Detail of funds to be Deposited for Compensatory Afforestation, Addl. CA and associated components

Diversion of 39.57 ha. of forest land for Remodeling of Augmentation Canal from RD 0 Km to 75.250 K.M (in Reach RD 58.700 Km to 75.250 Km) under Forest Division & Distt. Karnal, (Haryana).

Sr. No.	Division	Name of Site	Total Area will be transferred to Forest Deptt. in Ha.	Area available for plantation in Ha.	No. of Plants to be planted for CA	No. of Plants for Add. CA	CA Amount	Additional CA Amount	Soil and Moisture Conservation Charges	NPV	Felling	Others	Total
1	Charkhi Dadri	Dhadhi Bana	0.9	0.9	900	0	935996	0	280799	0	0	0	1216795
2	Rohtak	Gaushala Land Vill. Khidwali	2.85	2.85	2850	0	2243100	0	672930	0	0	0	2916030
3	Bhiwani	Vill. Kharak Kalan	1.6	1.4	1400	0	1993264	0	597979	0	0	1275000	3866243
4	Mahendergarh	Abandoned land of Vill. Kheri	8.6	7	7000	0	6070394	0	1821118	0	0	5738468	13629980
5	Hisar	Gairmumkin Canal Vill. Saharwa(3.4 ha.),Abandoned Land Village Daroli (4.5 ha.)	7.9	7.884	7884	0	9055921	0	2716776	0	0	6952546	18725243
6	Kaithal	Kharak Minor From RD 12000 to 14000 (Kalayat), Kailram 30 ft. long strip (Rasta), Naina dones abandoned channel	7.61	6.70	6700	0	8556680	0	2511168	0	0	8217718	19285566
7	Jhajjar	Rest House Abandoned at Vill. Dhandhlan, Kiln Abandoned at Vill. Dhandhlan, Abandoned Ladain Rest house Vill Homoyupur	6.64	6.51	6511	0	5564951	0	1517714	0	0	14800000	21882665
8	Karnal	NBK Link RD 87500 R/Side, Old Kachhwa Minor,	6.93	3.66	3660	20000	9108002	31540000	1904701	35098590	5680192	3982890	87314375
Total			**43.03**	**36.905**	**36905**	**20000**	**43528308**	**31540000**	**12023185**	**35098590**	**5680192**	**40966622**	**168836897**

Divisional Forest Officer
Karnal Forest Division,
Karnal KARNAL

Full Title of the Project : Diversion of 39.57 Ha' of Forest land for project of Remodeling of Augmentation canal from RD 0 km to 75.250 km (in Reach RD 58.700 km to 75.250 km) under forest Division and Distt. Karnal (Haryana).

File No. : FP/HR/Forest/41469/2020

CHECK LIST SERIAL NUMBER:- 18

"SCHEME FOR C.A." (Modal-1)

Name of the Forest/Reach to be diverted Forest land for project of Remodeling of Augmentation canal from RD 0 km to 75.250 km (in Reach RD 58.700 km to 75.250 km) under forest Division and Distt. Karnal (Haryana).

Forest Area = 3.24ha'

Detail of degraded forest land/non-forest land where C.A. is to be carried out.
Division: Charkhi Dadri, District : Charkhi Dadri, Range : Charkhi Dadri, C.A. Site Name Dadhi Bana village to be afforested:-

v) Whether the site selected for Compensatory Afforestation is a land bank or Not:- **The site selected for compensatory afforestation is not a land bank.**

vi) If the CA site is other than the land bank, reasons are given: - There is land bank of irrigation to be given to Forest Div. Charkhi Dadri. **Plantation will be done on the following land:**

1. **Dadhi Bana – Land of Irrigation Department**

In case of non-forest area identified for CA. then what is the distance of CA site from the adjoining forest boundary:- ----- meter from ------ road to adjoining forest Boundary.

vii) Soil type **Sandy Loam**

iv) Topography a. **Plain:**

b. Slope: **Gentle**

Plantation Model :-

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

3. Schedule of Plantation Programme :-

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

The plantation cost is calculated for Tall plantation norms at 4m x $2^{1/2m}$ spacing and at the wage rate of Rs. 326.82/- per day as under:-

S.No.	Year	Rate Per Plants
1	1st Year Plantation	Rs. 359.10/- Per Plant
2	2nd Year Plantation	Rs. 115.35/- Per Plant
3	3rd Year Plantation	Rs. 41.89/ - Per Plant
4	4 th Year Plantation	Rs. 15.58/- Per Plant
5	5 th Year Plantation	Rs. 15.58/- Per Plant
6	6 th Year Plantation	Rs. 15.58/- Per Plant
7	7th Year Plantation	Rs. 15.58/- Per Plant
8	8th Year Plantation	Rs. 15.58/- Per Plant
9	9th Year Plantation	Rs. 15.58/- Per Plant
10	10th Year Plantation	Rs. 15.58/- Per Plant
Total Cost		Rs. 625.40

Total Area to be Diverted : 3.24 ha.

Area to be planted : 0.90 ha.

No. of Plants to be Planted : 900

Area to be planted under normal CA : 0.90 ha.

Plants to be Planted under normal CA : 900 (@ 1000 plants per ha.)

Sr. No.	DESCRIPTION		Rate	Total Amount (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1st Year cost of afforestation	900	Rs. 359.10/- Per Plant	323190
	(2) 2nd Year maintenance	900	Rs. 115.35+5%=121.12 Per Plant	109008
	(3) 3rd Year maintenance	900	Rs. 41.89+5%=43.98 Per Plant	39582
	(4) 4th Year maintenance	900	Rs. 15.58+5%=16.35 Per Plant	14715
	(5) 5th Year Maintenance	900	Rs. 15.58+16.35 Per Plant	14715
	(6) 6th Year Maintenance	900	Rs. 15.58+16.35 Per Plant	14715
	(7) 7th Year Maintenance	900	Rs. 15.58+16.35 Per Plant	14715
	(8) 8th Year Maintenance	900	Rs. 15.58+16.35 Per Plant	14715
	(9) 9th Year Maintenance	900	Rs. 15.58+16.35 Per	14715

			Plant	
	(10) 10th Year Maintenance	900	Rs. 15.58+16.35 Per Plant	14715
	(11) Barbed wire fencing	3.6 RKM	Rs. 76700/-per RKM	276120
	Total Charges			850905
	Supervisory/Overhead/Miscellaneous Charges		10% on the total CA Charges	85091
	Total (A) C.A. Charge			**935996**

B	Penal C.A.		-	0
C	**Catchment Area Treatment**			
	Soil and Moisture Conservation charges 30% of the Total CA			280799
	Total (C)			280799
	Grand Total (A+B+C) to be deposited in CAMPA Fund			**1216795**

4. Technical detail of Compensatory Afforestation Scheme are as follows:-

i) General Details:- Plantation will be done with 6 strand barbed wire in said lane.

j) Spacement:- 4 x 2 ½ meter

k) Species:- Neem, bakain, P.Papri, Albizia lebeck.

l) Plantation Method : **Tall Plantation.**

m) **Soil and Moisture Conservation Works :- Nil**

n) **Protection (Fencing, Watch man, People's Participation etc):- Fencing**

o) **Proposed Monitoring Mechanism :- (M&E)**

p) **Any other information :-**

1. **Muscat/Kannapulla Removal**
2. **Levelling**
3. **Harvesting**

Divisional Forest officer,
Charkhi Dadri.

Full Title of the Project: Diversion of 39.57 Ha. Of forest land for Remodelity of any mention Canal from RD 0 Km to 75.250 Km (in reach RD 58.700 Km to 75.250) under forest Division to Distt. Karnal (Haryana).

File No. : FP/HR/IRRIG/41458 /2019)

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

Non Forest Area = 2.85 Ha non-forest land where C.A. is to be carried out.

Division: **Rohtak** District: **Rohtak**

Tehsil: **Rohtak**

C.A. Site Name: Gaushala Land at Village Khidwali, Rohtak.

GPS Reading

Latitude: 29'01'28.739"N	**Longitude: 76°60'59.095"E**
Latitude: 29°01'28.769"N	**Longitude: 76°60'71.805"E**
Latitude: 29°01'03.477"N	**Longitude: 76°60'56.047"E**
Latitude: 29°01'03.790"N	**Longitude: 76°60'59.715"E**

Area to be Afforested :-

a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No):

b) 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 :-

i) Soil type: Good

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 ;

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 2½m spacing at the wage rate of Rs. 326.82 per day as under:-

S. No	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plant		

	(1) 1st Year cost afforestation	2850	Rs.395.01 Per Plant	1125779
	(2) 2nd Year maintenance	2850	Rs.126.88 Per Plant	361608
	(3) 3rd Year maintenance	2850	Rs. 46.79 Per Plant	133352
	(4) 4th Year maintenance	2850	Rs. 17.13 Per Plant	48821
	(5) 5th Year maintenance	2850	Rs. 17.13 Per Plant	48821
	(6) 6th Year maintenance	2850	Rs. 17.13 Per Plant	48821
	(7) 7th Year maintenance	2850	Rs. 17.13 Per Plant	48821
	(8) 8th Year maintenance	2850	Rs. 17.13 Per Plant	48821
	(9) 9th Year maintenance	2850	Rs. 17.13 Per Plant	48821
	(10) 10th Year maintenance	2850	Rs. 17.13 Per Plant	48821
	(11) Barbed wire fencing charge	RKM 1	Rs.76700/- Per RKM	76700
	Total Charges			**2039182**
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	**203918**
	Total (A) C.A. Charge			**2243100**
B	Additional Compensatory Afforestation Charges			
	(1) 1st Year cost of afforestation	0	Rs. 395.01 Per Plant	0
	(2) 2nd Year maintenance	0	Rs.126.88 Per Plant	0
	(3) 3rd Year maintenance	0	Rs. 46.79 Per Plant	0
	(4) 4th Year maintenance	0	Rs. 17.13 Per Plant	0
	(5) 5th Year maintenance	0	Rs. 17.13 Per Plant	0
	(6) 6th Year maintenance	0	Rs. 17.13 Per Plant	0
	(7) 7th Year maintenance	0	Rs. 17.13 Per Plant	0
	(8) 8th Year maintenance	0	Rs. 17.13 Per Plant	0
	(9) 9th Year maintenance	0	Rs. 17.13 Per Plant	0
	(10) 10th Year maintenance	0	Rs. 17.13 Per Plant	0
	(11) Barbed wire fencing charge	RKM 0	Rs.76700/- Per RKM	0
	Total (B) Addl. C.A. Charges			**0**
C	Penal C.A.		-	0
D	Catchment Area Treatment			
	Soil and Moisture Conservation charges		30% of the Total CA	672930
	Total (D)			0
E	Safety Zone (if required)			0
F	Additional Charges (if required)	Qty	Rate	0
	Total (F)			0
G	Net Present Value of Forest Land to be diverted		Rs. 887000/- per ha.	0
H	Felling charges	Vol. M3	Rs.1200 /- per m3	0
	Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund			2916030.00
	Or Say			**2916030.00**

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2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

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

b) Spacemen:- 4×4 meter

c) Species:- Shisham, Neem, Papri, Jamun

d) Plantation Method :- Tall Plantation

e) Soil and Moisture Conservation Works

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

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

h) Any Other information:- Nil.

Place:
Dated : /07/2020

Divisional Forest Officer,
Rohtak Forest Division.
Office Seal ROHTAK

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Full Title of the Project: **Diversion of 39.57 ha. of forest land for remodeling of augmentation Canal from RD 0 km. to 75.250 km. (in reach RD 58.700 to 75.250 km) under forest division and Distt. Karnal**

File No. : FCA **FP/HR/IRRIG/42775/2019**

Date of Submission:

CHECK LIST SERIAL NUMBER:-18

REVISED "SCHEME FOR C.A."

Name of the Forest/Reach to be diverted: **Diversion of 39.57 ha. of forest land for remodeling of augmentation Canal from RD 0 km. to 75.250 km.(in reach RD 58.700 to 72.250km.) under forest Division and Distt. Karnal**

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

Division: Bhiwani Distt. Bhiwani Tehsil: Bhiwani Range: Bhiwani

Non Forest Area situated on Bhiwani-Rohtak road in village Kharak Kalan

GPS Coordinates:-

28.49'17.13"N 76.17'33.01"E 28.49'17.62"N 76.17'35.47"E 28.49'15.27'N 76.17'35.74"E

28.49'15.18"N 76.17'34.93"E 28.49'13.06"N 76.17'32.43"E 28.49'13.91"N 76.17'38.17"E

Area to be Afforested :- 1.40 ha.(Note:-100 nos. of trees are standing on above land. Hence, the area of plantation 0.20 ha. will be reduced from to 1.60 ha. to 1.40 ha.

a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No): .....**non forest land provided by Irrigation Department.**

b) If the CA site is other than the land bank, reasons be given:- **N/A**

In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :- N/A

i) Soil type: ...Sandy to 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:- **Full of Musket (Prosopis Juliflora)**

Plantation Model:-

About 100 trees are already standing in CA Area, which covers about 0.2 hect. Remaining 1.4 ha. Area is available for plantation. Area is fully invaded with Musquit (Prosopis juliflora). Plantation can be done only after the uprooting of Musquet which is proposed is C.A. Scheme. 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 2½m spacing at the wage rate of Rs. 347.08 per day as under:-

Year	Rate per Plant
1st Year cost of afforestation	Rs. 381.28 Per Plant
2nd Year maintenance	Rs. 122.48 Per Plant
3rd Year maintenance	Rs. 44.48 Per Plant
4th Year maintenance	Rs. 16.54 Per Plant
5th Year maintenance	Rs. 16.54 Per Plant
6th Year maintenance	Rs. 16.54 Per Plant
7th Year maintenance	Rs. 16.54 Per Plant
8th Year maintenance	Rs. 16.54 Per Plant
9th Year maintenance	Rs. 16.54 Per Plant
10th Year maintenance	Rs. 16.54 Per Plant
Total	**Rs. 664.02**

Plants to be Planted under normal CA : 1.40 ha. (@ 1000 plants per ha.) 1400 nos.

