

I/341960/2022

Government of Punjab
Department of Forests & Wildlife Preservation
O/o Principal Chief Conservator of Forests (HoFF), Punjab
Forest Complex, Sector-68, SAS Nagar.
(FCA Branch)

Dated:06/04/2022

To,

Deputy Director General of Forests (Central),
Government of India,
Ministry of Environment, Forests & Climate Change,
Northern Regional Office, Bays No. 24-25,
Sector 31-A, Chandigarh

Subject:- Diversion of 30.3 ha. of forest land for construction of proposed road along canal (Kasur Branch Lower/Khem Karan Distributory from village Jaoura originating from MDR-62 (Tarn Taran-Patti Road) to Village Mehmoodpura RD 0 to 30.30 (Total length 30.30 km) Tehsil Patti, District Tarn Taran, under forest division Amritsar, Punjab, (Online proposal No. FP/PB/Road/53654/2020).

Ref: Your letter No. F.No. 9-PBC335/2021-CHA dated 18.12.2021.

With reference to the subject cited above, reply to the observations is as under :-

1. Name & e.mail address of the User Agency has been uploaded in Part-I of on-line portal.
2. ii)-Authorization letter has been uploaded in Part-II and copy of the same is attached at Annexure-I.
3. Employment details has been corrected and uploaded in Part-I of on-line portal.
4. Extension of approval of the project has been uploaded in Part-II of on-line portal and copy of the same is attached at Annexure-II.
5. Project justification has also been uploaded in Part-II of on-line portal and copy of the same is attached at Annexure-III.
6. Copy of NOC from Irrigation Department is attached at Annexure-IV.
7. Divisional Forest Officer, Hoshiarpur reported that 61 ha. KML file for CA site has been uploaded in Part-II and Divisional Forest Officer, Amritsar also reported that 53 ha. KML file for Addl. CA has been uploaded in Part-II for plantation. Copy of DGPS map and Land suitability certificate are attached at Annexure-V.

It is now requested that the **Stage-I approval** of Govt. of

I/341960/2022

India under Forest (Conservation) Act, 1980 to divert the forest area for non-forestry purpose may be conveyed.

Encl:-As above

ADDL PRINCIPAL CHIEF CONSERVATOR OF FORESTS-CUM-NODAL OFFICER
(FCA)

06/04/2022

CC:-

1. Conservator of Forests, Bist Circle/DFO Amritsar.
2. The Executive Engineer, Construction Division No.2, PWD B&R, Amritsar, Punjab.

1176769/2022/FCA

FORM - A

for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for
Diversion of fresh forest area

PART - I
(To be filled up by User Agency)

A. General Details**A-1. Project Details**

(i). Proposal No. : FP/PB/ROAD/53654/2020

(ii). Name of Project for which Forest Land is required : CONSTRUCTION OF PROPOSED ROAD BY MORT&H

(iii). Short narrative of the proposal and Project/scheme for which the forest land is required :
DIVERSION OF 30.30 HA OF FOREST LAND FOR CONSTRUCTION OF PROPOSED ROAD ALONG CANAL (KASUR
BRANCH LOWER / KHEM KARAN DISTRIBUTORY) FROM VILLAGE JOURA ORIGINATING FROM MDR -62 (TARN
TARAN PATTI ROAD) TO VILLAGE MEHMOODPURA RD 0 TO 30300 (TOTAL LENGTH 30.30 KM) TEHSIL PATTI ,
DISTRICT TARN TARAN .

(iv). State : Punjab

(v). Category of the Proposal : Road

(vi). Shape of forest land proposed to be diverted : Linear

(vii). Estimated cost of the Project(Rupees in lacs) : 5100

(viii). Area of forest land proposed for diversion(in ha.): 30.3

(ix). Non-forest land required for this project(in ha.): 0

(x). Total period for which the forest land is proposed to be diverted(in years): 99

A-2. Details of User Agency

(i). Name : Chief Engineer MORT&H (Chandigarh)

(ii). Address1 : Kendriya Sadan 6th floor,

(iii). Address2 : Sector - 9A, Chandigarh

(iv). State : Chandigarh

cf

Surjit Singh Sahota
 I.F.S.
 Divisional Forest Officer
 Amritsar Forest Division
 Amritsar

1176769/2022/FCA

et : Chandigarh

(i). Pin : 160009

(vii). Landmark : Kendriya Sadan, Chandigarh

(viii). Email address : rochandigarh2010@gmail.com

(ix). Landline Telephone No. : 172-2740376

(x). Fax No. : 172-2743228

(xi). Mobile No. : 9099023874

(xii). Website (if any) : morth.nic.in

(xiii). Legal status of User Agency : Central Government

A-3. Details of Person Making Application

(i). First Name: JASBIR

(ii). Middle Name: SINGH

(iii). Last Name: SODHI

(iv). Gender: Male

(v). Designation: EXECUTIVE ENGINEER

(vi). Address 1: Executive Engineer, Construction Division No.2 Punjab PWD (B&R) Br.

(vii). Address 2: Batala Road, Opposite Celebration Mall, Amritsar. 143001 Punjab

(viii). State: Punjab

(ix). District: Amritsar

(x). Tehsil: Amritsar -I

(xi). Pin: 143001

(xii). Landmark: NIL


Surjit Singh Sahota
I.F.S.
Divisional Forest Officer
Amritsar Forest Division
Amritsar

Address: provincials subdivision@yahoo.com

Landline Telephone No.: 183-5051500

(xv). Fax No.: NIL

(xvi). Mobile No.: 9814096455

(i). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency: No Data

B. Details of land required for the Project

B-1. Details of proposal seeking prior approval of Central Government under the Act for diversion of forest land for the Project already submitted in the past

List of proposal submitted in Past							
S.no	Proposal Status.	Proposal No.	Moef File No.	Area Proposed for Diversion(Ha.)	Area Diverted(Ha.)	Date of In-Principle Approval	Date of Final Approval
NIL							

B-2. Details of forest land proposed to be diverted

B-2.1 Details of Divisions involved

Details of Divisions involved			
S.no	Division Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Amritsar	30.3	0
Total		30.3	0

B-2.2 Details of Districts involved

District wise breakup			
S.no	District Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Tran Taran	30.3	0
Total		30.3	0




B-2.3 Village wise breakup

Villages wise breakup			
S.no	Village	Forest Land(ha.)	Non-Forest Land(ha.)
1	JOURA/MEHMOODPURA	30.3	0
Total		30.3	0


Surjit Singh Sahota
IFS.Divisional Forest Officer
Amritsar Forest Division
Amritsar

Component wise breakup			
S.no	Component	Forest Land(ha.)	Non-Forest Land(ha.)
1	USE OF FOREST LAND CONSTRUCTION OF ROAD	30.3	0
Total		30.3	0

C. Maps of forest land proposed to be diverted

Division 1. : Amritsar		
(i). Area of forest land proposed to be diverted(in ha.) : 30.3		
(ii). Nature of the Project: Linear		
(b). No. of Segments : One		
Segment wise details		
Segments	Segment Area(in ha.)	Kml File of Segments (To view KML file on google the same may be downloaded and then open if in google earth install in your computer).
1.	30.3	 View File
(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: 		
(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: 		

D. Justification for locating the Project in forest land and details of alternatives examined:

- (i). Copy of note containing justification for locating the Project in forest land: 
- (ii). Whether a copy of map indicating location of alternative examine is required to be provided: No
- (a). Reason for not providing such map: NIL

E. Employment likely to be generated

- (i). Whether the Project is likely to generate employment?: Yes

(ii). Permanent/Regular Employment(Number of persons): 20

1176769/2022/FCA

Temporary Employment (Number of person-days): 13500

Displacement of People due to the Project, if any.

(i). Whether Project involves displacement?: No

G. Details of Cost-Benefit analysis for the Project

(i). Whether the Project requires Cost-Benefit analysis?: No

H. Status of Environmental Clearance

(i). Whether the Project requires Clearance under the Environment (Protection) Act 1986 ? : No

I. Status of Wildlife Clearance

(i). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone? : No

J. Applicability of special provisions governing Scheduled Areas

(i). Whether the Project or a part thereof is located in a Scheduled Area? : No

K. Status of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted

(i). Whether the process for settlement of Rights under the Forest Rights Acts 2006 on the forest land proposed to be diverted has been completed? : No

L. Details of land identified for Compensatory Afforestation

(i). Whether non-forest or Revenue forest land is required to be provided by User Agency?: Not Applicable

(ii). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted?: Not Applicable

(iii). Reason for not providing Non-Forest Land: Not Applicable






















Additional information Details

cls
[Signature]
Surjit Singh Sahota
 I.F.S.
 Divisional Forest Officer
 Amritsar Forest Division
 Amritsar

Documents		
S.No	Documents	Remarks

estsclearance.nic.in/viewreport.aspx?pid=FP/PB/ROAD/53654/2020

1176769/2022/FCA

		UNDER TAKING OF ADDITIONAL NPV
		COMPONENT AUTHORITY OF CENTRAL GOVERNMENT
3		UNDERTAKING OF COST OF CA
4		UNDERTAKING OF COST OF TREE
5		DETAIL NOTE OF PROJECT
6		DETAIL OF FOREST AREA
7		DETAIL OF NON FOREST AREA
8		NOC OF IRRIGATION DEPARTMENT
9		TRANSLATION OF NOC OF IRRIGATION DEPARTMENT
10		FORM A
11		UNDERTAKING FRA
12		UNDERTAKINGF GPM FEES
13		ITEM WISE BREAKUP AREA
14		MINIMUM USE OF FOREST LAND
15		NET PRESENT VALUE
16		LAYOUT PLAN
17		NEW DOCUMENT IN REPLY OF QUERY RAISED
18		ADMIN APPROVAL
19		SURVEY MAP
20		JUSTIFICATION FOR ALTERNATIVE RULES
21		REPLY LETTER TO DFO

Print


Surjit Singh Sahota
 I.F.S.
 Divisional Forest Officer
 Amritsar Forest Division
 Amritsar

RW/CH/W(02)-PB-2001/VOL-IV-47778

Government of India
Ministry of Road Transport & Highways
Regional Office, Kendriya Sadan, 6th Floor, Sector-9 A, Chandigarh
Tel : 0172-2740376, 2743228
rochandigarh2010@gmail.com

To

The Chief Engineer (NH)
Punjab PWD (B&R),
Patiala.

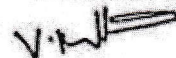
Date: 19-07.2021

Sub:- Construction of proposed road along canal(Kasul Branch Lower/Khem Karan Distributary) from village Jaura origination from MDR-62(Tarn Taran-Patti Road) to village Mehmoodpura (Total Length 30.30km) Tehsil Patti. District Tarn Taran- Regarding Diversion of 30.30 ha. of forest land.

Sir

Please refer to your memo no 2530/NH dated 23.06.2021, recommending therewith proposal to authorize, Executive Engineer, Construction Division No. 2 PWD B&R Amritsar, to carry out all communications either online or offline related to forest clearance proposal of the above project on behalf of Ministry of Road Transport & Highways. In this regard, it is to mention that based on your recommendation instant proposal to authorize the concerned Executive Engineer, to communicate on behalf of this office, has been approved and it is requested to do the needful at your end.

Yours faithfully



Assistant Executive Engineer,
For CE-cum-RO, MoRT&H, Chandigarh

Copy to:- The Executive Engineer, Construction Division No. 2, PWD B&R, Amritsar,

C/S

Surjit Singh Sahota
I.F.S.
Divisional Forest Officer
Amritsar Forest Division
Amritsar

**Office:- Executive Engineer, Construction Division No.2,
Public Works Department (Building and Roads), Amritsar.
Telephone No. 98140-96455 E-Mail:- xenc2amritsar@yahoo.com**

To,

The District Forest Officer,
Amritsar.

No:- 1964

Date:- 22-12-21

Subject:- Diversion of 30.30 ha. Of forest land for construction of proposed road along canal (Kasur Branch Lower/Khem Karan Distributory from village Jaoura originating from MDR-62 (Tarn Taran-Patti Road) to Village Mehmoodpura RD 0 to 30.30 (Total length 30.30 km) Tehsil Patti, District Tarn Taran Punjab. (Online proposal No. FP/PB/ROAD/53654/2020).

