

वन विभाग, हरियाणा सरकार,
कार्यालय वन मण्डल अधिकारी, कुरुक्षेत्र
वन परिसर, पिपली, कुरुक्षेत्र, फोन नं०/फैक्स-०१७४४-२३०७४३
E-mail-dfo.kkr-hry@nic.in

क्रमांक: 727

दिनांक 25.06.2020

सेवा में

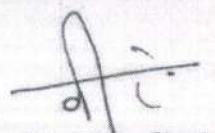
वन मण्डल अधिकारी
यमुनानगर

विषय: Diversion of 22.94 Hec. Of Forest Land for the construction of parallel link channel in District Yamunanagar Haryana.

संदर्भ: Superintendent Engineer Hathnikund Barrage Circle Jagadhari के कार्यालय का पत्र क्रमांक 3691-93/56W दिनांक 24.06.2020

उपरोक्त विषय के संबंध में पी०एल०सी० के निर्माण से संबंधित साईट की सूचना साथ संलग्न आगामी आवश्यक कार्यवाही हेतु प्रेषित है।

संलग्न / यथोपरि



वन मण्डल अधिकारी
कुरुक्षेत्र

Full Title of the Project: DIVERSION OF 22.94 HECT. OF FOREST LAND FOR PARALLEL LINED CHANNEL (PLC) PROJECT FROM RD 0 (DADUPUR HEAD) TO 68220 (HAMIDA HEAD) IN DISTT. YAMUNA NAGAR, HARYANA
File No.: FP/HR/IRRIG/40972/2019

Date of Proposal :

CHECK LIST SERIAL NUMBER: 17
LOCATION MAP

Location Map of Non Forest/Degraded Forest Area identified for Compensatory Afforestation in lieu of proposal for DIVERSION OF 22.94 HECT. OF FOREST LAND FOR PARALLEL LINED CHANNEL (PLC) PROJECT FROM RD 0 (DADUPUR HEAD) TO 68220 (HAMIDA HEAD) IN DISTT. YAMUNA NAGAR, HARYANA

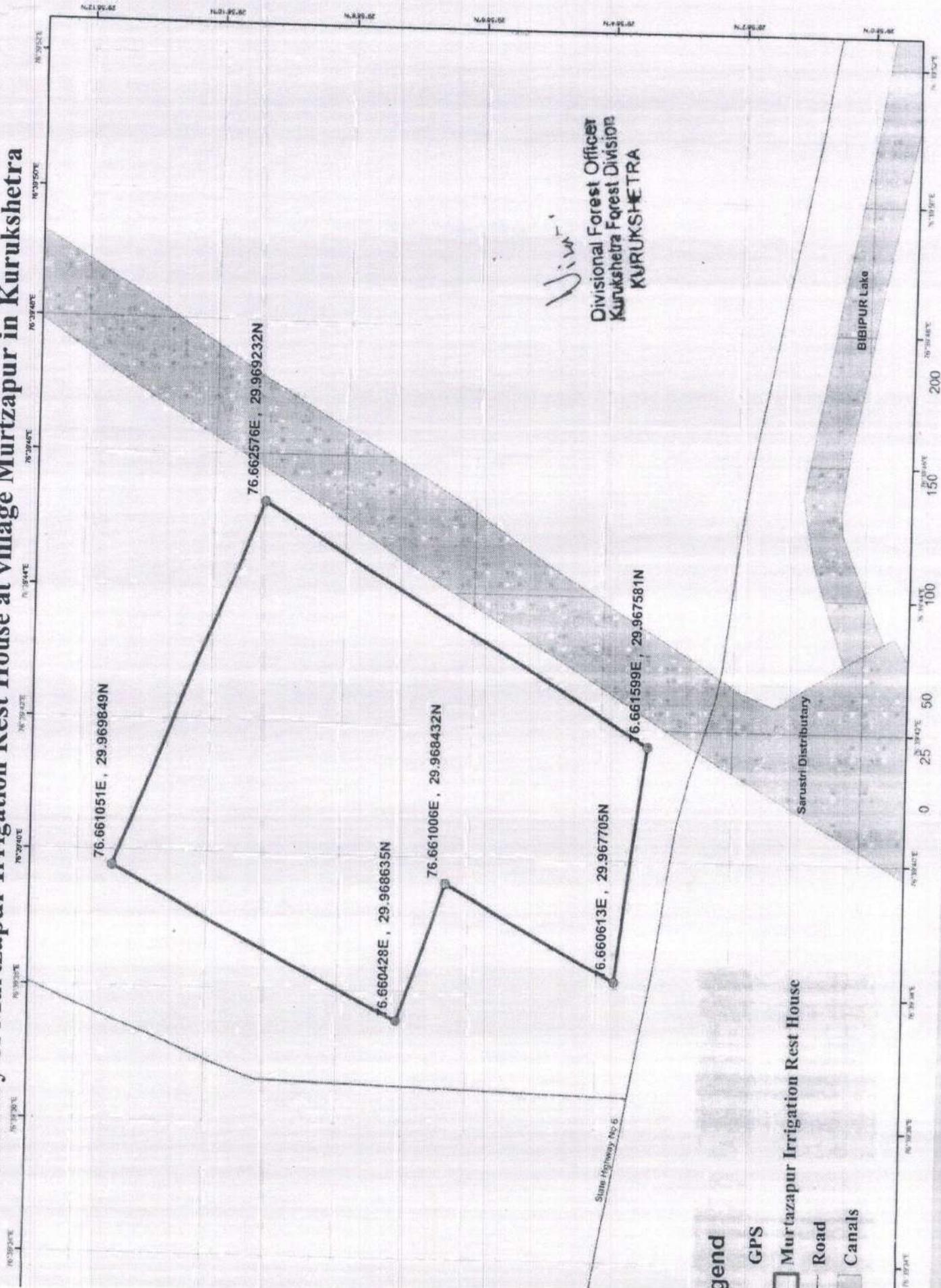
Village: **Murtzapur** Tehsil **Pehowa** District: **Kurukshtera** Forest Division
Kurukshtera Forest Range:- **Pehowa** Block No./Compartment No./Survey No.: - **Boundary of Murtzapur Irrigation Rest House at Village Murtzapur**

Map attached

Area to be taken for Compensatory Afforestation

Niru.
Divisional Forest Officer
Kurukshtera Forest Division
Kurukshtera Forest Division
KURUKSHETRA
Kurukshtera

Boundary of Murtzapur Irrigation Rest House at village Murtzapur in Kurukshetra



Full title on the Project: DIVERSION OF 22.94 HECT. OF FOREST LAND FOR PARALLEL LINED CHANNEL (PLC) PROJECT FROM RD 0 (DADUPUR HEAD) TO 68220 (HAMIDA HEAD) IN DISTT. YAMUNA NAGAR, HARYANA

File No.: FP/HR/IRRIG/40972/2019

Date of Proposal :

