

RECLAMATION PLAN

Detailed Reclamation Plan for dumping sites in respect of FCA proposal for the construction of Thaltukhod Stage-I, SHEP, within the jurisdiction of Joginder Nagar Forest Division is as under :-

Diversion of 4.9069 Ha of forest land has been proposed for the construction of 5.00MW Thaltukhod stage-I, SHEP within the jurisdiction of Joginder Nagar Forest Division, District Mandi. During construction of this hydel project there will be production of 51273 Cubic Meter muck at different components. By taking a swell factor of 40% on this produced muck the total muck becomes 71782 cubic meters out of which 39480 cubic meter muck excavated will be used locally for constructing stone masonry structures/ crate structures for muck retention. The net quantity left for the dumping will be 32302 cubic meter & the dumping places have capacity for handling 32435 Cubic Meter of muck. The user agency has identified 5 No. of dumping sites for the disposal of this muck. These dumping sites have been identified along the different components of project and the capacity of these dumping sites has been worked out 32435 cubic meters which is sufficient to hold the muck to be produced.

Thus all the muck generated will be dumped in the designated dumping sites. Five numbers muck dumping sites designated as DS-I to DS-4 as under have been identified for dumping of muck and debris to be produced during the construction phase of the project.

DS-I Muck Dumping at Weir Site

DS-2 Muck Dumping at Adit

DS-3A Muck Dumping at Forebay part I

DS-3B Muck Dumping at Forebay part II


DS-4 Muck Dumping at Power house

A reclamation plan is proposed for the proper disposal of muck at dumping sites and its treatment through different interventions as given in plan attached as **annexure A** for the stabilization of area and planting of suitable plant species on it, so that soil erosion can be reduced and green areas can be developed along the components of project for the protection and conservation of environment. The main objective of reclamation plan is as under;

1. To arrest the dumped muck in-situ so that it does not find its way to the nearby drainage channels thus altering the drainage pattern of the area.
2. To rehabilitate the dumped area over a period of time so that it merges with the adjoining natural landscape and does not stand out as a sore point.
3. To improve the aesthetic view of the grounds of dumping site by planting it with suitable native plants species thereby increasing the vegetative cover in the area.
4. To stabilize the dumping site by vegetative and engineering structures.

For Cliff Finvest Pvt. Ltd.


Authorized Signatory


Divisional Forest Officer
Joginder Nagar Forest Division
Joginder Nagar (H.P.)

Implementation:-

The implementation and supervision of the plan will be done by the forest department through casual labour during monsoon season from time to time and the progress will be periodically monitored. This plan will provide plantation of sites with ten years maintenance of area. In case of default the sanction of diverted land may be revoked with suitable penalty as decided by the Govt. of India.

Strategy :

The conservative approach will be followed for reclamation of dumping sites. In the first instance before doing dumping in dumping sites it will be ensured that proper crate wire structures/ walls will be constructed for the dumping of material round the dumping sites so that required capacity for dumping of muck could be created at the sites. The primary objective of the crate works will to arrest the dumped muck at the dumping sites and not allow its spillage to adjoining areas and eventually to hereby drainage lines. The capacity of the dumping sites has calculated as detailed in plan and will be enough to hold the muck so produced during construction of project.

In the second phase once the dumping is complete it will be ensured that the dumping site is planted with suitable native plant species. This vegetative cover will help in reducing soil erosion. The trees species to be planted will be mainly Deodar and Ban. Plants will be planted in such spacing to each other so that plants can find sunlight and do growth properly. Hence the spacing will be kept at 3 Mtr. \times 3 Mtr. The total area available for planting will be 6046.79 Square meter. Total 667 numbers of plants will be planted at dumping sites and will be fenced with barbed wire fencing to prevent the entry of stray chattels hereby ensuring the protection of plant from grazing. Watering of the plant in dry season will be done to prevent it from mortality due to drought in summer season. These plantation areas will be maintained at project cost for next ten years.

The Total cost of the reclamation plan is Rs. 2, 88,200/- only.