Ref:- 45th REC meeting dated 10.12.2021 and Ministry of Enviroment, Forest & Climate Chages, Northern Regional Office Chandigarh F.No. 9-PBC335/2021-CHA dated 18.12.2021 (Copy enclosed).


On the subject cited above, the compliance to the required information from the State Govt. related to this department has been made.

The detail of compliance is as under :

- i) The name of User Agency and email address has been uploaded.
- ii) The correct authorization letter has already been uploaded and the same is again uploaded as desired.
- iii) The correct employment details have been uploaded.
- iv) For submission of extension of approval of the project from MORT&H, the case has been separately taken up with MORT&H.
- v) Justification of the project has uploaded.
- vi) The NOC from irrigation department has already been uploaded and the same is again uploaded as desired.
- vii) It relates to forest department.

You are kindly requested to pursue the matter to the concerned authority to achieving principal approval to above said work.

DA/As above


Executive Engineer,
Construction Division No.2
PWD (B&R), Amritsar.


Endst:

Dated:

- Copy of above is forward to Superintending Engineer, Construction Circle, PWD

(B&R) Amritsar for information please.


Surjit Singh Sahota
I.F.S.
Divisional Forest Officer
Amritsar Forest Division
Amritsar


Executive Engineer,
Construction Division No.2
PWD (B&R), Amritsar.

FCA

98


24/12/2021

2985

24-12-2021 DA/x

Justification of Construction of New road along canal from Jaura originating from MDR-62 to Village Mehmoodpura RD 0 to 30300 (Total Length 30.30 Km) in District Tarn Taran.

- The necessity of construction of new road is because the road ends near the border in District Tarn Taran and it connects District Administrative Complex Tarn Taran, Judicial Court Complex Tarn Taran, District Hospital Tarn Taran and 15 numbers villages of District Tarn Taran.
- By the construction of this road, the distance would be shortened by 16 kilometer for the Indian Army as well as for the general public.
- The road will become lifeline for the farmers as it would decrease time for carrying their products to the Mandis.
- In case of any emergency on border, this road will act as a escape route for Indian Army and general public.
- By constructing this road, the cultural, social and economic activities would be enhanced in the entire region due to connectivity.


Executive Engineer,
Construction Division No.2
PWD (B&R), Amritsar.



Surjit Singh Sahota
I.F.S.
Divisional Forest Officer
Amritsar Forest Division
Amritsar


ਮਰ 3900-01 21-16-2018 ਐਨ.ਓ.ਸੀ.
ਮਿਤੀ 3/8 2018

64

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਉਸਾਰੀ ਮੋਡਲ ਨੰ. 2,
ਪੀ.ਡੀ.ਓ. (ਬੀ.ਐਚ.ਆਰ.),
ਅੰਮ੍ਰਿਤਸਰ।

Sub.

NOC for new Construction of road along Canal
(Kasur Branch Lower/ Khem Karan Disty/ Khem
Karan Minor) from Village Joura originationg
From MDR-62 (Tarn Taran- Patti Road) to
Village Mehmoodpura under EI Scheme of CRF
for the Year 2018-19 in District Tarn Taran.
Length = 30.720 kms.

ਹਵਾਲਾ

ਆਪ ਜੀ ਦੇ ਦਫਤਰ ਦਾ ਪੱਤਰ ਨੰ: 1395 ਮਿਤੀ 01-08-2018

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਅਤੇ ਹਵਾਲੇ ਦੇ ਸਬੰਧ ਵਿੱਚ ਆਪ ਜੀ ਨੂੰ ਸੂਚਿਤ ਕੀਤਾ ਜਾਂਦਾ
ਹੈ ਕਿ ਆਪ ਵੱਲੋਂ ਵਿਸ਼ੇ ਅਧੀਨ ਦਰਸਾਏ ਗਏ ਸੜਕ ਦੇ ਨਿਰਮਾਣ ਲਈ ਨੋਟੀਫਿਕੇਸ਼ਨ ਨੰ: 3/26/09-
ਆਰ.ਐਚ.ਐਸ. (3) / 4774 ਮਿਤੀ 02-12-2010 ਦੇ ਮੁੱਢਲੇ "ਕਾਰਜਕਾਰੀ ਐਨ.ਓ.ਸੀ." ਜਾਰੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ। ਆਪ
ਨੂੰ ਇਹ ਦੱਸਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਉਪਰੋਕਤ ਦਰਸਾਈ ਨੋਟੀਫਿਕੇਸ਼ਨ ਦੀਆਂ ਸ਼ਰਤਾਂ ਅਨੁਸਾਰ ਅਪਣੇ ਪੱਧਰ ਤੇ ਸਬੰਧਤ
ਵਿਭਾਗਾਂ/ਜ਼ਿਲ੍ਹਾ ਵਿਭਾਗ ਤੇ ਐਨ.ਓ.ਸੀ. ਪ੍ਰਾਪਤ ਕਰਕੇ ਇਸ ਦਫਤਰ ਨੂੰ ਸੂਚਿਤ ਕੀਤਾ ਜਾਵੇ।

ਕਾਰਜਕਾਰੀ ਇੰਜੀਨੀਅਰ,
ਜੰਡਿਆਲਾ ਮੋਡਲ ਅ.ਬ.ਦ.ਨ.
ਅੰਮ੍ਰਿਤਸਰ

ਕਾਪੀ

ਨਿਗਰਾਨ ਇੰਜੀਨੀਅਰ, ਅਪਰ ਬਾਰੀ ਦੁਆਬਾ ਨਹਿਰ ਹਲਕਾ, ਅੰਮ੍ਰਿਤਸਰ ਜੀ ਦੇ ਪੱਤਰ ਨੰ: ਨਿੱਲ
ਮਿਤੀ 01-08-2018 ਅਤੇ ਉਹਨਾਂ ਨਾਲ ਹੋਈ ਗੱਲਬਾਤ ਦੇ ਸਬੰਧ ਵਿੱਚ ਸੂਚਨਾ ਹਿੱਤ।

Executive Engineer
Construction Division No. 2,
P.W.D. B&R, Amritsar.

Surjit Singh Sahota
I.F.S.
Divisional Forest Officer
Amritsar Forest Division
Amritsar

Executive Engineer
Construction Division No. 2,
P.W.D. B&R, Amritsar.

65

EXECUTIVE ENGINEER

DIVISION NO .2

PWD (B& R)

AMRITSAR.

SUBJECT :- DIVERSION OF 30.30 HA OF FOREST LAND FOR CONSTRUCTION OF PROPOSED ROAD ALONG CANAL (KASUR BRANCH LOWER / KHEM KARAN DISTRIBUTORY) FROM VILLAGE JOURA ORIGINATING FROM MDR -62 (TARN TARAN PATTI ROAD) TO VILLAGE MEHMOODPURA , RD 0 TO 30300 (TOTAL LENGTH 30.30 KM) TEHSIL PATTI , DISTRICT TARN TARAN .

REFERENCE:- YOUR LETTER NO 1395 DATE 01/08/2018


IN ABOVE SUBJECT REFERENCE RELATED INFORM UNDER THE MENTION CONSTRUCTED ROAD FOR NOTIFICATION 3/6/09, 4774, DATE 2-12-2010 FORMAL NOC PERMITING. IN THE ABOVE MENTION NOTIFICATION ACCORDING TO CONDITIONS RELATED OBTAINED FOREST NOC.

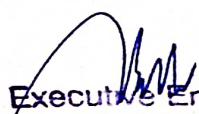
EXECUTIVE ENGINEER

JANDIALA DIVISION (B&R)

AMRITSAR

us


Surjit Singh Sahota
I.F.S.
Divisional Forest Officer
Amritsar Forest Division
Amritsar


Executive Engineer
Construction Division No. 2,
P.W.D. B&R, Amritsar.

Full Title of the Project: Diversion of 30.30 ha of forest land for construction of proposed road along canal (Kasur Branch Lower/ Khem Karan Distributory from village Jaoura originating from MDR-62 (Taran Taran-Patti Road) to Village Mehmoodpura RD 0 to 30.30 (Total length 30.30 KM) Tehil Patti, District Tarn Taran, Punjab, (Online proposal No. FP/PB/Road/53654/2020)

File No. : _____

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 6 (i) & (v)

"SCHEME FOR COMPENSATORY AFFORESTATION PLANTATION"

Detailed scheme for 61 Ha CA to be carried out in lieu of 30.30 Ha., of forest area to be diverted for Diversion of 30.30 ha of forest land for construction of proposed road along canal (Kasur Branch Lower/ Khem Karan Distributory from village Jaoura originating from MDR-62 (Taran Taran-Patti Road) to Village Mehmoodpura RD 0 to 30.30 (Total length 30.30 KM) Tehil Patti, District Tarn Taran, Punjab, (Online proposal No. FP/PB/Road/53654/2020).

1. **Details of degraded forest land/non-forest land:-**

District: **Hoshiarpur** Village: **Manjhi, PF**

Tehsil : **Hoshiarpur**

Name of Forest Division: **Hoshiarpur** Range: **Hoshiarpur**

Block/Compartment/Survey No.: **H.B. No. 497**

Area to be afforested- **61 Ha CA in 80 Ha Polygon**

2. **Description of the Area**

I) Whether the site selected for Compensatory Afforestation is a land bank or not : **Yes.**

II) If the CA site is other than the land bank, reasons be given : **-**

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

IV) Soil type : **Heavy Soil.**

V) Topography :

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

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

VI) Whether the area is bearing any root stock of vegetation: **NIL**

3. **Plantation Model:-**

Copy of the approved Compensatory Afforestation Scheme/Model showing component - wise physical and financial break up to be enclosed

Divisional Forest Officer
Hoshiarpur Forest Division
Manjhi
28/03/2022

ESTIMATED COST FOR DEGRADED PLANTING IN SHIWALIKS

Diversion of 30.30 ha of forest land for construction of proposed road along canal (Kasur Branch Lower/ Khem Karan Distributory from village Jaoura originating from MDR-62 (Taran Taran-Patti Road) to Village Mehmoodpura RD 0 to 30.30 (Total length 30.30 KM) Tehsil Patti, District Tarn Taran, Punjab, (Online proposal No. FP/PB/Road/53654/2020).

1) Diverted Forest Area = 30.30 Ha.		Daily Wage Rate @ 383.56/-
2) Comp. Aff. Scheme area = 61 ha		Plants/Ha : 1000
3) Name of Site of Plantation : Manjhi PF, H.B.No. 497		
4) No. of plants Planted = 61*1000 = 61000 Plants		