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

Name of the Forest/Reach to be diverted :

Full Title of the Project: DIVERSION OF 22.94 HECT. OF FOREST LAND FOR PARALLEL LINED CHANNEL (PLC) PROJECT FROM RD 0 (DADUPUR HEAD) TO 68220 (HAMIDA HEAD) IN DISTT. YAMUNA NAGAR, HARYANA Forest Area =2.89..... ha. (Village Murtzapur Teh. Pehowa Distt. Kurukshetra)

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

Division & District Kurukshetra

Tehsil & Range Pehowa

C.A. Site name : Murtzapur

Area to be Afforested:-

- a) Whether the site selected for Compensatory Afforestation is a Land bank (yes or No.) : No
- b) If the CA site is other than the land bank, reason be given :- **There is no land bank available in district Kurkushetra**

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

- i. Soil type: Sandy Loam
- ii. Topography a) Hilly/Undulating/Plain : Plain
 b) Slope :- Steep/Medium/Gentle: Gentle
- iii. Whether the area is bearing any root stock of vegetation:- No

Plantation Model:-

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

1. **Schedule of Plantation Programme :-**

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

The plantation cost is calculated for Tall Plantation norms at $4m \times 2\frac{1}{2}m$ spacing at the wage rate of Rs. 326/- per day as under :-

					In ha
Sr. No.	DESCRIPTION	RATE	Per	TOTAL AMOUNT (Rs.)	
A	Compensatory Afforestation Charges	No. of Plants			
	(1) 1st Year Cost of Afforestation	2890	359.10	Per Plants	1037799
	(2) 2nd Year Maintenance		115.35	Per Plants	333362
	(3) 3rd Year Maintenance		41.89	Per Plants	121062
	(4) 4th Year Maintenance		15.58	Per Plants	45026
	(5) 5th Year Maintenance		15.58	Per Plants	45026
	(6) 6th Year Maintenance		15.58	Per Plants	45026
	(7) 7th Year Maintenance		15.58	Per Plants	45026
	(8) 8th Year Maintenance		15.58	Per Plants	45026
	(9) 9th Year Maintenance		15.58	Per Plants	45026
	(10) 10th Year Maintenance		15.58	Per Plants	45026
	(11) Barbed wire fencing charges (in Rkm)	11.56	76700	Per Rkm.	886652
	Total Charges				2694058
	Supervisory / Overhead / Miscellaneous Charges		10% on the total CA charges		269406
	Total (A) CA Charges				2963464
B	Additional Compensatory Afforestation Charges				
	(1) 1st Year Cost of Afforestation	0	359.10	Per Plants	0
	(2) 2nd Year Maintenance		115.35	Per Plants	0
	(3) 3rd Year Maintenance		41.89	Per Plants	0
	(4) 4th Year Maintenance		15.58	Per Plants	0
	(5) 5th Year Maintenance		15.58	Per Plants	0
	(6) 6th Year Maintenance		15.58	Per Plants	0
	(7) 7th Year Maintenance		15.58	Per Plants	0
	(8) 8th Year Maintenance		15.58	Per Plants	0
	(9) 9th Year Maintenance		15.58	Per Plants	0
	(10) 10th Year Maintenance		15.58	Per Plants	0
	(11) Barbed wire fencing charges (in Rkm)	0	76700	Per Rkm.	0
	Total (B) Addl. CA Charges				0

C	Catchment Area Treatment (if required)			
	Soil Moisture Conservation (SMC) work		30% on the total CA charges	889039
	Total (C)			
D	Safety Zone (if required)			0
E	Additional Charges (if required)			0
	-----			0
	-----			0
	Total (D+E)			
F	Net Present value of Forest Land to be diverted	887000	Per ha.	0
G	Felling charges = m ³	0.00	1200	m ³
	Grand Total (A+B+C+D+E+F+G) to be deposited in CAMPA Fund			
				3852503

5. Technical details:-

Technical detail of Compensatory Afforestation Scheme are as follows:-

- a) General Detail:- Plantation will be done with 3 strand barbed wire in
- b) Spacing:- 4 x 2½ metre
- c) Species:- Neem, Bakain, Papri etc.
- d) Plantation method:- Tall Plantation
- e) Soil and Moisture Conservation work:- 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

Virendra

Place:- Kurukshetra

Divisional Forest Officer,
Kurukshetra Forest Division,
Kurukshetra

Date:-

Note:- CF (T) should counter sign this CA scheme if Area to be afforested is more than 5 hact.

Full title on the Project : DIVERSION OF 22.94 HECT. OF FOREST LAND FOR PARALLEL LINED CHANNEL (PLC) PROJECT FROM RD 0 (DADUPUR HEAD) TO 68220 (HAMIDA HEAD) IN DISTT. YAMUNA NAGAR, HARYANA

File No. : FP/HR/IRRIG/40972/2019

Date of Proposal:

CHECK LIST SERIAL NUMBER: 20

"LAND SUITABILITY CERTIFICATE BY DFO (T)"

This is to certify that **2.89 Ha.** land bearing Survey No./ Compartment No. **Murtzapur** of village **Murtzapur** Tehsil **Pehowa** District **Kurukshestra** identified for Compensatory Afforestation is suitable for plantation from management point of view and is free and all sorts of encumbrances and encroachments

Place: Kurukshestra

Dated:

Vinu
Divisional Forest Officer
Divisional Forest Officer
Kurukshestra Forest Division,
Kurukshestra Forest Division,
KURUKSHETRA
Office Seal.....

12.6 मा

वन विभाग हरियाणा

कार्यालय : उप वन संरक्षक, कैथल वन मण्डल, कैथल

फायर ब्रिगेड के सामने, नजदीक पेहवा चौक, कैथल-136027, फोन व फैक्स & 01746 & 228095 E-mail - dfo.ktl-hry@nic.in

क्रमांक :- 1160

दिनांक :- 26/06/2020 /

सेवा में,

वन मण्डल अधिकारी, (सौ),
यमुनानगर।

विषय :- Diversion of 22.94 Ha. of Forest Land for the construction of Parallel Lined Channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in District Yamuna Nagar, Haryana.
FP/HR/IRRIG/40972/2019.

:-

उपरोक्त विषय के सम्बन्ध में उक्त प्रस्ताव की सी0ए0 स्कीम^१ तैयार करके भूमि उपयुक्तता प्रमाण पत्र, डी0जी0पी0एस0 मैप व के0एम0एल0 फाईल सहित साथ संलग्न आपको आगामी आवश्यक कार्यवाही हेतु भेजी जाती है।

संलग्न / उपरोक्त।

उप वन संरक्षक,
कैथल।

Full Title of the Project: -

Diversion of 22.94 Ha. of Forest Land for the construction of Parallel Lined Channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in District Yamuna Nagar, Haryana.

File No :- FP/HR/IRRIG/40972/2019.