Post reclamation arrangement:

Since the area in question is required by the user agency for its temporary use of muck dumping. This area will be reverted back to forest department after implementation of the reclamation plan.

For Cliff Finvest Pvt. Ltd.

Authorised Signatory



Divisional Forest Officer
Joginder Nagar Forest Division
Joginder Nagar (H.P.)

DS-1: Reclamation plan for dumping area near Weir site (80x19.48=1558.4 m²) as per norms for raising 1100 plants with RCC Fence posts (non-Tribal) for the year 2023-24

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Construction of inspection path	160	mtr	11	1760	2640.00	4400.00
2	Digging of pits 45cmx45cmx45cm	172	nos	9.54	1640.88	2461.32	4102.20
3	filling of pits 45cmx 45cmx45cm	172	nos	2.72	467.84	701.76	1169.60
4	Carriage of plants in p bags from nursery to work site O/D 1KM (level)	172	nos	L/S	500	0.00	500.00
5	carriage of plants in P. Bags over distance 0.2 Km uphill/downhill	172	nos	0.19	32.68	49.02	81.70
6	Planting of plants raised in P/Bags	172	nos	2.18	374.96	562.44	937.40
7	Preparation/purchase of RCC fence post @ rate of Rs. 358 per post.	66	nos	358	23628		23628.00
8	Carriage of RCC fence post upto 165 cm long over a distance of 0.2 km downhill	66	nos	3.35	221.10	331.65	552.75
9	Preparation/digging of holes of 20x30x50 cm size	66	Nos	9.06	597.96	896.94	1494.90
10	Fixing of RCC fence posts i/c strutting	66	nos	7.16	472.56	708.84	1181.40
11	Carriage of B/wire over distance 0.2 KM downhill	0.99	Km/qtl	9.72	9.62	14.44	24.06
12	Stretching and fixing of barbed wire in four strands	792	rmt	4.8	3801.60	5702.4	9504.00
13	Interlacing of Thorny bushes along the fence	198	rmt	4.09	809.82	1214.73	2024.55
14	Cost of barbed wire	0.99	MT	8593.2	8507.27		8507.27
15	Cost of sign board, carriage and fixing		L/S	450	450		450.00
	Total						58557.83
	Contingency @10%						5855.78
	Grand Total						64413.61

For Cliff Finvest Pvt. Ltd.

 Authorised Signatory


 Divisional Forest Officer
 Joginder Nagar Forest Division
 Joginder Nagar (H.P.)

DS-1: Maintenance of Plantation (1100 plant / hac. Near Weir site)							
1st year maintenance (30 % beating up)							
Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	52	nos	4.77	248.04	372.06	620.10
2	filling of pits 45cmx 45cmx45cm	52	nos	2.72	141.44	212.16	353.60
3	Planting of plants raised in P/Bags	52	nos	2.18	113.36	170.04	283.40
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	52	nos	0.19	9.88	14.82	24.70
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						1551.80
	Contingency @10%						155.18
	Grand Total						1706.98
	or say						1710
2nd year maintenance (20 % beating up)							
Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	35	nos	4.77	166.95	250.43	417.38
2	filling of pits 45cmx 45cmx45cm	35	nos	2.72	95.2	142.80	238.00
3	Planting of plants raised in P/Bags	35	nos	2.18	76.3	114.45	190.75
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	35	nos	0.19	6.65	9.98	16.63
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						1132.75
	Contingency @10%						113.28
	Grand Total						1246.03
	or say						1250
3rd to 10th year maintenance (10 % beating up)							
Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	18	nos	4.77	85.86	128.79	214.65
2	filling of pits 45cmx 45cmx45cm	18	nos	2.72	48.96	73.44	122.40
3	Planting of plants raised in P/Bags	18	nos	2.18	39.24	58.86	98.10
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	18	nos	0.19	3.42	5.13	8.55
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						713.70
	Contingency @10%						71.37
	Grand Total						785.07
	or say						790
Maintenance cost for one year							800
Maintenance cost for eight years 790 X 8 =							6320

For Cliff Finvest Pvt. Ltd.

