Full Title of the Project: Diversion of 0.5845 Hec. of forest land for construction of 220

Kv D/c Mund-IOCL Transmission Line in District Karnal,

Haryana.

File No.:

FP/HR/TRANS/153329/2022

CHECK LIST SERIAL NUMBER: 18 "SCHEME FOR COMPENSATORY AFFORESTATION"

Name of the Forest/Reach to be diverted: Diversion of 0.5845 Hec. of forest land for construction of 220 Kv D/c Mund-IOCL Transmission Line in District Karnal, Haryana.

Forest Area = 0.5845 Hect.

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

C.A. Site name: Drain No.2, Munak Head to Dadlana Bridge

Area to be Afforested: - 3.5 Hect.(3500 Plants)

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No):No, the site selected for compensatory Afforestation is not a land bank. It is a
 Degraded Forest Land.
- b) If the CA site is other than the land bank, reasons be given:- There is no land available in the land bank in Karnal. Plantation will be carried out in protected forest area.
- c) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:- C.A. will be carried out in protected forest Area.
 - i) Soil type: Sandy Loam
 - ii) Topography a. Hilly/Undulating/Plain: Plain
 - b. Slope:-Steep/Medium/Gentle: Gentle
 - iii) Whether the area is bearing any root stock of vegetation:- No

Plantation Model:-

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

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

The plantation cost is calculated for TP & NP norms as per PCCF, Haryana, Panchkula letter no. FCA/396 dated. 15.05.2023 wages rate @ of Rs.405.11/- per day(Plain Areas).

Year	Rate per Plant		
1 st Year cost of afforestation	Rs. 192.87/- Per Plant		
2 nd Year maintenance	Rs. 77.48/- Per Plant		
3 rd Year maintenance	Rs. 36.60/- Per Plant		
4 th Year maintenance	Rs. 12.83/- Per Plant		
5 th Year maintenance	Rs. 12.83/- Per Plant		
6 th Year maintenance	Rs. 12.83/- Per Plant		
7 th Year maintenance	Rs. 12.83/- Per Plant		
8 th Year maintenance	Rs. 12.83/- Per Plant		
9 th Year maintenance	Rs. 12.83/- Per Plant		
10 th Year maintenance	Rs. 12.83/- Per Plant		
Total	396.77/-		
0.5045 ha			

Area to be Diverted :-

0.5845 ha.

No. of trees to be felled :-

250

Plants to be damaged:-

500

Plants to be planted (Ten time of the trees to be felled): 250x10=2500

Area to be Planted = Double area@ 1000 plant per ha.= NA

Minimum Plants to be Planted: - (CA)Plants = 2500(CA)+1000(ACA)Plants Total 3500

plants to be damaged (Double the plants to be damaged) :- NIL

Sr.	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
	Compensatory Afforestation No. of Charges Plants		10) 081 01 01 F F	181537
	(1) 1st Year cost of afforestation	2500	Rs.192.87/- Per Plant	482175
	(2) 2 nd Year maintenance	Plants	Rs. 77.48/- Per Plant	193700
	(3) 3 rd Year maintenance		Rs. 36.60/- Per Plant	91500
	(4) 4 th Year maintenance		Rs. 12.83/- Per Plant	32075
	(5) 5 th Year maintenance		Rs. 12.83/- Per Plant	32075
	(6) 6 th Year maintenance		Rs. 12.83/- Per Plant	32075
	(7) 7 th Year maintenance		Rs. 12.83/- Per Plant	32075
	(1)		Rs. 12.83/- Per Plant	32075
	***************************************		Rs. 12.83/- Per Plant	3207
	(9) 9 th Year maintenance (10) 10 th Year maintenance		Rs. 12.83/- Per Plant	3207