Date of Proposal:- 26/06/2020

CHECK LIST SERIAL NUMBER: 17

"Location Map"

Name of the Forest/Reaches to be diverted:-

Diversion of 22.94 Ha. of Forest Land for the construction of Parallel Lined Channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in District Yamuna Nagar, Haryana.
Forest Area = 22.94 Ha.

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.

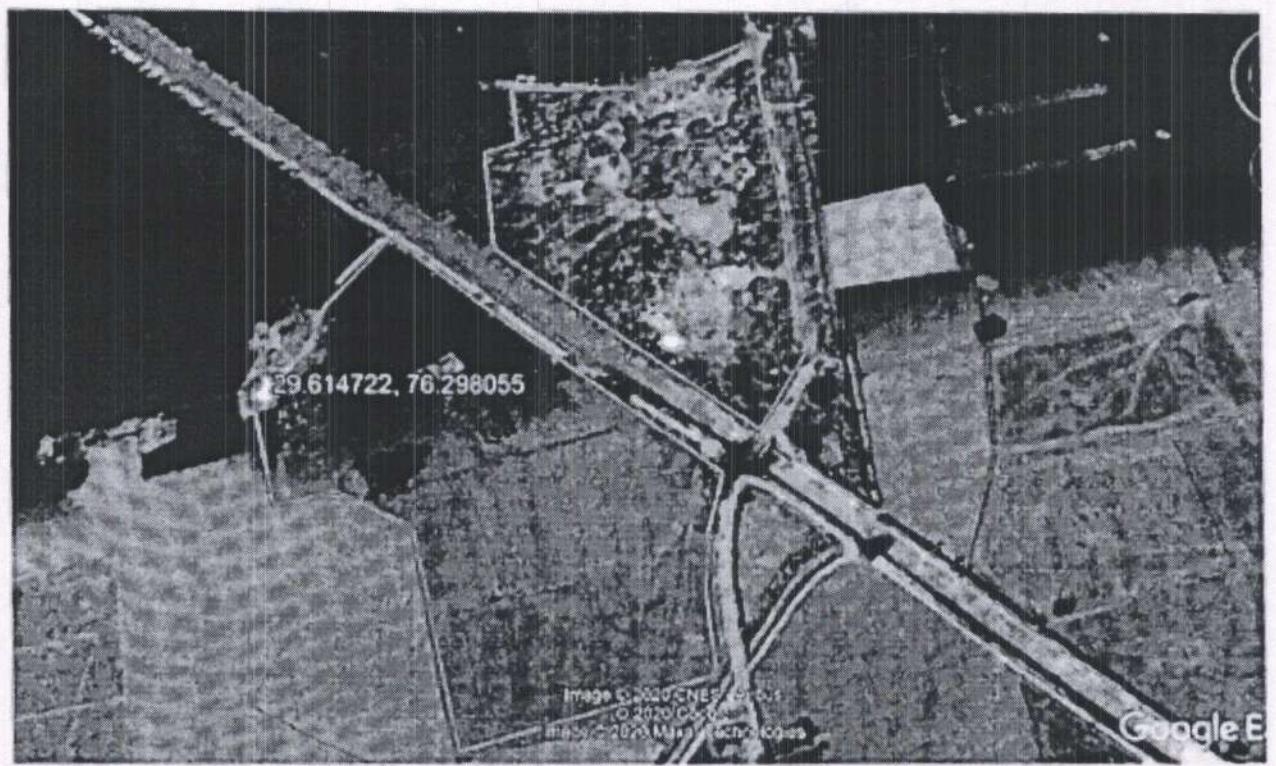
User Agency has proposed to provide equivalent non forest land at Village Batta, Mandwal, Badsikri, Kurar & Bhanpura located at Kaithal of Kaithal Forest Division and which is currently in abandoned state. The land shall be used torads partial fulfillment of CA/Additional CA obligation of the UA

It may be noted that strips of land on either side of water course at Bhanpur Minor have been notified as Protected Forest vide Notification No. S.O.41 C.A. 16/27/S.29/72 dated 3rd March, 1972. The UA has proposed to transfer remaining area (Area of the abandoned water course) for carrying out CA.

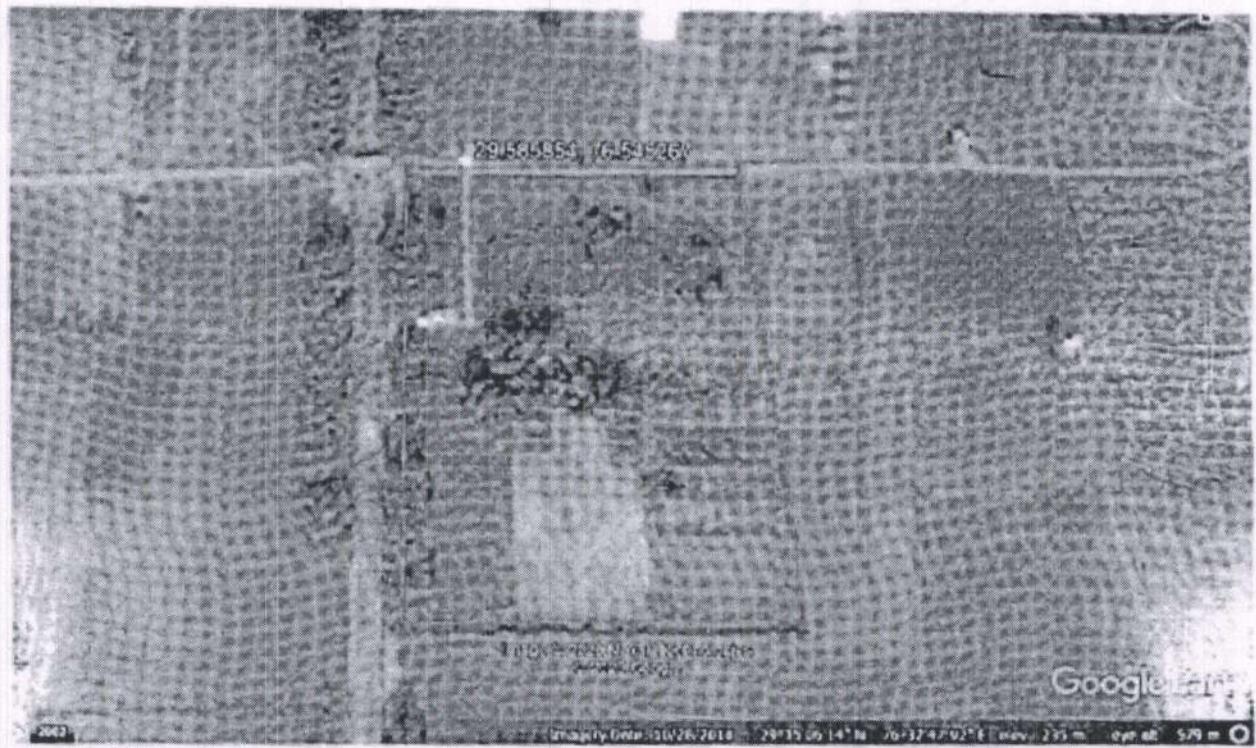
As per revenue records, the width of the Bhanpur Minor is 55 ft. Width of the strip that would be made available for CA/Addl CA after dismantling water channel structure would be about 20 ft. The total length of the minor is about 12000 ft. Thus , the total area that would be available for CA/Addl CA is ~ 2.16 ha or say 2.1 ha. The sites proposed to carry out the CA are as under-



Kurad Rest House (4 Ha.)