5. Name of species to be planted (Khair, Shisham, Amala, Bamboo, Jamun, Arjun, etc)

Sr. No.	Nature of Work	Unit	Unit Cost	Quantity	Amount
	Component				
	A. Nursery				
1	Cost of seedling including development of Nursery (a) Original planting=1000 per ha. Replacement 10%= 100 per ha Total 1100 No. in P. bag	No	59.67	1100	65633
					65633
	B. Soil /Adv Works.				
2	Cutting of Lantana Malha	Ha.	20921.36	0.60	12552.81
3	Lantana stubbing	Ha.	31381.49	0.20	6276.30
4	Uprooting of old stumps & Disposal	100 No.	76.70	100.00	76.70
5	Preparation of inspection path in Heavy Soil 50 Mtr x .10 Mtr x 1Mtr = 5 M3	M3	153.42	5.00	767.10
6	Survey And Alignment	Ha	1533.97	1	1533.97
7	(a) Earth work i.e. digging of trenches Heavy Soil Size 750No. x 2 Mtr. x .40 Mtr x .35 Mtr = 210 m3	M3	153.42	210	32218
	(b) Earth work i.e. digging of pits 250No. X .50 Mtr x .5 Mtr x .4 Mtr = 25 M3	M3	153.42	25	3835
					57261
	C. Plantation				
8	(a) Refilling of trenches 750 No x .0.50 Mtr x .40 Mtr x .30 Mtr = 45 m3	M3	30.97	45.00	1393.65
	(b) Refilling of pits 250no.x.50 x.50 x.35=21.87M3	M3	30.97	21.87	677.31
9	Carriage of seedlings by Tractor-Trolley	No	5.75	1000	5750.00
10	Carriage of seedlings by M/L lead 500mt.	Mtr	11.58	1000	11580.00
11	Loading & unloading of plants	100 No	46.37	1000	4637.00
12	Planting of seedlings	No	4.88	1000	4880.00
13	Application of Insecticides 1000 x 2 times=2000	100 No	67.00	2000	1340.00
14	Application of fertilizers 1000 x 2 times = 2000	100 No	67.00	2000	1340.00
15	Planting of Bhabbar Grass including extraction and carriage of Tussocks	100 No.	12.10	2000	242.00
16	Preparation of round fencing including cutting carriage material (with binding)	No	28.76	500	14380.00
17	Fixing of Bamboo Tree Guard around plant	No	10.00	250	2500.00
					44546.66
	D. Maintenance of Planting Year				
18	Repair i.e. cleaning and dressing of inspection path	M3	153.42	5	767.10
19	Watch and ward for every 10 ha. Of plantation x 26 days	No.	38.36	26	997.36
20	Re-Cutting of lantana/malaha 2nd and 3rd times. 0.50 x 2 = 1	Ha	6961.00	1.00	6961.00
21	Weeding hoeing i.e. 2000mtr x 3 = 6000 mtr	Mtr	2.38	6000	14280.00
22	Hand watering to plants 300 no	No	3.83	300	1149.00
23	Application of Insecticides 1000 x 2 times = 2000	100 No	67.00	2000	1340.00
24	Application of fertilizers (twice) 1000 x 2 times = 2000	100 No	67.00	2000	1340.00
25	Desilting of Tranches 1000 No x 1.50 x .35 x 25 = 131.25	Mtr	69.73	131.25	9152.06
26	Carriage of seedlings by Tractor-Trolley	No	5.74	100	574.00
27	Carriage of seedlings by M/L lead 500mt.	Mtr	11.58	100	1158.00
28	Loading & unloading of plants	100 No	76.37	100	76.37
29	Cutting of Tall Weeds 2 mtr wide (1000x2=2000)	100 mtr	95.87	2000	1917.00

D:\VCA (Sanjosh)\Forests Clearance nrc\In\VCA Cases Hard Copies\CA Sites for other divisions\CA cases\Division\Amritsar\30.30 Ha\RFOS report\22-03-2022 estimate\CA estimate Manjhi 1000 plants 61 Hect

28 22/03/2022

No.	Nature of Work Component	Unit	Unit Cost	Quantity	Amount
30	Providing thorny protection to plants against parcopine damage	100 No	191.70	400	766.80
31	Re -Planting of seedlings	No	4.88	100	488.00
32	Covering (25% Plants)	No.	3.41	250	852.50
33	Uncovering	No.	0.36	250	90.00
					41909.19
	D. Material				
34	Insecticides including carriage	litre	452.35	10	4523.50
35	Fertilizers i.e. urea etc. including carriage	kg	61.70	200	12340.00
36	Bamboo Tree Guard	No	125.00	250	31250.00
37	Misc. Items (tools, etc)	L/S			2500
					50614
	Total Cost of Planting Year				259963
	Contingency 10%				25996
	Total Cost of Planting Year				285960
	1st Year Maintenance				
1	Re-opening of trenches for replacement 225 x .50 m x .40 x .40m = 18 m ³	M3	63.29	18.00	1139.17
2	Refilling of trenches 225 No. x 0.50m x 0.40m x 0.35m = 15.75 m ³	M3	39.81	15.75	627.05
3	Reopening of Pits 75 x.50 x .50 x .35 = 0.56 M3	M3	63.29	6.56	415.18
4	Refilling of Pits 75 x.50 x .50 x .35 = 6.56 M3	M3	39.81	6.56	261.15
5	Nursery cost of seedling	No	59.67	300	17901.00
6	Carriage of seedlings by Tractor-Trolley	No	5.75	300	1725.00
7	Carriage of seedlings by M/L labour lead 500mt.	100 Mtr	11.58	300	34.70
8	Loading & unloading of plants	100 No	46.37	300	139.11
9	Re- Planting of seedlings	No	4.88	300	1464.00
10	Weeding and hoeing to trenches (Twice)	Mtr	2.38	2000	4760.00
11	Application of insecticides (Twice)	100 No	67.00	2000	1340.00
12	Application of fertilizers (twice)	100 No	67.00	2000	1340.00
13	Repair of inspection path (Twice)	Mtr	153.42	200	30684
14	Cutting of lantana/mallah etc. per ha II & III times	Ha	6961.00	1.00	6961.00
15	Watch and ward for every 10 ha. Of plantation	No	38.36	26.00	997.36
16	Covering (25% Plants)	No.	3.41	250	852.50
17	Uncovering	No.	0.36	250	90.00
					70731.23
	Cost of material				
18	Insecticides including carriage	litre	452.35	10	4523.50
19	Fertilizers i.e. urea etc. including carriage	kg	33.92	200	6784.00
20	Misc. Items (tools, etc)	L/S			2500
	POL	L/S			5000
					18807.50
	Total				89538.73
	Contingency 10%				8953.87
	Total Cost of 1st Year Mtc				98492.60
	2nd Year Maintenance				
1	Reopening of trenches for replacement 200 no x .50 m x .35m x .25m = 8.75 m ³	M3	63.29	8.75	553.79
2	Refilling of trenches 200 No. x 0.50m x 0.35m x 0.25m = 8.75 m ³	M3	39.81	8.75	348.34
3	Nursery cost of seedling	No	59.67	200	11934.00
4	Carriage of seedlings in P bags i) M/L Average Lead 1.5 km	No	11.58	200	2316.00
5	ii) Tractor trolley average lead 15 km (1000 plants per trolley)	No	5.75	200	1150.00
6	Loading & unloading of plants from T/ Trolley	100 No	46.37	200	92.74
7	Re -Planting of seedlings	No	4.88	200	976
8	Weeding and hoeing to trenches (Twice)	Mtr.	2.38	2000	4760.00
9	Application of insecticides (Twice)	100 No	67.00	2000	1340.00
10	Application of fertilizers (Twice)	100 No	67.00	2000	1340.00
11	Repair of inspection path (Twice)	M3	153.42	200	30684.00
12	Lantana cutting (subsequent time 0.50 Ha) x 2 times =1.00	Ha	6961.00	1.00	6961.00
	Total				62455.87
	Cost of material				
13	Insecticide	Kg	452.35	10.00	4523.50
14	Fertilizers i.e. urea etc.	Kg	33.92	200.00	6784.00
	POL	L/S			2000.00


	Nature of Work Component	Unit	Unit Cost	Quantity	Amount
	Total				13307.50
	Total				75763.37
	Contingency 10%				7576.34
	Total Cost of 2nd Year Mtc				83339.70
	3rd Year Maintenance				
1	Reopening of trenches for replacement 100 no. 50m x 35 m x 25m = 4.37 m ³	M ³	63.29	4.37	276.58
2	Refilling of trenches 100 No. x 0.50m x 0.35m x 0.25m = 4.37 m ³	M ³	39.01	4.37	173.97
3	Nursery cost of seedling	No	59.67	100	5967.00
4	Carriage of seedlings by manual labour lead 500m.	100 Mtr.	11.50	100	1150.00
5	Loading & unloading of plants from T/ Trolley	100 No	46.37	100	4637.00
6	ii) Tractor trolley average lead 15 km (1000 plants per trolley)	No	5.75	100	575.00
7	Re-Planting of seedlings	No	4.88	100	488.00
8	Repair of Barbed Wire fence in hills	100 Mtr	122.52	1950	23881.20
9	Weeding and hoeing to tranches (Twice)	Mtr.	2.38	2000	4760.00
10	Cutting of Lantana/Mallaha 11nd and 111rd times	Ha	6981.00	0.70	4872.70
11	Application of fertilizers	100 No	67.00	1000	6700.00
12	Repair of inspection path (Twice)	Mtr	153.42	200	30684.00
13	Pruning of plants	No	10.00	250	2500.00
14	Jungle Clearance i.e. Bhang, Jhau tall weed etc.	No.	6276.10	0.2	1255.22
	Total				55815.96
	Cost of material				
15	Fertilizers i.e. urea etc.	Kg	33.92	40.00	1356.80
	Total				1356.80
	Total Cost of 3rd maintenance				57172.76
	Contingency 10%				5717.23
	SubTotal Cost of 3rd year maintenance				62890.04
	4th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	38.36	26.00	997.36
	Total				997.36
	5th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	38.36	26.00	997.36
	Total				997.36
	6th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	38.36	26.00	997.36
	Total				997.36
	7th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	38.36	26.00	997.36
	Total				997.36
	8th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	38.36	26.00	997.36
	Total				997.36
	9th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	38.36	26.00	997.36
	Total				997.36
	10th Year Maintenance				
1	Watch and ward for every 10 ha. Of plantation	No	38.36	26.00	997.36
	Total				997.36
	ABSTRACT				
1	Total Cost On Plantation Works				285959.78
2	Total Cost of 1st year Maintenance				98492.60
3	Total Cost of 2nd year Maintenance				83339.70
4	Total Cost of 3rd year Maintenance				62890.04
5	Total Cost of 4th year Maintenance				997.36
6	Total Cost of 5th year Maintenance				997.36
7	Total Cost of 6th year Maintenance				997.36
8	Total Cost of 7th year Maintenance				997.36
9	Total Cost of 8th year Maintenance				997.36
10	Total Cost of 9th year Maintenance				997.36

Divisional Forest Officer

Hoshkarpur Forest Division

Foshkarpur, 22/07/2022

	Nature of Work Component	Unit	Unit Cost	Quantity	Amount
11	Total Cost of 10th year Maintenance				997.36
	G.Total				537663.64
	Comp. Aff. Scheme for 1.00 Ha.				506039.00
				Or Say	506039.00
	Scheme Details				
	A. Comp. Aff. Scheme for 61 ha x 1000 = 61000 plants	Ha	506039	61	30868379.00
	B. Entry Point Activities including livelihood generation (Strengthening of JFMC's, Trainings , Solar Lights etc) 10% of CA	Rs			3086838
	C. Soil and water conservation works				
1	Dry Stone	Cum	1245.00	800	996000
2	Brush Wood Check Dam	Mtr	173.00	550	95150
3	Single Line Live Hedge	Mtr	110.00	2000	220000
4	Crate wire structure	Cum	2700.00	500	1350000
5	Cement Messonary Work	cum	5150.00	500	2575000
					5236150
	D. Forest Protection and Monitoring				
1	Fixing of brush wood fencing around plantallon	100Mtr.	1917.8	3000	57534.00
2	Fire Protection Equipments (Tractor driven water spray pump)	No	100000	1	100000.00
3	Fire Fiting Equipments (Uniforms, Gloves etc.)	No	100000	1	100000.00
4	Multi Utility vechile (4X4) for patrolling in this terrain	No	1700000	1	1700000.00
5	Watch Tower	No	1000000	1	1000000.00
6	Setting up of Boundry Pillars	No	2500	500	1250000.00
7	Digitization of Forest Boundaries using DGPS	Acr.	550	2400	1320000.00
					5527534.00
	E. Irrigation facilities				
1	Bore Well with Pump House	No	800000	1	800000.00
2	Tractor	No.	1000000	1	1000000.00
				Total	1800000.00
	F. Misc.				
1	Prepration of Seed ball and dispersal	L/s		100000	100000.00
				Total	100000.00
				G. Total	46618900.90
				Or Say	46618901/-


 Divisional Forest Officer
 Hoshiarpur Forest Division
 Hoshiarpur

22/03/2022

Title of the Project: Diversion of 30.30 ha of forest land for construction of proposed road along canal (Kasur Branch Lower/ Khem Karan Distributory from village Jaoura originating from MDR-62 (Taran Taran-Patti Road) to Village Mehmoodpura RD 0 to 30.30 (Total length 30.30 KM) Tehil Patti, District Tarn Taran, Punjab, (Online proposal No. FP/PB/Road/53654/2020)


HOSHIARPUR FOREST DIVISION

LAND SUITABILITY CERTIFICATE BY DFO

This is to certify that **80 Ha** land (D.G.P.S. Map attached) bearing Survey No./Compartment No/**H.B. No. 497** of **villages Manjhi PF**, Tehsil and District Hoshiarpur is suitable for plantation. This area is identified for **61 Ha**. Compensatory Afforestation is suitable for plantation from the management point of view it is free from all the sorts encumbrances and encroachments. This site is proper suitable for Compensatory Afforestation plantation. D.G.P.S. Map of the site is enclosed herewith.