S.No	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1st Year cost of afforestation	1400 nos.	Rs. 381.28 Per Plant	533792
	(2) 2nd Year maintenance		Rs. 122.48 Per Plant	152248
	(3) 3rd Year maintenance		Rs. 44.48 Per Plant	62272
	(4) 4th Year maintenance		Rs. 16.54 Per Plant	24810
	(5) 5th Year maintenance		Rs. 16.54 Per Plant	23156
	(6) 6th Year maintenance		Rs. 16.54 Per Plant	23156
	(7) 7th Year maintenance		Rs. 16.54 Per Plant	23156
	(8) 8th Year maintenance		Rs. 16.54 Per Plant	23156
	(9) 9th Year maintenance		Rs. 16.54 Per Plant	23156
	(10) 10th Year maintenance		Rs. 16.54 Per Plant	23156
	(11)Barbed wire fencing charge=1.00 RKM		Rs.9,00,000/- Per RKM	900000
	Total Charges			1812058
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	181206
	Sub Total (A) Total C.A. Charges			**1993264**
B	**Additional Compensatory Afforestation Charges**			
	(1) 1st Year cost of afforestation	0	Rs. 359.10/- Per Plant	
	(2) 2nd Year maintenance		Rs. 115.35/- Per Plant	
	(3) 3rd Year maintenance		Rs. 41.89/- Per Plant	
	(4) 4th Year maintenance		Rs. 15.58/- Per Plant	
	(5) 5th Year maintenance		Rs. 15.58/- Per Plant	
	(6) 6th Year maintenance		Rs. 15.58/- Per Plant	
	(7) 7th Year maintenance		Rs. 15.58/- Per Plant	
	(8) 8th Year maintenance		Rs. 15.58/- Per Plant	
	(9) 9th Year maintenance		Rs. 15.58/- Per Plant	
	(10) 10th Year maintenance		Rs. 15.58/- Per Plant	
	(11) Barbed wire fencing charge= NIL		Rs.172500/- Per RKM	
	Sub Total (B) Total Addl. C.A. Charges			

C	Penal C.A.		
D	**Catchment Area Treatment**		
	Soil and Moisture Conservation charges	30% of the Total CA	**597979**
	Sub Total (D)		
E	Safety Zone		
F	**Additional Charges**		
	I - Uprooting of Musqute 1,00,000 per Acre (3.75 Acre)		375000
	ii- Survey and Demarcation		100000
	iii- Demolition of Building (old Structure)		300000
	iv. Installation of Tubewell		500000
	Sub Total (F)		
G	Net Present Value of Forest Land to be diverted =	Rs. 887000/- per ha.	0
H	Felling charges = m^3	Rs.1200 /- per m^3	0
	GRAND TOTAL (A+D+F) to be deposited in CAMPA Fund		**3866243**

2. **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:- **Sahtoot, Dhak, Beri, Sisham, Jamun, Siras, Lashura, Bakin, P.Papri etc.**
d) Plantation Method :- .Tall Plant..... Plantation
e) Soil and Moisture Conservation Works
f) Protection (Fencing, Watch man, People's Participation etc.):- **Fencing**
g) Proposed Monitoring Mechanism:- **(M&E),**
h) Any Other information:- Nil.

Divisional Forest Officer,
Bhiwani.

मार्किंग सुची बाबत पर हरे खड़े वृक्षों की गॉव खरक स्थित सिचाई विभाग की भूमि पर बाबत बामला बीट भिवानी द्वितीय ब्लॉक भिवानी रेंज माह 07 / 2020

Name of Site	RD	Sr. No.	Beat E.No.	Species	Girth	Class	Volume	Remarks
"	"	1		Bakain	88	IV	0.14	Green Stand
"	"	2		Bakain	107	III	0.57	Green Stand
"	"	3		Siras	128	II A	1.13	Green Stand
"	"	4		Siras	188	I A	2.83	Green Stand
"	"	5		Shisham	83	IV	0.14	Green Stand
"	"	6		Beri	112	III	0.57	Green Stand
"	"	7		Beri	116	III	0.57	Green Stand
"	"	8		Bakain	62	IV	0.14	Green Stand
"	"	9		Shisham	63	IV	0.14	Green Stand
"	"	10		Toot	53	V	0.06	Green Stand
"	"	11		Amaltas	146	II A	1.13	Dry Stand
"	"	12		Neem	67	IV	0.14	Green Stand
"	"	13		Shisham	65	IV	0.14	Green Stand
"	"	14		Amaltas	138	II A	1.13	Green Stand
"	"	15		Gulmohar	160	II B	1.98	Green Stand
"	"	16		Shisham	94	III	0.57	Green Stand
"	"	17		Mise	68	IV	0.14	Green Stand
"	"	18		Gulmohar	123	II A	1.13	Dry Stand
"	"	19		Siras	94	III	0.57	Green Stand
"	"	20		Euc	73	IV	0.42	Green Stand
"	"	21		Siras	87	IV	0.14	Green Stand
"	"	22		Siras	75	IV	0.14	Green Stand
"	"	23		Ronj	87	IV	0.14	Green Stand
"	"	24		Gulmohar	147	II A	1.13	Green Stand
"	"	25		Jamun	207	I A	2.83	Green Stand
"	"	26		Jamun	189	I A	2.83	Green Stand
"	"	27		Lasora	87	IV	0.14	Green Stand
"	"	28		Lasora	72	IV	0.14	Green Stand
"	"	29		Sonjhna	168	II B	1.98	Green Stand
"	"	30		Shisham	68	IV	0.14	Green Stand
"	"	31		Shisham	45	V	0.06	Green Stand
"	"	32		Pipal	47	V	0.06	Green Stand
"	"	33		Siras	59	V	0.06	Green Stand
"	"	34		Neem	57	V	0.06	Green Stand
"	"	35		Siras	280	I B	3.54	Green Stand
"	"	36		Lasora	117	III	0.57	Green Stand
"	"	37		Lasora	42	V	0.06	Green Stand
"	"	38		Shisham	40	V	0.06	Green Stand

"	"	39		Neem	78	IV	0.14	Green Stand
"	"	40		Neem	75	IV	0.14	Green Stand
"	"	41		Neem	65	IV	0.14	Green Stand
"	"	42		Neem	55	V	0.06	Green Stand
"	"	43		Neem	58	V	0.06	Green Stand
"	"	44		Neem	138	II A	1.13	Green Stand
"	"	45		Shisham	57	IV	0.14	Green Stand
"	"	46		Jamun	38	V	0.06	Green Stand
"	"	47		Pipal	45	V	0.06	Green Stand
"	"	48		Siras	116	III	0.57	Green Stand
"	"	49		Neem	280	I B	3.54	Green Stand
"	"	50		Neem	66	IV	0.14	Green Stand
"	"	51		Shisham	72	IV	0.14	Green Stand
"	"	52		Pipal	182	I A	2.83	Green Stand
"	"	53		Toot	118	III	0.57	Green Stand
"	"	54		Toot	58	V	0.06	Green Stand
"	"	55		Neem	79	IV	0.14	Green Stand
"	"	56		Neem	89	IV	0.14	Green Stand
"	"	57		Neem	73	IV	0.14	Green Stand
"	"	58		Jand	170	II B	1.98	Green Stand
"	"	59		Neem	65	IV	0.14	Green Stand
"	"	60		Neem	58	V	0.06	Green Stand
"	"	61		Neem	59	V	0.06	Green Stand
"	"	62		Neem	165	II B	1.98	Green Stand
"	"	63		Neem	224	I B	3.54	Green Stand
"	"	64		Kendu	55	V	0.06	Green Stand
"	"	65		Pipal	96	III	0.57	Green Stand
"	"	66		Siras	65	IV	0.14	Green Stand
"	"	67		Siras	67	IV	0.14	Green Stand
"	"	68		Neem	58	V	0.06	Green Stand
"	"	69		Neem	110	III	0.57	Green Stand
"	"	70		Siras	130	II A	1.13	Green Stand
"	"	71		Neem	54	V	0.06	Green Stand
"	"	72		Kendu	94	III	0.57	Green Stand
"	"	73		Pipal	350	I B	3.54	Green Stand
"	"	74		Neem	87	IV	0.14	Green Stand
"	"	75		Neem	78	IV	0.14	Green Stand
"	"	76		Siras	74	IV	0.14	Green Stand
"	"	77		Neem	65	IV	0.14	Green Stand
"	"	78		Neem	215	I B	3.54	Green Stand
"	"	79		Neem	135	II A	1.13	Green Stand
"	"	80		Neem	65	IV	0.14	Green Stand

"	"	81		Neem	50	V	0.06	Green Stand
"	"	82		Neem	45	V	0.06	Green Stand
"	"	83		Neem	75	IV	0.14	Green Stand
"	"	84		Neem	40	V	0.06	Green Stand
"	"	85		Shisham	110	III	0.57	Green Stand
"	"	86		Neem	148	II A	1.13	Green Stand
"	"	87		Pipal	88	IV	0.14	Green Stand
"	"	88		Neem	84	IV	0.14	Green Stand
"	"	89		Neem	65	IV	0.14	Green Stand
"	"	90		Masquit	45	V	0.06	Green Stand
"	"	91		Masquit	51	V	0.06	Green Stand
"	"	92		Masquit	54	V	0.06	Green Stand
"	"	93		Masquit	49	V	0.06	Green Stand
"	"	94		Masquit	52	V	0.06	Green Stand
"	"	95		Masquit	62	IV	0.14	Green Stand
"	"	96		Masquit	66	IV	0.14	Green Stand
"	"	97		Masquit	63	IV	0.14	Green Stand
"	"	98		Masquit	64	IV	0.14	Green Stand
"	"	99		Masquit	65	IV	0.14	Green Stand
"	"	100		Masquit	94	III	0.57	Green Stand

ABSTRACT

Name of Spp.	V	IV	III	IIA	IIB	IA	IB	TT	Volume
Kikar								0	0
Sisham	2	6	2	0	0	0	0	10	2.1
Euc	0	1	0	0	0	0	0	1	0.42
Missc	23	33	11	9	4	4	5	89	59.38
Total	25	40	13	9	4	4	5	100	61.9

श्री मानजी,

प्रमाणीत किया जाता है की उपरोक्त मार्किंग सुची मेरे द्वारा मौके पर जाकर बनाई है जो 100 प्रतिशत सहि है । सभी वृक्ष मौके पर हरे खड़े है व वृक्षों की लपेट व किस्म मौके अनुसार सही है।

नोटः– श्रीमान जी, इसके अतिरिक्त काफी मात्रा में पोल साईज व झाडीनुमा मस्कट के वृक्ष मोके पर खड़े हुये है।

Certifeed that marking list 100% has been Prepared by me

I/C Bamla Beat

Certifeed that 100% marking has been checked by me and found Correct

I/C Bhiwani IInd Block

Certifeed that 100% marking has been checked by me and found Correct

RFO Bhiwani

Divisional Forest Officer
BHIWANI FOREST DIVISION
BHIWANI

Full Title of the Project : Diversion of 39.57 ha. of forest land for Remodeling of Augmentation Canal from RD 0 km to 75.250 km (in Reach RD 58.700 Km to 75.250 KM) under forest division and district Karnal Haryana.

File No. : FP/HR/IRRIG/41469/2019

CHECK LIST SERIAL NUMBER :- 18

" REVISED SCHEME FOR C.A. " (Model-1)

Name of the Forest/Reach to be diverted for Remodeling of Augmentation Canal from RD 0 km to 75.250 km (in Reach RD 58.700 Km to 75.250 KM) under forest division and district Karnal Haryana.

Forest Area = 39.57 ha.

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

Division: Mahendergarh District: Mahendergarh Range: Mahendergarh C.A. Site Name: **Abandoned land of irrigation at village Kheri** to be afforested:-

i) Whether the site selected for Compensatory Afforestation is a Land bank or Not: - **No, the site selected for compensatory afforestation is not a land bank.**

ii) If the CA site is other than the land bank, reasons are given: - There is no land bank in District Mahendergarh. **Plantation will be done at Non-forest land abandoned land of irrigation at village Kheri.**
In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:-Adjacent to strip Protected Forest.

iii) Soil type **Sandy Loam**

iv) Topography a. Hilly/Undulating/Plain: **Undulating**
b. Slope: - Steep/**Medium**/Gentle

v) Whether the area is bearing any root stock of vegetation:- **Area is covered with Prosopis juliflora.**

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 Estimated cost of plantation & Maint. of 7000 Plants for next ten year by revising the existing CA Scheme of 625.40 Rs. per plants from wage rate Rs. 326.82/- per day to Rs. 382/- per day in the year 2021-22 as under :-

S.No.	Year	Rate Per Plant
1	1 st Year Plantation	Rs. 419.97/- Per Plant
2	2 nd Year Plantation	Rs. 134.82/- Per Plant
3	3 rd Year Plantation	Rs. 48.96/- Per Plant
4	4 th Year Plantation	Rs. 18.21/- Per Plant
5	5 th Year Plantation	Rs. 18.21/- Per Plant
6	6 th Year Plantation	Rs. 18.21/- Per Plant
7	7 th Year Plantation	Rs. 18.21/- Per Plant
8	8 th Year Plantation	Rs. 18.21/- Per Plant
9	9 th Year Plantation	Rs. 18.21/- Per Plant
10	10 th Year Plantation	Rs. 18.21/- Per Plant
	Total Cost	**Rs. 731.22**

Area to be Diverted : 39.57 ha.
No. of Trees to be felled : Nil
No. of Plants to be damaged : Nil
Area to be planted under normal CA : 7.0 ha. (The total irrigation land 8.6 ha. at village Kheri where 310 trees of various classes already exist (list attached). Due to lack of space only 7 ha area to be planted under CA).
Plants to be Planted under normal CA : 7000 (@ 1000 plants per ha.)
Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= 0 Plants
Area to planted under Addl. CA : 0 ha. (@ 1000 plants per ha.)
Total No. of plants to be planted (CA+Addl.CA) : 7000
Total Area to be planted (CA+Addl.CA) : 7.0 ha. (@ 1000 plants per ha.)

A	Compensatory Afforestation Charges	No. of Plants	Rate	Total Amount (Rs.)
	(1) 1st Year cost of afforestation	7000	Rs. 419.97/- Per Plant	2939790
	(2) 2nd Year maintenance	7000	Rs. 134.82/- Per Plant	943740
	(3) 3rd Year maintenance	7000	Rs. 48.96/- Per Plant	342720
	(4) 4th Year maintenance	7000	Rs. 18.21/- Per Plant	127470
	(5) 5th Year Maintenance	7000	Rs. 18.21/- Per Plant	127470
	(6) 6th Year Maintenance	7000	Rs. 18.21/- Per Plant	127470
	(7) 7th Year Maintenance	7000	Rs. 18.21/- Per Plant	127470
	(8) 8th Year Maintenance	7000	Rs. 18.21/- Per Plant	127470

	(9) 9th Year Maintenance	7000	Rs. 18.21/- Per Plant	127470
	(10) 10th Year Maintenance	7000	Rs. 18.21/- Per Plant	127470
	(11) Barbed wire fencing charge	2.00 rkm	Rs. 200000/- Per RKM	400000
	Total charges			**5518540**
	Supervisory/Overhead/Miscellaneous Charges		10% on the total CA charges	551854
	Sub Total (A) C.A. charges			**6070394**
B	**Additional Compensatory Afforestation Charges**	**No. of Plants**	**Rate**	**Total Amount (Rs.)**
	(1) 1st Year cost of afforestation	0	Rs. 419.97/- Per Plant	0
	(2) 2nd Year maintenance	0	Rs. 134.82/- Per Plant	0
	(3) 3rd Year maintenance	0	Rs. 48.96/- Per Plant	0
	(4) 4th Year maintenance	0	Rs. 18.21/- Per Plant	0
	(5) 5th Year Maintenance	0	Rs. 18.21/- Per Plant	0
	(6) 6th Year Maintenance	0	Rs. 18.21/- Per Plant	0
	(7) 7th Year Maintenance	0	Rs. 18.21/- Per Plant	0
	(8) 8th Year Maintenance	0	Rs. 18.21/- Per Plant	0
	(9) 9th Year Maintenance	0	Rs. 18.21/- Per Plant	0
	() th Year Maintenance	0	Rs. 18.21/- Per Plant	0
	(11) Barbed wire fencing charge		Rs. 200000/- Per RKM	0
	Sub Total (B) Total addl. C.A. charges			
C	Penal CA			0
D	Catchments Area Treatment			0
	Removal of Prosopis juliflora using JCB	100 hours	@ 800 per hour	80000
	Rotavator for soil preparation	17.3 Acre	@ 5000 per acre	86500
	Digging of periphery trenches	143.31	7000*2*0.45*0.45= 2835 cum	481808
	Digging & Installation of Tube well		L.S.	960000
	Electricity charges for 10 years	10	2500*12=30000 per annum	300000
	Protection watcher 2 person for 8 Ha. (Enhanced Wage Rate @ 10% (Rs.) as under)			
	1st year 2021-22	382	26x12x2 = 624 Man days	238368
	IInd year 2022-23	420	26x12x2 = 624 Man days	262080
	IIInd year 2023-24	462	26x12x2 = 624 Man days	288288
	IVth year 2024-25	508	26x12x2 = 624 Man days	316992
	Vth year 2025-26	559	26x12x2 = 624 Man days	348816
	VIth year 2026-27	615	26x12x2 = 624 Man days	383760