Badsikri (5.7 Ha.)



Mandwal RH (2 Ha.)



Batta Kothi (Land Title under Litigation-Therefore Not suitable for CA as mutation in the name of Forest Dept could not be done) (2.13 Ha.)



Proposed Sites for CA are

S.No	Name of Village	Forest Range	Lat-Long	Area
1.	Kurar	Kaithal	29.723573° N, 76.211286° E 29.723584° N, 76.210827° E 29.726274° N, 76.212313° E 29.725837° N, 76.212511° E 29.725519° N, 76.209992° E	54K-12M (~2.7 Ha)
2.	Mandwal	Pundri	29.584395° N, 76.546429° E 29.584393° N, 76.545142° E 29.585867° N, 76.545056° E 29.585852° N, 76.546315° E	39K-15M (~ 2.0 Ha)
3.	Badsikri	Kaithal	Rest house- 29.616524° N, 76.298961° E 29.616300° N, 76.299844° E 29.615251° N, 76.299903° E 29.615240° N, 76.298832° E 29.614729° N, 76.298573° E 29.614700° N, 76.297923° E 29.615403° N, 76.297227° E Brick klin- 29.617380° N, 76.296412° E 29.616141° N, 76.296365° E 29.616104° N, 76.296753° E 29.615917° N, 76.296769° E 29.615844° N, 76.297428° E 29.616747° N, 76.298793° E 29.617064° N, 76.298424° E	113K-15M (~5.7 Ha)
4.	Barot	Kaithal	29.866943° N, 76.521985° E 29.866065° N, 76.521065° E 29.865508° N, 76.520907° E 29.865858° N, 76.520323° E 29.867385° N, 76.520344° E 29.866373° N, 76.519865° E	~5.5 Acre (~2.2 Ha)
5	Bhanpura (Bhanpura Minor)	Kaithal	29.793610° N, 76.331743° E 29.791873° N, 76.333277° E 29.779718° N, 76.333342° E 29.767030° N, 76.317209° E	~2.10ha
Total				~14.7 Ha

The site at Kurar also has old building structures as well as few patches of naturally grown vegetation. However, the UA has proposed to provide vacant area admeasuring about 54 kanal 12 marla for plantation at Kurar. Thus total area available for CA plantation at all the 5 sites would be 14.7 Ha.

Full Title of the Project: -

Diversion of 22.94 Ha. of Forest Land for the construction of Parallel Lined Channel (PLC) Project -from RD 0 (Dadupur Head) to 68220 (Hamida Head) in District Yamuna Nagar, Haryana.

File No :- FP/HR/IRRIG/40972/2019.

Date of Proposal:- 26/06/2020.

CHECK LIST SERIAL NUMBER: 18

" Scheme for CA"

Forest Area:- Nil

Division	Kaithal	District	Kaithal
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C.A. Site Name :

S.No	Name of Village	Forest Range	Status of Land	(Approx) Vacant Area available for plantation	(Approx) no of plant to be planted at 4mtr*2.5mtr spacing
1.	Kurar	Kaithal	Non-Forest	2.7 Ha	2700
2.	Mandwal	Pundri	Non-Forest	2.0 Ha	2000
3.	Badsikri	Kaithal	Non-Forest	5.7 Ha	5700
4.	Barot	Kaithal	Non-Forest	2.2 Ha	2200
5.	Bhanpur (Bhanpur Minor)	Kaithal	Non-Forest*	2.10 Ha	2100
Total				14.7 Ha	14700

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.

- * Strips of land on either side of water course at Bhanpur Minor have been notified as Protected Forest vide Notification No. S.O.41 C.A. 16/27/S.29/72 dated 3rd March, 1972. The UA has proposed to transfer remaining area (Area of the abandoned water course).

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

- * Further, it is clarified that the non-forest land being proposed by the UA is of the abandoned water-channel. The strips of land on both side of the water channel have already been notified as PF. At present unused/abandoned brick lined structure of water-channel is lying there which needs to be dismantled and leveled before undertaking CA.

a) Whether the site selected for Compensatory Afforestation is a land bank (Yes or Not : No, Non Forest Land proposed to be transferred to Forest Department.

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: N/A

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 4.0m x 2.5m 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	IIInd 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 :-

Area to be planted under normal CA :- 22.94 Ha.

Plants to be Planted under normal CA:- 22,940 Plants (@ 1000 plants per Ha.)

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged) = 3,500 Plants

Area to planted under Addl. CA :- 3.5 Ha. @ 1000 plants per Ha.)

Total No. of plants to be planted (CA+Addl. CA) :- 26,440 Plants

Total Area to be planted (CA+Addl. CA) :- 26.440 Ha. (@1000 plants per Ha.)

Total Area to be planted under Normal CA in Kaithal :- $12.6+2.1 = 14.7$ Ha.

Plants to be planted under Normal CA in Kaithal :- $12,600+2100 = 14700$ (@1000 plants per Ha.)

Balance CA+Addl. CA to done at other sites :- 11.74 Ha. (@1000 plants per Ha.)

11,740 Plants.

