

ਨੰਬਰ 8073

ਮਿਤੀ 24/3/2022

ਵੱਲੋਂ- ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਸੰਗਰੂਰ।

ਵੱਲ- M/s Dallanwal Non Conventional Power generation pvt Ltd,
Vill- Gujran,
Sangrur

Sub:- Diversion of 0.46 hec of forest land for setting up Mini Hydel Project by M/s Dallanwala Non conventional power Generation pvt Ltd on GBC RD 23-24 R/s at Vill- Gujran, under forest Division & District- Sangrur Punjab State. Proposal No. FP/PB/Others/10181/2015.

ਹਵਾਲਾ:- ਇਸ ਦਫਤਰ ਦੇ ਪੱਤਰ ਨੰਬਰ 6696 ਮਿਤੀ 18.01.2022. ਦੀ ਅਨੁਵਿਰਤੀ ਵਿੱਚ।

ਉਪਰੋਕਤ ਵਿਸੇ ਤੇ ਹਵਾਲੇ ਅਧੀਨ ਪੱਤਰ ਰਾਹੀਂ ਭਾਰਤ ਸਰਕਾਰ ਤੋਂ ਪ੍ਰਾਪਤ ਇੰਨ.-ਪ੍ਰਿਸੀਪਲ ਪ੍ਰਵਾਨਗੀ ਮੁਤਾਬਿਕ ਹੇਠ ਲਿਖੇ ਅਨੁਸਾਰ ਫੀਸ ਕਰਕੇ ਚਲਾਨ ਦੀ ਕਾਪੀ ਇਸ ਦਫਤਰ ਵਿੱਚ ਜਮਾ ਕਰਵਾਈ ਜਾਵੇ -

- 1 ਕੰਪਨਸੇਟਰੀ ਅਫਾਰਸਟੇਸਨ ਦੀ ਬਣਦੀ ਰਕਮ 666401/ ਰੁਪਏ, ਜਮਾ ਕਰਵਾ ਕੇ ਚਲਾਨ ਦੀ ਕਾਪੀ ਇਸ ਦਫਤਰ ਵਿੱਚ ਜਮਾ ਕਰਵਾਈ ਜਾਵੇ।
- 2 ਇੱਥੇ ਆਪ ਨੂੰ ਲਿਖਿਆ ਜਾਦਾ ਹੈ ਕਿ ਭਾਰਤ ਸਰਕਾਰ ਜੀ ਦੇ ਪੱਤਰ ਨੰ. File no.5-3/2011-FC (VOI-I) ਮਿਤੀ 06.01.2022 ਰਾਹੀਂ ਐਨ.ਪੀ.ਵੀ ਦੇ ਰੇਟ ਰਿਵਾਇਜ ਹੋਏ ਹਨ ਜਿਸ ਕਾਰਨ ਹੁਣ ਐਨ.ਪੀ.ਵੀ ਦੀ ਫੀਸ ਦਾ ਰੇਟ ਰਿਵਾਇਜ ਹੋ ਕੇ 624270/-ਰੁਪਏ, ਜਮਾ ਕਰਵਾ ਕੇ ਚਲਾਨ ਦੀ ਕਾਪੀ ਇਸ ਦਫਤਰ ਵਿੱਚ ਜਮਾ ਕਰਵਾਈ ਜਾਵੇ।
- 3 Tall Plants ਦੀ ਬਣਦੀ ਰਕਮ 270400/ ਰੁਪਏ, ਜਮਾ ਕਰਵਾ ਕੇ ਚਲਾਨ ਦੀ ਕਾਪੀ ਇਸ ਦਫਤਰ ਵਿੱਚ ਜਮਾ ਕਰਵਾਈ ਜਾਵੇ।

ਉਪਰੋਕਤ ਰਕਮਾਂ 7 ਦਿਨਾਂ ਦੇ ਅੰਦਰ-ਅੰਦਰ ਜਮਾ ਕਰਵਾ ਕੇ ਇਸ ਦਫਤਰ ਨੂੰ ਭੇਜੀ ਜਾਵੇ ਤਾਂ ਜੋ ਇਸ ਕੇਸ ਦੀ ਫਾਈਨਲ ਪ੍ਰਵਾਨਗੀ ਪ੍ਰਾਪਤ ਕਰਵਾਉਣ ਲਈ ਉੱਚ ਅਧਿਕਾਰੀਆਂ ਨੂੰ ਲਿਖਿਆ ਜਾ ਸਕੇ।

ਵਣ ਮੰਡਲ ਅਫਸਰ,
ਸੰਗਰੂਰ।

Wage Rate : Rs. 368.05

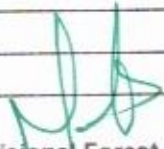
Plantation Model For Standard Plantation under Compensatory Afforestation
Plants Per Hectare : 1000 Nos.