Date.....

Place Hoshiarpur.


Divisional Forest Officer
Hoshiarpur Forest Division
Hoshiarpur 22/03/2022

Full Title of the Project: Diversion of 30.30 ha of forest land for construction of proposed road along canal (Kasur Branch Lower/ Khem Karan Distributory from village Jaoura originating from MDR-62 (Taran Taran-Patti Road) to Village Mehmoodpura RD 0 to 30.30 (Total length 30.30 KM) Tehil Patti, District Tarn Taran, Punjab, (Online proposal No. FP/PB/Road/53654/2020)

File No. : _____

Date of Proposal: _____

CHECK LIST SERIAL NUMBER: 6 (iii)

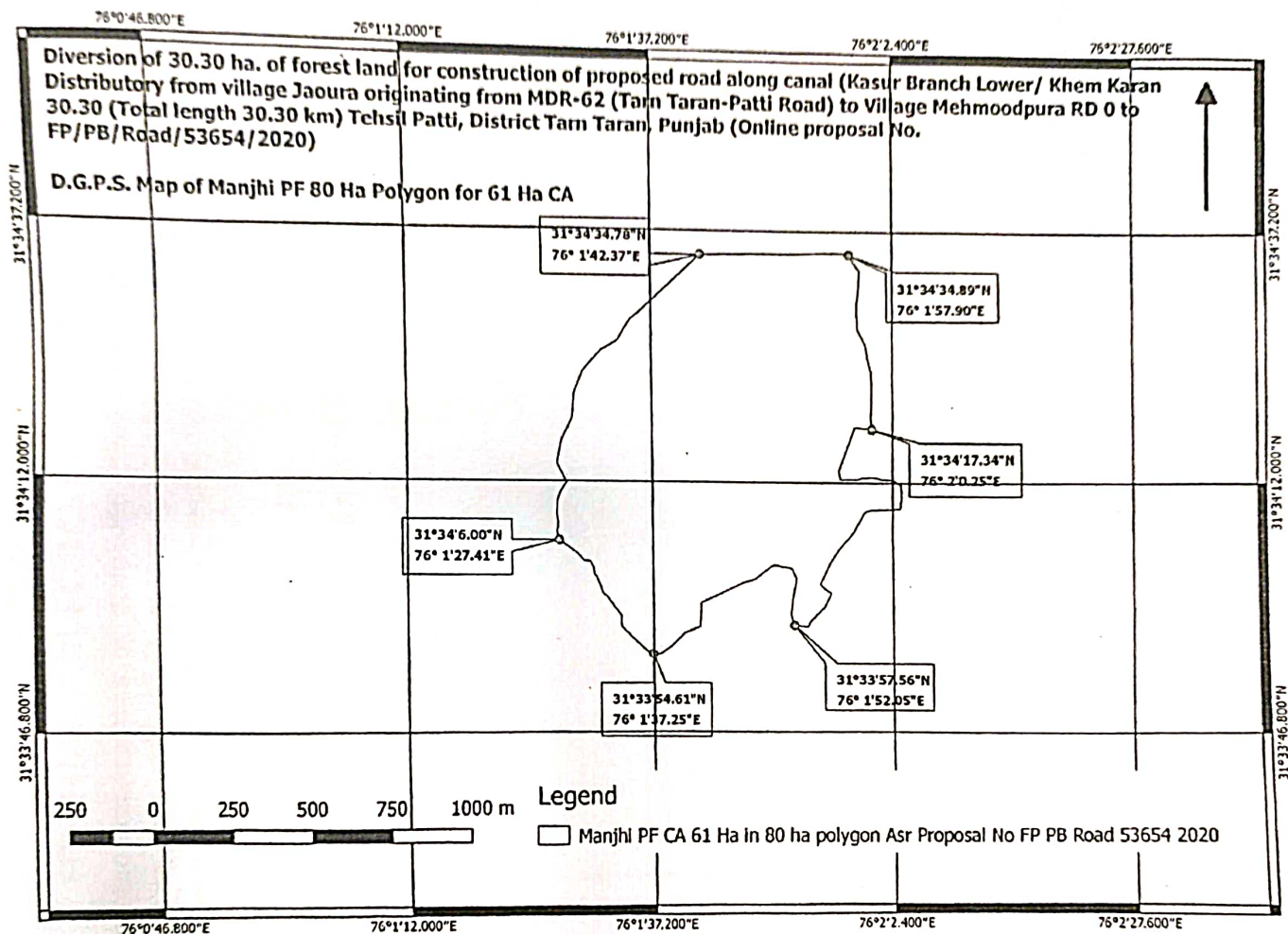
LOCATION MAP

Location Map of area identified for Compensatory Afforestation plantation in lieu of the proposal for Diversion of 30.30 ha of forest land for construction of proposed road along canal (Kasur Branch Lower/ Khem Karan Distributory from village Jaoura originating from MDR-62 (Taran Taran-Patti Road) to Village Mehmoodpura RD 0 to 30.30 (Total length 30.30 KM) Tehil Patti, District Tarn Taran, Punjab, (Online proposal No. FP/PB/Road/53654/2020).

Village: Manjhi, **PF Tehsil & District:** Hoshiarpur, **Forest Division** Hoshiarpur,
Forest Range:-Hoshiarpur **Block No./Compartment No./Survey No.:-** H.B. No.
497 **Area:-** 61 Ha CA in 80 Ha Polygon

Map attached of the area to be taken for Compensatory Afforestation.


Divisional Forest Officer
Hoshiarpur Forest Division
Hoshiarpur 22/03/2022



Divisional Forest Officer
Hoshiarpur Forest Division
Hoshiarpur
20 22/03/2022

Manjhi PF 80 ha Polygon

HOSHARPUR FOREST DIVISION

Diversion of 30.30 ha. of forest land for construction of proposed road along canal (Kasur Branch Lower/ Khem Karan Distributory from village Jaoura originating from MDR-62 (Tarn Taran-Patti Road) to Village Mehmoodpura RD 0 to 30.30 (Total length 30.30 km) Tehsil Patti, District Tarn Taran, Punjab (Online proposal No. FP/PB/Road/53654/2020)

Manjhi PF 80 Ha Polygon for 61 Ha CA

Name of Range	Name of CA Scheme Site	H.B. No./Tehsil	Area of CA Plantation Site (in Ha)	Area of CA Site Polygon (in Ha)	Latitude	Longitude
Hoshiarpur	Manjhi PF	497/Hoshiarpur	61	80	31°33'54.61"N	76°1'37.25"E
					31°34'6.00"N	76°1'27.41"E
					31°34'34.78"N	76°1'42.37"E
					31°34'34.89"N	76°1'57.90"E
					31°34'17.34"N	76°2'0.25"E
					31°34'16.97"N	76°1'58.24"E
					31°34'12.30"N	76°1'56.98"E
					31°34'11.74"N	76°2'3.24"E
					31°33'57.56"N	76°1'52.05"E
					31°33'57.25"N	76°1'42.08"E
Total			61	80		

Divisional Forest Officer
Hoshiarpur Forest Division
Hoshiarpur

22/03/2022

ਪੰਜਾਬ ਸਰਕਾਰ,
ਵਣ ਅਤੇ ਜੰਗਲੀ ਜੀਵ ਸੁਰੱਖਿਆ ਵਿਭਾਗ, ਪੰਜਾਬ,
ਦਫਤਰ ਵਣ ਮੰਡਲ ਅਫਸਰ, ਅੰਮ੍ਰਿਤਸਰ।
ਫਾਰੈਸਟ ਕੰਪਲੈਕਸ, ਤਾਰਾ ਵਾਲਾ ਪੁੱਲ, ਅੰਮ੍ਰਿਤਸਰ।
ਫੋਨ/ਫੈਕਸ ਨੰ : 0183-2585480
Email : dfoamritsar@rediffmail.com

ਸੇਵਾ ਵਿਖੇ :

ਵਧੀਕ ਪ੍ਰਧਾਨ ਮੁੱਖ ਵਣ ਪਾਲ (ਐਫ.ਸੀ)
ਅਤੇ ਨੋਡਲ ਅਫਸਰ ਐਫ.ਸੀ.ਏ,
ਪੰਜਾਬ, ਐਸ.ਏ.ਐਸ ਨਗਰ।


ਨੰਬਰ 9717 ਮਿਤੀ 02-02-2022

ਵਿਸ਼ਾ:- FP/PB/Road/37029/2018:- Div of 30.30 ha. of forest land for construction of proposed road along canal (Kasur Branch Lower/ Khem Karan Distributary) from village Joura originating from MDR-62 (Tarn Taran-Patti Road) to village Mehmoodpura RD 0 to 30300 (Total Length 30.30 km) Tehsil Patti, Distt. Tarn Taran

ਹਵਾਲਾ:- ਆਪ ਜੀ ਦੇ ਦਫਤਰ ਦਾ ਪੱਤਰ ਨੰ: I/311200/2022 ਮਿਤੀ 27-01-2022

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਤੇ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਦੇ ਸਬੰਧ ਆਪ ਜੀ ਨੂੰ ਬੇਨਤੀ ਕੀਤੀ ਜਾਂਦੀ ਹੈ ਕਿ ਭਾਰਤ ਸਰਕਾਰ ਵੱਲੋਂ ਮਿਤੀ 06-01-2022 ਰਾਹੀਂ ਰੀਵਾਇਜ਼ਡ ਕੀਤੇ ਗਏ ਐਨ.ਪੀ.ਵੀ ਦੇ ਰੇਟ ਅਤੇ ਜ਼ਿਲ੍ਹੇ ਦੇ ਵੇਜ਼ ਰੇਟ ਅਨੁਸਾਰ ਸੀ.ਏ ਸਕੀਮ ਅਤੇ ਪਾਰਟ-2 ਸ਼ੋਧਣ ਉਪਰੰਤ ਨਾਲ ਨੱਥੀ ਕਰਕੇ ਆਪ ਜੀ ਨੂੰ ਸੂਚਨਾ ਅਤੇ ਅਗਲੀ ਲੋੜੀਂਦੀ ਕਾਰਵਾਈ ਲਈ ਭੇਜੀ ਜਾਂਦੀ ਹੈ।

ਨੱਥੀ/ਉਪਰਵਾਗ


ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਅੰਮ੍ਰਿਤਸਰ।

ਪਿੱਠ ਅੰਕਣ ਨੰ:

ਮਿਤੀ

ਕਾਪੀ ਵਣ ਪਾਲ ਬਿਸਤ ਸਰਕਲ ਜੀ ਨੂੰ ਉਪਰੋਕਤ ਹਵਾਲੇ ਵਿੱਚ ਸੂਚਨਾ ਅਤੇ ਲੋੜੀਂਦੀ ਕਾਰਵਾਈ ਲਈ ਭੇਜੀ ਜਾਂਦੀ ਹੈ।
ਨੱਥੀ/ਉਪਰਵਾਗ

ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਅੰਮ੍ਰਿਤਸਰ।

Diversion of 30.30 ha. of forest land for construction of proposed road along canal (Kasur Branch Lower/Khem Karan Distributory from village Joura origination from MDR-62 (Tarn Taran-Patti Road) to Vill. Mehmoodpura RD 0 to 30.30 (Total length 30.30 Km) Tehsil Patti Distt. Tarn Taran.