Sr. No.	Description	Area in Ha	Rate	Total Amount (Rs.)
A	Compensatory Afforestation Charges	No. of Plants		
(1)	1 st Year cost of afforestation	14,700	350.0/-Per Plant	5145000
(2)	2 nd year maintenance	14,700	88.0/-Per Plant	1293600
(3)	3 rd year maintenance	14,700	56.0/-Per Plant	823200
(4)	4 th year maintenance	14,700	10.0/-Per Plant	147000
(5)	5 th year maintenance	14,700	10.0/-Per Plant	147000
(6)	6 th year maintenance	14,700	10.0/-Per Plant	147000
(7)	7 th year maintenance	14,700	10.0/-Per Plant	147000
(8)	8 th year maintenance	14,700	10.0/-Per Plant	147000
(9)	9 th year maintenance	14,700	10.0/-Per Plant	147000
(10)	10 th year maintenance	14,700	10.0/-Per Plant	147000
(11)	Barbed wire fencing charges	9.0 RKM	2,00,000/-Per RKM	1800000
	Total Charges			1,00,90,800
	Supervisory/Overhead/ Misc. Charger		10% on the total CA charges	10,09,080
	Total (A) C.A. Charge			11099880
B	Additional Compensatory Afforestation			
C	Penal CA			
D	Catchment Area Treatment Plan			
	Soil & Moisture Conservation		30% of the total CA	33,29,964
	Total (D)			33,29,964
E	Other Charges			
	Demarcation of CA Land	L.S.	1,00,000 per site	5,00,000
	Demolition & Removal of Old building structure	L.S.	at Mandwal	3,00,000
	Demolition & Removal of Old building structure	L.S.	at Barot	3,00,000
	Demolition & Removal of Old building structure	L.S.	at Bhanpura	12,00,000
	Land leveling and clearing of debris	L.S.	at Badsikri	1,00,000
	Land leveling and clearing of debris	L.S.	at Bhanpura	3,00,000
	One room inspection hut for protection watcher	L.S.	3,00,000 per site	15,00,000
	Irrigation - for submersible/borewell	L.S.	5,00,000 per site	25,00,000
	Purchase of Machinery/Equipments			
	2 Tractor	L.S.	7 lac	18,50,000
	1 Trolley	L.S.	2 lac	
	1 Tanker	L.S.	2.5 lac	
	Cost of plantation watcher	4*26*12*10* (min wage@ 347.08 + epf@ 13% + esi@ 3.25%)		50,35,436

	Total (E)			1,35,85,436
	Grand Total- Cost of CA(A+B+C+D+E) (Rs.-/-)			2,80,15,280
F	Net Present Value of Forest To be Diverted *	22.94 ha	8,87,000 Rs./Ha.	2,03,47,780
G	Felling Charges *	11304.286 cum		1,58,26,000
	Grand Total - Amount to be paid by UA (A+B+C+D+E+F+G) (Rs.-/-)			6,41,89,060

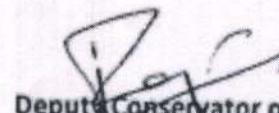
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2. **Technical details:-**

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

- a) General Details :-
- 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 :- 26/06/2020.


Deputy Conservator of Forest,
Kaithal Forest 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 22.94 Ha. of Forest Land for the construction of Parallel Lined Channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in District Yamuna Nagar, Haryana.

File No :- FP/HR/IRRIG/40972/2019.

Date of Proposal:- 26/06/2020.

CHECK LIST SERIAL NUMBER: 20

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 2.2 Ha. land bearing Survey No./ Compartment No. of village Barot Tehsil Kaithal District Kaithal identified for Compensatory Afforestation and proposed for mutation in favour of Forest Department is suitable for undertaking plantation from management point of view.

Place :- Kaithal


Deputy Conservator of Forest,
Deputy Conservator of Forest,
Kaithal Forest Division.

Dated : 26/06/2020.

Office Seal.....

Full Title of the Project :-

Diversion of 22.94 Ha. of Forest Land for the construction of Parallel Lined Channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in District Yamuna Nagar, Haryana.

File No :- FP/HR/IRRIG/40972/2019.

Date of Proposal:- 26/06/2020.

CHECK LIST SERIAL NUMBER: 20

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that **2.75 Ha.** land bearing Survey No./ Compartment No. of village **Kurar** Tehsil **Kaithal** District **Kaithal** identified for Compensatory Afforestation and proposed for mutation in favour of Forest Department is suitable for undertaking plantation from management point of view.

Place :- Kaithal

Dated : 26/06/2020.


**Deputy Conservator of Forest,
Deputy Conservator of Forest,
Kaithal Forest Division.**

Office Seal.....

Full Title of the Project: -

Diversion of 22.94 Ha. of Forest Land for the construction of Parallel Lined Channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in District Yamuna Nagar, Haryana.

File No :- FP/HR/IRRIG/40972/2019.

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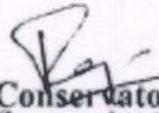
CHECK LIST SERIAL NUMBER: 20

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 2.0 Ha. land bearing Survey No./ Compartment No. of village **Mandwal** Tehsil **Pundri** District **Kaithal** identified for Compensatory Afforestation and proposed for mutation in favour of Forest Department is suitable for undertaking plantation from management point of view.

Place :- Kaithal

Dated : 26/06/2020.


**Deputy Conservator of Forest,
Deputy Conservator of Forest,
Kaithal Forest Division.**

Office Seal.....

Full Title of the Project: -

Diversion of 22.94 Ha. of Forest Land for the construction of Parallel Lined Channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in District Yamuna Nagar, Haryana.

File No :- FP/HR/IRRIG/40972/2019.

Date of Proposal:- 26/06/2020.

CHECK LIST SERIAL NUMBER: 20

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 5.25 Ha. land bearing Survey No./ Compartment No. of village **Badsikri Tehsil Kaithal District Kaithal** identified for Compensatory Afforestation and proposed for mutation in favour of Forest Department is suitable for undertaking plantation from management point of view.

Place :- Kaithal

Dated : 26/06/2020.

**Deputy Conservator of Forest,
Kaithal Forest Division.**

Office Seal.....

Full Title of the Project: -

Diversion of 22.94 Ha. of Forest Land for the construction of Parallel Lined Channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in District Yamuna Nagar, Haryana.

File No :- FP/HR/IRRIG/40972/2019.

Date of Proposal:- 26/06/2020.

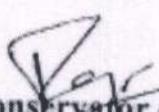
CHECK LIST SERIAL NUMBER: 20

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 2.1 Ha. land bearing Survey No./ Compartment No. _____ of village **Bhanpura** Tehsil **Kaithal** District **Kaithal** identified for Compensatory Afforestation and proposed for mutation in favour of Forest Department is suitable for undertaking plantation from management point of view after dismantling of old structure and leveling of land

Place :- Kaithal

Dated : 27/06/2020.


**Deputy Conservator of Forest,
Deputy Conservator of Forest,
Kaithal Forest Division,
Office Seal.....**

(१०.४६८९)

वन विभाग, हरियाणा सरकार
कार्यालय उप वन संरक्षक, सिरसा

हिसार बाइपास रोड, सिरसा

दूरभाष नं० 01666 243307

E.Mail Address: forest_sirsa@yahoo.com & dfo.sir-hry@nic.in

क्रमांक: ५९३

दिनांक: २९-०६-२०२०

सेवा में

वन मण्डल अधिकारी,
यमुनानगर ।

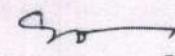
Sub: **Diversion for Parallel lined channel (PLC)
Project from RD 0 (Dadupur Head) to 68220
(Hamida Head) in Distt. Yamuna Nagar, Haryana.**

Online Proposal No FP/HR/IRRIG/40972/2019

सन्दर्भ: आपका दूरभाष सन्देश दिनांक 25.06.2020

उपरोक्त विषय के सम्बन्ध में सन्दर्भाकिंत पत्रों द्वारा उक्त केस की सी०ए० स्कीम इस वन मण्डल द्वारा बनाए जाने हेतू कहा गया है । उपरोक्त केस से सम्बन्धित **CA Scheme, KML** आगामी आवश्यक कार्यवाही हेतू सलंगन प्रेषित है ।

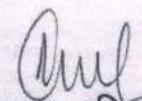
सलंगन/यथो०


वन मण्डल अधिकारी,
जीन्द ।

पृ० क्रमांक: ५९५-९६ दिनांक: २९-०६-२०२०

एक प्रति निम्नलिखित को सूचनार्थ प्रेषित है :-

- मुख्य वन संरक्षक, एफ०सी०ए० हरियाणा, पंचकूला
- मुख्य वन संरक्षक, उत्तरी परिमण्डल, अम्बाला
- मुख्य वन संरक्षक, पश्चिमी परिमण्डल, हिसार


वन मण्डल अधिकारी,
जीन्द ।

Title of the Project: Diversion for Parallel lined channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in Distt. Yamuna Nagar, Haryana.