Sr. No.	Name of Work	Unit	Qty.	Unit Cost (in Rs.)	Amount
	Nursery				
	Nursery cost of raising plants	1100	1100	22.45	24689.50
	A Soil Work				
1	Site / Jungle Clearance (25%)	Ha.	0.5	6022.60	3011.30
2	Alignment & Dagbaling	Ha.	1	1104.20	1104.20
3	Earth works in Digging of Pits 1000 x 0.5 m x 0.5 m x 0.4 m	1 M3	100	113.75	11375.40
5	Kana Stubbing 25%	Ha.	0.25	30112.80	7528.20
	B Plantation Work				
1	Refilling of Pits 1000x0.5mx0.5mx0.3	100 cum	75	3082.40	2311.80
2	Loading & Unloading of Plants (1000+10% Wastage=1100)	100 No.	1100	617.16	6788.76
3	Carriage of Plants (1000+10% wastage =1100 avg. distance upto 10 km.)	100 No.	1100	220.83	2429.13
4	i) Carriage from site to site	100 No.	1000	147.22	1472.20
	ii) Planting of Plants (1000 No. including 10% replacement)	100 No.	1000	1104.15	11041.50
5	Spot Irrigation (1000 Plants)	100 No.	1000	230.03	2300.30
6	Application of Insecticide (2 Times)	100 No.	2000	46.01	920.10
7	Application of Fertilizers (2 Times)	100 No.	2000	46.01	920.10
8	Weeding & Hoeing 3 Times	100 No.	3000	401.18	12035.25
9	Hand Watering (12 Times)	100 No.	12000	230.03	27603.84
10	Replanting of Plants 10%	100 No.	100	649.80	649.80
11	Rejungle Clearance (2 Times)	Per Ha.	1	2668.40	2668.40
12	Covering (25% plants) of plants	100 No.	250	331.22	828.1
13	Uncovering of plants	100 No.	250	36.82	92
14	Restubbing of Kana (1 Time)		0.25	30113.10	7528.3
15	Laying out & fixing of Barbed Wire	L/s			8832.20
16	Watch & Ward for every 10 Ha. (7 Months)	Man Year	1 Man 7 Month	9569.30	6698.5
17	Material				
	i) Insecticides / Fertilizers	L/s			5610.518
	ii) POL	L/s			5610.518
	iii) Barbed Wire	L/s			56105.183
	Sub Total				210155.08
	Maintenance 1 Year				
1	Cost of raising plants for 30% replacement	1 No.	300	22.45	6733.50
2	Reopening of Pits 300 x 0.50 x 0.50 x 0.30	1 m3	21.5	66.91	1505.5
3	Refilling of pits with earth in other soils 300 x 0.50 x 0.50 x 0.30	1 m3	21.5	30.83	693.7
4	Loading & Unloading of Plants	1 No.	330	2.8	910.80
5	Carriage of Plants (300+10% Wastage = 330 avg. distance upto 10 Km)	100 No.	330	220.2	726.50
6	Spreading of plants pit to pit	100 No.	300	147.2	441.7
7	Re-Planting to plants	100 No.	300	369.26	1107.8
8	Spot Irrigation	100 No.	300	230.00	690.01
9	Weeding & Hoeing (Three)	100 No.	3000	401.2	12035.2
10	Application of Insecticide (2 Times)	100 No.	2000	46.01	920.1

