 Y	Cost of wages of protection watcher	r					
1	(one protection watcher for six						
	months for plantation area of 10 ha	.)			0	5	0000
	Cleaning, pruning, spacing and	LS			0		
2	Cleaning, pruning, spacing					-	2500
	thinning	LS					1146
3	Miscellaneous Expenditure Total			Y		1	1140
	Added EPF @13%						05.61
	Added ESI@3.25%					,	005.61
	Of wages component 50% of the						
	total:	1					780.22
	Added Contractor Profit@7% total	11				1	2831.83
	Net Total						2500
6th	Year Plantation						3646
0	Cost of wages of protection wait	her					
	watcher IOI SIX						
	months for plantation area of 10	ha.)	C		0		5000
	2 Cleaning, pruning, spacing and	L	5				
	thinning						2500
	- Evmanditure						11146
	3 Miscellaneous Experienture Total						
	Added EPF @13%						905.61
	Added ESI@3.25%	e					703.01
	Of wages component 50% of the						790.22
	total	otal	C 1				780.22
	Added Contractor Profit@7% t	otai					12831.8
	Net Total			THE STATE OF			

	Contaction watcher					3646	
	Cost of wages of protection watcher						1
	(one protection watcher for six					5000	-
	months for plantation area of 10 ha.)	LS			0	5000	
2	Cleaning, pruning, spacing and	Lo				2500	-
	thinning					2500	
3	Miscellaneous Expenditure					11146	
	Total	Court News	2.5				
3	Added EPF @13%				i idani.		
	Added ESI@3.25%					905.61	
	Of wages component 50% of the						
	total					780.22	
	Added Contractor Profit@7% total					12831.8	13
	Net Total						
th Y	ear Plantation					3646	
1	Cost of wages of protection watcher						
	watcher for SIX				95		
	months for plantation area of 10 fla.)	LS			0	5000	
2	Cleaning, pruning, spacing and	LS					
	thinning					2500	
3	Miscellaneous Expenditure				The same of the sa	1114	6
	Total						
	Added EPF @13%						
	Added ESI@3.25%					905.0	51
	Of wages component 50% of the						
	total					780.	
	Added Contractor Profit@7% total	-			Down of the	1283	1.83
	Net Total						
Qth	Year Plantation					364	16
1	Cost of wages of protection waterier						
	(a protection watcher for SIX						
	months for plantation area of 10 fla.)	LS			0	50	00
2	- chocing and	Lo					
	thinning					25	00
3	- Funanditure				6 % T.L.	11	146
	Total						
	Added EPF @13%						
	Added FSI@3.25%	1				90	5.61
	Of wages component 50% of the						
	total				and the Principle	78	0.22
	Added Contractor Profit@7% total				and the Heat	128	31.83
	Net Total				r, se sies		AK
11	oth X/ Diantation				2.00	3	646
10	1 Cost of wages of protection watch	er			217000000		
	(and protection watcher for SIX						
	months for plantation area of 10 h	a.)			0	-	5000
	in a spacing and		LS		U		
	2 Cleaning, pruning, spacing and thinning			100			2500
	3 Miscellaneous Expenditure			The Real Property lies			

		,	11146
Tota	ıl	The state of the s	T 380 (4)
Added EPF @13%			
Added ESI@3.25%			905.61
Of wages componer	nt 50% of the		
total		a la Construir	780.22
Added Contractor F	Profit@7% total	A Children III	12831.83
Net T	otal	The state of the s	
	Abstract of Cost Norms		

	of Cost Norms Cost (in	Cost per plant
Year of plantation	Rs)	ls, 12 på Par Hast
Nor Plantation	192869.40	192.87
First Year Plantation	77480.10	77.48
Second Year Plantation	36597.63	36.60
Third Year Plantation	12831.83	12.83
Fourth Year Plantation	12831.83	12.83
Five Year Plantation	12831.83	12.83
Six Year Plantation	12831.83	12.83
Seven Year Plantation	12831.83	12.83
Eight Year Plantation	12831.83	12.83
Nine Year Plantation	12831.83	12.83
Ten Year Plantation		396.77
Total	396769.97	370.77

Area to be Diverted: 0.0019 ha. No. of Trees to be felled: 01 No. of Plants to be damaged: 00.

Area to be planted under normal CA: 0.10 (Double the area to be diverted) Plants to be Planted under normal CA: 100 nos. (@ 1000 plants per ha.) Additional C.A.: 0 ha. in lieu of plants to be damaged (Double the plants to be

damaged)= 0 Plants

Area to planted under Addl. CA: 0 (@ 1000 plants per ha.)

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

Total Area to be planted (CA+Addl.CA): 0.10 ha. (@ 1000 plants per ha.)