Additional CA

Cost Estimate for planting of Tall plants for Additional CA Rs. 368					
			500 Plants/hac.		
	Name of Work	Unit	Unit Cost (In Rs.)	Qty	Total Amt
	Nursery				
	Nursery cost/ of raising plants (10% beating up of failure and 5% transportation wastage)	1 No	100.00	575	57500.00
A	Soil Works				0.00
1	Site /Jungle Clearance (50%)	Ha.	6019.43	0.50	3009.72
2	Alignment & Dagbailing	Ha.	984.00	1	984.00
3	Earth Work- (a) Digging of Pits 500x 0.6m x0.6m x0.5m (Medium Soil)	1M3	86.99	90	7829.10
4	Kana Stubbing 25%	Ha.	30107.67	0.25	7526.92
	Total Earth Work				76849.73
B	Plantating				
1	a) Refilling of Pits 500* 60* 60* 40	100 cum	30.10	72	2167.20
2	Loading & Unloading of Plants	100 No	2.46	500	1230.00
3	Carriage of Plants	100 No	196.80	1	196.80
4	i) Carriage from site to site	100 No	1.31	500	655.00
	ii) Planting of Plants	100 No	6.00	500	3000.00
5	Spot Irrigation (500 Plants)	100 No	5.00	500	2500.00
6	Application of Insecticide (2 times)	100 No	0.45	1000	450.00
7	Application of Fertilizers (2 times)	100 No	0.45	1000	450.00
8	Weeding & Hoeing 2 times	100 No	6.00	1000	6000.00
9	Hand Water 12 Times	100 No	5.00	6000	30000.00

Surjit Singh Sahota

Divisional Forest Officer
Amritsar Forest Division
Amritsar

Estimate for Tall Plants

12	Covering (25% plants) of plants	100 No	3.31	125	413.75
13	Uncovering of plants	100 No	0.37	125	46.25
14	Restubbing of Kana (1 time)	Ha.	9200.00	0.25	2300.00
16	Watch & Ward for every 10 Ha. (7 months)	Man year	9568.00	1 Man 7	6697.00
	Total				136409.10
	Material and Supply 3% of Plantation Cost				4092.27
	i) POL and Machinery 2% of Plantation Cost				2728.18
17	ii) Other Charges 5% of plantation Cost				6820.46
	Total material Supply				13640.91
	G. Total				150050.01

Maintenance 1 Year

1	Nursery cost raising plants 25% (including 5% transportation wastage)	No.	100	131	13100.00
2	Reopening of Pits 125 x 0.60 x 0.60 x 0.50	1 m3	66.91	22.50	1505.48
3	Refilling of pits with earth in other soils 125 x 0.60	1 m3	30.1	18	541.80
4	Loading & Unloading of Plants	1 No.	2.46	125	307.50
5	Carriage of Plants	No	500	1	500.00
6	Spreading of plants pit to pit	No	1.31	125	163.75
7	Planting Tall Plants	No	6	125	750.00
8	Spot Irrigation	No	5	125	625.00
9	Weeding & Hoeing (Twice)	No	6.0	1000	6000.00
10	App. Of Fertilizer (two times)	No	0.45	1000	450.00
11	App. Of Insecticide (two times)	No	0.45	1000	450.00
12	Hand Water 12 Times	No	6.62	6000	39720.00
13	Rejungle Clearance (2 times)	Ha.	2665.37	1.00	2065.37

Surjit Singh Sahota

Divisional Forest Officer
Amritsar Forest Division
Amritsar


14	Restubbing of Kana	Ha.	9200	0.25	2300.00
	Singling and Pruning to plants 50%	No	3.37	250	842.50
15	Watch & Ward for every 10 Ha. (10 months)	Man year	9528	1/10 Man yr.	9528.00
	Total				79449.40
	Material and Supply 3% of Plantation Cost				2383.48
	i) POL and Machinery 2% of Plantation Cost	L/s			1588.99
16	ii) Other Charges 5% of plantation Cost	L/s			3972.47
	Total				7944.94
	Total First year Mtc.				87394.34

Maintenance II Year

1	Nursery cost / raising plants 15% (including 5% transportation wastage)	No.	100	79	7900.00
2	Reopening of Pits 75 x 0.60 x 0.60 x 0.50	1 m3	66.86	13.5	902.61
3	Refilling of pits with earth in other soils 75 x 0.60	1 m3	30.1	10.8	325.08
4	Loading & Unloading of Plants	1 No.	2.46	75	184.50
5	Carriage of Plants = 75 avg. distance upto 10 km.)	500 No	196.2	1	196.20
6	Spreading of plants pit to pit	1 No.	1.31	75	98.25
7	Planting to tall plants	1 No.	6	75	450.00
8	Spot Irrigation	1 No.	5	75	375.00
9	Weeding & Hoeing	1 No.	6	500	3000.00
10	Hand Watering 18 Times 75*12	1 No.	5	900	4500.00
11	Rejungle Clearance (2 times)	Ha.	2665.37	1.00	2665.37
13	Singling and Pruning to plants 50%	1 No.	3.37	250	842.50
14	Watch & Ward for every 10 Ha.	Man/year	9528	1/10 Man yr.	9528.00
	Total				30967.51
	Material and Supply 3% of Plantation Cost	L/s			929.03
	i) POL and Machinery 2% of Plantation Cost	L/s			619.35
	ii) Other Charges 5% of plantation Cost				1548.38
	Total				3096.76
	Total 2nd year Mtc.			Sub Total	34064.27

Maintenance III Year

1	Nursery cost / raising plants 10% (including 5% transportation wastage)	1 No.	100	53	5300.00
---	---	-------	-----	----	---------


Surjit Singh Sahota

I.F.S.

Divisional Forest Officer
Amritsar Forest Division
Amritsar

2	Reopening of Pits 50 x 0.60 x 0.60 x 0.50	1 m3	66.86	9	601.74
3	Refilling of pits 50 x 0.60 x 0.60 x 0.40	1 m3	30.10	7.2	216.72
4	Loading & Unloading of Plants	1 No.	2.46	50	123.00
5	Carriage of Plants 50 avg. distance upto 10 km.)	1 No.	196.2	1	196.20
6	Spreading of plants pit to pit	1 No.	1.31	50	65.50
7	Planting to plants	1 No.	6	50	300.00
8	Spot Irrigation	1 No.	5	50	250.00
C	Maintenance				
1	One man per 10 hac. For tending operations like singling and pruning, Weeding, hand watering etc. as per site requirements and simultaneous protection work	No.	1	9568	9568.00
	Total 3rd year Mtc.				16621.16
1	4th year Maintenance				
	One man for tending operations like singling and pruning, Weeding, hand watering etc. as per site requirements and simultaneous protection work	Man/year	1	9568	9568.00
	G. Total				297697.77
	Entry Point Activities 15% of plantation cost to be realised from user agency (only for CA)				44654.67
				G.Total	342352.43
				OR Say	342400


Total cost per Plant (in Rs)

685

Cost of 13203x 2 = 26406 plants (Rs.)

18088110

Area 53 ha.


Surjit Singh Sahota
 Divisional Forest Officer,
 Amritsar Forest Division,
 Amritsar


1. This is an indicative cost model for Additional CA plantations which can be modified in a site specific manner as per site requirements. While formulating Additional CA schemes for FCA cases other site specific interventions can be incorporated.
2. For protection of plantation, site specific interventions i.e. Tree guards/ barbed wire can be incorporated and its cost is to be realised from user agency.
3. By remaining within the total annual financial outlay operations can be changed in a site specific manner after recording reasons in writing by DFO after his personal site inspection.
4. In exceptional cases if site treatment requires some additional expenditure it shall involve a prior approval from competent authority after personal inspection and certificate by DFO along with recommendation from CF.

Diversion of 30.30 ha. of forest land for construction of proposed road along canal (Kasur Branch Lower/Khem Karan Distributory from village Jaura origination from MDR-62 (Tarn Taran-Patti Road) to Vill. Mehmoodpura RD 0 to 30.30 (Total length 30.30 Km) Tehsil Patti Distt. Tarn Taran.

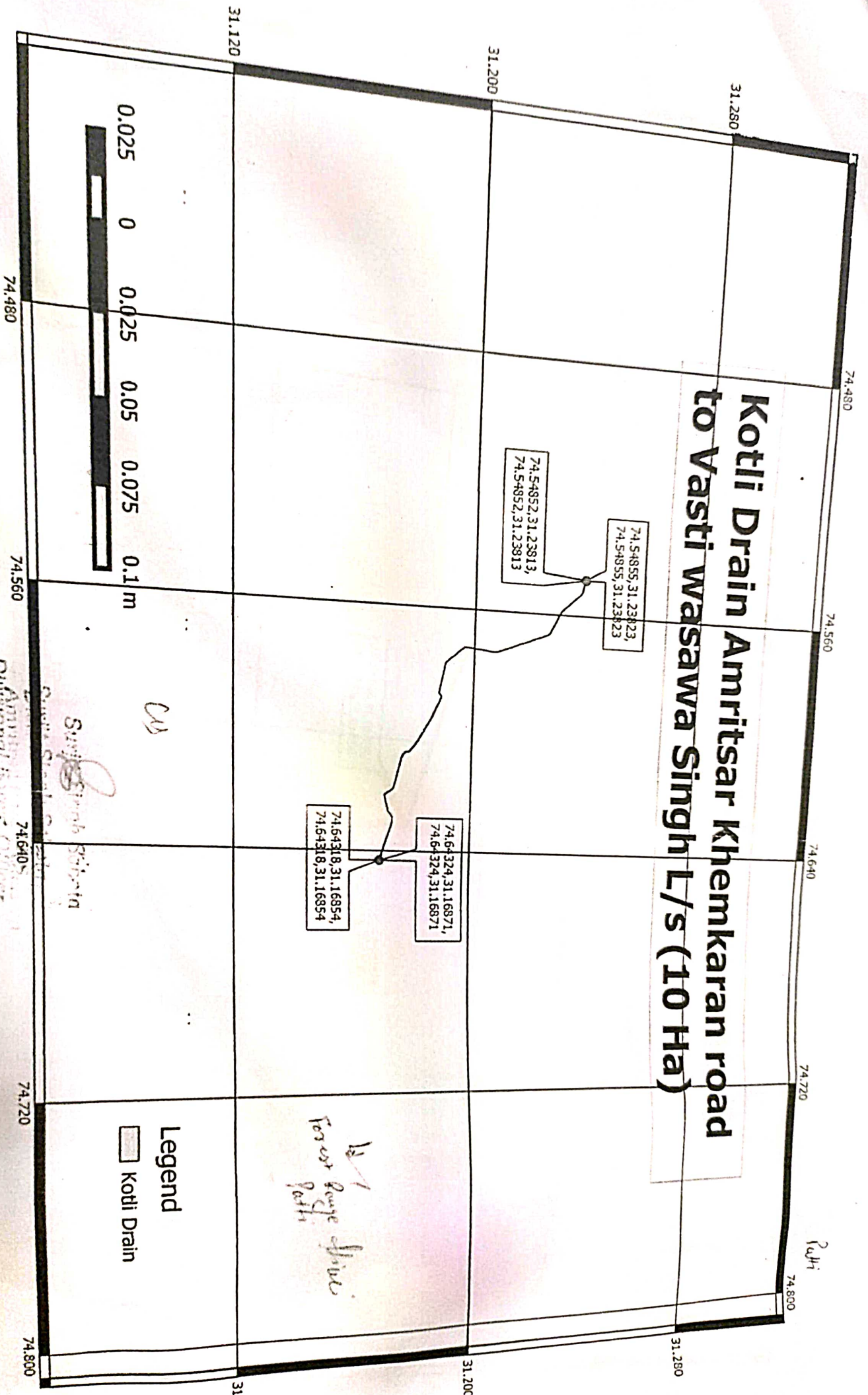
Annexure - I Additional CA Sites

S.No	Name of the CA Sites	Name of the Range	Area in (ha) Actual	Area in (ha) Proposed	GPS Coordinates
3	Kotli Drain Amritsar Khemkaran road to Vasti Vasawa Singh L/s	Patti	11.4	10 Ha	31°10'6.97"N 74°38'35.28"E 31°11'11.60"N 74°35'37.29"E
5	Chinna Minor RD 0 to Tail B/s	Amritsar-1	6.03	5 Ha	31°48'51.43"N 74°44'15.07"E 31°49'25.75"N 74°42'40.08"E
6	KBL RD Dharar pul to Sekh Fatehpur L/s	Rayya-1	7.64	5 Ha	31°48'59.68"N 74°56'29.69"E 31°48'13.56"N 74°52'10.41"E
Total Area of CA Site			25.07	20 HA	

Actual C.A Sites Area = 25.07 ha.
Proposed C.A Sites Area = 17.96 ha.