File No.: FP/HR/IRRIG/40972/2019

Date of Proposal:

CHECK LIST SERIAL NUMBER-17

LOCATION MAP

Location map of degraded forest area identified for CA in lieu of (under FCA-1980) proposal for **Diversion for Parallel lined channel (PLC)** Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in Distt. Yamuna Nagar, Haryana.

Detail of Non-Forest Land area

S.N	Name of village	Khewat no.	Khasra no.	Area(A-K-M)	Length
01.	Ramkali Brick Kiln Area	48	85/1, 9/1, 9/2/2, 10/1, 10/2/2, 11, 12/1, 12/2, 19, 20/1, 20/2, 21/1, 22/1, 22/2	3.37 Hect.	Block Forest
02.	Ramkali Kothi area	48	71/26	2.04	Block Forest
03	Kalwan Minor	2 KM		2.4 Hect	2 KM
04	Ghaso Minor	0.82 KM		0.64 Hect.	0.82 KM
5	TBS Minor	1 KM		1.39 Hect	2 KM
6	Kheri Saffa	1 KM		0.62 Hect	1 KM
Total				10.46 hect	

The User Agency is ready to provide equivalent non-forest land in various villages of district Jind, Haryana for CA as well as for CA. Therefore, CA and Additional CA will be carried out partially on the same pieces of non-forest land to be provided by UA.





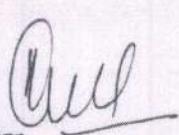


Further it is clarified that these non-forest lands are abandoned kothi, sites of Brick kiln as well as naturally grown vegetated patch on the land of Irrigation Department, these lands are lying as surplus land with UA which can be transferred to Forest Department. These lands have pre-existing vegetation. The trees standing on these lands shall be adjusted against CA. In this Case, Total 5.41 hec. Land is with already with pre-existing vegetation and rest 5.05 ha. Is available for fresh CA in form of abundant minors. Either side of water course Plus inspection path (service road) is already Protected Forest in which trees are already standing . Non-Forest in shape of water course and inspection path (Now Abundant) will be transferred to forest department for CA between the protection forest. This land is available for Fresh CA between the Protected Forest. Plantation on this strip will be done under Ridge mode as per norms attached.

Since, total 16400 no. of saplings are to be planted under CA. In total 6 patches non-forest land of different nature as described in above para, shall be used for CA. Out of these 6 patches of land, 2 patches {including both in Ramkali village Brick Kiln Area 3.37 ha and Ramkali Kothi Area 2.04 ha. Totaling 5.41 ha. is already under vegetation containing **5400 No. of plants, shall be adjusted against CA of 16400 plants. The total no. of saplings pole size crop more than 30 cm girth are around 5400.** The estimation has been carried out on random sampling method as well as direct counting. Plots of 10 m x 10 m were laid out for reaching out to this estimation. Therefore, **it is proposed to carry out the plantation of (16400-5400) 11000 saplings under CA whereas Silvicultural operations like trimming, pruning and singling of naturally grown will be carried out for 5400 saplings/small trees to give them the shape of trees within the maintenance period of 10 years.**

Place:

Date:


Signature
Divisional Forest Officer,
Namjind Forest Division,
Jind
Office Seal

Title of the Project: Diversion for Parallel lined channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in Distt. Yamuna Nagar, Haryana.

File No.: FP/HR/IRRG/40972/2019

Date of Proposal:

CHECK LIST SERIAL NUMBER:-18

"SCHEME FOR C.A."

Forest Area - Nil

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

Division: Sirsa

District: Sirsa

C.A. Sites name:

Sr. No.	Name Of Village	Longitude	Status of land	Vacant area available (approx.) in Acre	Approx. No. of plants to be planted under CA
01.	Ramkali Brick Kiln Area		Non-forest land	8.32 (3.366 ha)	Already Existing
02.	Ramkali Kothi Area		-Do-	5.02 Acre (2.03 ha)	Already Existing
03.	Kalwan Abandant Mr.		-Do-	2.4 ha.	
04	Ghaso Minor		-Do-	0.64 Hect.	
5	TBS Minor			1.39 Hect	
6	Kheri Saffa			0.62 Hect	
			Grand Total	10.46 hect.	

**Note-The no. of plants given against sites is tentative and approximate only subject to the land demarcation.*

Area to be Afforested :10.46 ha.

a) Whether the site selected for Compensatory Afforestation is a Land bank: (No) The land proposed for CA is non-forest land owned by User Agency in district Jind in various villages of Jind district. 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-forest purposes.

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: The soil of the area is 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:- **Ridge 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 Pit Plants on Ridge norms at 2 x 2 spacing as under:-

Estimated cost of planting and maintenance of 5400 plants for next 10 years (@Rs1298.92/- plant)

Forest Area to be Diverted .	
No. of Trees to be felled :	
No. of Plants to be damaged :	
Addl C.A. in lieu of plants to be damaged =	
Area to be planted under normal CA :	10.46 ha.
Plants to be Planted under normal CA :	16400 nos. (@1000 plants per ha. at 2X2 m.spacing) on ridge on vacant patches in non-forest lands to be provided by U/A(detail in table)
No. of trees & plants already existing on non-forest land to be provided by U/A being off-setted against Addl. CA= (As per Para 2.4 (ix), Chapter-2 of Handbook of FCA,1980 Guidelines 2019)	5400 nos. is equal to 5.4 ha
Remaining Addl. CA work to be done on degraded forest land (16400-5400=11000)	(@ 1000 plants per ha)
Total No. of plants to be planted (CA)	11000
Total Area to be planted (CA) :	10.46 ha. (@ 1000 plants per RKM on double ridge) Details given in above