11	Application of Fertilizers (2 Times)	100 No.	2000	46.01	920.1
12	Hand Watering (6 Times)	100 No.	6000	401.2	24070.5
13	Rejungle Clearance (2 Times)	Per Ha.	1	2668.40	2668.40
14	Restubbing of Kana	Per Ha.	0.25	30112.80	7528.20
					6698.5
15	Watch & Ward for every 10 Ha. (7 Months)	Man Year	1/10 Man Yr.	9569.30	
16	Repair of Barbed Wire	L/s			5610.5
17	POL & Machinery	L/s			5610.5
18	Material and Supply	L/s			5610.5
	Sub Total				84482.04
	2nd Year Maintenance				
1	Cost of raising plants for 15% replacement	1 No.	150	22.4	3366.7
2	Reopening of Pits 150 x 0.50 x 0.50 x 0.40	1 m ³	15	66.91	1003.7
3	Refilling of pits with earth in other soils 150x 0.50 x 0.50 x 0.40	1 m ³	11.25	30.83	346.8
4	Loading & Unloading of Plants	1 No.	165	2.8	455.4
5	Carriage of Plants (150+10% wastage=165avg distance upto 10 Km.)	100 No.	165	220.2	363.2
6	Spreading of plants pit to pit	100 No.	150	147.2	220.8
7	Re-Planting to plants	100 No.	150	257.10	385.7
8	Spot Irrigation	100 No.	150	230.00	345.0
9	Weeding & Hoeing (Twice)	100 No.	2000	401.2	8023.5
10	Hand Watering (5 Times)	100 No.	5000	230	11501.6
11	Rejungle Clearance (2 Times)	Per Ha.	1	2668.40	2668.4
12	Pruning to Plants	100 No.	100	434.90	434.9
13	Watch & Ward for every 10 Ha. (7 Months)	Man Year	1/10 Man Yr.	9569.30	6698.5
14	Repair of Barbed Wire	L/s			5610.5
15	POL & Machinery	L/s			5610.5
18	Material and Supply	L/s			5610.5
	Sub Total				52645.8
	3rd Year Maintenance				
1	Cost of raising plants for 10% replacement	1 No.	100	22.45	2244.5
2	Reopening of Pits 100 x 0.50 x 0.50 x 0.40	1 m ³	10	6691.10	669.1
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m ³	7.5	30.83	231.2
4	Loading & Unloading of Plants	1 No.	110	2.8	303.6
5	Carriage of Plants 110 avg. distance upto 10 Km.)	100 No.	110	1.13	124.3
6	Spreading of plants pit to pit	100 No.	100	147.20	147.2
7	Re-Planting to plants	100 No.	100	257.10	257.1
8	Spot Irrigation	100 No.	100	230.00	230.0
9	Weeding & Hoeing (thrice)	100 No.	3000	401.2	12035.2
10	Hand Watering (8 Times)	100 No.	8000	230	18402.4
11	Pruning to Plants 20%	100 No.	200	434.92	869.8
12	Watch & Ward for every 10 Ha. (7 Months)	Man Year	1/10 Man Yr.	9569.30	6698.5
13	Repair of Barbed Wire	L/s			5610.5
14	POL & Machinery	L/s			5610.5
15	Material and Supply	L/s			5610.5
	Sub Total				59044.46

4th Year Maintenance					
1	Cost of raising plants for 5% replacement	1 No.	50	22.45	1122.3
2	Reopening of Pits 50 x 0.50 x 0.50 x 0.40	1 m3	5	6691.10	334.6
3	Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30	1 m3	3.75	30.83	115.6
4	Loading & Unloading of Plants	1 No.	55	2.8	151.8
5	Carriage of Plants 50 avg. distance upto 10 Km.)	100 No.	55	1.13	62
6	Spreading of plants pit to pit	100 No.	50	147.20	73.6
7	Re-Planting to plants	100 No.	50	257.10	128.6
8	Spot Irrigation	100 No.	50	230.00	115.0
9	Weeding & Hoeing (thrice)	100 No.	3000	401.2	12035.2
10	Hand Watering (8 Times)	100 No.	8000	230	18402.4
11	Pruning to Plants 30%	100 No.	300	434.92	1304.8
12	Watch & Ward for every 10 Ha. (7 Months)	Man Year	1/10 Man Yr.	9569.30	6698.5
13	Repair of Barbed Wire	L/s			5610.5
14	POL & Machinery	L/s			5610.5
15	Material and Supply	L/s			5610.5
Sub Total					57376
5th Year Maintenance					
1	Watch & Ward for every 10 Ha. (7 Motnts)	Man Year	1/10 Man Yr.	9569.30	6698.50
Sub Total					6698.50
6th Year Maintenance					
1	Watch & Ward for every 10 Ha. (7 Motnts)	Man Year	1/10 Man Yr.	9569.30	6698.50
Sub Total					6698.50
7th Year Maintenance					
1	Watch & Ward for every 10 Ha. (7 Motnts)	Man Year	1/10 Man Yr.	9569.30	6698.50
Sub Total					6698.50
8th Year Maintenance					
1	Watch & Ward for every 10 Ha. (7 Motnts)	Man Year	1/10 Man Yr.	9569.30	6698.50
Sub Total					6698.50
9th Year Maintenance					
1	Watch & Ward for every 10 Ha. (7 Motnts)	Man Year	1/10 Man Yr.	9569.30	6698.50
Sub Total					6698.50
10th Year Maintenance					
1	Watch & Ward for every 10 Ha. (7 Motnts)	Man Year	1/10 Man Yr.	9569.30	6698.50
Sub Total					6698.50
Total					503895
Over Head expenses 5%					25195
Wage Enhancement @ 10%					50390