 Authorised Signatory



 Divisional Forest Officer
 Joginder Nagar Forest Division
 Joginder Nagar (H.P.)

DS-2: Reclamation plan for dumping area near Adit (46x18.5=851 m2) as per norms for raising 1100 plants with RCC Fence posts (non-Tribal) for the year 2023-24

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	total amount
1	Construction of inspection path	64	mtr	11	704	1056.00	1760.00
2	Digging of pits 45cmx45cmx45cm	94	nos	9.54	896.76	1345.14	2241.90
3	filling of pits 45cmx 45cmx45cm	94	nos	2.72	255.68	383.52	639.20
4	Carriage of plants in p bags from nursery to work site O/D 1.7KM (level)	94	nos	L/S	1000	0.00	1000.00
5	carriage of plants in P. Bags over distance 2 Km uphill/downhill	94	nos	1.9	178.6	267.90	446.50
6	Planting of plants raised in P/Bags	94	nos	2.18	204.92	307.38	512.30
7	Preparation/purchase of RCC fence post @ rate of Rs. 358 per post.	43	nos	358	15394		15394.00
8	Carriage of RCC fence post upto 165 cm long over a distance of 2 km downhill	43	km/nos	33.5	6000	9000	15000.00
9	Preparation/digging of holes of 20x30x50 cm size	43	nos	9.06	389.58	584.37	973.95
10	Fixing of RCC posts i/c strutting	43	nos	7.16	307.88	461.82	769.70
11	Carriage of B/wire over distance 2 KM downhill	0.645	qtl	63.34	40.85	61.28	102.13
12	Stretching and fixing of barbed wire in four strands	516	rmt	4.8	2476.8	3715.20	6192.00
13	Interlacing of Thorny bushes with barbed wire	129	rmt	4.09	527.61	791.42	1319.03
14	cost of barbed wire	0.645	qtl	5598.6	3611.097		3611.10
15	Cost of sign board, carriage and fixing		L/S	450	450		450.00
	Total						49961.81
	Contingency @10%						4996.18
	Grand Total						54957.99

For Cliff Finvest Pvt. Ltd.

 Authorised Signatory


 Divisional Forest Officer
 Joginder Nagar Forest Division
 Joginder Nagar (H.P.)

DS-2: Maintenance of Plantation (1100 plant / hac. Near Adit site)

1st year maintenance (30 % beating up)

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	28	nos	4.77	133.56	200.34	333.90
2	filling of pits 45cmx 45cmx45cm	28	nos	2.72	76.16	114.24	190.40
3	Planting of plants raised in P/Bags	28	nos	2.18	61.04	91.56	152.60
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	28	nos	0.19	5.32	7.98	13.30
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						960.20
	Contingency @10%						96.02
	Grand Total						1056.22
	or say						1060

2nd year maintenance (20 % beating up)

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	19	nos	4.77	90.63	135.95	226.58
2	filling of pits 45cmx 45cmx45cm	19	nos	2.72	51.68	77.52	129.20
3	Planting of plants raised in P/Bags	19	nos	2.18	41.42	62.13	103.55
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	19	nos	0.19	3.61	5.42	9.03
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						738.35
	Contingency @10%						73.84
	Grand Total						812.19
	or say						820

3rd to 10th year maintenance (10 % beating up)

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	10	nos	4.77	47.7	71.55	119.25
2	filling of pits 45cmx 45cmx45cm	10	nos	2.72	27.2	40.80	68.00
3	Planting of plants raised in P/Bags	10	nos	2.18	21.8	32.70	54.50
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	10	nos	0.19	1.9	2.85	4.75
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						516.50
	Contingency @10%						51.65
	Grand Total						568.15
	or say						570

Maintenance cost for one year

570

Maintenance cost for eight years 570 X 8 =

4560

For Cliff Finvest Pvt. Ltd.