CA Scheme

	Description	Area in Ha.	Rate	Total Amt. (Rs.)
A	Net Present Value of Forest Land to be diverted		Rs. 8.87 Lacs per Ha	
B	Compensatory afforestation Charges	No. of plants		
(1)	1st Year cost of afforestation	11000	797.29	8770190
(2)	2nd Year maintenance	11000	177.46	1952060
(3)	3rd Year maintenance	11000	83.89	922790
(4)	4th Year maintenance	11000	25.33	278630
(5)	5th Year maintenance	11000	27.86	306407
(6)	6th Year maintenance	11000	30.65	337150
(7)	7th Year maintenance	11000	33.71	370810
(8)	8th Year maintenance	11000	37.08	407880
(9)	9th year maintenance	11000	40.79	448690
(10)	10th Year maintenance	11000	44.87	493570
(11)	Barbed wire fencing charge	12 RKM	Rs.200000/- RKM	2400000
	Total C.A. Charges (B)		Total	16688230
	Supervisory/Overhead /Miscellaneous Charges		10% on the total CA charges	1668823
	Total C.A. Charges (B+C)		Total	18357053
C	Catchment Area Treatment Plan (Soil and Moisture Conservation)		30% of Total CA	5507116
D	Additional Compensatory afforestation			
(1)	1st Year cost of afforestation	0	419.97	0
(2)	2nd Year maintenance	0	134.82	0
(3)	3rd Year maintenance	0	48.98	0
(4)	4th Year maintenance	0	18.21	0
(5)	5th Year maintenance	0	18.21	0
(6)	6th Year maintenance	0	18.21	0
(7)	7th Year maintenance	0	18.21	0
(8)	8th Year maintenance	0	18.21	0
(9)	9th year maintenance	0	18.21	0
(10)	10th Year maintenance	0	18.21	0
(11)	Barbed wire fencing charge	0	Rs. 200000/-RKM	0
	Total Addl. CA Charges			0
	Supervisory/Overhead/ Miscellaneous Charges		10% on the total Addl. CA charges	0
	Total Add. C.A. Charges			0
E	Catchment Area Treatment Plan (Soil and Moisture Conservation)		30% of Total CA	0
F	Silvi-cultural operations in Addl. CA			
(4)	4th Year maintenance	5400	18.21	98334
(5)	5th Year maintenance	5400	18.21	98334
(6)	6th Year maintenance	5400	18.21	98334
(7)	7th Year maintenance	5400	18.21	98334
(8)	8th Year maintenance	5400	18.21	98334
(9)	9th year maintenance	5400	18.21	98334

(10) 10th Year maintenance	5400	18.21	98334
(11) Chain link fencing	1.5	900000	1350000
Total Addl. CA charges			2038338
Supervisory/Overhead/ Miscellaneous Charges		10% on the total Addl. CA charges	203834
Total			
G Catchment Area Treatment Plan (Soil and Moisture Conservation)		30% of Total CA	2242172 672652
H Felling charges Volume (M3)	0	Rs. 1400/- per M3	0
I Any other charges.			
(1) Survey & Demarcation with DGPS	6	100000/- per Site	600000
(2) Demolition & removal of building debris/waste	1	300000/- per Site	300000
(3) Boundary water recharging trench for Soil Moisture retention	0	100000/- per CA site	0
(4) One room inspection hut for protection watcher	2	500000/- per site	1000000
(5) Irrigation by Submersible Borewell/ subsurface irrigation/ Sprinkler system	2	500000/- per site	1000000
(6) Purchase of Machinery and Equipments	2 bolero camper	Cost of bolero camper=15 lakhs	1500000
(7) One Patrolling vehicle for protection bolero camper (MUV/SUV 4X4)	1 Mahindra Scorpio	Cost @ 15 lakhs	1500000
(8) Cost of plantation watcher@one person each patch 2 person.	8 persons *26 days*12 months	624 man days per year @ of minimum wage rate	8281808
Grand Total (A+B+C+D+E+F+G+H+I) to be deposited in CAMPA fund			4096080/-

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:-

2 x 2 meter

c) Species:-

Eucalyptus etc.

d) Plantation Method :-

Pitt Planting

e) Soil and Moisture Conservation Works: As per Scheme.

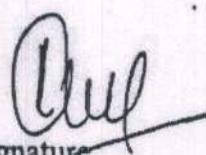
f) Protection (Fencing, Watchman, People's Participation etc.):- Patrolling, Fencing & Protection watchers.

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

h) Any Other information:- Nil

Place: Jind

Date:


Signature
Rohtash Birthal, HFS
DFO, Jind

**Cost Statement for Clonal Eucalyptus/Seed Plantation (Ridge Planting) under NPV during the year 2020-21
at a Wage Rate of Rs. 347.08/-**

No. of plants per RKM = 1000, spacing = 2 mtr. plant to plant on double ridge

Sr. No.	Item of work	Unit	Qty.	Rate/ Unit	Amount
1st year expenditure					
1	Jungle clearance	Rkm	0.25	5206.20	1301.55
2	Dag bailing and alignment	Rkm	1	242.96	242.96
3	Adv. E.W. Construction of Ridges (Top width 2m Bottom Width 3m, height 75 cm and length 1000 mtr. For Double ridge, Earth work = 475 m ³)	M ³	1875	121.46	227738
4	Raising of Plants in Nry (15cmx22 Cm) 1000+20% extra				
5	Preparation of slot on ridge	No.	1200	15.00	18000
6	Loading and unloading of plants in Tractor/Cart.	No.	1000	2.35	2350
7	Carriage of plants	No.	1200	0.35	420
8	Plantating of seedlings including 10 % replacement	No.	1200	1.64	1968
9	Application of fertilizer (One time DAP + One time Urea)	No.	1100	4.85	5335
10	Irrigation six times	No.	2000	0.70	1400
11	Purchase of water	No.	6000	3.46	20760
12	First Weeding and hoeing	LS			3600
13	Subsequent weeding and hoeing four times	No.	1000	5.22	5220
14	Cost of wages of protection watcher (one protection watcher for ten months for plantation area of 2.5 RKM)	No LS	4000	3.46	13840
15	Miscellaneous expenditure for purchase of fertilizer, pesticides, foliage Nutrients, Baskets & Tins etc.			0.00	8000
Total					
Added EPF @ 13%					
Added ESI @ 3.25%					
of wages component 50% of total					
Added Contractor profit @ 70% of total					
Net Total					
2nd Year expenditure					
1	Raising of Plants in Nry (15cmx22 Cm) 200+20% extra	No.	240	15.00	3600.00
2	Preparation of slot on ridge	No.	200	2.35	470.00
3	Loading and unloading of plants in Tractor/Cart.	No.	240	0.35	84.00
4	Carriage of plants	No.	240	1.64	393.60
5	Plantating of seedlings including 10 % replacement	No.	220	4.85	1067.00
6	Application of fertilizer (One time DAP + One time Urea)	No.	200	0.70	140.00
7	Irrigation fivetimes	No.	5000	3.46	17300.00
8	Purchase of water	LS			3000.00
10	Subsequent weeding and hoeing two times	No	2000	3.46	6920.00