	DESCRIPTION	entaliell a. 3. c Darrichtski	RATE	TOTAL AMOUNT (Rs.)
0	Compensatory afforestation Charges	No. of Plants	21	
D	(1) 1st Year cost of afforestation	100	Rs. 192.87 Per Plant	19287
			Rs. 77.48 Per Plant	7748
	(2) 2 nd Year maintenance		Rs. 36.60 Per Plant	3660
	(3) 3 rd Year maintenance		Rs. 12.83 Per Plant	1283
	(4) 4th Year maintenance		Rs. 12.83 Per Plant	1283
	(5) 5 th Year maintenance		Rs. 12.83 Per Plant	1283
	(6) 6 th Year maintenance			1283
	(7) 7th Year maintenance		Rs. 12.83 Per Plant	1283
	· tananaa		Rs. 12.83 Per Plant	1283
	()		Rs. 12.83 Per Plant	
	(9) 9th Year maintenance (10) 10th Year maintenance		Rs. 12.83 Per Plant	1283

	Total C.A. Charges	- เขาการสุดเรียก (การสุดเรียก) (การสุดเรียก) (การสุดเรียก) (การสุดเรียก) (การสุดเรียก) (การสุดเรียก) (การสุดเร	39676/.
	Additional Compensatory Afforestation Charge	es	
	C CCtation	Rs. 192.87 Per Plant	
		Rs. 77.48 Per Plant	4. 36
		Rs. 36.60 Per Plant	
	· C	Rs. 12.83 Per Plant	
		Rs. 12.83 Per Plant	
		Rs. 12.83 Per Plant	
	(6) 6th Year maintenance	Rs. 12.83 Per Plant	
	(7) 7th Year maintenance	To ac ac B. Plant	
	(8) 8th Year maintenance	Rs. 12.83 Per Plant	
	(9) 9th Year maintenance	Rs. 12.83 Per Plant	
	(10) 10 th Year maintenance	Rs. 12.83 Per Plant	OF BUILDINGS TO
	Sub Total (B) Total Addl. C.A. Charges	(C)	
	JANEA List Formeron Living Cond (Mili-787)		0
	Penal C.A.		39676/.
	Total	a contract to	
)	Catchment Area Treatment	20% of CA amount	7936/.
	Fencing/Supervisory / Overhead / Miscellaneous	20% of CA amount	
E	Charges Safety Zone	transport to a back	0
F	Additional Charges		0
			0
		0	
	Sub Total (F)	Rs.1400 /- per m ³	798/.
G	Felling charges 0.57 m ³		48410/.
	GRAND TOTAL (A+B+C+D+E+F+G+H+I) to b	e deposited in CAMPA Fund	40410/

Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:a) General Details:b) Spacement:Plantation will be done with 3 strand barbed wire. $4 \times 2\frac{1}{2} \text{ meter}$

- b) Spacement:c) Species:- Dalburgia Sisoo(Sisham), Syzygium cumini(Jamun), Maliar Arcide(Bakin), Azadirachta indica(Neem),
- d) Plantation Method:- Plantation
 - e) Soil and Moisture Conservation Works
 - f) Protection (Fencing, Watch man, People's Participation etc.):-
 - g) Proposed Monitoring Mechanism:- (M&E),
 - h) Any Other information:- Nil.

Date:

Place Bhiwani

Dy. Conservatory Bhiwani. BHIWANI

	Total C.A. Charges	and the state of the state of the	39676/.
	Additional Compensatory Afforestation Charge	ges	ec ver Eletais.
	C CC -t-tion	Rs. 192.87 Per Plant	
		Rs. 77.48 Per Plant	B 188 1 1 1 1
		Rs. 36.60 Per Plant	
		Rs. 12.83 Per Plant	
		Rs. 12.83 Per Plant	
	(5) 5th Year maintenance	Rs. 12.83 Per Plant	
	(6) 6th Year maintenance	Rs. 12.83 Per Plant	
	(7) 7 th Year maintenance		
	(8) 8th Year maintenance	Rs. 12.83 Per Plant	
	(9) 9th Year maintenance	Rs. 12.83 Per Plant	
	(10) 10 th Year maintenance	Rs. 12.83 Per Plant	m puritisados fo
	Sub Total (B) Total Addl. C.A. Charges	The second control of	
	least on Sheema Lyman rand (1981-709)	11 1820 1 27 192 193 19 19 19 19	0
,	Penal C.A.		39676/.
	Total		
)	Catchment Area Treatment		7936/.
	Fencing/Supervisory / Overhead / Miscellaneous	20% of CA amount	19301.
	Charges	The second secon	0
E	Safety Zone		
F	Additional Charges		0
		The second section of the second	0
		0	
	Sub Total (F)		798/.
G	Felling charges 0.57 m ³	Rs.1400 /- per m ³	1901.
0	GRAND TOTAL (A+B+C+D+E+F+G+H+I) to b	TOTAL POLICE	48410/.

Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details:
 Plantation will be done with 3 strand barbed wire.

 b) Spacement:
 4 × 2½ meter c) Species:- Dalburgia Sisoo(Sisham), Syzygium cumini(Jamun), Maliar Arcide(Bakin), Azadirachta indica(Neem),
- d) Plantation Method:- Plantation
- e) Soil and Moisture Conservation Works
- f) Protection (Fencing, Watch man, People's Participation etc.):-
- g) Proposed Monitoring Mechanism:- (M&E),
- h) Any Other information:- Nil.

Date:

Place Bhiwani

Dy. Conservatory Bhiwani. BHIWANI