	VIIth year 2027-28	677	26x12x2 = 624 Man days	422448
	VIIIth year 2028-29	745	26x12x2 = 624 Man days	464880
	IXth year 2029-30	820	26x12x2 = 624 Man days	511680
	Xth year 2030-31	902	26x12x2 = 624 Man days	562848
				3800160
	Demarcation of area	2 Days	15000/- Per Day	30000
	Soil and Moisture Conservation charges		30% of total CA	1821118
	Sub Total (D)			**7559586**
E	Safety Zone			0
F	Additional Charges			0
	Sub Total (F)			0
G	Net Present Value of Forest Land to be diverted	0	887000 per ha.	0
H	Felling charges	0	1200 per cum	0
	Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund			**13629980**

2. **Technical details :-**

Technical details of Compensatory Afforestation Scheme are as follows :-

a) General Details :- Plantation will be done with 3 strand barbed wire fencing in Non forest area Abandoned land of Irrigation department to be given to Forest department at village Kheri district Mahendergarh .
This area is not vacant. Area is covered with Prosopis juliflora. Out of approximately 8.5 Ha. area about 7 ha. will be available after removal of mesquites plants /trees. Plantation of tall plants at the space of 4x2½ meter will be done.

b) Spacement :- **4 x 2½ meter**

(c) Species :- **Holoptelea integrifolia, Azadirachta indica, Dalbergia sissoo, Tamarix spp., Tamarindus indicus, Cordia gharaf, Cordia myxa, Albizia lebbeck, Morus Alba, Ficus benghalensis, Ficus religiosa, Ficus glomerata etc.**

(d) Plantation Method :- **Tall Plantation .**

(e) Soil and Moisture Conservation Works: - **As per scheme**

(f) Protection (Fencing, Watch man, People's Participation etc): - **Fencing, Protection Watcher**

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

(h) Any other information: - **Demarcation to be done**

V. K. Singh
Divisional Forest Officer,
Mahendergarh Forest Division
Mahendergarh

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

INVENTORY OF TREES AT VILLAGE KHERI ABANDONED IRRIGATION DEPARTMENT LAND

Sr No	Tree No	Name of species	Botanical Name	Girth	Class	Remarks
1	1	Shisham	Dalbergia sissoo	56	V	
2	2	Shisham	Dalbergia sissoo	35	V	
3	3	Shisham	Dalbergia sissoo	39	V	
4	4	Shisham	Dalbergia sissoo	32	V	
5	5	Kikar	Acacia nilotica	85	IV	
6	6	Mesquite	Prosopis juliflora	40	V	
7	7	Mesquite	Prosopis juliflora	44	V	
8	8	Jaal	Salvadora persica	209	IA	
9	9	Kair	Capparis decidua	62	IV	
10	10	Tortlis	Acacia tortlis	45	V	
11	11	Kikar	Acacia nilotica	91	III	
12	12	Jaal	Salvadora persica	50	V	
13	13	Kikar	Acacia nilotica	99	III	
14	14	Kikar	Acacia nilotica	89	IV	
15	15	Kikar	Acacia nilotica	87	IV	
16	16	Kikar	Acacia nilotica	132	IIA	
17	17	Mesquite	Prosopis juliflora	48	V	
18	18	Kikar	Acacia nilotica	122	IIA	
19	19	Kikar	Acacia nilotica	80	IV	
20	20	Kikar	Acacia nilotica	101	III	
21	21	Kikar	Acacia nilotica	100	III	
22	22	Kikar	Acacia nilotica	103	III	
23	23	Mesquite	Prosopis juliflora	48	V	
24	24	Mesquite	Prosopis juliflora	48	V	
25	25	Mesquite	Prosopis juliflora	37	V	
26	26	Tortlis	Acacia tortlis	60	IV	
27	27	Kikar	Acacia nilotica	115	III	
28	28	Kikar	Acacia nilotica	90	III	
29	29	Tortlis	Acacia tortlis	100	III	
30	30	Kikar	Acacia nilotica	105	III	
31	31	Kikar	Acacia nilotica	108	III	
32	32	Kikar	Acacia nilotica	127	IIA	
33	33	Kikar	Acacia nilotica	90	III	
34	34	Mesquite	Prosopis juliflora	55	V	
35	35	Mesquite	Prosopis juliflora	70	IV	
36	36	Tortlis	Acacia tortlis	45	V	
37	37	Kikar	Acacia nilotica	85	IV	
38	38	Kikar	Acacia nilotica	102	III	
39	39	Kikar	Acacia nilotica	48	V	
40	40	Kikar	Acacia nilotica	160	IIB	
41	41	Kikar	Acacia nilotica	75	IV	
42	42	Mesquite	Prosopis juliflora	61	IV	
43	43	Mesquite	Prosopis juliflora	45	V	
44	44	Mesquite	Prosopis juliflora	51	V	
45	45	Neem	Azadirachta indica	58	V	
46	46	Tortlis	Acacia tortlis	94	III	
47	47	Kikar	Acacia nilotica	114	III	
48	48	Tortlis	Acacia tortlis	58	V	

49	49	Tortlis	Acacia tortlis	51	V	
50	50	Kikar	Acacia nilotica	99	III	
51	51	Kikar	Acacia nilotica	97	III	
52	52	Mesquite	Prosopis juliflora	55	V	
53	53	Mesquite	Prosopis juliflora	52	V	
54	54	Mesquite	Prosopis juliflora	48	V	
55	55	Mesquite	Prosopis juliflora	50	V	
56	56	Kikar	Acacia nilotica	45	V	
57	57	Tortlis	Acacia tortlis	46	V	
58	58	Kikar	Acacia nilotica	105	III	
59	59	Mesquite	Prosopis juliflora	57	V	
60	60	Mesquite	Prosopis juliflora	56	V	
61	61	Kikar	Acacia nilotica	51	V	
62	62	Kikar	Acacia nilotica	44	V	
63	63	Kikar	Acacia nilotica	49	V	
64	64	Tortlis	Acacia tortlis	35	V	
65	65	Mesquite	Prosopis juliflora	53	V	
66	66	Kikar	Acacia nilotica	59	V	
67	67	Shisham	Dalbergia sissoo	43	V	
68	68	Mesquite	Prosopis juliflora	58	V	
69	69	Tortlis	Acacia tortlis	34	V	
70	70	Kikar	Acacia nilotica	87	IV	
71	71	Kikar	Acacia nilotica	92	III	
72	72	Tortlis	Acacia tortlis	40	V	
73	73	Kikar	Acacia nilotica	114	III	
74	74	Mesquite	Prosopis juliflora	53	V	
75	75	Kikar	Acacia nilotica	135	IIA	
76	76	Kikar	Acacia nilotica	114	III	
77	77	Tortlis	Acacia tortlis	113	III	
78	78	Neem	Azadirachta indica	59	V	
79	79	Tortlis	Acacia tortlis	91	III	
80	80	Kikar	Acacia nilotica	111	III	
81	81	Kikar	Acacia nilotica	114	III	
82	82	Kikar	Acacia nilotica	116	III	
83	83	Kikar	Acacia nilotica	82	IV	
84	84	Kikar	Acacia nilotica	101	III	
85	85	Kikar	Acacia nilotica	122	IIA	
86	86	Kikar	Acacia nilotica	114	III	
87	87	Kikar	Acacia nilotica	78	IV	
88	88	Mesquite	Prosopis juliflora	48	V	
89	89	Mesquite	Prosopis juliflora	53	V	
90	90	Mesquite	Prosopis juliflora	43	V	
91	91	Mesquite	Prosopis juliflora	87	IV	
92	92	Mesquite	Prosopis juliflora	85	IV	
93	93	Mesquite	Prosopis juliflora	54	V	
94	94	Mesquite	Prosopis juliflora	87	IV	
95	95	Kikar	Acacia nilotica	100	III	
96	96	Kikar	Acacia nilotica	89	IV	
97	97	Mesquite	Prosopis juliflora	45	V	
98	98	Mesquite	Prosopis juliflora	58	V	

99	99	Mesquite	Prosopis juliflora	73	IV	
100	100	Mesquite	Prosopis juliflora	80	IV	
101	101	Mesquite	Prosopis juliflora	71	IV	
102	102	Kikar	Acacia nilotica	101	III	
103	103	Mesquite	Prosopis juliflora	92	III	
104	104	Mesquite	Prosopis juliflora	64	IV	
105	105	Mesquite	Prosopis juliflora	54	V	
106	106	Kikar	Acacia nilotica	105	III	
107	107	Kikar	Acacia nilotica	122	IIA	
108	108	Kikar	Acacia nilotica	98	III	
109	109	Mesquite	Prosopis juliflora	44	V	
110	110	Mesquite	Prosopis juliflora	38	V	
111	111	Tortlis	Acacia tortlis	110	III	
112	112	Mesquite	Prosopis juliflora	52	V	
113	113	Mesquite	Prosopis juliflora	63	IV	
114	114	Kikar	Acacia nilotica	118	III	
115	115	Tortlis	Acacia tortlis	86	IV	
116	116	Kikar	Acacia nilotica	96	III	
117	117	Mesquite	Prosopis juliflora	60	IV	
118	118	Mesquite	Prosopis juliflora	70	IV	
119	119	Mesquite	Prosopis juliflora	49	V	
120	120	Mesquite	Prosopis juliflora	62	IV	
121	121	Mesquite	Prosopis juliflora	45	V	
122	122	Mesquite	Prosopis juliflora	51	V	
123	123	Mesquite	Prosopis juliflora	114	III	
124	124	Mesquite	Prosopis juliflora	81	IV	
125	125	Mesquite	Prosopis juliflora	61	IV	
126	126	Mesquite	Prosopis juliflora	97	III	
127	127	Mesquite	Prosopis juliflora	43	V	
128	128	Shisham	Dalbergia sissoo	52	V	
129	129	Mesquite	Prosopis juliflora	62	IV	
130	130	Kikar	Acacia nilotica	38	V	
131	131	Shisham	Dalbergia sissoo	43	V	
132	132	Kikar	Acacia nilotica	42	V	
133	133	Kikar	Acacia nilotica	126	IIA	
134	134	Mesquite	Prosopis juliflora	63	IV	
135	135	Mesquite	Prosopis juliflora	48	V	
136	136	Mesquite	Prosopis juliflora	55	V	
137	137	Kikar	Acacia nilotica	109	III	
138	138	Kikar	Acacia nilotica	88	IV	
139	139	Kikar	Acacia nilotica	84	IV	
140	140	Kikar	Acacia nilotica	116	III	
141	141	Kikar	Acacia nilotica	94	III	
142	142	Mesquite	Prosopis juliflora	70	IV	
143	143	Mesquite	Prosopis juliflora	57	V	
144	144	Mesquite	Prosopis juliflora	79	IV	
145	145	Mesquite	Prosopis juliflora	64	IV	
146	146	Kikar	Acacia nilotica	89	IV	
147	147	Mesquite	Prosopis juliflora	46	V	
148	148	Kikar	Acacia nilotica	99	III	

149	149	Kikar	Acacia nilotica	100	III	
150	150	Kikar	Acacia nilotica	81	IV	
151	151	Kikar	Acacia nilotica	109	III	
152	152	Kikar	Acacia nilotica	93	III	
153	153	Kikar	Acacia nilotica	104	III	
154	154	Kikar	Acacia nilotica	119	III	
155	155	Mesquite	Prosopis juliflora	69	IV	
156	156	Mesquite	Prosopis juliflora	68	IV	
157	157	Kikar	Acacia nilotica	82	IV	
158	158	Kikar	Acacia nilotica	86	IV	
159	159	Kikar	Acacia nilotica	116	III	
160	160	Mesquite	Prosopis juliflora	57	V	
161	161	Mesquite	Prosopis juliflora	92	III	
162	162	Kikar	Acacia nilotica	84	IV	
163	163	Kikar	Acacia nilotica	81	IV	
164	164	Kikar	Acacia nilotica	97	III	
165	165	Kikar	Acacia nilotica	121	IIA	
166	166	Kikar	Acacia nilotica	105	III	
167	167	Kikar	Acacia nilotica	120	IIA	
168	168	Mesquite	Prosopis juliflora	67	IV	
169	169	Kikar	Acacia nilotica	170	IIB	
170	170	Kikar	Acacia nilotica	89	IV	
171	171	Kikar	Acacia nilotica	100	III	
172	172	Kikar	Acacia nilotica	75	IV	
173	173	Kikar	Acacia nilotica	98	III	
174	174	Kikar	Acacia nilotica	88	IV	
175	175	Kikar	Acacia nilotica	87	IV	
176	176	Tortlis	Acacia tortlis	71	IV	
177	177	Kikar	Acacia nilotica	90	III	
178	178	Kikar	Acacia nilotica	81	IV	
179	179	Kikar	Acacia nilotica	96	III	
180	180	Tortlis	Acacia tortlis	40	V	
181	181	Mesquite	Prosopis juliflora	40	V	
182	182	Kikar	Acacia nilotica	90	III	
183	183	Mesquite	Prosopis juliflora	62	IV	
184	184	Kikar	Acacia nilotica	85	IV	
185	185	Kikar	Acacia nilotica	78	IV	
186	186	Kikar	Acacia nilotica	94	III	
187	187	Kikar	Acacia nilotica	145	IIA	
188	188	Kikar	Acacia nilotica	146	IIA	
189	189	Kikar	Acacia nilotica	144	IIA	
190	190	Kikar	Acacia nilotica	111	III	
191	191	Kikar	Acacia nilotica	91	III	
192	192	Neem	Azadirachta indica	81	IV	
193	193	Kikar	Acacia nilotica	165	IIB	
194	194	Kikar	Acacia nilotica	141	IIA	
195	195	Mesquite	Prosopis juliflora	61	IV	
196	196	Kikar	Acacia nilotica	49	V	
197	197	Kikar	Acacia nilotica	42	V	
198	198	Mesquite	Prosopis juliflora	45	V	