	G. Total				579479
	Or Say				5,79,479/-
Cost of Compensatory Afforestation per Ha. For 7-10 Year					
Rs. 579479 per Ha.=1.150 x 666401=-					
Net Present value per Ha. @ Rs.1357110 x 0.46=624270/-					
Grand Total = 1290672/-					


 Divisional Forest Officer,
 Sangrur Forest Division,
 Sangrur

Estimate for planting of Tall plants

	Name of Work	Unit	Unit Cost (In Rs.)	Qty	Total Amt
	Nursery				
	Cost of Tall plants	1 No	60	550	33000.00
	Soil Works				
1	Site /Jungle Clearance (50%)	Ha.	5367.22	0.5	2683.61
2	Alignment & Dagbailing	Ha.	984	1	984.00
3	Earth Work- Digging of Pits 500x 0.6m x0.6m x0.5m Heavy Soil	1M ³	101.38	90	9124.20
4	Kana Stubbing 25%	Ha.	26836.3	0.25	6709.08
	Planting				
1	Refilling of Pits	100 cum	2747	72	1977.84
2	Loading & Unloading of Plants (500+10% Wastage=550)	100 No	246	550	1353.00
3	Carriage of Plants (500+10% Wastage=550 avg. distance upto 10 km.)500 Trolly	100 No	196.8	1	196.80
4	i) Carriage from site to site	100 No	131.2	550	721.60
	ii) Planting of Plants (500 No Including 10% replacement)	100 No	984	550	5412.00
5	Spot Irrigation (500 Plants)	100 No	205	500	1025.00
6	Application of Insecticide (2 times)	100 No	41	1000	410.00
7	Application of Fertilizers (2 times)	100 No	41	1000	410.00
8	Weeding & Hoeing 3 times	100 No	357.52	1500	5362.80
9	Hand Water 6 months x 2 times =12 times	100 No	205	6000	12300.00
10	Replanting of Plants 10%	100 No	579.11	50	289.56
11	Rejungle Clearance (2 times)	Per Ha.	2378	1	2378.00
12	Covering (25% plants) of plants	100 No	295.2	125	369.00
13	Uncovering of plants	100 No	32.8	125	41.00
14	Restubbing of Kana (1 time)	Ha.	26836.3	0.25	6709.08
15	Laying out & fixing of Barbed Wire	L/s			4200.00
16	Watch & Ward for every 10 Ha. (7 months)	Man year	8528	1Man 7 Month	5969.60
17	Material				
	i) Insecticides/Fertilizers	L/s			5000.00
	ii) POL	L/s			5000.00
				Sub Total	111626.16
Maintenance I Year					
1	Cost of plants for 30%	1 No.	60	150	9000.00

	replacement				
2	Reopening of Pits 150 x 0.60 x 0.60 x 0.40	1 m3	59.63	21.6	1288.01
3	Refilling of pits with earth in other soils 150 x 0.60 x 0.60 x 0.40	1 m3	27.47	21.6	593.35
4	Loading & Unloading of Plants	1 No.	2.46	150	369.00
5	Carriage of Plants (150+10% Wastage=330 avg. distance upto 10 km.)	500 No	196.2	1	196.20
6	Spreading of plants pit to pit	100 No	131.2	165	216.48
7	Re-planting Tall Plants	100 No	329.08	165	542.98
8	Spot Irrigation	100 No.	205	165	338.25
9	Weeding & Hoeing (thrice)	100 No	357.52	1500	5362.80
10	App. Of Fertilizer (two times)	100 No	41	1000	410.00
11	App. Of Insecticide (two times)	100 No	41	1000	410.00
12	Hand watering 6 months x 2 times =12 times	100 No	357.52	6000	21451.20
13	Rejungle Clearance (2 times)	Ha.	2378	1	2378.00
14	Restubbing of Kana	Ha.	26836	0.25	6709.00
15	Watch & Ward for every 10 Ha. (10 months)	Man year	8528	1/10 Man yr.	8528.00
16	POL	L/s			5000.00
17	Material and supply	L/s			5000.00
				Sub Total	67793.27