CA Charges tional Compensatory Affore 1st Year cost of afforestation 2nd Year maintenance 3rd Year maintenance 4th Year maintenance 5th Year maintenance 6th Year maintenance	station C	harges Rs.192.87/- Per Plant Rs. 77.48/- Per Plant	1190280 192870		
2 nd Year maintenance 3 rd Year maintenance 4 th Year maintenance 5 th Year maintenance		Rs.192.87/- Per Plant	192870		
2 nd Year maintenance 3 rd Year maintenance 4 th Year maintenance 5 th Year maintenance		Rs.192.87/- Per Plant	192870		
3 rd Year maintenance 4 th Year maintenance 5 th Year maintenance		Rs. 77.48/- Per Plant	1020.1		
4 th Year maintenance 5 th Year maintenance		THE CONTRACTOR OF COMMENT AND COMMENT	77480		
5 th Year maintenance	┥	Rs. 36.60/- Per Plant	36600		
		Rs. 12.83/- Per Plant	12830		
6th Voor maintenance		Rs. 12.83/- Per Plant	12830		
o real maintenance		Rs. 12.83/- Per Plant	12830		
7 th Year maintenance		Rs. 12.83/- Per Plant	12830		
8 th Year maintenance		Rs. 12.83/- Per Plant	12830		
9 th Year maintenance		Rs. 12.83/- Per Plant	12830		
)) 10 th Year maintenance		Rs. 12.83/- Per Plant	12830		
Fencing/Miscellaneous/Overhead Charges		(20% of ACA Amount)	79352		
ıb Total (B) Total Addl. C.A. C		476112			
enal C.A.		-	NA		
Catchment Area Treatment					
Soil and Moisture Conservation charges		30% of the Total CA	(
ub Total (D)		(
afety Zone			NA		
Additional Charges					
Tree Guard @2000x100		* .	(
			1 2		
Sub Total (F)					
Plantation damage charges = Not app Rs. 236/- per plant			166639		
	ee Guard @2000x100 ub Total (F) lantation damage charges = N	ee Guard @2000x100 ub Total (F) lantation damage charges = Not app	ee Guard @2000x100 ub Total (F)		

2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

a) General Detail :- Compensatory Afforestation will carried out along With,

Drain No.2, Munak Head to Dadlana Bridge

b) Spacing:- 4x4mtr a Part

c) Species:- Neem &Shisham, Jamun/Jamoa etc.

d) Plantation method :- Tall Plantation

e) Soil and Moisture Conservation Works :- -Nil-

- f) Protection (Fencing, Watch man, People's, Participation etc) :- Fencing
- g) Proposed Monitoring Mechanism: Checking of Plantation work will be done by RFO,DCF,CF&DCF(M&E)

h) Any other information :- Nil

Place:- Karnal

Divisional Forest Division

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)