199	199	Jand	Prosopis cineraria	65	IV	
200	200	Mesquite	Prosopis juliflora	45	V	
201	201	Mesquite	Prosopis juliflora	67	IV	
202	202	Mesquite	Prosopis juliflora	71	IV	
203	203	Mesquite	Prosopis juliflora	103	III	
204	204	Mesquite	Prosopis juliflora	91	III	
205	205	Kikar	Acacia nilotica	122	IIA	
206	206	Mesquite	Prosopis juliflora	49	V	
207	207	Mesquite	Prosopis juliflora	46	V	
208	208	Mesquite	Prosopis juliflora	34	V	
209	209	Mesquite	Prosopis juliflora	62	IV	
210	210	Kikar	Acacia nilotica	95	III	
211	211	Mesquite	Prosopis juliflora	64	IV	
212	212	Mesquite	Prosopis juliflora	66	IV	
213	213	Kikar	Acacia nilotica	106	III	
214	214	Kikar	Acacia nilotica	103	III	
215	215	Mesquite	Prosopis juliflora	62	IV	
216	216	Mesquite	Prosopis juliflora	40	V	
217	217	Jaal	Salvadora persica	150	IIB	
218	218	Mesquite	Prosopis juliflora	49	V	
219	219	Kikar	Acacia nilotica	95	III	
220	220	Jaal	Salvadora persica	120	IIA	
221	221	Jaal	Salvadora persica	210	IB	
222	222	Jaal	Salvadora persica	195	IA	
223	223	Jaal	Salvadora persica	198	IA	
224	224	Jaal	Salvadora persica	210	IB	
225	225	Mesquite	Prosopis juliflora	85	IV	
226	226	Kikar	Acacia nilotica	76	IV	
227	227	Tortlis	Acacia tortlis	76	IV	
228	228	Tortlis	Acacia tortlis	40	V	
229	229	Tortlis	Acacia tortlis	41	V	
230	230	Mesquite	Prosopis juliflora	46	V	
231	231	Mesquite	Prosopis juliflora	65	IV	
232	232	Mesquite	Prosopis juliflora	59	V	
233	233	Kikar	Acacia nilotica	65	IV	
234	234	Jaal	Salvadora persica	240	IB	
235	235	Jaal	Salvadora persica	250	IB	
236	236	Indok	Indok	280	IB	
237	237	Mesquite	Prosopis juliflora	541	IB	
238	238	Mesquite	Prosopis juliflora	80	IV	
239	239	Mesquite	Prosopis juliflora	56	V	
240	240	Mesquite	Prosopis juliflora	61	IV	
241	241	Kikar	Acacia nilotica	95	III	
242	242	Mesquite	Prosopis juliflora	70	IV	
243	243	Mesquite	Prosopis juliflora	101	III	
244	244	Mesquite	Prosopis juliflora	54	V	
245	245	Kikar	Acacia nilotica	128	IIA	
246	246	Kikar	Acacia nilotica	134	IIA	
247	247	Mesquite	Prosopis juliflora	50	V	
248	248	Shisham	Dalbergia sissoo	66	IV	

249	249	Shisham	Dalbergia sissoo	50	V	
250	250	Shisham	Dalbergia sissoo	71	IV	
251	251	Shisham	Dalbergia sissoo	58	V	
252	252	Shisham	Dalbergia sissoo	48	V	
253	253	Shisham	Dalbergia sissoo	52	V	
254	254	Shisham	Dalbergia sissoo	44	V	
255	255	Shisham	Dalbergia sissoo	48	V	
256	256	Neem	Azadirachta indica	92	III	
257	257	Shisham	Dalbergia sissoo	53	V	
258	258	Shisham	Dalbergia sissoo	75	IV	
259	259	Sahtoot	Sahtoot	70	IV	
260	260	Kikar	Acacia nilotica	96	III	
261	261	Kikar	Acacia nilotica	107	III	
262	262	Kikar	Acacia nilotica	62	IV	
263	263	Kikar	Acacia nilotica	87	IV	
264	264	Mesquite	Prosopis juliflora	66	IV	
265	265	Kikar	Acacia nilotica	89	IV	
266	266	Mesquite	Prosopis juliflora	63	IV	
267	267	Mesquite	Prosopis juliflora	60	IV	
268	268	Mesquite	Prosopis juliflora	75	IV	
269	269	Mesquite	Prosopis juliflora	65	IV	
270	270	Kikar	Acacia nilotica	106	III	
271	271	Kikar	Acacia nilotica	90	III	
272	272	Kikar	Acacia nilotica	76	IV	
273	273	Mesquite	Prosopis juliflora	55	V	
274	274	Mesquite	Prosopis juliflora	39	V	
275	275	Kikar	Acacia nilotica	120	IIA	
276	276	Mesquite	Prosopis juliflora	52	V	
277	277	Kikar	Acacia nilotica	97	III	
278	278	Kikar	Acacia nilotica	113	III	
279	279	Kikar	Acacia nilotica	90	III	
280	280	Jaal	Salvadora persica	266	IB	
281	281	Jaal	Salvadora persica	160	IIB	
282	282	Kikar	Acacia nilotica	101	III	
283	283	Tortlis	Acacia tortlis	64	IV	
284	284	Mesquite	Prosopis juliflora	53	V	
285	285	Mesquite	Prosopis juliflora	54	V	
286	286	Mesquite	Prosopis juliflora	81	IV	
287	287	Mesquite	Prosopis juliflora	49	V	
288	288	Jaal	Salvadora persica	120	IIA	
289	289	Kikar	Acacia nilotica	88	IV	
290	290	Kikar	Acacia nilotica	95	III	
291	291	Kikar	Acacia nilotica	94	III	
292	292	Kikar	Acacia nilotica	90	III	
293	293	Jaal	Salvadora persica	210	IB	
294	294	Kikar	Acacia nilotica	115	III	
295	295	Kikar	Acacia nilotica	76	IV	
296	296	Kikar	Acacia nilotica	122	IIA	
297	297	Kikar	Acacia nilotica	45	V	
298	298	Kikar	Acacia nilotica	80	IV	

299	299	Tortlis	Acacia tortlis	90	III	
300	300	Kikar	Acacia nilotica	70	IV	
301	301	Kikar	Acacia nilotica	80	IV	
302	302	Mesquite	Prosopis juliflora	57	V	
303	303	Kikar	Acacia nilotica	72	IV	
304	304	Kikar	Acacia nilotica	70	IV	
305	305	Kikar	Acacia nilotica	102	III	
306	306	Kikar	Acacia nilotica	112	III	
307	307	Kikar	Acacia nilotica	99	III	
308	308	Kikar	Acacia nilotica	73	IV	
309	309	Mesquite	Prosopis juliflora	57	V	
310	310	Mesquite	Prosopis juliflora	55	V	

ABSTRACT

Species	V	IV	III	II A	II B	I A	I B	Total	Volume
Kiker	11	39	69	18	3			140	71.73
Shisham	14	3	0	0	0	0	0	17	1.26
Misc	73	51	14	2	2	3	8	153	62.53
Total	**25**	**42**	**69**	**18**	**3**	**0**	**0**	**310**	**135.52**

Certified that this inventory of trees has been checked by me and found correct.

Range Forest Officer,
Mahendergarh.

Divisional Forest Officer
Mahendergarh,

...rsion of 39.57 ha of Forest land for project of Remodelling of Augmentation canal from RD 0 Km to 72.25 Km under forest division and distt. Karnal (Haryana). (FP/HR/IRRIG/41469/2019)

Online Proposal No.:-

Date of Proposal:

CHECK LIST SERIAL NUMBER:- 18

"SCHEME FOR COMPENSATORY AFFORESTATION"

Name of the Forest/Reach to be diverted			Diversion of 39.57 ha of Forest land for project of Remodelling of Augmentation canal from RD 0 Km to 72.25 Km under forest division and distt. Karnal (Haryana). (FP/HR/IRRIG/41469/2019)		
Forest Area (in Ha)					
Details of de-graded forest land/non forest land where CA is to be carried out :			A. Hilly/Undulating/Plain.		
Division / District:	Hisar	Range	Hisar	Village.	Sharwa
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 x 2.5 mtr spacing and it is approved by the PCCF, Haryana's letter no. CAMPA/2729 dated 03-07-2018 at the wage rate of Rs. 326.82/- per day as under :-

Year	Plant per Year
1st Year cost of afforestation	359.10
2nd Year maintenance	115.35
3rd Year maintenance	41.89
4th Year maintenance	15.58
5th Year maintenance	15.58
6th Year maintenance	15.58
7th Year maintenance	15.58
8th Year maintenance	15.58
9th Year maintenance	15.58
10th Year maintenance	15.58
Total	625.40

A to be Diverted =	3.40
No. of trees to be felled-	0
Plants to be damaged=	0
Plants to be planted =	3400
Area to be Planted (@ 1000 plant per ha.) =	3.40
Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)=	

S.No	DESCRIPTION		RATE Rs Per Plant	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1st Year cost of afforestation	3400	359.10	1220940
	(2) 2nd Year maintenance		115.35	392190
	(3) 3rd Year maintenance		41.89	142426
	(4) 4th Year maintenance		15.58	52972
	(5) 5th Year maintenance		15.58	52972
	(6) 6th Year maintenance		15.58	52972
	(7) 7th Year maintenance		15.58	52972
	(8) 8th Year maintenance		15.58	52972
	(9) 9th Year maintenance		15.58	52972
	(10) 10th Year maintenance		15.58	52972
	(11) Barbed wire Fencing charges= RKM	13.60	Rs. 170000/- Per RKM	2312000
	Total Charges			4438360
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	443836
	Total (A) C.A. Charges			4882196
B	Additional Compensatory Afforestation Charges			
	(1) 1st Year cost of afforestation	0	359.10	0.00
	(2) 2nd Year maintenance		115.35	0.00
	(3) 3rd Year maintenance		41.89	0.00
	(4) 4th Year maintenance		15.58	0.00
	(5) 5th Year maintenance		15.58	0.00
	(6) 6th Year maintenance		15.58	0.00
	(7) 7th Year maintenance		15.58	0.00
	(8) 8th Year maintenance		15.58	0.00
	(9) 9th Year maintenance		15.58	0.00
	(10) 10th Year maintenance		15.58	0.00
	(11) Barbed wire Fencing charges= RKM	0.00	Rs. 170000/- Per RKM	0
	Total (B) Addl. C.A. Charges			0
C	Catchment Area Treatment (if required)			
	Soil and Moisture Conservation charges		30% of the Total CA	1464659
D	Safety Zone (if required)		25% of the Total	0
E	Additional Charges (if required)		0	0
	Laser Levelling		5800 per acre	50000
	Muskat Removal by JCB 30 Hours		800 per Hour	24000
	Digging of 7 feet land, brick & debris removal for Digged Land 70 Hours		800 per Hour	56000
	Demarcation, Survey and Layout		7000 per Acre	56000
	Purchase of Forest Sign Board			20000
	Construction of Gate its fixing			15000
	Misc. (removal of bricks from Tractor and trolly)			200000
	Earth filling for 8 acre (200 trolly)		800 per trolly	160000
	Augar 2 No.		95000 per No.	190000
	Total (E)			771000
F	Net Present Value of Forest Land to be diverted		Rs. 887000/- ha.	0
G	Felling charges = Vol m³	0	Rs. 1200/- Per m3	0
H	Exigency Charges 3% of the total cost of			
	Grand Total (A+B+C+D+E+F+G+H) TO BE Deposited in CAMPA			7117855
			Or Say	7117860

	Technical Details :-			
	Technical Details of Compensatory Afforestation Scheme are as follows :-			
a	General Details			Plantation will be done with 3 standard chain link fencing in RF/PF.
b	Spacement.			4 x 2.5 mtr.
c	Species.			Neem, Bakain, Shisham, Siris, Jamun, Papri etc.
d	Plantation Method.			Tall Plantation
e	Soil and Moisture Conservation Works.			required
f	Protection (Fencing, watchman, Peoples Participation etc).			Drone/Fencing
g	Proposed Monitoring Mechanisim.			M&E
h	Any Other Information			Demarcation and Supervision

Place: Hisar
Dated :

Divisional Forest Officer
Hisar Forest Division
HISAR

Divisional Forest Officer,
Hisar.

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

Diversion of 39.57 ha of Forest land for project of Remodeling of Augmentation canal from RD 0 Km to 72.25 Km under forest division and distt. Karnal (Haryana). (FP/HR/IRRIG/41469/2019)

Online Proposal No.:-

Date of Proposal:

CHECK LIST SERIAL NUMBER:- 18

"SCHEME FOR COMPENSATORY AFFORESTATION"

Name of the Forest/Reach to be diverted			Diversion of 39.57 ha of Forest land for project of Remodeling of Augmentation canal from RD 0 Km to 72.25 Km under forest division and distt. Karnal (Haryana). (FP/HR/IRRIG/41469/2019)		
Forest Area (in Ha)					
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	Baroli
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 and it is approved by the PCCF, Haryana's letter no. CAMPA/2729 dated 03-07-2018 at the wage rate of Rs. 326.82/- per day as under :-

Year	Plant per Year
1st Year cost of afforestation	359.10
2nd Year maintenance	115.35
3rd Year maintenance	41.89
4th Year maintenance	15.58
5th Year maintenance	15.58
6th Year maintenance	15.58
7th Year maintenance	15.58
8th Year maintenance	15.58
9th Year maintenance	15.58
10th Year maintenance	15.58
Total	625.40

Area to be Diverted =	4.55
No. of trees to be felled-	0
Plants to be damaged=	0
Plants to be planted =	4484
Area to be Planted (@ 1000 plant per ha.) =	4.48
Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)=	

S.No	DESCRIPTION		RATE Rs Per Plant	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
	(1) 1st Year cost of afforestation	4484	359.10	1610204
	(2) 2nd Year maintenance		115.35	517229
	(3) 3rd Year maintenance		41.89	187835
	(4) 4th Year maintenance		15.58	69861
	(5) 5th Year maintenance		15.58	69861
	(6) 6th Year maintenance		15.58	69861
	(7) 7th Year maintenance		15.58	69861
	(8) 8th Year maintenance		15.58	69861
	(9) 9th Year maintenance		15.58	69861
	(10) 10th Year maintenance		15.58	69861
	(11) Chain Link Fencing charges= RKM	1.10	Rs. 900000/- Per RKM	990000
	Total Charges			3794295
	Supervisory / Overhead / Miscellaneous Charges		10% on the CA charges	379430
	Total (A) C.A. Charges			4173725
B	**Additional Compensatory Afforestation Charges**			
	(1) 1st Year cost of afforestation	0	359.10	0.00
	(2) 2nd Year maintenance		115.35	0.00
	(3) 3rd Year maintenance		41.89	0.00
	(4) 4th Year maintenance		15.58	0.00
	(5) 5th Year maintenance		15.58	0.00
	(6) 6th Year maintenance		15.58	0.00
	(7) 7th Year maintenance		15.58	0.00
	(8) 8th Year maintenance		15.58	0.00
	(9) 9th Year maintenance		15.58	0.00
	(10) 10th Year maintenance		15.58	0.00
	(11) Chain Link Fencing charges= RKM	0.00	Rs. 900000/- Per RKM	0
	Total (B) Addl. C.A. Charges			0
C	**Catchment Area Treatment (if required)**			
	Soil and Moisture Conservation charges		30% of the Total CA	1252117
D	Safety Zone (if required)		25% of the Total	0
E	**Additional Charges (if required)**		0	0
	Demarcation, Survey and Layout		7000 per Acre	80000
	Laser Levelling 11.37 Acre		5800 per acre	65946
	Shurbs Removal 200 Mandays		347 per manday	69400
	Gypsum Application +Green manuring to reclaim soil+Casualty replacement+construction of sub surface drainage as per need	11.37 Acre	60000(AS per guideline of Min of Agri(GOI)	682200
	Digging of brick & debris removal for Digged Land 70 Hours		800 per Hour	56000
	Purchase of Forest Sign Board		—	35000
	Construction of Gate its fixing		—	30000
	Misc. (Removal of bricks through Tractor from CA Land and disposal to another place 200 trolly		1000 per trolly	200000
	Earth filling for 11 acre (95 trolly)		800 per trolly	76000

	JCB Machine	1 No.	2280000	2280000
	Tubewell	1		190000
	Pond 50X50X10	1	1325000	1325000
	Portable Pipe for Water distribution 1000 feet	1	10 per feet	10000
	Protection Watcher for 10 year	1	347/- per manday (26 manday per month and its increase to 10 percent per year	1082000
	Total (E)			**6181546**
F	**Net Present Value of** Forest Land to be diverted		Rs. 887000/- ha.	**0**
G	Felling charges = Vol m^3	**0**	Rs. 1200/- Per m3	**0**
H	Exigency Charges 3% of the total cost of			
	Grand Total (A+B+C+D+E+F+G+H) TO BE Deposited in CAMPA			**11607388**
			Or Say	**11607390**
3	**Technical Details :-**			
	Technical Details of Compensatory Afforestation Scheme are as follows :-			
a	General Details			Plantation will be done with 3 standard Barbed wire fencing in RF/PF.
b	Spacement.			
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.			required
f	Protection (Fencing, watchman, Peoples Participation etc).			Drone/Fencing
g	Proposed Monitoring Mechanisim.			M&E
h	Any Other Information			Demarcation and Supervision

Note : Sixteen No. of Plants like Shisham, Rohira and Jand are already exist in this area.