Maintenance II Year


1	Cost of plants for 15% replacement	No.	60	75	4500.00
2	Reopening of Pits 75 x 0.60 x 0.60 x 0.40	1 m3	59.63	10.8	644.00
3	Refilling of pits with earth in other soils 75 x 0.60 x 0.60 x 0.40	1 m3	27.47	10.8	296.68
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	100 No	131.2	75	98.40
7	Re-planting to tall plants	100 No	229.08	75	171.81
8	Spot Irrigation	100 No.	205	75	153.75
9	Weeding & Hoeing (twice)	100 No	357.52	1500	5362.80
10	Hand Watering 10 Times	100 No	205	5000	10250.00
11	Rejungle Clearance (2 times)	Ha.	2378	1	2378.00
12	Stubbing of Kana	Ha.	26836	0.1	2683.60
13	Pruning to plants	100 No.	387.61	100	387.61
14	Watch & Ward for every 10 Ha.	Man year	8528	1/10 Man yr.	8528.00

15	POL	L/s			5000.00
16	Material and supply	L/s			5000.00
				Sub Total	45835.35
Maintenance III Year					
1	Cost of plants for 10% replacement	1 No.	60	50	3000.00
2	Reopening of Pits 50 x 0.60 x 0.60 x 0.40	1 m3	5963	7.2	429.34
3	Refilling of pits with earth in other soils 50 x 0.60 x 0.60 x 0.40	1 m3	27.47	7.2	197.78
4	Loading & Unloading of Plants	1 No.	2.46	50	123.00
5	Carriage of Plants 50 avg. distance upto 10 km.)	500 No	196.2	1	196.20
6	Spreading of plants pit to pit	100 No	131.2	50	65.60
7	Re-planting to plants	100 No	229.08	50	114.54
8	Spot Irrigation	100 No.	205	50	102.50
9	Weeding & Hoeing (thrice)	100 No	357.52	1500	5362.80
10	Hand Watering (8 times)	100 No	205	4000	8200.00
11	Rejungle Clearance (2 times)	Ha.	2378	1	2378.00
12	Stubbing of Kana	Ha.	26836	0.1	2683.60
13	Pruning to plants 20%	100 No.	387.61	100	387.61
14	Watch & Ward for every 10 Ha.	Man year	8528	1/10 Man yr.	8528.00
15	POL	L/s			5000.00
16	Material and supply	L/s			5000.00
				Sub Total	41768.97
Maintenance IV Year					
1	Cost of plants for 5% replacement	1 No.	60	25	1500.00
2	Reopening of Pits 25 x 0.60 x 0.60 x 0.40	1 m3	59.63	3.6	214.67
3	Refilling of pits with earth in other soils 25 x 0.60 x 0.60 x 0.40	1 m3	27.47	3.6	98.89
4	Loading & Unloading of Plants	1 No.	2.46	25	61.50
5	Carriage of Plants = 25 avg. distance upto 10 km.)	500 No	196.2	1	196.20
6	Spreading of plants pit to pit	100 No	131.2	25	32.80
7	Re-planting to plants	100 No	229.08	25	57.27
8	Spot Irrigation	100 No.	205	25	51.25
9	Weeding & Hoeing (twice)	100 No	357.52	1500	5362.80
10	Rejungle Clearance (2 times)	Ha.	2378	1	2378.00
11	Pruning to plants 30%	100 No.	387.61	300	1162.83
12	Watch & Ward for every 10 Ha.	Man year	8528	1/10 Man yr.	8528.00
15	POL	L/s			5000.00

16	Material and supply	L/s		5000.00
			Sub Total	29644.21
			TOTAL	296667.96
	Over Head expenses 5%			14833.40
	Enhancement due to wage escalation @9%			26700.12
			G.Total	338201.47
			Or Say	338201
	affected 400 plants x 676 rs per plants) =			270400
			G.Total	270400.00

Note The watch and ward in subsequent years will carry out the necessary operations of Pruning

Total Cost per plant (in Rs) 676
 Cost of Tree Guards as per site is extra (in Rs per Tree Guard) 1800
 Note: (regarding revision)


 Divisional Forest Officer
 Sangrur Forest Division
 SANGRUR.