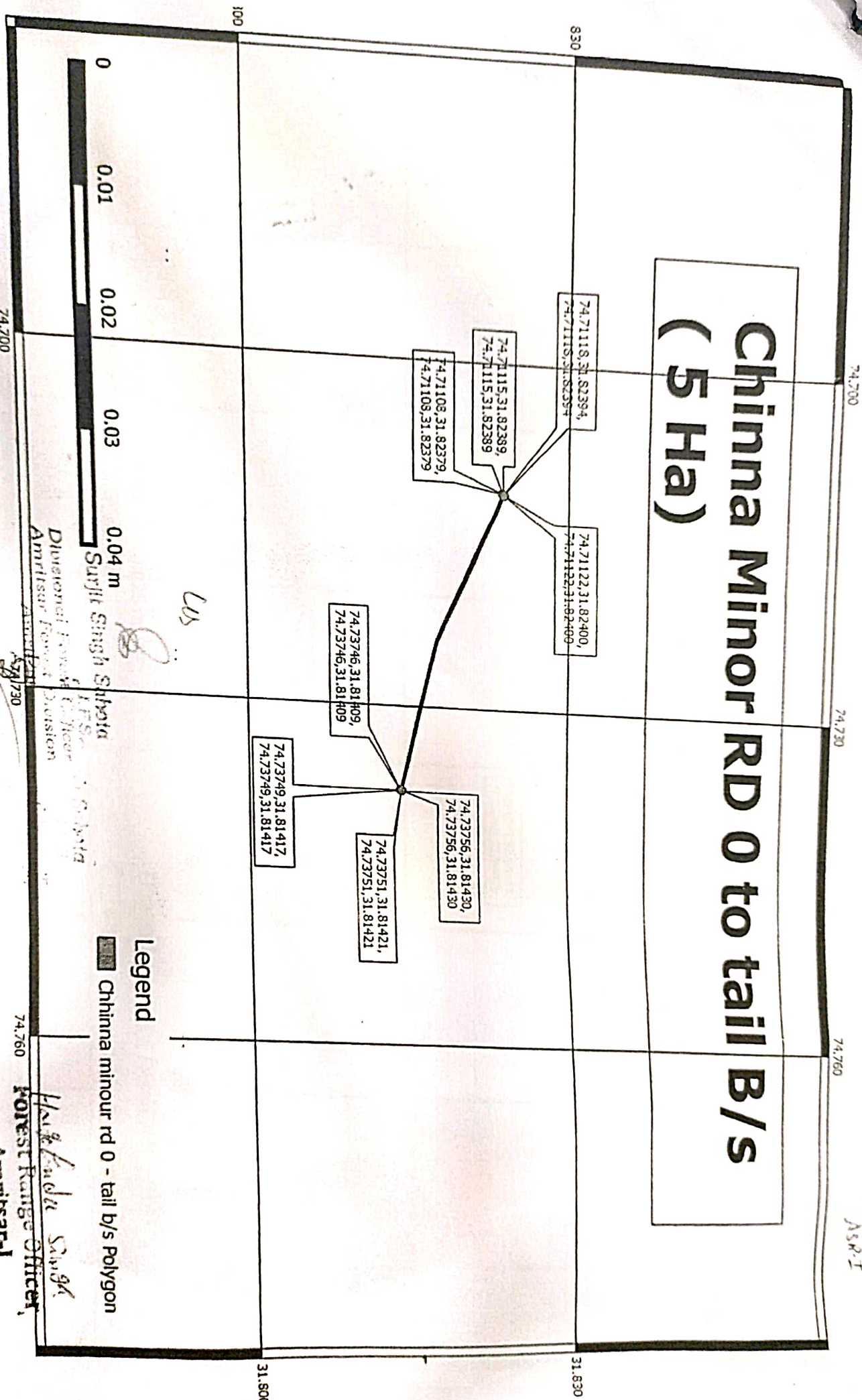

Surjit Singh Sahota
I.F.S.
Divisional Forest Officer
Amritsar Forest Division
Amritsar

Kotli Drain Amritsar Khemkaran road to Vasti wasawa Singh L/s (10 Ha)



Amritsar
Divisional Forest Officer
Amritsar Forest Division
Amritsar

Chinna Minor RD 0 to tail B/s (5 Ha)

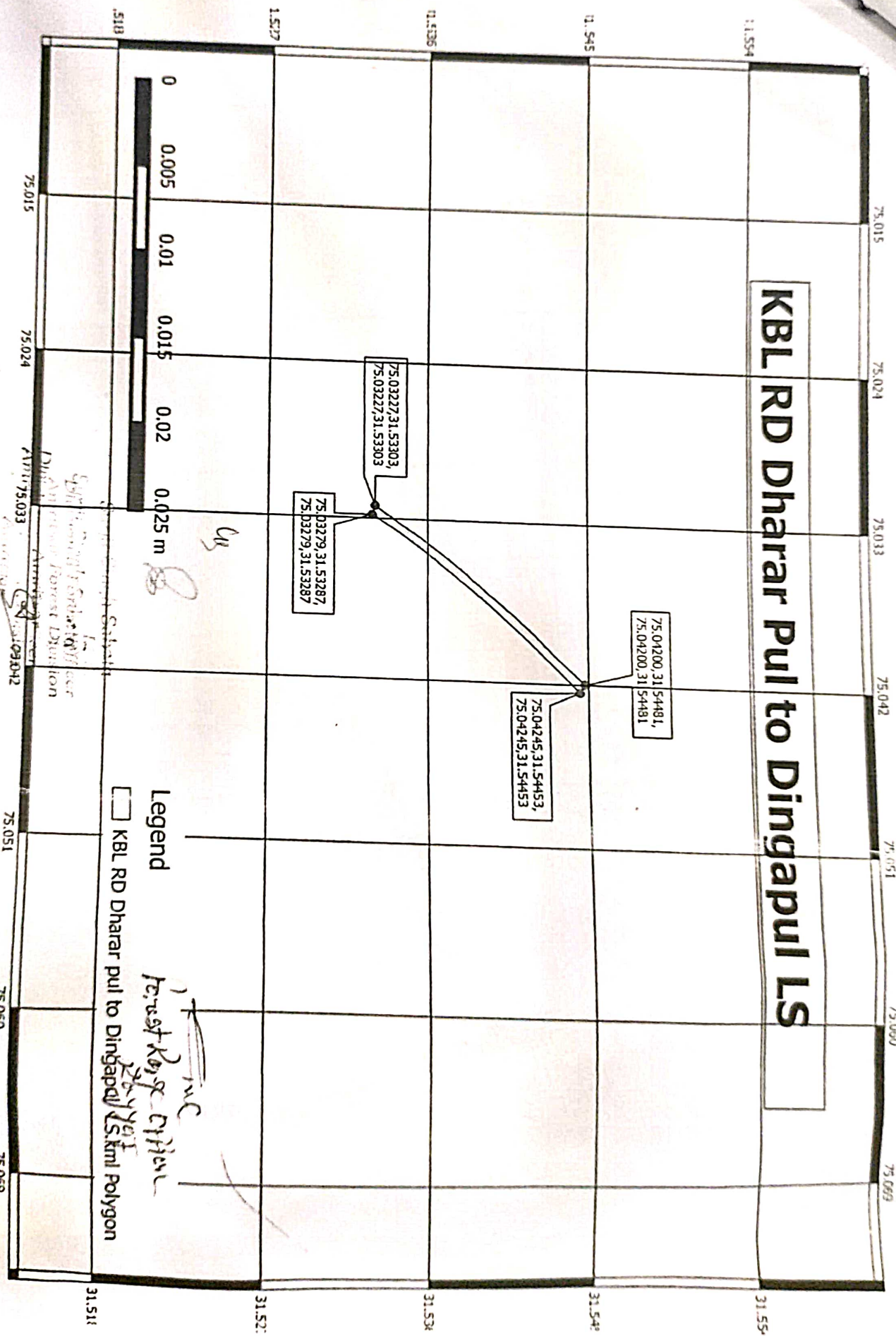


Legend

Chinna minor rd 0 - tail b/s Polygon

Amritsar-1
Forest Range Officer

KBL RD Dharar Pul to Dingapul LS



75.04200, 31.54481,
75.04200, 31.54481

75.04245, 31.54453,
75.04245, 31.54453

75.03279, 31.53287,
75.03279, 31.53287

75.03227, 31.53303,
75.03227, 31.53303

Handwritten notes:

- Forest Dept
- KBL RD Dharar pul to Dingapul LS.kml Polygon
- Range Kuyat (560) (764)

Legend

☐ KBL RD Dharar pul to Dingapul LS.kml Polygon

TOTAL	6.32
G.TOTAL	54.95


Diversion of 30.30 ha. of forest land for construction of proposed road along canal (Kasur Branch Lower/Khem Karan Distributory from village Jaura originating from MDR-62 (Tarn Taran-Patti Road) to Vill. Mehmoodpura RD 0 to 30.30 (Total length 30.30 Km) Tehsil Patti Distt. Tarn Taran.

(59)