Place: Hisar
Dated :

Divisional Forest Officer
Hisar

Dy. Conservator of Forest
Hisar Forest Division
HISAR

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

Full Title of the Project :- Diversion of 39.57 Ha. of Forest Land remodeling of augmentation canal from rd 0 Km. to 75.250 Km. (in reach RD 58.700 Km. to 75.250 Km.) under Forest Division & Distt. Karnal, (Haryana).

File No :- FP/HR/IRRIG/41469/2019

Date of Proposal : 16/07/2020

CHECK LIST SERIAL NUMBER: 17

" Scheme for C.A."

Name of the Forest/Reaches to be diverted :-

Diversion of 39.57 Ha. of Forest Land remodeling of augmentation canal from rd 0 Km. to 75.250 Km. (in reach RD 58.700 Km. to 75.250 Km.) under Forest Division & Distt. Karnal, (Haryana).

Forest Area = **39.57**

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

Details of Non Forest Land identified for C.A.

For part of the compensatory afforestation , User Agency has proposed to provide equivalent non-forest land at Kharak Minor (from RD 12000 to 14000) in Kalayat, Kailram 30 feet long strip at Kailram Village and Abandoned Channel at Naina Dones in Kaithal Division. The sites proposed to carry out the CA are as under-

1. Division **Kaithal** District **Kaithal**
   Tehsil **Kaithal** Range **Kaithal**
   C.A. Site Name : **Kharak Minor From RD 12000 to 14000 (Kalayat)**

It may be noted that the site has old structure of irrigation minor. The site could be used for carrying out CA after dismantling of old structure and leveling of land. Currently about 20 trees are standing there.

Abstract - Kharak Pandwa Minor										
Species	**U/s**	**V**	**IV**	**III**	**II A**	**II B**	**I A**	**I B**	**Total**	**Vol M³**
Shisam	2	1	-	-	-	-	-	-	3	0.12
Kikar	2	2	-	-	-	-	-	-	4	0.18
Misc	4	4	4	-	1	-	-	-	13	2.05
Total	8	7	4	-	1	-	-	-	20	2.35

2 Division **Kaithal** District **Kaithal**
Tehsil **Kaithal** Range **Kaithal**
C.A. Site Name : **Kailram 30 ft. long strip (Rasta)**

It is to be noted that the presently site is under encroachment by the farmer. The CA at the site could only be carried out once the site is provided free of all encumbrances and encroachments by the UA.

3. Division **Kaithal** District **Kaithal**
Tehsil **Pundri** Range **Pundri**
C.A. Site Name : **Naina Dones abandoned channel**

It may be submitted that part of the abandoned channel is under encroachment and some part of the proposed site has old irrigation minor structure. For CA to be carried out at the site, the UA must be required to provide the site free from all encumbrances and encroachments. Further, the old structure at the site needs to be dismantled site leveled before carrying out the plantation. Also it may be noted that previously some plantation has been done by forest department on this minor and currently about 150 enumerated trees are standing there.

Abstract - Naina Dones Minor									
Species	**V**	**IV**	**III**	**II A**	**II B**	**I A**	**I B**	**Total**	**Vol M^3**
Eucalypts	-	2	-	-	-	-	-	2	0.84
Shisam	2	5	-	-	-	-	-	7	0.82
Misc	36	80	21	2	-	-	-	139	27.59
Total	38	87	21	2	-	-	-	148	29.25

Proposed Sites for CA are

S.No	Proposed CA Site	Forest Range	Status of Land	Total Site Area	(Approx) no of plant to be planted for CA	Equivalent CA area (1000 plants/ha)
1.	Kharak Minor	Kaithal	Non-Forest	1.02 Ha	1000	1.00 Ha
2.	Kailram Strip	Kaithal	Non-Forest	4.33 Ha	4300	4.30 Ha
3.	Naina Dones	Pundari	Non-Forest	2.26 Ha	1400	1.40 Ha
Total				7.61 Ha	6700	6.70 Ha

Note- No of plants given against each site are tentative and is subject to availability of land transferred to Forest Department free from all encumbrances and encroachment.

Area to be Afforested:-

a) Whether the site selected for Compensatory Afforestation is a land bank (Yes or Not : **No**

b) If the CA site is other than the land bank, reasons be given:-- site proposed by UA.

In case of non- forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: _____

i) Soil type : **Good**

ii) Topography :

(a) Hilly/Undulating/**Plain**

(b) Slope: Steep/Medium/**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 :-

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 4m spacing at the wage rate of Rs. 347.08 per day as under :-

Sr. No.	Year	Rate per Plant
1	Ist Year cost of afforestation	350.00/- Per Plant
2	IInd Year maintenance	87.99/- Per Plant
3	IIIrd Year maintenance	56.00/- Per Plant
4	IVth Year maintenance	10.00/- Per Plant
5	Vth Year maintenance	10.00/- Per Plant
6	VIth Year maintenance	10.00/- Per Plant
7	VIIth Year maintenance	10.00/- Per Plant
8	VIIIth Year maintenance	10.00/- Per Plant
9	IXth Year maintenance	10.00/- Per Plant
10	Xth Year maintenance	10.00/- Per Plant
	Total	563.99/-

Detail given in Annexure-I :-

Particular of the CA requirement for the Project	
Area to be diverted for the project @ Karnal Divn	39.57 ha
Area to be planted under normal CA for the project :-	39.57 ha
Plants to be Planted under normal CA for the project:-	39570 plants @ 1000 plants/ha
Additional C.A. to be done for the project in lieu of plants to be damaged :-	
Area to planted under Addl. CA for the project:- Total No. of plants to be planted (CA+Addl. CA) for the project :-	
Total Area to be planted (CA+Addl. CA) for the project :-	
Particulars of CA/Additional CA to be done at Kaithal Division	
Total Area to be planted under Normal CA in Kaithal	6.7 Ha
Plants to be planted under Normal CA in Kaithal	6700 (@1000 plants per Ha.) (on vacant patches of the land provided by UA)
Total CA +Addl CA to be carried out at CA sites in Kaithal	6.7 Ha
Balance CA+Addl. CA to done at other sites :-	

Sr. No.	Description	Area in Ha	Rate	Total Amount (Rs.)
A	**Compensatory Afforestation Charges**	**No. of Plants**		
	(1) 1st Year cost of afforestation	6,700	350.0/-Per Plant	23,45,000
	(2) 2nd year maintenance	6,700	88.0/-Per Plant	5,89,600
	(3) 3rd year maintenance	6,700	56.0/-Per Plant	3,75,200
	(4) 4th year maintenance	6,700	10.0/-Per Plant	67,000
	(5) 5th year maintenance	6,700	10.0/-Per Plant	67,000
	(6) 6th year maintenance	6,700	10.0/-Per Plant	67,000
	(7) 7th year maintenance	6,700	10.0/-Per Plant	67,000
	(8) 8th year maintenance	6,700	10.0/-Per Plant	67,000
	(9) 9th year maintenance	6,700	10.0/-Per Plant	67,000
	(10) 10th year maintenance	6,700	10.0/-Per Plant	67,000
	(11) Barbed wire fencing charges	20.0 RKM	2,00,000/-Per RKM	40,00,000
	Total Charges			76,09,600
	Supervisory/Overhead/ Misc. Charger	10% on the total CA charges		7,60,960
	Total (A) C.A. Charge			**85,56,680**
B	**Additional Compensatory Afforetation**			-
C	**Penal CA**			-
D	**Catchment Area Treatment Plan**			
	Soil & Moisture Conservation	30% of the total CA		25,11,168
	Total (D)			**25,11,168**

E	**Other Charges**			
	Demarcation of CA Land	L.S.	1,00,000 per site	3,00,000
	Dismantling of Old Structure	L.S.	Dismantling brick-lined channel @Naina Dhons and Kailram	15,00,000
	Land leveling and clearing of debris	L.S.	Naina Dhons and Kailram	6,00,000
	One room inspection hut for protection watcher	L.S.	3,00,000 per site	9,00,000
	Irrigation - for submersible/borewell	L.S.	5,00,000 per site	15,00,000
	Purchase of Machinery/Equipments			
	1 Tractor	L.S.	7.0 lac	7,00,000
	1 Trolly	L.S.	2.0 lac	2,00,000
	Cost of plantation watcher @ 2 person for 10 years	2*26*12*10* (min wage@347.08 + epf@13% + esi@3.25%)		25,17,718
	Total (E)			**82,17,718**
	Grand Total- Cost of CA at Kaithal (A+B+C+D+E) (Rs.-/)			**1,92,85,566**

2. **Technical details:-**

Technical details of fencing Compensatory Afforestation Scheme are as follows :-

a) General Details :- Tall Plants are to be planted. Fencing is to be done with 3 strand barb wire

b) Spacement :- 4x2.5 meter

c) Species :- Neem, Bakain, Papri, Jamun, Bar, Pipal, Suhajna 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 :- **(M&E)**

h) Any other information :- **Nil**

Place:- **Kaithal.**
Dated :- **17/07/2020.**

Deputy Conservator of Forest,
Kaithal Forest Division, Kaithal.

Deputy Conservator of Forest,
Kaithal Division, Kaithal.

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

Full Title of the Project: Diversion of 39.57 ha. Forest Land for Remodeling of Augmentation Canal from RD 0 to 75.250 KM (in Reach RD 58.700 Km to 75.250 Km) under forest division & Distt. Karnal, (Haryana).

File No. : **FP/HR/IRRIG/41469/2019.**

Date of Proposal : .....

CHECK LIST SERIAL NUMBER: - 18

"SCHEME FOR COMPENSATORY AFFORESTATION

Site Specific Scheme for Compensatory Afforestation in lieu of proposal for :- **Diversion of 39.57 ha. Forest Land for Remodeling of Augmentation Canal from RD 0 to 75.250 KM (in Reach RD 58.700 Km to 75.250 Km) under forest division & Distt. Karnal, (Haryana).**

Note: Due to non-availability of non-forest land for CA in Karnal Division in which forest land is proposed to be diverted, the CA scheme has been prepared on non-forest land to be transferred by User Agency in Jhajjar Division in village Dhandhlan and Ladain .

1. **Details of non-forest land: -**
   a. Abondoned Klin site at village Dhandhlan.
   b. Abondoned Klin site at village Dhandhlan
   c. Abondoned Ladain Rest House site at village Ladain

Details of area to be diverted:

Sr. No.	Division	Forest Area diverted (Ha)	CA Area (Ha) on equivalent non-forest land	Addl. CA (Ha) due	Total CA+ Addl CA (Ha)
1.	Karnal	39.57 ha.	6.631 ha.	0.00	6.631 ha.

Details of the Area to be afforested:

The Compensatory Afforestation will be carried out on non-forest land to be transferred to Forest Department in village Ladain Tehsil Matanhail and Dhandhlan in Tehsil Beri of District Jhajjar.

Description of land:

- Whether the site selected for Compensatory Afforestation is a land bank (Yes or No):- **No.**

  The land proposed for CA is non-forest land owned by User Agency in district Jhajjar in Village Ladain and Dhandhlan. The User Agency has agreed to transfer

- **this land to Forest Department for carrying out Compensatory Afforestation in lieu of diversion of forest land for non-forestry purposes.**
- If the CA site is other than the land bank, reasons are given: **The land proposed for CA is non-forest land owned by User Agency in district Jhajjar. The User Agency has agreed to transfer this land to Forest Department for carrying out Compensatory Afforestation in lieu of diversion of forest land for non-forestry purposes. The land will be notified as RF/PF by the Forest Department.**
- In case of Non-Forest area identified for CA, then what is the distance of CA site from adjoining forest boundary: **The land is adjacent to JLN which is notified protected forest.**
- Soil type: **The soil of the area is sandy-loam**
- Topography:
  a. Hilly/Undulating/Plain : Undulating to plain
  b. Slope: Steep/Medium/Gentle : Gentle
- Whether the area is bearing any root stock of vegetation: **The area in village Ladain is having 133 mature trees(No. of Eucalyptus 114, No. of Shisham 3 and No. of misc species 16) and area of Dhandhlan is infested with *Saccharum munja* grass and *Prosopis juliflora* bushes at some places. Some part of the land is under cultivation by local farmers.**

3. <u>Plantation Model:</u>

Forest Landscape Restoration model – Heavy soil working, adding of good organic manure and Plantation of local species with ten years maintenance will be required for complete restoration of the land and development it as good forest.

- Forest landscape restoration (FLR) is the on-going process of regaining ecological functionality and enhancing human well-being across deforested or degraded forest landscapes.
- FLR is more than just planting trees – it is restoring a whole landscape to meet present and future needs.
- It is long-term because it requires a multi-year vision of the ecological functions.

As per commitment made by India under Bonn Challenge, an area of 13 million ha of degraded land will be restored upto 2020 and another 13 million ha by 2030. The Bonn Challenge is ***a global effort to bring 150 million hectares of deforested and degraded land into restoration by 2020 and 350 million hectares by 2030.***

The Bonn Challenge is an ***implementation vehicle for national priorities*** such as water and food security and rural development while simultaneously helping countries contribute to the achievement of international climate change, biodiversity and land degradation commitments. Underlying the Bonn Challenge is the ***forest landscape restoration (FLR)*** approach, which aims ***to restore ecological integrity at the same time as improving human well-being through multifunctional landscapes***.

