

Full Title of the Project: Diversion of 1.6147 Hec forest land for Construction of laying R.C.C. Box Type Drain along on Hisar-Bagla Road, upto new, NH- 52 By pass under forest Division & District Hisar, Haryana.

FP/HR/Other/50688/2020

Date of Proposal: 08/10/2020

CHECK LIST SERIAL NUMBER:- 18

"SCHEME FOR COMPENSATORY AFFORESTATION"

Name of the Forest/Reach to be diverted		Full Title of the Project: Diversion of 1.6147 Hec forest land for Construction of laying R.C.C. Box Type Drain along on Hisar-Bagla Road, upto new, NH- 52 By pass under forest Division & District Hisar, Haryana.			
Forest Area (in Ha)		1.6147			
Details of de-graded forest land/non forest land where CA is to be carried out :		A. Hilly/Undulating/Plain.			
Division / District:	Hisar	Range	Adampur	Village.	Bagla
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 Plant to Plant spacing and it is approved by the PCCF, Haryana's letter no. CAMPA/118 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 =	1.6147
No. of trees to be felled-	515
Plants to be damaged=	1570
Plants to be planted =	3229
Area to be Planted (@ 1000 plant per ha.) =	3.23
Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)=3140	

S.No	DESCRIPTION		RATE Rs Per Plant	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1 st Year cost of afforestation	3229	419.00	1352951
	(2) 2 nd Year maintenance		92	297068
	(3) 3 rd Year maintenance		55	177595
	(4) 4 th Year maintenance		21	67809
	(5) 5 th Year maintenance		21	67809
	(6) 6 th Year maintenance		21	67809
	(7) 7 th Year maintenance		21	67809
	(8) 8 th Year maintenance		21	67809
	(9) 9 th Year maintenance		21	67809
	(10) 10 th Year maintenance		21	67809
	(11) Barbed wire Fencing charges= RKM	12.92	Rs. 200000/- Per RKM	2583200
	Total Charges			
Supervisory / Overhead / Miscellaneous Charges			10% on the CA charges	488548
Total (A) C.A. Charges				5374025
B	Additional Compensatory Afforestation Charges			
	(1) 1 st Year cost of afforestation	3140	419.00	1315660.00
	(2) 2 nd Year maintenance		92	288880.00
	(3) 3 rd Year maintenance		55	172700.00
	(4) 4 th Year maintenance		21	65940.00
	(5) 5 th Year maintenance		21	65940.00
	(6) 6 th Year maintenance		21	65940.00
	(7) 7 th Year maintenance		21	65940.00
	(8) 8 th Year maintenance		21	65940.00
	(9) 9 th Year maintenance		21	65940.00
	(10) 10 th Year maintenance		21	65940.00
(11) Barbed wire Fencing charges= RKM	12.56	Rs. 200000/- Per RKM	2512000	
Total (B) Adtl. C.A. Charges				4750820
C	Catchment Area Treatment (if required)			
	Soil and Moisture Conservation charges		30% of the Total CA	3037453
D	Safety Zone (if required)			0
E	Additional Charges (if required)			
		Qty	Rate	
Saline soil Treatment(soil have high Electrical conductivity and Sodium Absorption Ratio so proper treatment is require)				
Gypsum Application +Green manuring to reclaim soil+Casualty replacement+construction of sub surface drainage as per need		6.36 ha treatment	60000(AS per guideline of Min of Agri(GOI)	381,600
Soil Salinity treatment compost and farm yard manure/application Care Taker person for 4 year		2 Person	363.77/- per mandays x 26 day + 13% EPF and 3.25 % ESI = Orsay 11000 per person	1,056,000
Total				1437600

Irrigation Scheduling and planning- As site given by user agency have no source of water, so supply of water from nearby canal is must. For this purpose pipeline establishment is must after that construction of storage tank at proposed C.A site is require. Then irrigatin will be given by both surface and pressurised irrigation method)

Supply, laying and commissioning in position PVC Pipe conforming for the respective working presure at working site. A. 160 mm, 110mm, 75mm pipe work @ 6Kg.		2067648 1112100 519552	3699300
Earth work excavation and refilling 300X450 mm		493350	493350
Drip Irrigation System setup and Accessories Suppling fixation and commisioning of flexible, kink resist 16mm inline tubing with non presure compensating, 2" Lagre Capacity Y Filter for submain fileteration, Battery of Sand Filter		1814400 86400 92000	1992800
PVC Ball Valve of size 75mm, 110mm with presure rating PN 10, Double acting air and Vaccum releaser, 10 Round Valve Box with greenlid, ISI Butterfly Valve		45600 13000 22000 36400 128000	245000
Setup of pumping unit supply fixing and commisioning of monoblock and sumercible pumpset heavy duty of Pump 22 LPS, Pressure Head Range 40-60 Mtr., of having discharge and head of design flow		350000 64000 12000 45000 13500	484500
Dug Well of 4 mtr. In the pond for the suction unit for pump @ 25 LPS		120000	120000
Honda siel WV 30 D Diesal Pump	1	45000	45000
Solar Pump Submersible Tubewell for 10 Ha. (5HP)	1	270000 per No.	270000
Other Macheneries			
Protection Wacher next 10 year	2	347.08/- per mandays x 26 day + 13% EPF and 3.25 % ESI = 10500 per person	2520000
Hydra for shifting of tree's during strom		LS 1500000	1500000
Pole pruner	2	40000	80000
Augar for earth management	1	80000	80000
Chain Saw	2	40000	80000
Plantation protection sign board and Display Forest Department Management	1	132000	132000
Forest Department Management and Awareness compaignn		192000	192000
One Petroling vehicle for protection (MUV/SUV/4X4)Mahindra Camper		Cost @ 8 Lakh	800000
Purchase Trolley for forest protection		2 Lakh	200000
Rotavator for Earh wo;rk	1	approx	65000
Lessor level leveling	1	approx	355000
Total			13353950
G.Total			14791550
Net Present Value of Forest Land to be diverted		Rs. 887000/- ha.	1432239

	Felling charges = Vol m ³	85.2	Rs. 1200/- Per m ³	102240
			Grand Total	29488327
G	Exigency Charges 3% of the total cost of Total CA Scheme			884650
			Total	30372977
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.	Plant to Plant		
c	Species.	Nem, Bakain, Shisham, Siris, Jamun, Papri, Arjun, Lassora, Tut, Imli, Awla etc.		
d	Plantation Method.	Tall Plantation		
e	Soil and Moisture Conservation Works.	NIL		
f	Protection (Fencing, watchman,	Fencing		
g	Proposed Monitoring Mechanisim.	M&E		
h	Any Other Information	No		

Place: Hisar
Dated : 4/7/2021

Divisional Forest Officer
Hisar
Hisar. HISAR

13/4
12-4-2021