Authorised Signatory

Divisional Forest Officer

Joginder Nagar Forest Division


Joginder Nagar (H P)

DS-3A: Reclamation plan for dumping area near Forebay Part-I (37.46x19.39=726.35 m2) as per norms for raising 1100 plants with RCC Fence posts (non-Tribal) for the year 2023-24

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	total amount
1	Construction of inspection path	57	mtr	11	627	940.50	1567.50
2	Digging of pits 45cmx45cmx45cm	80	nos	9.54	763.2	1144.80	1908.00
3	filling of pits 45cmx 45cmx45cm	80	nos	2.72	217.6	326.40	544.00
4	Carriage of plants in p bags from nursery to work site O/D 4 KM (level)	80	nos	1000	1000		1000.00
5	carriage of plants in P. Bags over distance 2 Km uphill/downhill	80	KM/nos	1.9	152	228.00	380.00
6	Planting of plants raised in P/Bags	80	nos	2.18	174.4	261.60	436.00
7	Preparation/purchase of RCC fence post @ rate of Rs. 358 per post.	38	nos	358	13604		13604.00
8	Carriage of RCC fence post upto 165 cm long over a distance of 2 km downhill	38	Km/nos	33.5	1273	1909.5	3182.50
9	Preparation/digging of holes of 20x30x50 cm size	38	nos	9.06	344.28	516.42	860.70
10	Fixing of RCC posts i/c strutting	38	nos	7.16	272.08	408.12	680.20
11	Carriage of B/wire over distance 2 KM downhill	0.57	qtl	55.97	31.91	47.86	79.76
12	Stretching and fixing of barbed wire in four strands	456	rmt	4.8	2188.8	3283.2	5472.00
13	interlacing of Thorny bushes with barbed wire	114	rmt	4.09	466.26	699.39	1165.65
14	cost of barbed wire	0.57	qtl	4947.6	2820.132		2820.13
15	Cost of sign board, carriage and fixing		L/S	450	450		450.00
	Total						34150.44
	Contingency @10%						3415.04
	Grand Total						37565.49

For Cliff Finvest Pvt. Ltd.

 Authorised Signatory


 Divisional Forest Officer
 Joginder Nagar Forest Division
 Joginder Nagar (H.P.)

DS-3A : Maintenance of Plantation (1100 plant / hac. Near Forebay Part-I)**1st year maintenance (30 % beating up)**

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	24	nos	4.77	114.48	171.72	286.20
2	filling of pits 45cmx 45cmx45cm	24	nos	2.72	65.28	97.92	163.20
3	Planting of plants raised in P/Bags	24	nos	2.18	52.32	78.48	130.80
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	24	nos	0.19	4.56	6.84	11.40
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						861.60
	Contingency @10%						86.16
	Grand Total						947.76
	or say						950

2nd year maintenance (20 % beating up)

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	16	nos	4.77	76.32	114.48	190.80
2	filling of pits 45cmx 45cmx45cm	16	nos	2.72	43.52	65.28	108.80
3	Planting of plants raised in P/Bags	16	nos	2.18	34.88	52.32	87.20
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	16	nos	0.19	3.04	4.56	7.60
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						664.40
	Contingency @10%						66.44
	Grand Total						730.84
	or say						740

3rd to 10th year maintenance (10 % beating up)

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	8	nos	4.77	38.16	57.24	95.40
2	filling of pits 45cmx 45cmx45cm	8	nos	2.72	21.76	32.64	54.40
3	Planting of plants raised in P/Bags	8	nos	2.18	17.44	26.16	43.60
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	8	nos	0.19	1.52	2.28	3.80
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						467.20
	Contingency @10%						46.72
	Grand Total						513.92
	or say						520

Maintenance cost for one year

520

Maintenance cost for eight years 520 X 8 =

4160

For Cliff Finvest Pvt. Ltd.

Authorised Signatory


[Signature]
 Divisional Forest Officer
 Joginder Nagar Forest Division
 Joginder Nagar (H.P.)