4. Technical details:

Technical details of Compensatory Afforestation Scheme are given below:

a. General details:

The proposed non-forest land where CA will be carried out is owned by User Agency (Irrigation Department, Haryana) in village Dhandhlan and Ladain , District Jhajjar, Haryana. The land will be transferred to Forest Department as equivalent land in lieu of diversion of forest land for non-forestry purposes in Karnal district. The land was earlier acquired by Irrigation Department for manufacturing Rest House and establishment of brick kiln which were required for construction of canals in the state. The land is lying as surplus land for User Agency which may be transferred to Forest Department. Some part of the land in village Ladain covered with 123 mature trees and in Dhandhlan some part of land is infested with bushes of *Prosopis juliflora* and *Saccharrum munja* grass. The land is undulated due to utilization of earth for manufacturing of bricks in the past. There will be need of leveling of land and uprooting of Munja grass and bushes of *P. juliflora*. The land is in degraded stage. The site photographs are given below:

Site Conditions

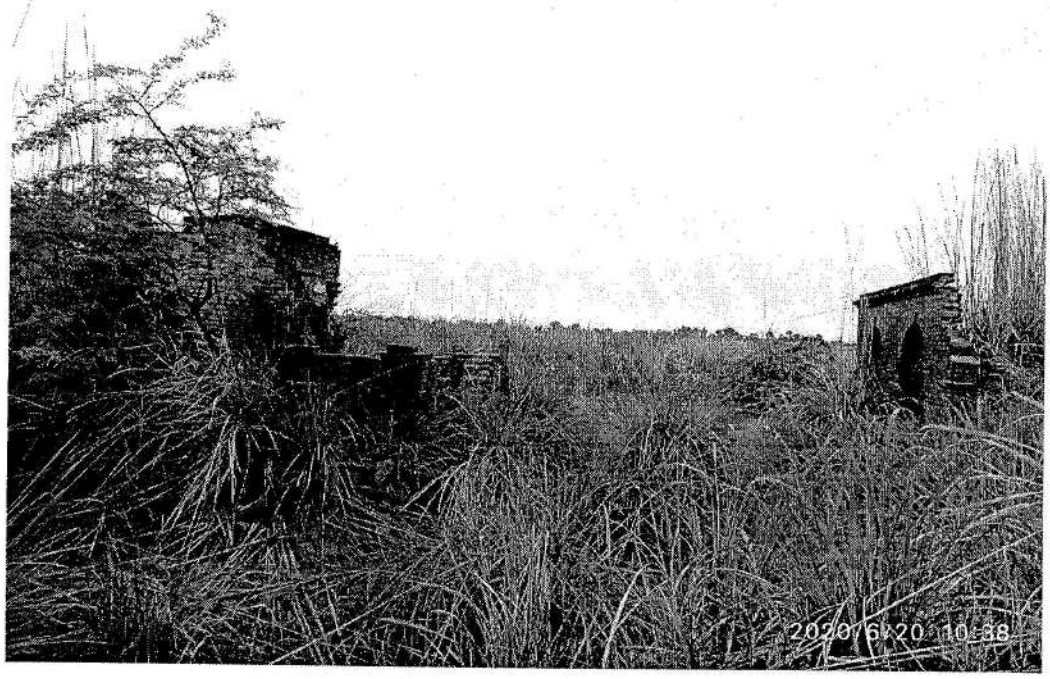

Photo of Abandoned Dhandhlan Rest House

Site Conditions

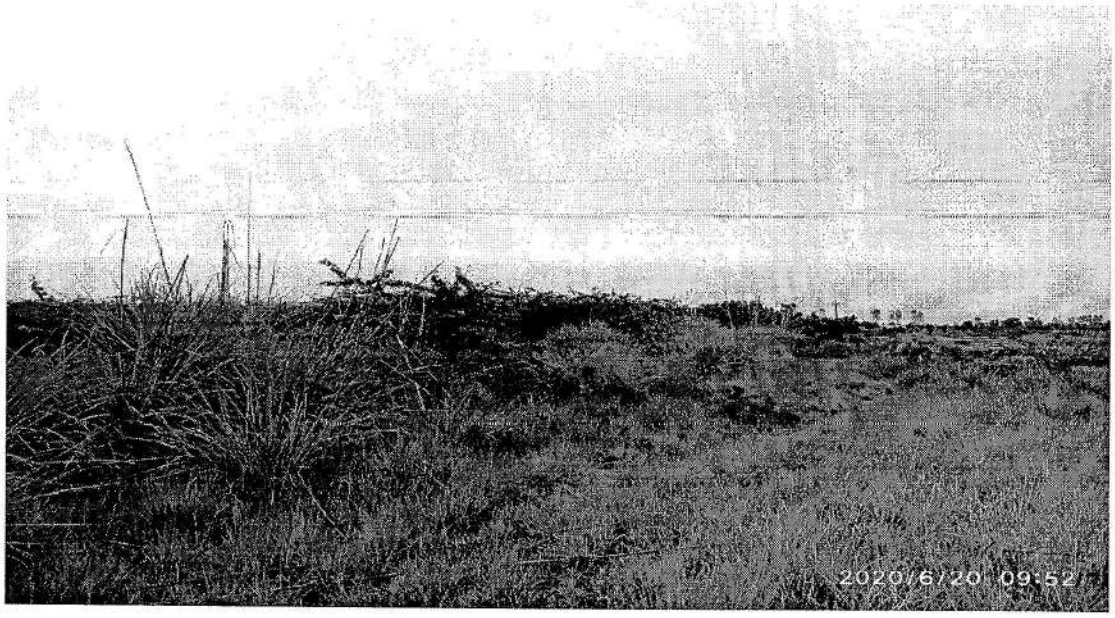

Photo of Abandoned Dhandhlan Brick Kiln

Site Conditions

Photo of Abandoned Ladain Rest House

b. Climatic and edaphic conditions:

The area is located in arid and semi-arid regions of the State. The winters are very cold and summers are very hot. The climatic conditions are also harsh and the annual average rainfall in the region is about 500 mm only. The site conditions are extremely degraded due to removal of top soil for manufacturing of bricks in the past. Therefore, to ensure survival of plantations to be raised under CA, it is prescribed that the plantation scheme should be site specific and it should not be generalized. Good soil working after leveling of the area will be required for restoration of the area.

c. Past System of Management:

The land was initially acquired by Irrigation Department for manufacturing of bricks and establishment of brick kiln which were required for construction of canals in the state. Presently, the land is lying as surplus land for User Agency which may be transferred to Forest Department. Some part of the land is under cultivation by farmers and rest is infested with bushes of *Prosopis juliflora* and *Saccharrum munja* grass. The land is undulated due to utilization of top earth for manufacturing of bricks in the past.

d. Survey & Demarcation and Closure of the area:

There is lot of biotic pressure in village Dhandhlan and Ladain. People used to allow their cattle to graze in open during summers and the rainy season. Therefore, closure of area with boundary wall will be required for protection of the area from encroachment by farmers for cultivation in future and protection of plantation from local cattle grazing. The boundary wall will be constructed with prefabricated RCC panels of size 6 ft x 6 ft and 3 inch thickness. The perimeter of the land to be restored is 1700 m i.e. 5585 ft including the area of gram panchayat in which waterbody will be created. The height of prefabricated RCC wall will be 6 ft. The total area in sq ft will be 33500 sq ft. RCC wall has been proposed instead of brick wall because the bricks have salt content and after sometime the plaster is washed out due to salt in bricks.

The present market rate for such walls is Rs. 200/- per sq ft. As the works under the proposal will be executed during 2021-22, the enhanced rate for boundary wall has been considered @ 250/- per sq ft +18% GST = Rs. 300/- per sq ft.

The cost of boundary wall will be Rs. 10050000. The survey and demarcation with DGPS of the area will cost about Rs. one lakhs. Therefore, a provision of Rs. **10150000** is proposed for this component. The sample photos of the boundary wall are annexed as **Annexure-I**. The area will be closed completely

e. Species Selection:

The site proposed for CA plain land earlier belonged to Gram Panchayat which was acquired by Irrigation Department. It may might be having good vegetation of local species, therefore, indigenous species belonging to the region will be given priority and 25% of total plants will be fruits plants suitable birds of the region. The tentative check list of species proposed under CA is given below:

Tree species:

i. Acacia leucophloea

ii. Acacia nilotica

iii. *Butea monosperma*
iv. *Holoptelia integrifloia*
v. *Zizypus mauritiana*
vi. *Albizia lebbeck*
vii. *Albizia procera*
viii. *Cassia fistula*
ix. *Cordia garaf*
x. *Ficus religiosa*
xi. *Ficus bengalensis*
xii. *Ficus glomerata*
xiii. *Morus alba*
xiv. *Tamarindus indica*
xv. *Bombax ceiba*
xvi. *Aegle marmalos*
xvii. *Prosopis cineraria*
xviii. *Tecomella undulata*
xix. *Embilica officinalis*
xx. *Moringa olifera*
xxi. *Melia azadirachta*
xxii. *Azadirachta indica*
xxiii. *Solvadora oleodies*
xxiv. *Manilkara hexandra*
xxv. *Tamarix aphylla*

The above tree species are commonly found in the adjoining area of the proposed land. Suitable tree species of medicinal value will also be added.

f. Plantation Method:

The plantation will carried out after uprooting of the *P. juliflora* bushes and munja grass. After that leveling of the area will be carried out with laser leveler and soil working will be done with deep mould bold plough and rotavator. The pits of size 1 m x 1m x 1m will be dug at a spacing of 3 x 3 m in scattered pattern. The pits will be filled with earth: sand: manure in equal ratio. The plantation will be carried out with tall plants of local species except the species of *Acacia (Vachellia)* genus. Plantation of 1000 plants per ha will be carried out during monsoon season of the year. Before carrying out plantation, closure of the area will be done and advance earth will be carried out.

Irrigation Method: Tubewell with drip or micro sprinkler will be installed for irrigating the plantation.

g.Installation of Submersible Borewell and Sprinkler system:

Submersible borewell of 12.5 HP will be installed for providing water to plants through drip/sprinkler system. The cost of borewell in the area is around 2.50 lakhs and the cost of installation of drip/sprinkler system as per Pradhan Mantri Sichai yajana is about 1.50 lakhs per ha. Therefore, the cost installation of borewell and sprinkler/drip system will be Rs. 8.50 lakhs for 4.00 ha.

Electric connection and accessories will be Rs. 1.50 lakhs.

The cost of running borewell and electricity bills and maintenance of irrigation systems and submersible pump will be about Rs. 1.50 lakhs per year. Therefore, total provision of Rs. 15.00 lakhs.

Therefore, a provision of **Rs. 25.00 lakhs** is being made under the scheme.

h. Purchase of machinery and Equipments:

One tractor for along with trolley and tanker will be purchased for filling water for in water holes. The provision under cost estimates @ Cost of machinery like tractors (1 nos.), trolley (1 nos.) and Trolley (01 nos.) has been made as per details under:

1. Cost of Tractor: Rs. 7.50 lakhs x 1 nos. = Rs. 7.50 lakhs
2. Cost of Trolley: Rs. 2.50 lakhs x 1 Nos. = Rs. 2.50 lakhs
3. Cost of Tanker: Rs. 2.50 lakhs x 1 Nos. = Rs. 2.50 lakhs

Total: Rs. 12.50 lakhs

A provision of Rs. 1.50 lakh is being made for training and pruning equipments. Total amount proposed under machinery and equipments is Rs. 14.00 lakhs.

i. Entry Point Activities and Joint Forest Management:

The proposed land belongs to the Gram Panchayat in the past and a small piece of about one hectare is still with the gram panchayat. Therefore, there is need to involve local people in the management and conservation of natural resources for sustainability. In externally aided projects, the staff used to visit the villages regularly and there was a connection between villagers and forest personnel. With the passage of time, this connection is missing day by day. There is need to revive the connection through executing Entry Point Activities in the project villages and involving them in resource management and conservation. Provision of Rs. 1.25 lakhs per ha i.e. 7.5 lakhs is proposed in the villages under Entry Point Activities (EPA) ensuring JFM.

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 2½m spacing at the wage rate of Rs. 347.08per day as under:-(inclusion with 10% per year for future maintenance cost Norms)

Year	Rate per Plant
1st Year cost of afforestation	Rs. 395 Per Plant
2nd Year maintenance	Rs. 138 Per Plant
3rd Year maintenance	Rs. 55 Per Plant
4th Year maintenance	Rs. 22 Per Plant
5th Year maintenance	Rs. 24 Per Plant
6th Year maintenance	Rs. 26 Per Plant
7th Year maintenance	Rs. 27Per Plant
8th Year maintenance	Rs. 28 Per Plant
9th Year maintenance	Rs. 30 Per Plant
10th Year maintenance	Rs. 32 Per Plant
Total	**Rs. 777.00**

Area to be Diverted : 39.57 ha.

No. of Trees to be felled : Nil

No. of Plants to be damaged : Nil

Area to be planted under normal CA : 6.511ha. (Double the area to be diverted)

Plants to be Planted under normal CA : 6511plants (@ 1000 plants per ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= Nil Plants

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

Total No. of plants to be planted (CA+Addl.CA) : 6511 plants

Total Area to be planted (CA+Addl.CA) : 6.511 Ha. (@ 1000 plants per ha.)

S.No	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	Compensatory Afforestation Charges	No. of Plant		
	(1) 1st Year cost of afforestation	6511	Rs. 395 Per Plant	2571845
	(2) 2nd Year maintenance	6511	Rs. 138 Per Plant	898518
	(3) 3rd Year maintenance	6511	Rs. 55 Per Plant	358105
	(4) 4th Year maintenance	6511	Rs. 22 Per Plant	143242
	(5) 5th Year maintenance	6511	Rs. 24 Per Plant	156264
	(6) 6th Year maintenance	6511	Rs. 26 Per Plant	169286
	(7) 7th Year maintenance	6511	Rs. 27Per Plant	175797
	(8) 8th Year maintenance	6511	Rs. 28 Per Plant	182308
	(9) 9th Year maintenance	6511	Rs. 30 Per Plant	195330
	(10) 10th Year maintenance	6511	Rs. 32 Per Plant	208352
	Total Charges			5059047

Place : Jhajjar

Divisional Forests Officer
Jhajjar Forest Division.

Details of funds to deposited for Compensatory Afforestation, Addl CA and associated components:

S. No	Description	Qty.	Rate (Rs.)	Total Amount (Rs.)
1.	**Compensatory Afforestation Charges**			
	Compensatory Afforestation and maintenance of 10 years for 6.521 ha	6.511	777000	5059047
2.	**Addl/Penal Compensatory Afforestation Charges**			
	Addl./Penal Compensatory Afforestation and maintenance of 10 years	0	475000	0
	Total of CA & Addl./Penal CA	6.511	777000	5059047
3.	Survey & Demarcation and construction of precast boundary wall	6.511	1558900	**10150000**
4.	Cost of machinery and equipments	6.511	215021	**1400000**
5.	Soil & Moisture Conservation works @ 30% of cost of CA & Addl.CA	6.511	233100	**1517714**
7.	Supervisory/Overhead/miscellaneous charges@ 10% of CA & Addl CA	6.511	77699	**505904**
8.	Installation of borewell and drip/sprinkler system and cost of running	6.511	383965	**2500000**
9.	Entry Point activities & JFM	6.511	115189	**750000**
	Grand Total			**21882665**

5. **Proposed Monitoring Mechanism:**

At Division and Circle level, DFO and Conservator will keep proper monitoring on the sites. Forest Department is also having its Monitoring & Evaluation (M&E) Wing for monitoring the success of plantations. Conservator, FCA- cum- Nodal Officer, Panchkula and the officers of Northern Regional Office of MoEF are the top agencies which will also be reviewing the success of plantations besides other senior officers of Forest Department. The cost of monitoring, evaluation and third party monitoring and evaluation will be met from the supervisory charges.

The Nodal Officer

Full Title of the Project : Diversion of 39.57 ha. of forest land for Remodeling of Augmentation Canal from RD 0 Km to 75.250 K.M (in Reach RD 58.700 KM to 75.250 KM) under Forest Division & Distt. Karnal, (Haryana).

File No. : FP/HR/IRRIG/41469/2019.

Date of Proposal : 04.08.2019

CHECK LIST SERIAL NUMBER: 18

"SCHEME FOR COMPENSATORY AFFORESTATION"

Name of the Forest/Reach to be diverted: Diversion of 39.57 ha. of forest land for Remodeling of Augmentation Canal from RD 0 Km to 75.250 K.M (in Reach RD 58.700 KM to 75.250 KM) under Forest Division & Distt. Karnal, (Haryana).