66 44 66 44 66 200 500 40	101.57 13.38 283.58 4 172.17 5 141.77 0 3.06 0 0.49 0 25.49 0 2.59 0 16.20 0 0.00	48753.60 9633.60 850.74 14875.49 7751.27 1346.40 297.00 11198.00 3 1669.80 2 7136.80 4019.40 8 1600.00 9 30450.00
480 720 86. 54.67 44 66 44 66 200 500	101.57 13.38 283.58 4 172.17 5 141.77 6 3.06 0 0.4! 0 25.4! 0 2.53 0 16.2: 0 6.0 0 0.0 0 8.0	48753.60 9633.60 850.74 14875.49 7751.27 1346.40 297.00 11198.00 3 1669.80 2 7136.80 9 4019.40 8 1600.00 9 30450.00
720 86. 54.67 44 66 44 66 200 500	13.38 283.58 4 172.17 5 141.77 0 3.06 0 0.49 0 25.49 0 2.59 0 6.00 0 0.00 0 8.00	9633.60 850.74 14875.49 77551.27 1346.40 297.00 11198.00 3 1669.80 2 7136.80 9 4019.40 8 1600.00 9 30450.00
86. 54.67 44 66 44 66 200 500 40	283.58 4 172.17 5 141.77 0 3.06 0 0.4! 0 25.4! 0 2.5: 0 16.2: 0 6.0 0 0.8.0	8 850.74 14875.49 7 7751.27 1346.40 297.00 11198.00 3 1669.80 2 7136.80 9 4019.40 8 1600.00 9 30450.00
54.67 44 66 44 66 200 500	14 172.17 141.77 10 3.06 10 0.4! 10 25.4! 10 6.0 16.2 10 6.0 10 0.0 10 0.0 1	14875.49 77751.27 1346.40 297.00 11198.00 3 1669.80 2 7136.80 9 4019.40 8 1600.00 9 30450.00
54.67 44 66 44 66 200 500	141.77 15 141.77 10 3.00 10 0.4! 10 25.4! 10 2.5: 10 6.00 10 0.00 10 0.00 1	7 7751.27 1346.40 297.00 11198.00 1669.80 7136.80 4019.40 8 1600.00 9 30450.00
44 66 44 66 200 500	0 3.06 0 0.4! 0 25.4! 0 2.5: 0 16.2: 0 6.0: 0 0 6.0: 0 0 8.0:	1346.40 297.00 11198.00 3 1669.80 2 7136.80 9 4019.40 8 1600.00 9 30450.00
66 44 66 44 66 200 500	0 0.4! 0 25.4! 0 2.5: 0 16.2: 0 6.0: 0 0 0.00	297.00 11198.00 3 1669.80 2 7136.80 9 4019.40 8 1600.00 9 30450.00
44 66 44 66 200 500	0 25.4! 0 2.5: 0 16.2: 0 6.0: 0 0 0.00 0 0 8.0	11198.00 1669.80 7136.80 9 4019.40 8 1600.00 9 30450.00
44 66 44 66 200 500	0 25.4! 0 2.5: 0 16.2: 0 6.0: 0 0 0.00 0 0 8.0	5 11198.00 3 1669.80 2 7136.80 9 4019.40 8 1600.00 9 30450.00
66 44 66 200 500	0 2.55 0 16.25 0 6.00 0 0 0.00 0 0 8.00	3 1669.80 2 7136.80 9 4019.40 8 1600.00 9 30450.00
44 66 200 500 40	0 16.2 0 6.0 0 0 0. 0 0 6.0 0 8.0	7136.80 9 4019.40 8 1600.00 9 30450.00
200 500 40	6.00 6.00 0.00 0.00 6.00 0.00 8.00	9 4019.40 8 1600.00 9 30450.00
200 500 40	00 0. 00 6.0 00 8.0	8 1600.00 9 30450.00
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80	6.0	9 4872.00
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18		729
18		67300.8
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	Added EPF@13%				
	Added ESI @3.25%				5468.19
	of wages component 50% of the total				4711.06
	Added Contractor Profit@7 % total				77480.10
	Net Total				
year Pla	ntation	На.	0.5	1908.14	954.07
1	Cleaning of weed/bushes between plantation	No.	48	101.57	4875.36
2	Raising of plants in Nursery (30cmx45cm)	No.	72	13.38	963.36
	Raising of plants in Nursery (15cmx22cm)	МЗ	3.645	81.03	295.35
3	Re-opening of pits 40x.60 mx.60mx.60m	M3	5.4675	81.03	443.03
	Re-opening of pits 60x.45 mx.45mx.45m	No.	44	3.06	134.64
4	Loading and unloading of plants (30X45cm)	No.	66	0.45	29.70 1119.36
	Loading and unloading of plants (15cmX22cm)	No.	44	25.44	166.98
5	Carriage of plants (30X45cm) Carriage of plants (15cmX22cm)	No.	66	2.53	713.68
	Planting of plants (30X45cm)	No.	44	16.22	401.94
6	Planting of plants (15cmX22cm)	No.	66	6.09	12180.00
-	Irrigation two times	No.	2000	6.09	2436.00
7 8	Weeding and Hoeing (30X45cm)	No.	400	6.09	2430.00
0	Weeding and Hoeing (15cmX22cm)	No.	600	4.05	1000
9	Asia Hannous Evpanditure	LS			1000
3	Cost of Wages of protection watcher (one protection				
	watcher for three months for plantation area of 10	LS			364
10	ha.)				
					31789.4
	Total		4		32.700.
	Added EPF@13%				
	Added ESI @3.25%				2582.8
	of wages component 50% of the total				2225.2
	Added Contractor Profit@7 % total				36597.6
	Net Total				30337.0
4th Year	Plantation	г	T		
	Cost of Wages of protection watcher (one protection				
	watcher for three months for plantation area of 10				364
	1 ha.) 2 Cleaning , pruning, Spacing and thinning	LS		0	500
	3 Misscellaneous Expenditure	LS			250
	Total				111
	Added EPF@13%				
	Added ESI @3.25%				
	Added Est @ 5.25%				
	of wages component 50% of the total				905.
	of wages component 50% of the total				780.
	Added Contractor Profit@7 % total				
5th Year	Added Contractor Profit@7 % total Net Total				780.
5th Year	Added Contractor Profit@7 % total Net Total Plantation [Cost of Wages of protection watcher (one protection				780.
5th Year	Added Contractor Profit@7 % total Net Total				780. 12831.
5th Year	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.)			0	780. 12831. 36
5th Year	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning	LS		0	780. 12831. 36
5th Year	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure			0	780. 12831. 36 50
5th Year	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total	LS		0	780. 12831. 36
5th Year	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13%	LS		0	780. 12831. 36 50
5th Year	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25%	LS		0	780. 12831. 36 50
5th Year	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total	LS		0	780. 12831. 36 50 25
5th Year	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total	LS		0	780. 12831. 36 50 25 111
	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total	LS		0	780. 12831. 36 50 25 111 905 780
	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Plantation	LS		0	780. 12831. 36 50 25 111 905 780
	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total	LS		0	780. 12831. 36 50 25 111 905 780 12831
	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection	LS		0	780. 12831. 36 50 25 111 905 780 12831
	Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10	LS		0	780. 12831. 36 50 25 111 905 780 12831
	Added Contractor Profit@7 % total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.)	LS			780. 12831. 36 50 25 111 905 780 12831
	Added Contractor Profit@7 % total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning	LS			780. 12831. 36 50 25 111 905 780 12831
	Added Contractor Profit@7 % total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure	LS			780. 12831. 36 50 25 111 905 780 12831
	Added Contractor Profit@7 % total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% Added ESI @3.25%	LS			780. 12831. 36 50 25 111 905 780 12831
	Added Contractor Profit@7 % total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13%	LS			780. 12831. 36 50 25 111 905 780 12831

