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Full Title of the Projects:- Diversion of 0.060216 ha of forest land permission for passage to Cattle Breeding Farm at Vill: Rouni on Patiala-Nabha road Km 9-10 L/S Jahlān Distributory RD Nabha road to Railway line (0-1) R/S under forest Division Patiala, Punjab.

ESTIMATED COST PER HA. FOR PLANTATION OF SALINE AND ALKALINE AREAS					
Labour Rate :321/-					
Plants/Ha.:1000					
	COMPONENTS	QTY	UNITS	UNIT/COST	TOTAL COST
A.	NURSERY				
	Nsy. cost including 10% failure	1100	No.	13.68	15047.88
B.	SOIL WORKING				
1	Site Clearnace				
	i) Jungle Clearance	0.25	Ha.	5250.64	1312.66
	ii) Ploughing (Twice)	2	Ha.	5814.99	11629.98
2	Alignment & Dag bailing	1	Ha.	1599.25	1599.25
3	EARTH WORK				
	Channels 2500m x .5m x .30 m	605	cum.	98.8427	59799.83
	Pasels 400 m x .5 m x .4 m				
	M.Khal 100 m x .1m x .5 m				
	Slots 1000m x .5m x .5m x .4m				
	(1000 augur holes manually or tractor driven wherever required as per site conditions)				
	Total Cost on advance work				89389.59
C.	PLANTATION				
1	Loading & unloading (plants)	1100	No.	0.38	417.65
2	Carriage of plants(average lead 10 km.)	1100	No.	1.91	2100.88
3	i) Planting	1000	No.	3.45	3451.61
	ii) Carriage of plants from site to site	1000	No.	0.12	115.05
	iii) Refilling of Pits	1000	No.	0.99	989.46
4	Application of Gypsum	1000	No.	0.38	379.68
5	Application of FYM	1000	No.	0.38	379.68
6	Application of insecticides to Plants	1000	No.	0.38	379.68
	Spot irrigation	1000	No.	2.86	2864.84
D.	MAINTENANCE				
1	Application of fertilizer (Twice)	2000	No.	0.38	759.35
2	Replacement of failure including reopening of slots 10%	100	No.	9.31	930.78
3	Weeding & hoeing 3 times	3000	No.	3.45	10354.84
4	Flow irrigation 10 times	10	Ha.	639.51	6395.15
7	Watch & ward one labourer for each 10 Ha. of Plantation				8346.00
8	Harrowing twice between line	2	Ha.	3197.57	6395.15
9	Clearnace of trenches,pasels & khals(twice)	6000	M	1.90	11390.32

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10	Covering (50% Plants)	500	No.	2.86	1432.42
11	Un-covering	500	No.	0.31	155.32
E.	<u>MATERIAL</u>	-	-		0.00
2	Insecticides	5	Lts.	614.90	3074.52
3	Fertilizers	100	Kg.	9.83	982.56
4	Gypsum including carriage	50	Qtl.	209.06	10453.21
5	FYM	50	Qtl.	98.37	4918.55
		Total 1 Year			76666.71
FIRST MAINTENANCE OF PLANTATION					
A.	NURSERY				
	Nsy. cost including 20% failure	200	No.	13.68	2735.98
B	<u>PLANTATION</u>	-	-		
1	Loading/unloading of plants	200	No.	0.38	75.94
2	Carriage of plants	200	No.	1.91	381.98
3	Replanting including reopening of slots & carriage from site to site	200	No.	6.48	1295.51
4	Spot irrigation	200	No.	2.86	572.97
C.	<u>MAINTENANCE</u>		-		
1	Weeding & hoeing 3 times	3000	No.	3.45	10354.84
2	Flow irrigation 4 times	4	Ha.	639.51	2558.06
3	Application of fertilizer 3 times	3000	No.	0.38	1139.03
5	Harrowing twice between line	2	Ha.	3197.57	6395.15
6	Clearnace of trenches	3000	M	1.91	5729.68
7	Watch & Ward				8346.00
		Total II Year			39585.12
SECOND MAINTENANCE OF PLANTATION					
1	Flow irrigation	3	Ha.	639.51	1918.54
2	Weeding (Twice)	2000	No.	3.45	6903.23
	Clearance of trenches,pasels & khals	3000	M	1.91	5729.68
5	Watch & Ward				8346.00
		Total III Year			22897.45
THIRD MAINTENANCE OF PLANTATION					
1	Flow irrigation (twice)	2	Ha.	639.51	1279.03
3	Watch & Ward				8346.00
					9625.03
FOURTH MAINTENANCE OF PLANTATION					
1	Flow irrigation (twice)	2	Ha.	639.51	1279.03
3	Watch & Ward				8346.00
					9625.03
FIFTH MAINTENANCE OF PLANTATION					
1	Flow irrigation (twice)	2	Ha.	639.51	1279.03

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24 JUL 2015

Ajit Kulkarni, IFS
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Patiala Forest Division,
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24 JUL 2015