Forest Area = **39.57 Hect.**

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

Division :-	**Karnal**	District :-	**Karnal**
Tehsil:-	**Karnal/Indri**	Range :-	**Karnal/Indri**

C.A. Site name : NBK Link RD 87500 R/Side (3.27 Ha.), Old Kachwa Minor (3.66 Ha.),

Add. C.A Sit name :- "INDRI ESCAPE"

Area to be Afforested for CA & Add.CA in Karnal Division :- CA

CA **3660 + Add. CA 20000=23660/1000 = 23.66 Hect.**

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.**

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 (CA) will be carried out in Non Forest land provided by user agency & Add. CA will be carried out in Protected forest land (indri Escape).**

c) In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :-:- 0 to 0.5 K.M

C.A. will be carried out in non forest land NBK Link RD 87500 R/Side (3.27 Ha.), Old Kachhwa Minor (3.66 Ha.),

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:

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 2½m spacing at the wage rate of Rs. 347.08/- per day as under:- (with inclusion of 10% future cost)

Year	Rate per Plant
1st Year cost of afforestation	Rs. 395/- Per Plant
2nd Year maintenance	Rs. 138/- Per Plant
3rd Year maintenance	Rs. 55/- Per Plant
4th Year maintenance	Rs. 22/- Per Plant
5th Year maintenance	Rs. 24/- Per Plant
6th Year maintenance	Rs. 26/- Per Plant
7th Year maintenance	Rs. 27/- Per Plant
8th Year maintenance	Rs. 28/- Per Plant
9th Year maintenance	Rs. 30/- Per Plant
10th Year maintenance	Rs. 32/- Per Plant
Total	**Rs. 777/-**

Area to be Diverted :- **39.57 ha.**

No. of trees to be felled :- 6649

Plants to be damaged:- 10000

Plants to be planted (Ten time of the trees to be felled):-NA

Area to be Planted in Karnal Division CA+ Add. CA= 23.66 ha. = 23660 TP

Minimum Plants to be Planted:- CA-3660 + Add.CA - 20000=Total 23660 No.

CA RKM + Add. CA RKM Total = 23660/250 = 94.64 RKM

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) :-10000x2=20000TP

Sr. No.	DESCRIPTION		RATE	TOTAL AMOUNT (Rs.)
A	**Compensatory Afforestation Charges**	**No. of Plants**		
	(1) 1st Year cost of afforestation	3660 Plants	Rs. 395/- Per Plant	1445700
	(2) 2nd Year maintenance		Rs. 138/- Per Plant	505080
	(3) 3rd Year maintenance		Rs. 55/- Per Plant	201300
	(4) 4th Year maintenance		Rs. 22/- Per Plant	80520
	(5) 5th Year maintenance		Rs. 24/- Per Plant	87840
	(6) 6th Year maintenance		Rs. 26/- Per Plant	95160
	(7) 7th Year maintenance		Rs. 27/- Per Plant	98820
	(8) 8th Year maintenance		Rs. 28/- Per Plant	102480
	(9) 9th Year maintenance		Rs. 30/- Per Plant	109800
	(10) 10th Year maintenance		Rs. 32/- Per Plant	117120
	(11) Barbed wire fencing charge= **14.64 RKM**		Rs. 200000/- Per RKM	2928000
	Total Charges			**5771820**
	Supervisory /Overhead /Miscellaneous Charges		10% on the CA charges	577182
	Sub Total (A) Total C.A. Charges			**6349002**
B	**Already planted Plants Maintenance Cost**			
	(6) 6th Year maintenance	**1000 plants**	Rs. 26/- Per Plant	26000
	(7) 7th Year maintenance		Rs. 27/- Per Plant	27000
	(8) 8th Year maintenance		Rs. 28/- Per Plant	28000
	(9) 9th Year maintenance		Rs. 30/- Per Plant	30000
	(10) 10th Year maintenance		Rs. 32/- Per Plant	32000
	Barbed wire fencing charges= 13.08 RKM		Rs. 200000/- Per RKM	2616000
	Total			**2759000**
C	**Additional Compensatory Afforestation Charges plants**			
	(1) 1st Year cost of afforestation	20000 plants	Rs. 395/- Per Plant	7900000
	(2) 2nd Year maintenance		Rs. 138/- Per Plant	2760000
	(3) 3rd Year maintenance		Rs. 55/- Per Plant	1100000
	(4) 4th Year maintenance		Rs. 22/- Per Plant	440000
	(5) 5th Year maintenance		Rs. 24/- Per Plant	480000
	(6) 6th Year maintenance		Rs. 26/- Per Plant	520000
	(7) 7th Year maintenance		Rs. 27/- Per Plant	540000
	(8) 8th Year maintenance		Rs. 28/- Per Plant	560000
	(9) 9th Year maintenance		Rs. 30/- Per Plant	600000
	(10) 10th Year maintenance		Rs. 32/- Per Plant	640000
	Barbed wire fencing charge= **80 RKM**		Rs. 200000/- Per RKM	16000000
	Sub Total (B) Total Addl. C.A. Charges			**31540000**
D	Penal C.A.		-	NA

E	**Catchment Area Treatment**		
	Soil and Moisture Conservation charges	30% of the Total CA	1904701
	Sub Total (D)		**1904701**
F	Safety Zone		**NA**
G	**Additional Charges**		
	(Digital Demarcation & Drone Maping of land) Lumpsum		2000000
	Borewell Charges	@ 450000x2	900000
	2 Protection Watcher wages rate	@2(347.08*26*12*10)	1082890
	Sub Total (G)		**3982890**
H	Net Present Value of Forest Land to be diverted 39.57 Hect.	Rs. 887000/- per ha.	35098590
I	Felling charges = 4057.28m3	Rs.1400 /- per m^3	5680192
J	Plantation damage charges = NA	Rs. 236/- per plant	0
	Grand total (A+B+C+D+E+F+G+H+I+J) to be deposited in CAMPA Fund		**87314375**

2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

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

NBK Link RD 87500 R/Side (3.27 Ha.), Old Kachhwa Minor (3.66 Ha.) & Add. CA will be carried out at protected forest land " Indri Escape"

Note:-1000 Eucalyptus plants & 2500 Tree(plantation done by forest dptt. in year 2015-16) & 200 Natural growing Tree (Dalbergia Sissoo, Acacia Nilotica & Misc.) already exist at (NBK Link RD 87500 Non forest land(3.27 ha.) & 3.66 ha. area of old Kachwa minor will be available for plantation after the removal of encroachment.

b) Spacing:- 4x1/2 mtr 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 Officer
Divisional Forest Officer,
Karnal Forest Division
KARNAL

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

Diversion of 39.57 ha of forest land for Remodeling of Augmentation Canal From RD 0 KM to 75.250 KM (In reach RD 58.700- 75.250 KM) Under Forest Division & Distt. Karnal (Haryana) मार्किंग सूचि बाबत NBK Link RD 87500 R/Side Govt. Battha पर खडे वृक्ष बाबत FCA Case Proposel No. FP/HR/IRRIG/41469/2019 में उप वन संरक्षक करनाल के पत्र क0 589 दिनांक 13–07–2020 के अनुसार NBK Link RD 87500 R/Side Govt. Battha , करनाल साउथ बीट, ब्लॉक व रेंज करनाल।

S.No	Spp	Girth	Class	KM/RD	Side	Condition
1	Euc	30	V	87500	Right	GS
2	Euc	32	V	87500	Right	GS
3	Euc	34	V	87500	Right	GS
4	Euc	32	V	87500	Right	GS
5	Euc	31	V	87500	Right	GS
6	Euc	48	V	87500	Right	GS
7	Euc	53	V	87500	Right	GS
8	Euc	59	V	87500	Right	GS
9	Euc	63	IV	87500	Right	GS
10	Euc	44	V	87500	Right	GS
11	Euc	31	V	87500	Right	GS
12	Euc	35	V	87500	Right	GS
13	Euc	42	V	87500	Right	GS
14	Euc	48	V	87500	Right	GS
15	Euc	51	V	87500	Right	GS
16	Euc	34	V	87500	Right	GS
17	Euc	32	V	87500	Right	GS
18	Euc	31	V	87500	Right	GS
19	Euc	48	V	87500	Right	GS
20	Euc	90	III	87500	Right	GS
21	Euc	59	V	87500	Right	GS
22	Euc	68	IV	87500	Right	GS
23	Euc	44	V	87500	Right	GS
24	Euc	31	V	87500	Right	GS
25	Euc	35	V	87500	Right	GS
26	Euc	42	V	87500	Right	GS
27	Euc	48	V	87500	Right	GS
28	Euc	51	V	87500	Right	GS
29	Euc	70	IV	87500	Right	GS
30	Euc	44	V	87500	Right	GS
31	Euc	31	V	87500	Right	GS
32	Euc	35	V	87500	Right	GS
33	Euc	42	V	87500	Right	GS
34	Euc	48	V	87500	Right	GS
35	Euc	51	V	87500	Right	GS
36	Euc	34	V	87500	Right	GS

37	Euc	32	V	87500	Right	GS
38	Euc	31	V	87500	Right	GS
39	Euc	48	V	87500	Right	GS
40	Euc	95	III	87500	Right	GS
41	Euc	59	V	87500	Right	GS
42	Euc	88	IV	87500	Right	GS
43	Euc	44	V	87500	Right	GS
44	Euc	31	V	87500	Right	GS
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51	Euc	48	V	87500	Right	GS
52	Euc	53	V	87500	Right	GS
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54	Euc	67	IV	87500	Right	GS
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77	Euc	63	IV	87500	Right	GS
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388	Euc	48	V	87500	Right	GS
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435	Euc	48	V	87500	Right	GS
436	Euc	51	V	87500	Right	GS

437	Euc	34	V	87500	Right	GS
438	Euc	32	V	87500	Right	GS
439	Euc	31	V	87500	Right	GS
440	Euc	48	V	87500	Right	GS
441	Euc	102	III	87500	Right	GS
442	Euc	59	V	87500	Right	GS
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449	Euc	51	V	87500	Right	GS
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2295	Euc	67	IV	87500	Right	GS
2296	Euc	44	V	87500	Right	GS
2297	Euc	31	V	87500	Right	GS
2298	Euc	35	V	87500	Right	GS
2299	Euc	42	V	87500	Right	GS
2300	Euc	48	V	87500	Right	GS
2301	Euc	35	V	87500	Right	GS
2302	Euc	42	V	87500	Right	GS
2303	Euc	48	V	87500	Right	GS
2304	Euc	51	V	87500	Right	GS
2305	Euc	68	IV	87500	Right	GS
2306	Euc	44	V	87500	Right	GS
2307	Euc	31	V	87500	Right	GS
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2310	Euc	48	V	87500	Right	GS
2311	Euc	51	V	87500	Right	GS
2312	Euc	34	V	87500	Right	GS
2313	Euc	32	V	87500	Right	GS
2314	Euc	31	V	87500	Right	GS
2315	Euc	48	V	87500	Right	GS
2316	Euc	102	III	87500	Right	GS
2317	Euc	59	V	87500	Right	GS
2318	Euc	63	IV	87500	Right	GS
2319	Euc	44	V	87500	Right	GS
2320	Euc	31	V	87500	Right	GS
2321	Euc	35	V	87500	Right	GS
2322	Euc	30	V	87500	Right	GS
2323	Euc	32	V	87500	Right	GS
2324	Euc	34	V	87500	Right	GS
2325	Euc	32	V	87500	Right	GS
2326	Euc	48	V	87500	Right	GS
2327	Euc	92	III	87500	Right	GS
2328	Euc	59	V	87500	Right	GS
2329	Euc	63	IV	87500	Right	GS
2330	Euc	44	V	87500	Right	GS
2331	Euc	31	V	87500	Right	GS
2332	Euc	32	V	87500	Right	GS
2333	Euc	31	V	87500	Right	GS
2334	Euc	48	V	87500	Right	GS
2335	Euc	53	V	87500	Right	GS
2336	Euc	59	V	87500	Right	GS

2337	Euc	63	IV	87500	Right	GS
2338	Euc	44	V	87500	Right	GS
2339	Euc	31	V	87500	Right	GS
2340	Euc	35	V	87500	Right	GS
2341	Euc	42	V	87500	Right	GS
2342	Euc	48	V	87500	Right	GS
2343	Euc	51	V	87500	Right	GS
2344	Euc	34	V	87500	Right	GS
2345	Euc	32	V	87500	Right	GS
2346	Euc	31	V	87500	Right	GS
2347	Euc	48	V	87500	Right	GS
2348	Euc	99	III	87500	Right	GS
2349	Euc	59	V	87500	Right	GS
2350	Euc	63	IV	87500	Right	GS
2351	Euc	44	V	87500	Right	GS
2352	Euc	31	V	87500	Right	GS
2353	Euc	35	V	87500	Right	GS
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2358	Euc	44	V	87500	Right	GS
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2366	Euc	31	V	87500	Right	GS
2367	Euc	48	V	87500	Right	GS
2368	Euc	90	III	87500	Right	GS
2369	Euc	59	V	87500	Right	GS
2370	Euc	63	IV	87500	Right	GS
2371	Euc	44	V	87500	Right	GS
2372	Euc	31	V	87500	Right	GS
2373	Euc	35	V	87500	Right	GS
2374	Euc	30	V	87500	Right	GS
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2377	Euc	32	V	87500	Right	GS
2378	Euc	31	V	87500	Right	GS
2379	Euc	48	V	87500	Right	GS
2380	Euc	53	V	87500	Right	GS
2381	Euc	59	V	87500	Right	GS
2382	Euc	67	IV	87500	Right	GS
2383	Euc	44	V	87500	Right	GS
2384	Euc	31	V	87500	Right	GS
2385	Euc	35	V	87500	Right	GS
2386	Euc	42	V	87500	Right	GS

2387	Euc	48	V	87500	Right	GS
2388	Euc	35	V	87500	Right	GS
2389	Euc	42	V	87500	Right	GS
2390	Euc	48	V	87500	Right	GS
2391	Euc	51	V	87500	Right	GS
2392	Euc	68	IV	87500	Right	GS
2393	Euc	44	V	87500	Right	GS
2394	Euc	31	V	87500	Right	GS
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2401	Euc	31	V	87500	Right	GS
2402	Euc	48	V	87500	Right	GS
2403	Euc	96	III	87500	Right	GS
2404	Euc	59	V	87500	Right	GS
2405	Euc	63	IV	87500	Right	GS
2406	Euc	44	V	87500	Right	GS
2407	Euc	31	V	87500	Right	GS
2408	Euc	35	V	87500	Right	GS
2409	Euc	30	V	87500	Right	GS
2410	Euc	32	V	87500	Right	GS
2411	Euc	34	V	87500	Right	GS
2412	Euc	32	V	87500	Right	GS
2413	Euc	30	V	87500	Right	GS
2414	Euc	32	V	87500	Right	GS
2415	Euc	34	V	87500	Right	GS
2416	Euc	32	V	87500	Right	GS
2417	Euc	31	V	87500	Right	GS
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2419	Euc	53	V	87500	Right	GS
2420	Euc	59	V	87500	Right	GS
2421	Euc	78	IV	87500	Right	GS
2422	Euc	44	V	87500	Right	GS
2423	Euc	31	V	87500	Right	GS
2424	Euc	35	V	87500	Right	GS
2425	Euc	42	V	87500	Right	GS
2426	Euc	48	V	87500	Right	GS
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2428	Euc	34	V	87500	Right	GS
2429	Euc	32	V	87500	Right	GS
2430	Euc	31	V	87500	Right	GS
2431	Euc	48	V	87500	Right	GS
2432	Euc	102	III	87500	Right	GS
2433	Euc	59	V	87500	Right	GS
2434	Euc	79	IV	87500	Right	GS
2435	Euc	44	V	87500	Right	GS
2436	Euc	31	V	87500	Right	GS