X

	Net Total			12831.83
h Year Plant	est of Wages of protection waterier (one protection			
W	atcher for three months for plantation area of 10			3646
1 h	a.)	LS	0	5000
2 C	leaning , pruning, Spacing and thinning	LS		2500
3 N	1isscellaneous Expenditure			11146
	Total			
A	dded EPF@13%			
	dded ESI @3.25%			905.63
0	f wages component 50% of the total			780.22
Δ	dded Contractor Profit@7 % total			12831.83
	Net Total			
th Year Plan	tation Cost of Wages of protection watcher (one protection			
	vatcher for three months for plantation area of 10			264
	na.)			364
	Cleaning , pruning and Spacing	LS	0	500
	Misscellaneous Expenditure			250
3 1	Total			1114
	Added EPF@13%			
	Added ESI @3.25%			
	of wages component 50% of the total			905.6
	Added Contractor Profit@7 % total			780.2
	Net Total			12831.8
oth Year Plai	ntation			
oth real rial	Cost of Wages of protection watcher (one protection			
	watcher for three months for plantation area of 10			36-
	ha.)		0	500
2	Cleaning , pruning, Spacing and thinning	LS	U	250
3	Misscellaneous Expenditure			111
	Total			777
	Added EPF@13%			
	Added ESI @3.25%			905.
	of wages component 50% of the total			780.
	Added Contractor Profit@7 % total			12831.
	Net Total			720721
10th Year Pl	antation (and protection			
	Cost of Wages of protection watcher (one protection			
	watcher for three months for plantation area of 10			36
	ha.)	LS	0	50
	Cleaning , pruning, Spacing and thinning			25
3	Misscellaneous Expenditure Total			111
	Added EPF@13%			
	Added ESI @3.25%			905
	of wages component 50% of the total			780
	Added Contractor Profit@7 % total			12831
	Net Total	TAIOPAS		
	ABSTRACT OF COS	Cost (in Rs.)	Cost per plant	
	YEAR OF PLANTATION FIRST YEAR PLANTATION	192869.40	192.87	
	SECOND YEAR PLANTATION	77480.10	77,48	1
	THIRD YEAR PLANTATION	36597.63	36.60	
		12831.83	12.83	
	FOURTH YEAR PLANTATION	12831.83	12.83	
	FIVE YEAR PLANTATION	12831.83	12.83	
	SIX YEAR PLANTATION		12.83	
	SEVEN YEAR PLANTATION	12831.83	12.83	
	EIGHT YEAR PLANTATION	12831.83 12831.83	12.83	
1	NINE YEAR PLANTATION	12051.83	12.03	1
	TEN YEAR PLANTATION	12831.83	12.83	