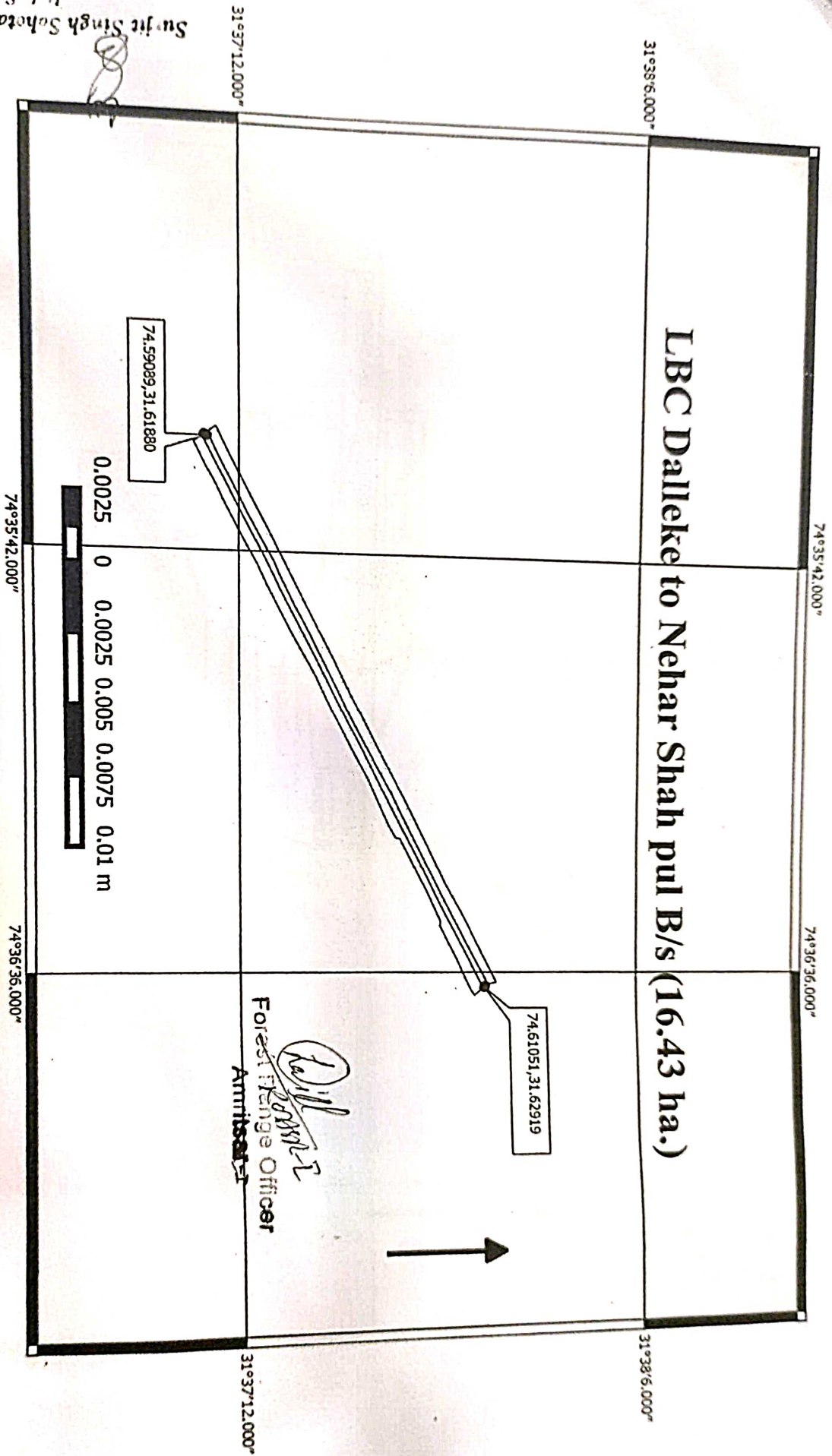
Annexure-2

Addl. CA Sites

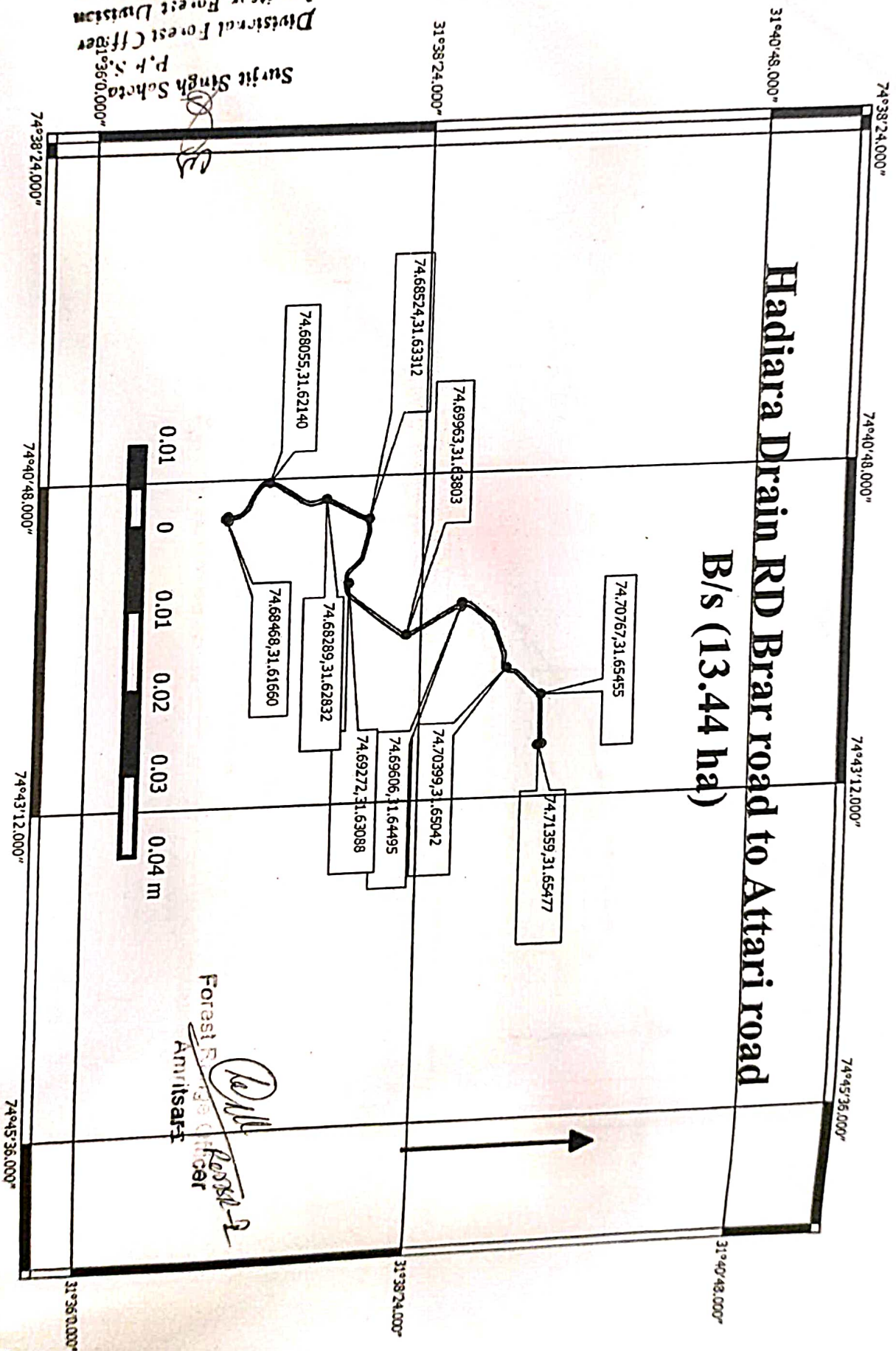
Sr No.	Name of the CA site	Name of Range	Area (in ha)	GPS Coordinates
1	LBC Dalleke to Nehar shah pul B/s	Amritsar-1	16.43	31°37'45.09"N 74°36'37.78"E 31°37'07.51"N 74°35'27.45"E
2	Hardiara Drain RD Brar road to Attari road B/s	Amritsar-1	13.44	31°39'17.87"N 74°42'48.71"E 31°39'16.53"N 74°42'48.91"E 31°38'41.81"N 74°41'45.16"E 31°38'41.45"N 74°41'46.88"E 31°36'59.21"N 74°41'03.95"E 31°36'59.38"N 74°41'05.80"E
		TOTAL	29.87	
3	Sarhali Disty Rd 0-35 B/s	Patti	8.76	31°18'44.56"N 75°00'54.65"E 31°17'09.58"N 74°56'48.06"E
4	MBL RD 221-228 R/s	Patti	10	31°24'55.12"N 74°37'51.01"E 31°24'05.38"N 74°36'50.44"E
		TOTAL	18.76	
5	Sathiala drain batal beas road to rayya b/s	Rayya-2	6.32	31°35'39.20"N 75°17'07.41"E 31°35'28.96"N 75°16'36.31"E 31°34'27.75"N 75°15'56.62"E 31°33'40.46"N 75°15'33.56"E 31°32'46.64"N 75°14'33.86"E
		TOTAL	6.32	
		G.TOTAL	54.95	


 Divisional Forest Officer,
 Amritsar Forest Division,
 Amritsar
 Amritsar

Surjit Singh Sahota
Divisional Forest Officer
Amritsar Forest Division
P. R. S.



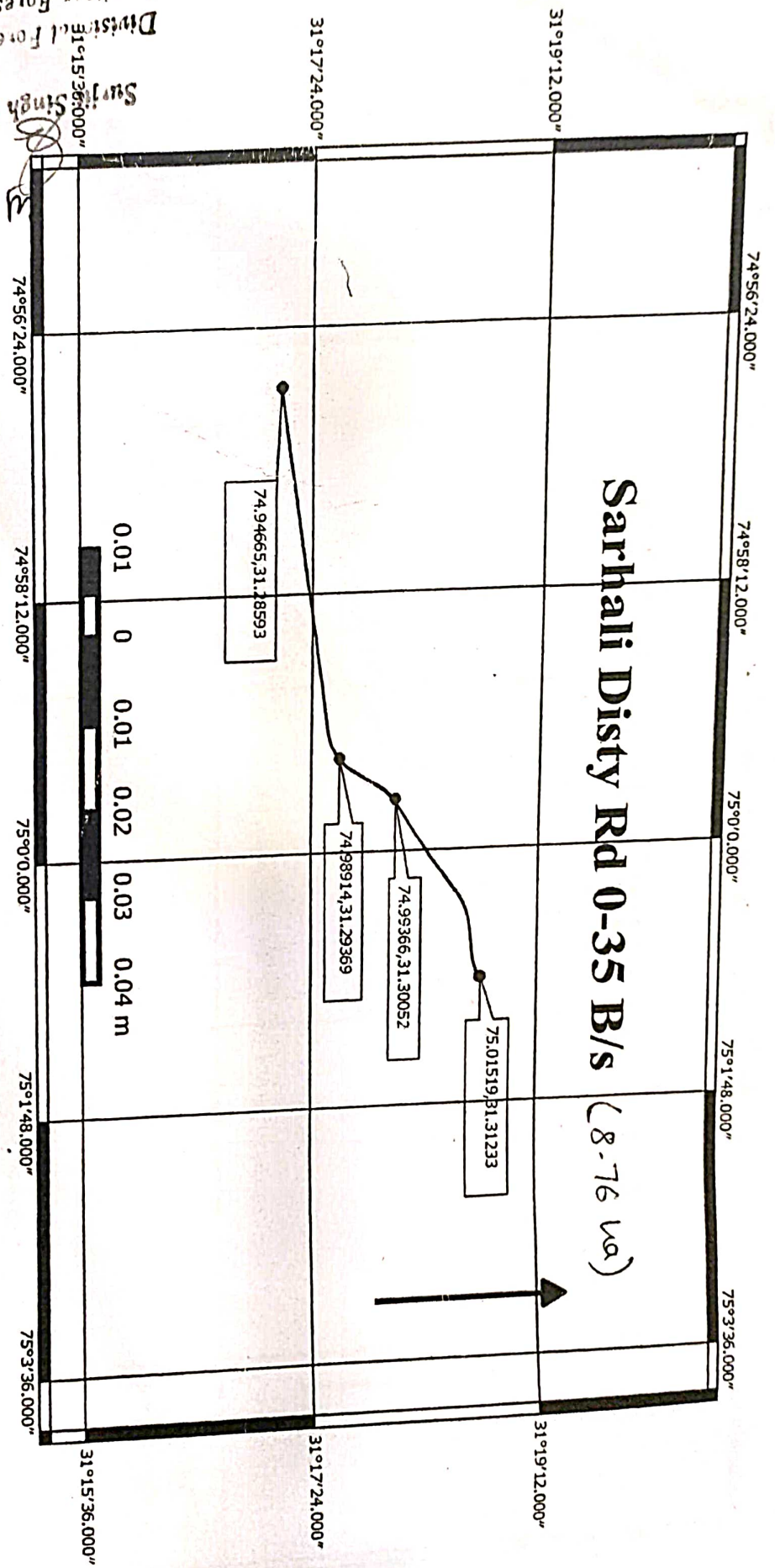
Hadiara Drain RD Brar road to Attari road B/s (13.44 ha)



Surjit Singh Sohta
P.H. 5/36/0.000"
Divisional Forest Officer
Amritsar Forest Division

Forest Officer
Amritsar

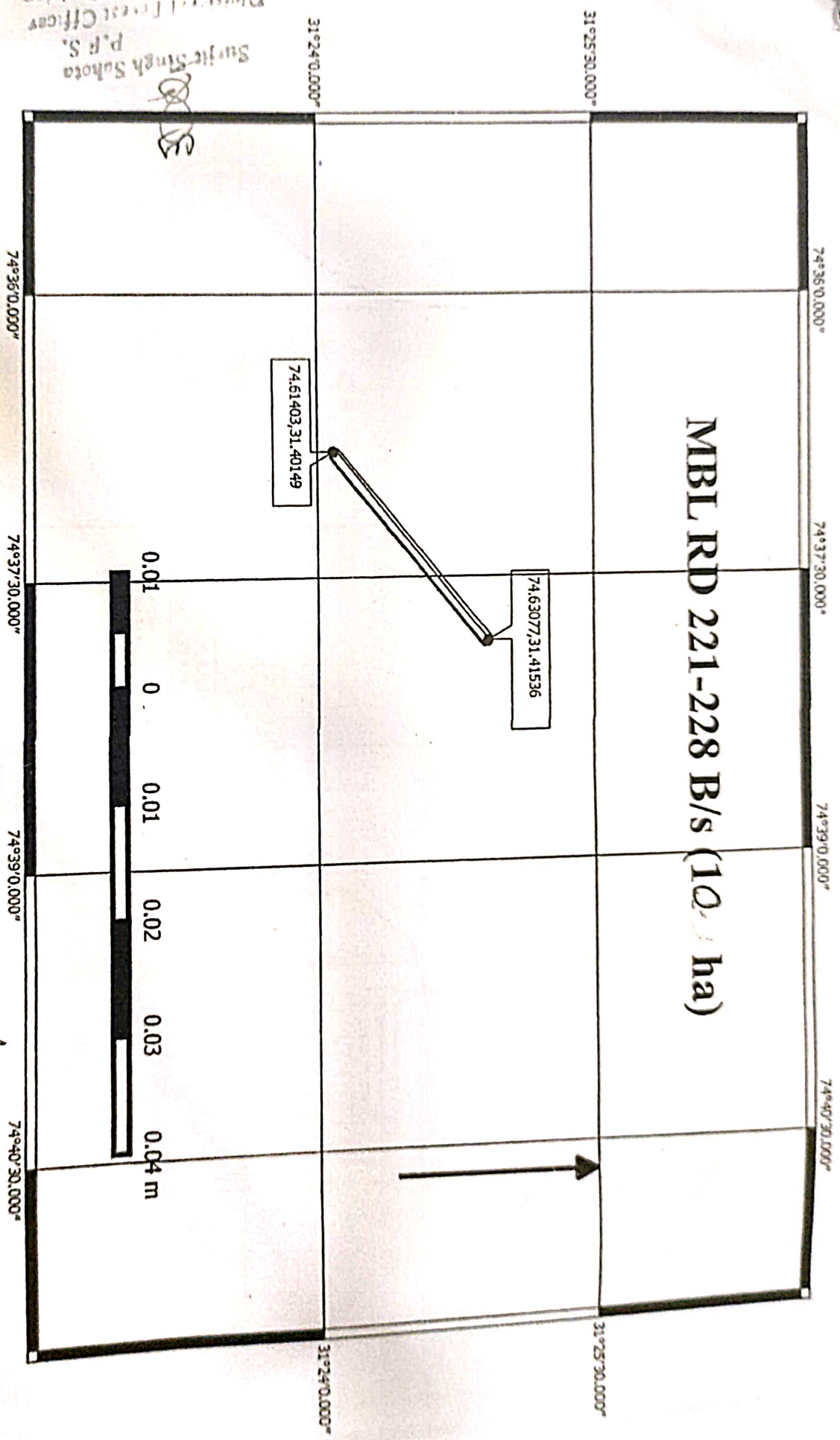
District Forest Officer
 Amritsar Forest Division
 Singh Sahota
 P.F.S.
 31°15'36.000"