2437	Euc	35	V	87500	Right	GS
2438	Euc	42	V	87500	Right	GS
2439	Euc	48	V	87500	Right	GS
2440	Euc	51	V	87500	Right	GS
2441	Euc	63	IV	87500	Right	GS
2442	Euc	44	V	87500	Right	GS
2443	Euc	31	V	87500	Right	GS
2444	Euc	35	V	87500	Right	GS
2445	Euc	42	V	87500	Right	GS
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2448	Euc	34	V	87500	Right	GS
2449	Euc	32	V	87500	Right	GS
2450	Euc	31	V	87500	Right	GS
2451	Euc	48	V	87500	Right	GS
2452	Euc	99	III	87500	Right	GS
2453	Euc	59	V	87500	Right	GS
2454	Euc	63	IV	87500	Right	GS
2455	Euc	44	V	87500	Right	GS
2456	Euc	31	V	87500	Right	GS
2457	Euc	35	V	87500	Right	GS
2458	Euc	30	V	87500	Right	GS
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2462	Euc	31	V	87500	Right	GS
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2464	Euc	53	V	87500	Right	GS
2465	Euc	59	V	87500	Right	GS
2466	Euc	67	IV	87500	Right	GS
2467	Euc	44	V	87500	Right	GS
2468	Euc	31	V	87500	Right	GS
2469	Euc	35	V	87500	Right	GS
2470	Euc	42	V	87500	Right	GS
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2473	Euc	42	V	87500	Right	GS
2474	Euc	48	V	87500	Right	GS
2475	Euc	51	V	87500	Right	GS
2476	Euc	68	IV	87500	Right	GS
2477	Euc	44	V	87500	Right	GS
2478	Euc	31	V	87500	Right	GS
2479	Euc	35	V	87500	Right	GS
2480	Euc	42	V	87500	Right	GS
2481	Euc	48	V	87500	Right	GS
2482	Euc	51	V	87500	Right	GS
2483	Euc	34	V	87500	Right	GS
2484	Euc	32	V	87500	Right	GS
2485	Euc	31	V	87500	Right	GS
2486	Euc	48	V	87500	Right	GS

2487	Euc	90	III	87500	Right	GS
2488	Euc	59	V	87500	Right	GS
2489	Euc	63	IV	87500	Right	GS
2490	Euc	44	V	87500	Right	GS
2491	Euc	31	V	87500	Right	GS
2492	Euc	35	V	87500	Right	GS
2493	Euc	30	V	87500	Right	GS
2494	Euc	32	V	87500	Right	GS
2495	Euc	34	V	87500	Right	GS
2496	Euc	32	V	87500	Right	GS
2497	Euc	31	V	87500	Right	GS
2498	Euc	48	V	87500	Right	GS
2499	Euc	92	III	87500	Right	GS
2500	Euc	59	V	87500	Right	GS

Abstract R/Side

Spp.	V	IV	III	IIA	IIB	IA	IB	TOTAL	T. Vol.
Euc.	2191	214	95	0	0	**0**	0	2500	399.23
Shisham	0	0	0	0	0	**0**	0	0	0
Kiker	0	0	0	0	0	**0**	0	0	0
Misc.	0	0	0	0	0	**0**	0	0	0
Total	**2191**	**214**	**95**	**0**	**0**	**0**	**0**	2500	399.23

नोट :- वर्ष 2015-16 के सीजन में 1200 पौधे पेड़ काटकर लगाये है

श्रीमान जी,

मैं तसदीक करता हूं कि यह मार्किंग लिस्ट मेनें स्वयं बनाई है। जिसकी लपेट व किस्म मौके अनुसार सही हैं। मार्किंग सूची आपकी सेवा में आवश्यक एवं आगामी कार्यवाही हेतू प्रेषित है।

Mahesh Kumar

वन राजिक अधिकारी (क्षे०)
करनाल

Divisional Forest Officer
Karnal Forest Division
KARNAL

Diversion of 39.57 ha of forest land for Remodeling of Augmentation Canal From RD 0 KM to 75.250 KM (In reach RD 58.700- 75.250 KM) Under Forest Division & Distt. Karnal (Haryana) मार्फत सूचि मामला NBK Link RD 87500 R/Side Govt. Battha पर खड़े वृक्ष मामला FCA Case Proposel No. FP/HR/IRRIG/41469/2019 मे उप वन संरक्षक करनाल के पत्र क्र0 589 दिनांक 13-07-2020 के अनुसार NBK Link RD 87500 R/Side Govt. Battha - करनाल सरोवर बीट, ब्लॉक व रेंज करनाल।

S.No	Spp	Girth	Class	KM/RD	Side	Condition
1	Kiker	90	III	87500	Right	GS
2	Kiker	99	III	87500	Right	GS
3	Shisham	44	V	87500	Right	GS
4	Dek	99	III	87500	Right	GS
5	Daak	124	IIA	87500	Right	GS
6	Pipal	128	IIA	87500	Right	GS
7	Musket	128	IIA	87500	Right	GS
8	Ben	89	IV	87500	Right	GS
9	Kiker	102	III	87500	Right	GS
10	Daak	118	III	87500	Right	GS
11	Shisham	54	V	87500	Right	GS
12	Dek	108	III	87500	Right	GS
13	Shisham	68	IV	87500	Right	GS
14	Dek	89	IV	87500	Right	GS
15	Daak	149	IIA	87500	Right	GS
16	Pipal	98	III	87500	Right	GS
17	Musket	108	III	87500	Right	GS
18	Ben	90	III	87500	Right	GS
19	Kiker	142	IIA	87500	Right	GS
20	Daak	147	IIA	87500	Right	GS
21	Aam	108	III	87500	Right	GS
22	Musket	122	IIA	87500	Right	GS
23	Ben	68	IV	87500	Right	GS
24	Kiker	129	IIA	87500	Right	GS
25	Daak	142	IIA	87500	Right	GS
26	Shisham	78	IV	87500	Right	GS
27	Dek	86	IV	87500	Right	GS
28	Shisham	69	IV	87500	Right	GS
29	Dek	65	IV	87500	Right	GS
30	Daak	121	IIA	87500	Right	GS
31	Pipal	170	IIB	87500	Right	GS
32	Musket	125	IIA	87500	Right	GS
33	Ben	84	IV	87500	Right	GS
34	Kiker	169	IIB	87500	Right	GS
35	Daak	118	III	87500	Right	GS
36	Kiker	99	III	87500	Right	GS
37	Kiker	102	III	87500	Right	GS
38	Shisham	78	IV	87500	Right	GS
39	Dek	88	IV	87500	Right	GS

40	Shisham	95	III	87500	Right	GS
41	Aam	124	IIA	87500	Right	GS
42	Musket	114	III	87500	Right	GS
43	Shisham	69	IV	87500	Right	GS
44	Kiker	108	III	87500	Right	GS
45	Daak	121	IIA	87500	Right	GS
46	Shisham	88	IV	87500	Right	GS
47	Neem	124	IIA	87500	Right	GS
48	Shisham	78	IV	87500	Right	GS
49	Dek	112	III	87500	Right	GS
50	Shisham	98	III	87500	Right	GS
51	Kiker	124	IIA	87500	Right	GS
52	Kiker	126	IIA	87500	Right	GS
53	Kiker	178	IIB	87500	Right	GS
54	Kiker	93	III	87500	Right	GS
55	Daak	125	IIA	87500	Right	GS
56	Shisham	58	V	87500	Right	GS
57	Musket	109	III	87500	Right	GS
58	Beri	99	III	87500	Right	GS
59	Kiker	142	IIA	87500	Right	GS
60	Shisham	69	IV	87500	Right	GS
61	Shisham	88	IV	87500	Right	GS
62	Dek	99	III	87500	Right	GS
63	Shisham	82	IV	87500	Right	GS
64	Shisham	56	V	87500	Right	GS
65	Daak	138	IIA	87500	Right	GS
66	Pipal	141	IIA	87500	Right	GS
67	Musket	102	III	87500	Right	GS
68	Shisham	84	IV	87500	Right	GS
69	Kiker	118	III	87500	Right	GS
70	Daak	121	IIA	87500	Right	GS
71	Neem	89	IV	87500	Right	GS
72	Jamun	99	III	87500	Right	GS
73	Musket	132	IIA	87500	Right	GS
74	Neem	90	III	87500	Right	GS
75	Shisham	108	III	87500	Right	GS
76	Shisham	114	III	87500	Right	GS
77	Shisham	118	III	87500	Right	GS
78	Shisham	78	IV	87500	Right	GS
79	Kiker	124	IIA	87500	Right	GS
80	Kiker	119	III	87500	Right	GS
81	Kiker	125	IIA	87500	Right	GS
82	Kiker	142	IIA	87500	Right	GS
83	Shisham	85	IV	87500	Right	GS
84	Shisham	83	IV	87500	Right	GS
85	Shisham	68	IV	87500	Right	GS
86	Kiker	134	IIA	87500	Right	GS
87	Kiker	154	IIB	87500	Right	GS
88	Shisham	78	IV	87500	Right	GS
89	Dek	86	IV	87500	Right	GS
90	Daak	119	III	87500	Right	GS
91	Pipal	155	IIB	87500	Right	GS
92	Musket	104	III	87500	Right	GS

93	Beri	102	III	87500	Right	GS
94	Kiker	129	IIA	87500	Right	GS
95	Daak	141	IIA	87500	Right	GS
96	Shisham	84	IV	87500	Right	GS
97	Shisham	75	IV	87500	Right	GS
98	Shisham	87	IV	87500	Right	GS
99	Shisham	81	IV	87500	Right	GS
100	Daak	155	IIB	87500	Right	GS
101	Aam	148	IIA	87500	Right	GS
102	Musket	108	III	87500	Right	GS
103	Beri	108	III	87500	Right	GS
104	Kiker	136	IIA	87500	Right	GS
105	Daak	124	IIA	87500	Right	GS
106	Pipal	124	IIA	87500	Right	GS
107	Musket	125	IIA	87500	Right	GS
108	Beri	114	III	87500	Right	GS
109	Kiker	118	III	87500	Right	GS
110	Daak	131	IIA	87500	Right	GS
111	Shisham	99	III	87500	Right	GS
112	Neem	88	IV	87500	Right	GS
113	Shisham	76	IV	87500	Right	GS
114	Kiker	114	III	87500	Right	GS
115	Kiker	134	IIA	87500	Right	GS
116	Kiker	125	IIA	87500	Right	GS
117	Musket	141	IIA	87500	Right	GS
118	Beri	98	III	87500	Right	GS
119	Kiker	99	III	87500	Right	GS
120	Daak	118	III	87500	Right	GS
121	Kiker	102	III	87500	Right	GS
122	Kiker	102	III	87500	Right	GS
123	Shisham	69	IV	87500	Right	GS
124	Dek	79	IV	87500	Right	GS
125	Kiker	93	III	87500	Right	GS
126	Kiker	98	III	87500	Right	GS
127	Kiker	94	III	87500	Right	GS
128	Beri	88	IV	87500	Right	GS
129	Kiker	121	IIA	87500	Right	GS
130	Daak	104	III	87500	Right	GS
131	Shisham	85	IV	87500	Right	GS
132	Dek	88	IV	87500	Right	GS
133	Shisham	76	IV	87500	Right	GS
134	Dek	99	III	87500	Right	GS
135	Daak	126	IIA	87500	Right	GS
136	Pipal	165	IIB	87500	Right	GS
137	Aam	112	III	87500	Right	GS
138	Daak	135	IIA	87500	Right	GS
139	Beri	68	IV	87500	Right	GS
140	Beri	79	IV	87500	Right	GS
141	Jamun	108	III	87500	Right	GS
142	Kiker	113	III	87500	Right	GS
143	Kiker	141	IIA	87500	Right	GS
144	Shisham	73	IV	87500	Right	GS
145	Dek	119	III	87500	Right	GS

146	Daak	129	IIA	87500	Right	GS
147	Aam	124	IIA	87500	Right	GS
148	Musket	138	IIA	87500	Right	GS
149	Beri	99	III	87500	Right	GS
150	Kiker	112	III	87500	Right	GS
151	Daak	124	IIA	87500	Right	GS
152	Shisham	78	IV	87500	Right	GS
153	Neem	125	IIA	87500	Right	GS
154	Shisham	65	IV	87500	Right	GS
155	Dek	109	III	87500	Right	GS
156	Daak	117	III	87500	Right	GS
157	Pipal	168	IIB	87500	Right	GS
158	Musket	128	IIA	87500	Right	GS
159	Beri	92	III	87500	Right	GS
160	Kiker	119	III	87500	Right	GS
161	Daak	114	III	87500	Right	GS
162	Aam	109	III	87500	Right	GS
163	Musket	169	IIB	87500	Right	GS
164	Beri	109	III	87500	Right	GS
165	Kiker	115	III	87500	Right	GS
166	Daak	115	III	87500	Right	GS
167	Shisham	68	IV	87500	Right	GS
168	Dek	112 .	III	87500	Right	GS
169	Shisham	91	III	87500	Right	GS
170	Kiker	116	III	87500	Right	GS
171	Kiker	142	IIA	87500	Right	GS
172	Kiker	155	IIB	87500	Right	GS
173	Musket	135	IIA	87500	Right	GS
174	Beri	118	III	87500	Right	GS
175	Kiker	169	IIB	87500	Right	GS
176	Daak	118	III	87500	Right	GS
177	Kiker	127	IIA	87500	Right	GS
178	Kiker	113	III	87500	Right	GS
179	Shisham	102	III	87500	Right	GS
180	Neem	93	III	87500	Right	GS
181	Daak	123	IIA	87500	Right	GS
182	Pipal	167	IIB	87500	Right	GS
183	Shisham	97	III	87500	Right	GS
184	Dek	98	III	87500	Right	GS
185	Shisham	118	III	87500	Right	GS
186	Shisham	90	III	87500	Right	GS
187	Shisham	86	IV	87500	Right	GS
188	Shisham	82	IV	87500	Right	GS
189	Shisham	95	III	87500	Right	GS
190	Shisham	68	IV	87500	Right	GS
191	Shisham	85	IV	87500	Right	GS
192	Shisham	87	IV	87500	Right	GS
193	Kiker	151	IIB	87500	Right	GS
194	Musket	168	IIB	87500	Right	GS
195	Beri	94	III	87500	Right	GS
196	Kiker	128	IIA	87500	Right	GS
197	Shisham	68	IV	87500	Right	GS
198	Kiker	116	III	87500	Right	GS

199	Kiker	119	III	87500	Right	GS
200	Kiker	122	IIA	87500	Right	GS

Abstract R/Side

Spp.	V	IV	III	IIA	IIB	IA	IB	TOTAL	T. Vol.
Euc.	0	0	0	0	0	0	0	0	0
Shisham	4	34	12	0	0	0	0	50	11.84
Kiker	0	0	25	19	6	0	0	50	47.6
Misc.	0	15	43	34	8	0	0	100	80.87
Total	4	49	80	53	14	0	0	200	140.31

श्रीमान जी,

मैं तसदीक करता हूं कि यह मार्किंग लिस्ट मेनें स्वयं बनाई है। जिसकी लपेट व किस्म मौके अनुसार सही हैं। मार्किंग सूची आपकी सेवा में आवश्यक एवं आगामी कार्यवाही हेतू प्रेषित है।

Mahesh Kumar

वन राजिक अधिकारी (क्षे०)
करनाल

Divisional Forest Officer
Karnal Forest Division
KARNAL