DS-3B: Reclamation plan for dumping area near Forebay Part-II (35.44x16.57=587.24 m2) as per norms for raising 1100 plants with RCC Fence posts (non-Tribal) for the year 2023-24

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	total amount
1	Preparation of inspection path	52	mtr	11	572	858.00	1430.00
2	Digging of pits 45cmx45cmx45cm	65	nos	9.54	620.1	930.15	1550.25
3	filling of pits 45cmx 45cmx45cm	65	nos	2.72	176.8	265.20	442.00
4	Carriage of plants in p bags from nursery to work site O/D 2KM (level)	65	L/S	1000	1000		1000.00
5	carriage of plants in P. Bags over distance 2 Km uphill/downhill	65	nos	1.9	123.5	185.25	308.75
6	Planting of plants raised in P/Bags	65	nos	2.18	141.70	212.55	354.25
7	Preparation/purchase of RCC fence post @ rate of Rs. 358 per post.	35	nos	358	12530		12530.00
8	Carriage of RCC fence post upto 165 cm long over a distance of 2 km downhill	35	nos	33.5	1172.5	1174	2346.50
9	Preparation/digging of holes of 20x30x50 cm size	35	nos	9.06	317.1	475.65	792.75
10	Fixing of RCC posts i/c strunting	35	nos	7.16	250.60	375.90	626.50
11	Carriage of B/wire over distance 2 KM downhill	0.52	qtl	51.06	26.55	39.83	66.38
12	Stretching and fixing of barbed wire with U-staple in four strands	416	rmt	4.8	1996.8	2995.2	4992.00
13	Interlacing of Thorny bushes with barbed wire	104	rmt	4.09	425.36	638.04	1063.40
14	cost of barbed wire	0.52	qtl	4513.6	2347.072		2347.07
15	Cost of sign board, carriage and fixing		L/S	450	450		450.00
	Total						30299.86
	Contingency @10%						3029.99
	Grand Total						33329.84

For Cliff Finvest Pvt. Ltd.

 Authorised Signatory


 Divisional Forest Officer
 Joginder Nagar Forest Division
 Joginder Nagar (H.P.)

DS-3B: Maintenance of Plantation (1100 plant / hac. Near Forebay Part-II)

1st year maintenance (30 % beating up)

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	20	nos	4.77	95.4	143.10	238.50
2	filling of pits 45cmx 45cmx45cm	20	nos	2.72	54.4	81.60	136.00
3	Planting of plants raised in P/Bags	20	nos	2.18	43.6	65.40	109.00
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	20	nos	0.19	3.8	5.70	9.50
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						763.00
	Contingency @10%						76.30
	Grand Total						839.30
	or say						840

2nd year maintenance (20 % beating up)

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	13	nos	4.77	62.01	93.02	155.03
2	filling of pits 45cmx 45cmx45cm	13	nos	2.72	35.36	53.04	88.40
3	Planting of plants raised in P/Bags	13	nos	2.18	28.34	42.51	70.85
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	13	nos	0.19	2.47	3.71	6.18
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						590.45
	Contingency @10%						59.05
	Grand Total						649.50
	or say						650

3rd to 10th year maintenance (10 % beating up)

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	7	nos	4.77	33.39	50.09	83.48
2	filling of pits 45cmx 45cmx45cm	7	nos	2.72	19.04	28.56	47.60
3	Planting of plants raised in P/Bags	7	nos	2.18	15.26	22.89	38.15
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	7	nos	0.19	1.33	2.00	3.33
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						442.55
	Contingency @10%						44.26
	Grand Total						486.81
	or say						490

Maintenance cost for one year


490

Maintenance cost for eight years 490 X 8 =

3920

For Cliff Finvest Pvt. Ltd.

 Authorised Signatory



 Divisional Forest Officer
 Joginder Nagar Forest Division
 Joginder Nagar (H.P.)

