

Full Title of the Project: Diversion of 4.148 hac. forest land in favour of Executive Engineer, Provincial Division, PWD B&R, Hansi for Improvement of Barwala Daulatpur Road by pdg wdg & stg in km. 2.00 to 15.60 & 4-lanning in city portion of Barwala in km. 0.00 to 2.00 & km. 15.60 to 17.60 in Uklana town, under forest Division & Distt. Hisar Haryana.

FP/HR/Road/122128/2021

Date of Proposal: 08/02/2021

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

Name of the Forest/Reach to be diverted		Full Title of the Project: Diversion of 4.148 hac. forest land in favour of Executive Engineer, Provincial Division, PWD B&R, Hansi for Improvement of Barwala Daulatpur Road by pdg wdg & stg in km. 2.00 to 15.60 & 4-lanning in city portion of Barwala in km. 0.00 to 2.00 & km. 15.60 to 17.60 in Uklana town, under forest Division & Distt. Hisar Haryana.			
Forest Area (in Ha)		4.148			
Details of de-graded forest land/non forest land where CA is to be carried out :		CA site - Rewari Bhatinda R/way Line 175-182 L/Side A. Hilly/Undulating/Plain.			
Division / District:	Hisar	Range	Hisar	Village.	Barwala
2).	Description of Area :				
i	Whether the site selected for Compensatory Afforestation is a land bank or not				Yes
ii	If the C.A site is other than the land bank, reasons be given				N.A
iii	In case of non-forest area identified for CA, then what is the distance of CA site from adjoining forest boundary				N.A
iv	Soil Type		Sandy Loam		
v	Topography :		a. Hilly/Undulating/Plain.		Undulating
			b. Slope:-Steep/Medium/Gentle.		
vi	Whether the area is bearing any root stock of vegetation				No

3 Plantation of Model:-

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

Detail of year wise breakup of requirement of funds is as under :-
 The plantation cost is calculated for tall plants norms at 4 mtr. Plant to Plant spacing and it is approved by the PCCF, Haryana's letter no. CAMPA/18 dated 01-06-2020 at the wage rate of Rs. 363.77/- per day as under :-

Year	Plant per Year
1 st Year cost of afforestation	419.00
2 nd Year maintenance	92
3 rd Year maintenance	55
4 th Year maintenance	21
5 th Year maintenance	21
6 th Year maintenance	21
7 th Year maintenance	21
8 th Year maintenance	21
9 th Year maintenance	21
10 th Year maintenance	21
Total	713.00

Area to be Diverted =	4.148
No. of trees to be felled-	337
Plants to be damaged=	500
Plants to be planted =	8296
Area to be Planted (@ 1000 plant per ha.) =	8.30
Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= 1000	

S.No	DESCRIPTION	RATE Rs Per Plant	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants	
	(1) 1 st Year cost of afforestation	8296	419.00
	(2) 2 nd Year maintenance		92
	(3) 3 rd Year maintenance		55
	(4) 4 th Year maintenance		21
	(5) 5 th Year maintenance		21
	(6) 6 th Year maintenance		21
	(7) 7 th Year maintenance		21
	(8) 8 th Year maintenance		21
	(9) 9 th Year maintenance		21
	(10) 10 th Year maintenance		21
	(11) Barbed Wire Fencing charges= RKM	33.18	Rs. 200000/- Per RKM
	Total Charges		
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges
Total (A) C.A. Charges			
B	Additional Compensatory Afforestation Charges		
	(1) 1 st Year cost of afforestation	1000	419.00
	(2) 2 nd Year maintenance		92
	(3) 3 rd Year maintenance		55
	(4) 4 th Year maintenance		21
	(5) 5 th Year maintenance		21
	(6) 6 th Year maintenance		21
	(7) 7 th Year maintenance		21
	(8) 8 th Year maintenance		21
	(9) 9 th Year maintenance		21
	(10) 10 th Year maintenance		21
	(11) Barbed Wire Fencing charges= RKM	4.00	Rs. 200000/- Per RKM
Total (B) Addl. C.A. Charges			
C	Catchment Area Treatment (if required)		
	Soil and Moisture Conservation charges		30% of the Total CA
D	Safety Zone (if required)		
	Additional Charges (if required)	Qty	Rate
	Gypsum Application +Green manuring to reclaim soil+Casualty	12.30 ha treatment	60000(AS per guideline of Min of
	Protection Wacher next 10 year	2	347.08/- per mandays x 26 day + 13% EPF and 3.25 % ESI = 10500 per person
	Total		

	Honda siel WV 30 D Diesel Pump	1	45000	45000
Other Macheneries				
	Forester Quarter of better management and protection of the area	1 No.	1200000	1200000
	JCB for removal of Muskats	1	2373500	2373500
	Solar Pump Submersible Tubewell for 10 Ha. (5HP)	3	270000 per No.	810000
	Plantation protection sign board and Display Forest Department Management and Awareness		82000	82000
	Forest Department Management and Awareness compaign		92000	92000
			Total	4602500
			Total	7,858,219
F	Net Present Value of Forest Land to be diverted		Rs. 887000/- ha.	3679276
G	Felling charges = Vol m ³	278.75	Rs. 1200/- Per m ³	334500
			Total	31788038
H	Exigency Charges 3% of the total cost of Total CA Scheme			953641
			G.Total	32741679
3	Technical Details :-			
	Technical Details of Compensatory Afforestation Scheme are as follows :-			
a	General Details			Plantation will be done with 3 standard Barbed fencing in RF/PF.
b	Spacement.			4mtr Plant to Plant
c	Species.			Neem, Bakain, Shisham, Siris, Jamun, Papri, Arjun, Lassora, Tut, Imli, Awla etc.
d	Plantation Method.			Tall Plantation
e	Soil and Moisture Conservation Works.			
f	Protection (Fencing, watchman, Peoples Participation etc).			Fencing
g	Proposed Monitoring Mechanisim.			M&E
h	Any Other Information			No

Place: Hisar
Dated : 30/4/2021

Divisional Forest Officer
Hisar.
Hisar Forest Division
HISAR

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