Forest Range Officer
 PATIL

Surjit Singh Sahota
P.F.S.
District Forest Officer
Amritsar Forest Division

MBL RD 221-228 B/s (10 ha)



Idhar Singh
Forest Range Officer
PATIL

75.120 75.160 75.200 75.240 75.280 75.320 75.360

31.640 31.600 31.560 31.520

Sathiala Drain Batala Beas Rroad to Rayya B/s (6.32 Ha)

ds

Surjit Singh Sahota
I.F.S.
Divisional Forest Officer
Amritsar Forest Division
Amritsar

75.24271, 31.54633,
75.24271, 31.54633
75.24274, 31.54626,
75.24274, 31.54626

75.24269, 31.54639,
75.24269, 31.54638

75.24277, 31.54623,
75.24277, 31.54623

75.28538, 31.59428,
75.28538, 31.59428

75.28542, 31.59418,
75.28542, 31.59418

75.28539, 31.59425,
75.28539, 31.59425
75.28540, 31.59421,
75.28540, 31.59421

Legend
Sathiala drain b/s



75.120 75.160 75.200 75.240 75.280 75.320 75.360

63A

Diversion of 30.30 ha. of forest land for construction of proposed road along canal (Kasur Branch Lower/Khem Karan Distributory from village Joura origination from MDR-62 (Tarn Taran-Patti Road) to Vill. Mehmoodpura RD 0 to 30.30 (Total length 30.30 Km) Tehsil Patti Distt. Tarn Taran.

"LAND SUITABILITY CERTIFICATE BY DFO CONCERNED"

This certified that 53 ha. Land bearing survey No./compartment No. Annexure 1&2 of village. ... Annexure 1&2 ... Teh... Annexure 1&2 District. ... Amritsar&Tarn Taran.... identified for Compensatory Afforestation is suitable for plantation for management point of view and is free from all sorts of encumbrances and encroachment.

Place... ASR

Date... 25/3/2022

(Divisional Forest Officer)
Sd/- [Signature] I.F.S.
Divisional Forest Division
Amritsar Forest Division
Office Seahritsar.....
[Signature]

Diversion of 30.30 ha. of forest land for construction of proposed road along canal (Kasur Branch Lower/Khem Karan Distributory from village Jaura originating from MDR-62 (Tarn Taran-Patti Road) to Vill. Mehmoodpura RD 0 to 30.30 (Total length 30.30 Km) Tehsil Patti Distt. Tarn Taran.

Revised NPV

Revised NPV					
				Wage Rate: 353/-	
				Plants Per ha. 1000 No.	
Plantation Model for Standard Plantation under Compensatory Afforestation					
Advance Work and Plantation					
	Name of Work	Unit	Qty	Unit Cost (In Rs.)	Total Amt
	Nursery				
	Cost of raising plants	1.100	1100	21.52	23676.83
A	Soil Works				
1	Site /Jungle Clearance (50%)	Ha.	0.50	5776.31	2888.15
2	Alignment & Dagbailing	Ha.	1	1059.00	1059.00
3	Earth Work- (a) Digging of Pits 1000x 0.5m x0.5m x0.4m	1M ³	100	109.11	10910.71
4	Kana Stubbing 25%	Ha.	0.25	28881.43	7220.36
B	Plantation Work				
1	a) Refilling of Pits 1000 x 0.5m x0.5m x0.4m	100 cum	75	2956.38	2217.28
2	Loading & Unloading of Plants (1000+10% Wastage=1100)	100 No	1100	591.92	6511.13
3	Carriage of Plants (1000+10% Wastage=1100 avg. distance upto 10 km)	100 No	1100	211.80	2329.80
4	i) Carriage from site to site	100 No	1000	141.20	1412.00
	ii) Planting of Plants (1000 No Including 10% replacement)	100 No	1000	1059.00	10590.00
5	Spot Irrigation (1000 Plants)	100 No	1000	220.63	2206.25
6	Application of Insecticide (2 times)	100 No	1000	44.13	441.25
7	Application of Fertilizers (2 times)	100 No	1000	44.13	441.25
8	Weeding & Hoeing 3 times	100 No	3000	384.77	11543.10
9	Hand Watering (12 Times)	100 No	12000	220.63	26475.00
10	Replanting of Plants 10%	100 No	100	623.25	623.25
11	Rejungle Clearance (2 times)	Per Ha.	1	2559.25	2559.25
12	Covering (25% plants) of plants	100 No	250	317.70	794.25
13	Uncovering of plants	100 No	250	35.30	88.25
14	Restubbing of Kana (1 time)		0.25	28881.75	7220.44
15	Laying out & fixing of Barbed Wire	L/s			7872.00
16	Watch & Ward for every 10 Ha. (7 months)	Man year	1Man 7 Month	9178.00	9178.00
17	Material				
	i) Insecticides/Fertilizers	L/s			5000.00
	ii) POL	L/s			5000.00
	iii) Barbed Wire& fencing	L/s			50000.00
			Sub Total		198257.55
Maintenance I Year					

Surjit Singh Sahota

Divisional Forest Officer
Amritsar Forest Division
Amritsar
Estimate Final

2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 m3	21.60	64.17	1341.68
3	Refilling of pits with earth in other soils 300	1 m3	21.6	29.56	618.08
4	Loading & Unloading of Plants	1 No.	300	2.65	794.25
5	Carriage of Plants (300+10% Wastage=330 avg. distance upto 10 km.)	100 No	1	211.15	211.15
6	Spreading of plants pit to pit	100 No	165	141.20	232.98
7	Re-planting Tall Plants	100 No	165	354.16	584.37
8	Spot Irrigation	100 No.	165	220.63	364.03
9	Weeding & Hoeing (thrice)	100 No	3000	384.77	11543.10
10	App. Of Fertilizer (two times)	100 No	1000	44.13	441.25
11	App. Of Insecticide (two times)	100 No	1000	44.13	441.25
12	Hand watering (6 times)	100 No	6000	384.77	23086.20
13	Rejungle Clearance (2 times)	Per Ha.	1.00	2559.25	2559.25
14	Restubbing of Kana	Per Ha.	0.25	28881.43	7220.36
15	Watch & Ward for every 10 Ha. (10 months)	Man year	1/10 Man yr.	9178.00	9178.00
16	Repair of Barbed wire	L/s			5000.00
17	POL & Machinery	L/s			5000.00
18	Material and supply	L/s			5000.00
			Sub Total		80073.27
Maintenance II Year					
1	Cost of raising plants for 15% replacement	No.	150	21.52	3228.66
2	Reopening of Pits 250 x 0.60 x 0.60 x 0.40	1 m3	21.6	64.17	644.00
3	Refilling of pits with earth in other soils 250 x 0.60 x 0.60 x 0.40	1 m3	21.6	29.56	296.68
4	Loading & Unloading of Plants	1 No.	75	2.65	198.56
5	Carriage of Plants = 75 avg. distance upto 10 km.)	100 No	1	211.15	211.15
6	Spreading of plants pit to pit	100 No	75	141.20	105.90
7	Re-planting to tall plants	100 No	75	246.55	184.91
8	Spot Irrigation	100 No.	75	220.63	165.47
9	Weeding & Hoeing (twice)	100 No	2000	384.77	7695.40
10	Hand Watering 5 Times	100 No	500	220.63	11031.25
11	Rejungle Clearance (2 times)	Per Ha.	1.00	2559.25	2559.25
12	Pruning to plants	100 No.	100	417.15	417.15
14	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9178.00	9178.00
15	Repair of Barbed wire	L/s			5000.00
16	POL & Machinery	L/s			5000.00
17	Material and supply	L/s			5000.00
			Sub Total		50916.39
Maintenance III Year					
1	Cost of raising plants for 10% replacement	1 No.	100	21.52	2152.44
2	Reopening of Pits 200 x 0.50 x 0.50 x 0.40	1 m3	10	6417.50	429.34
3	Refilling of pits with earth in other soils 100 x 0.60 x 0.60 x 0.40	1 m3	7.5	29.56	197.78
4	Loading & Unloading of Plants	1 No.	100	2.65	264.75
5	Carriage of Plants 200 avg. distance upto 10 km.)	100 No	100	1.08	107.62

Surjit Singh Sahota
I.F.S.
Divisional Forest Officer
Amritsar Forest Division
Amritsar

6	Spreading of plants pit to pit	100 No	100	141.20	141.20
7	Re-planting to plants	100 No	100	246.55	246.55
8	Spot Irrigation	100 No.	100	220.63	220.63
9	Weeding & Hoeing (Twice)	100 No	2000	384.77	7695.40
10	Hand Watering (5 times)	100 No	5000	220.63	11031.25
11	Pruning to plants 20%	100 No.	200	417.15	834.31
12	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9178.00	9178.00
13	Repair of Barbed wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and supply	L/s			5000.00
			Sub Total		47499.26

Maintenance IV Year

1	Cost of raising plants for 15% replacement	1 No.	50	21.52	1076.22
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.40	1 m3	5	6417.50	429.34
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m3	3.75	29.56	197.78
4	Loading & Unloading of Plants	1 No.	50	2.65	132.38
5	Carriage of Plants = 150 avg. distance upto 10 km.)	100 No	50	1.08	53.81
6	Spreading of plants pit to pit	100 No	50	141.20	70.60
7	Re-planting to plants	100 No	50	246.55	123.28
8	Spot Irrigation	100 No.	50	220.63	110.31
9	Weeding & Hoeing (Twice)	100 No	2000	384.77	7695.40
10	Hand Watering (4 times)	100 No	4000	220.63	8825.00
11	Pruning to plants 30%	100 No.	300	417.15	1251.46
12	Watch & Ward for every 10 Ha.	Man year	1/10 Man yr.	9178.00	9178.00
13	Repair of Barbed wire	L/s			5000.00
14	POL & Machinery	L/s			5000.00
15	Material and supply	L/s			5000.00
			Sub Total		44143.57

Maintenance V Year


1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00

Maintenance VI Year

1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00

Maintenance VII Year

1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00



 Surjit Singh Sahota
 Divisional Forest Officer
 Amritsar Forest Division
 Amritsar

Maintenance VIII Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00
Maintenance IX Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00
Maintenance X Year					
1	Watch and Ward every 10 ha. (10 Months)	Man Year	1/10 Man yr.	9178.00	9178.00
			Sub Total		9178.00
	Over Head expenses 5%				475958.04
	Wages Enhancement 10%				23797.90
					47595.80
			G.Total		547351.75
			Or Say		547352.00

Net present value as fixed by Govt. for
b) open area diverted @ Rs 1357110 lac
per ha.

41120433

G.Total 41120433


D. Singh
Amritsar Forest Division,
Amritsar.
Divisional Forest Officer
Amritsar Forest Division
Amritsar