11	Cost of wages of protection watcher (one protection)	LS			36096.00
12	Miscellaneous expenditure for purchase of fertilizer, pesticides, foliage Nutrients, Baskets & Tins etc.			0.00	8000.00
	Total				77070.60
	Added EPF @ 13%				
	Added ESI @ 3.25%				
	of wages component 50% of total				6261.99
	Added Contractor profit @ 70% of total				5394.94
	Net Total				88727.53
3rd Year Maintenance					
1	Raising of Plants in Nry (15cmx22 Cm) 100+20% extra	No.	120	15.00	1800.00
2	Preparation of slot on ridge	No.	100	2.35	235.00
3	Loading and unloading of plants in Tractor/Cart.	No.	120	0.35	42.00
4	Carriage of plants	No.	120	1.64	196.80
7	Plantating of seedlings including 10 % replacement	No.	110	4.85	533.50
8	Irrigation two times	No.	2000	3.46	6920.00
10	Purchase of water	LS			1200.00
11	Subsequent weeding and hoeing	No	1000	3.46	3460.00
12	Cost of wages of protection watcher (one protection watcher for ten months for plantation area of 5 RKM)	LS			18048.00
	Miscellaneous expenditure for purchase of fertilizer, pesticides, foliage Nutrients, Baskets & Tins etc.			0.00	4000.00
	Total				36435.30
	Added EPF @ 13%				
	Added ESI @ 3.25%				
	of wages component 50% of total				2960.37
	Added Contractor profit @ 70% of total				2550.47
	Net Total				41946.14

Cont. --

4th Year Maintenance					
1	cleaning operation	Ls			10000.00
2	Cost of wages of protection watcher (one protection watcher for ten months for plantation area of 5 RKM)	LS			18048.00
3	Miscellaneous expenditure	LS			1000.00
Total					11000.00
Added EPF @ 13%					
Added ESI @ 3.25%					
of wages component 50% of total					893.75
Added Contractor profit @ 70% of total					770.00
Net Total					12663.75
5th Year Maintenance					
1	cleaning operation	Ls			11000.00
2	Cost of wages of protection watcher (one protection watcher for ten months for plantation area of 5 RKM)	LS			19852.00
3	Miscellaneous expenditure	LS			1100.00
Total					12100.00
Added EPF @ 13%					
Added ESI @ 3.25%					
of wages component 50% of total					983.13
Added Contractor profit @ 70% of total					847.00
Net Total					13930.13
6th Year Maintenance					
1	cleaning operation	Ls			12100.00
2	Cost of wages of protection watcher (one protection watcher for ten months for plantation area of 5 RKM)	LS			21837.00
3	Miscellaneous expenditure	LS			1210.00
Total					13310.00
Added EPF @ 13%					
Added ESI @ 3.25%					
of wages component 50% of total					1081.44
Added Contractor profit @ 70% of total					931.70
Net Total					15323.14
7th Year Maintenance					
1	cleaning operation	Ls			13310.00
2	Cost of wages of protection watcher (one protection watcher for ten months for plantation area of 5 RKM)	LS			24020.00
3	Miscellaneous expenditure	LS			1331.00
Total					14641.00
Added EPF @ 13%					
Added ESI @ 3.25%					
of wages component 50% of total					1189.58
Added Contractor profit @ 70% of total					1024.87
Net Total					16855.45

8th Year Maintenance

1	cleaning operation	Ls			14641.00
2	Cost of wages of protection watcher (one protection watcher for ten months for plantation area of 5 RKM)	LS			26422.00
3	Miscellaneous expenditure	LS			
	Total				1464.00
	Added EPF @ 13%				16105.00
	Added ESI @ 3.25%				
	of wages component 50% of total				
	Added Contractor profit @ 70% of total				1308.53
	Net Total				1127.35
					18540.88

9th Year Maintenance

1	cleaning operation	Ls			16105.00
2	Cost of wages of protection watcher (one protection watcher for ten months for plantation area of 5 RKM)	LS			29064.00
3	Miscellaneous expenditure	LS			
	Total				1610.00
	Added EPF @ 13%				17715.00
	Added ESI @ 3.25%				
	of wages component 50% of total				
	Added Contractor profit @ 70% of total				1439.34
	Net Total				1240.05
					20394.39

10th Year Maintenance

1	cleaning operation	Ls			17715.00
2	Cost of wages of protection watcher (one protection watcher for ten months for plantation area of 5 RKM)	LS			31970.00
3	Miscellaneous expenditure	LS			
	Total				1771.00
	Added EPF @ 13%				19486.00
	Added ESI @ 3.25%				
	of wages component 50% of total				
	Added Contractor profit @ 70% of total				1583.24
	Net Total				1364.02
					22433.26

ABSTRACT OF COST NORMS

YEAR OF PLANTATION	Cost (in Rs.)	Cost per plant
FIRST YEAR PLANTATION	398644.50	797.29
SECOND YEAR MAINTENANCE	88727.53	177.46
THIRD YEAR MAINTENANCE	41946.14	83.89
FOURTH YEAR MAINTENANCE	12663.75	25.33
FIFTH YEAR MAINTENANCE	13930.13	27.86
SIXTH YEAR MAINTENANCE	15323.14	30.65
SEVEN YEAR MAINTENANCE	16855.45	33.71
EIGHT YEAR MAINTENANCE	18540.88	37.08
NINE YEAR MAINTENANCE	20394.39	40.79
TENTH YEAR MAINTENANCE	22433.26	44.87
TOTAL	649459.16	1298.92

[Signature]
Divisional Forest Officer,
Jind Forest Division,
Jind

Title of the Project: Diversion for Parallel lined channel (PLC) Project from RD 0 (Dadupur Head) to 68220 (Hamida Head) in Distt. Yamuna Nagar, Haryana.

File No.: FP/HR/IRRIG/40972/2019

Date of Proposal:

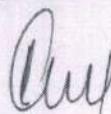
CHECK LIST SERIAL NUMBER: 20

"LAND SUITABILITY CERTIFICATE BY DCF "

This is to certify that the land proposed by the user agency for mutation in favour of Forest Department in lieu of Compensatory Afforestation along with degraded Forest land **1- Ramkali Brick Kiln Area, 2- Ramkali Kothi area, 3- Kalwan Minor, 4- Ghaso Minor, 5- TBS Minor, 6- Kheri Saffa** land bearing Survey No./Compartment No. 'Nil' of Different village of District Jind Identified for Compensatory Afforestation is suitable for undertaking plantation from management point of view and is free from all sorts of encumbrances and encroachment. Extent of forest land proposed for **Compensatory Afforestation is 10.46 ha.** as no. of plants to be planted are **11000** (1000 Plants per RKM on Ridge).

Place: Jind

Date:


Signature

Rohtash Birthal, HFS

DCF, Jind