DS-4: Reclamation plan for dumping area near Power House (51.87x44.8= 2323.8m2) as per norms for raising 1100 plants with RCC Fence posts (non-Tribal) for the year 2023-24

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	total amount
1	Preparation of inspection path	97	mtr	11	1067	1600.50	2667.50
2	Digging of pits 45cmx45cmx45cm	256	nos	9.54	2442.24	3663.36	6105.60
3	filling of pits 45cmx 45cmx45cm	256	nos	2.72	696.32	1044.48	1740.80
4	Carriage of plants in p bags from nursery to work site O/D 4.5 KM (level)	256	L/S	500	500		500.00
5	carriage of plants in P. Bags over distance 0.2 Km uphill/downhill	256	Km/Nos	0.19	48.64	72.96	121.60
6	Planting of plants raised in P bags	256	nos	2.18	558.08	837.12	1395.20
7	Preparation/purchase of RCC fence post @ rate of Rs. 358 per post.	64	nos	358	22912		22912.00
8	Carriage of RCC fence post upto 165 cm long over a distance of 0.2 km downhill	64	nos	33.5	2144	2145.5	4289.50
9	Preparation/digging of holes of 20x30x50 cm size	64	Nos	9.06	579.84	581.34	1161.18
10	Fixing of RCC posts i/c strunting	64	nos	7.16	458.24	687.36	1145.60
11	Carriage of B/wire over distance 0.2 KM downhill	0.97	Qtl	95.25	92.40	138.59	230.99
12	Stretching and fixing of barbed wire with U-staple in four strands	773.4	rmt	4.8	3712.32	5568.48	9280.80
13	interlacing of Thorny bushes with barbed wire	193.34	rmt	4.09	790.76	1186.14	1976.90
14	cost of barbed wire	0.97	QTL	8680	8419.6		8419.60
15	Cost of sign board, carriage and fixing		L/S		2500		2500.00
	Total						64447.27
	Contingency @10%						6444.73
	Grand Total						70892.00

For Cliff Finvest Pvt. Ltd.

 Authorised Signatory


 Divisional Forest Officer
 Joginder Nagar Forest Division
 Joginder Nagar (H.F.)

DS-4: Maintenance of Plantation (1100 plant / hac.) Near Power House site**1st year maintenance (30 % beating up)**

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	77	nos	4.77	367.29	550.94	918.23
2	filling of pits 45cmx 45cmx45cm	77	nos	2.72	209.44	314.16	523.60
3	Planting of plants raised in P/Bags	77	nos	2.18	167.86	251.79	419.65
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	77	nos	0.19	14.63	21.95	36.58
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						2168.05
	Contingency @10%						216.81
	Grand Total						2384.86
	or say						2390

2nd year maintenance (20 % beating up)

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	51	nos	4.77	243.27	364.91	608.18
2	filling of pits 45cmx 45cmx45cm	51	nos	2.72	138.72	208.08	346.80
3	Planting of plants raised in P/Bags	51	nos	2.18	111.18	166.77	277.95
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	51	nos	0.19	9.69	14.54	24.23
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						1527.15
	Contingency @10%						152.72
	Grand Total						1679.87
	or say						1680


3rd to 10th year maintenance (10 % beating up)

Sr no.	Description of work	Qty	Unit	Rate	Amount	Add increase 150%	Total amount
1	Re-digging of pits 45cmx45cmx45cm	26	nos	4.77	124.02	186.03	310.05
2	filling of pits 45cmx 45cmx45cm	26	nos	2.72	70.72	106.08	176.80
3		26	nos	2.18	56.68	85.02	141.70
4	carriage of plants in P. Bags over a distance of 0.2 KM uphill/downhill	26	nos	0.19	4.94	7.41	12.35
5	Repair of Fencing	60	rmt	1.8	108	162.00	270.00
	Total						910.90
	Contingency @10%						91.09
	Grand Total						1001.99
	or say						1010

Maintenance cost for one year**1010****Maintenance cost for eight years 1010 X 8 =****8080**

For Cliff Finvest Pvt. Ltd.

 Authorised Signatory


 Divisional Forest Officer
 Joginder Nagar Forest Division
 Joginder Nagar (H.P.)