



Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer
Medinipur Division

M.M.Nagar , Medinipur , PaschimMedinipurPin :: 721101
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Memo. No.- 2082 / 8 ; Dated, Medinipur, the 22-07-2021

From :: The Divisional Forest Officer,
Medinipur Division.

To :: The Chief Engineer
PSPD ,WBSEDCL
Bidyut Bhavan (5th Floor)
Block-DJ ,Sector-II ,Bidhannagar , Kolkata-700091

Sub :: Demand Note for Compensatory Afforestation in connection with proposal of diversion of 234 ha of Forest Land for construction of 1000 MW Turga Pump Storage Project at Ajodhya Hill, Purulia, West Bengal.

Ref. :: 1. Office of the PCCF(HoFF) ,W.B. Office letter memo No -1481/L</2M-1003/2013 dt. 06.07.2021
2. Office of the CCF(W.C.) ,W.B. Office letter memo No -839/4a-2 dt. 22-07-2021

Kindly find enclosed herewith the details Demand Note for Compensatory Afforestation on the above subject against 25.39 ha of alternate Compensatory Afforestation land in Medinipur Division amounting **Rs.2,70,98,500.00 (Two crore seventy lakh ninety eight thousand only)**. You are requested to take necessary steps for payment of above mentioned amount as detail below in compliance to Stage – I Clearance dated 12-04-2018 of MOEF & CC, Govt. of India F. No. 8 – 51 / 2017-FC dt. 12-04-2018.

1. Estimate of Boundary demarcation, felling logging etc over for the land proposed for diversion over 25.39 ha. –Rs.15,98,000.00
2. Estimate of Compensatory afforestation of the land in lieu of the diversion over 25.39 ha.—Rs..1,85,60,090.00
3. Estimate for digging Elephant Proof Trench around the CA area over 25.39 Ha.-. Rs 23,00,000.00

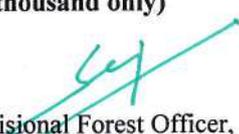
Total Rs. 2,24,58,000.00

Addition 25% for S.M.C Work i.e. Rs.46,40,000.00

Grand Total Rs.2,70,98,000.00 (Two crore seventy lakh ninety eight thousand only)

This is for your kind information and further necessary action.

Enclosed : As stated above.


Divisional Forest Officer,
Medinipur Division

Memo. No.- 2082 / 8;

Dated, Medinipur, the 22-07-2021

Copy forwarded for information and necessary action to :-

1. The Principal Chief Conservator of Forests (HoFF) ,West Bengal.
2. The Principal Chief Conservator of Forests and CEO, CAMPA ,West Bengal
3. The Additional Chief Conservator of Forests , CAMPA & Nodal officer , FCA ,1980 , West Bengal .
4. The Chief Conservator of Forests , Western Circle.
5. The Divisional Forest Officer, Working Plan(South-1) Division.


Divisional Forest Officer,
Medinipur Division

Estimate for Advance works of Compensatory Afforestation

At Mouza -Kotalkuli JL.No.-326 ; P.S-Salbani ;Block- Salbani ; Plot No.- 3(L.R.) Area - 62.72 Acre (25.39 Ha.)

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Supply of Misc. tall seedlings including carriage	2000	125.00	2,50,000.00
2	Escalation cost 10%			25,000.00
	Total cost per Ha.			2,75,000.00

Estimate for Creation works of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Survey demarcation with GPS	2		
2	Cleaning, burning and removal of debris and making inspection path	50		
3	Alignment staking of planting pit	2		
4	Digging planting pit of size 90 + 60/2 X 60 X 60, Spcing 2.50 m X 2.50 m (stony area)	50		
5	Alignment and cutting of contour trench of size 0.45 m X 0.45 m X 5 m, total 500 m/ha. throughout the plantation area along the contour line at a regular interval	40		
6	Collection of good earth for pit filling due to stony and morrum soil	40		
7	Filling up planting pits including application of fertilizer etc.	20		
8	Hoing surrounding the boundary line including sowing of Akashmoni & Babla Seed	5		
9	Transplanting of seedlings including carriage	20		
10	Application of insecticides to the planted seedlings	2		
11	Vacancy filling with seedlings	5		
12	Cost of application of organic manure	4		
13	1st time weeding cleaning & mulching with fertilizer	20		
14	2nd time weeding cleaning & mulching	18		
15	3rd time weeding cleaning & mulching	16		
16	Making fire line 1.50 mtr wide all along the periphery and 1.20 mtr instde plantationprotection	12		
17	Watch and Ward	30		
18	Watering in dry spell	25		
	Total	361	260.00	93,860.00
Mateerial				
19	Cost of fertilizer(NPK- 10:26:26) 40 gm per seedlings and insecticides including carriage			3,000.00
20	Insecticides/Hormone			1,200.00
21	Organic manure			1,500.00
22	Carriage of Seedlings,Fertilizer etc.			2,000.00
23	Contingency			2,100.00
	Total			9,800.00
	Total cost per Ha.			1,03,660.00
24	Escalation cost 10%			10,366.00
	Total cost per Ha.			1,14,026.00
	Or Say			1,14,000.00


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Estimate for 1st Year Maint. of Compensatory Afforestation
Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	20		
2	Planting seedling by dig & plant method including carriage	10		
3	1st mulching, weeding, cleaning and application of fertilizer 50 gm/pit	18		
4	2nd mulching, weeding, cleaning and application of fertilizer 50 gm/pit	16		
5	Repair of Fencing	12		
6	Maintenance of firelines 3.0 m wide	10		
7	Watch and Ward	30		
8	Watering in dry spell	25		
	Total	141	260.00	36,660.00
Material				
9	Supply of Misc. tall seedlings including carriage 10%	200	125.00	25,000.00
10	Cost of fertilizer(NPK- 10:26:26) 40 gm per seedlings and insecticides including carriage			3,000.00
11	Insecticides/Hormone			1,200.00
12	Carriage of Seedlings,Fertilizer etc.			1,000.00
13	Fencing Materials (Barbed Wire & Post)			5,000.00
14	Contingency			2,396.00
	Total			37,596.00
	Total cost per Ha.			74,256.00
15	Escalation cost 10%			7,425.60
	Total cost per Ha.			81,681.60
	Or Say			81,700.00

Estimate for 2nd Year Maint. of Compensatory Afforestation
Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	20		
2	Planting seedling by dig & plant method including carriage	10		
3	1st mulching, weeding, cleaning and application of fertilizer 50 gm/pit	18		
4	2nd mulching, weeding, cleaning and application of fertilizer 50 gm/pit	16		
5	Repair of Fencing	10		
6	Maintenance of firelines 3.0 m wide	10		
7	Watch and Ward	30		
	Total	114	260.00	29,640.00
Material				
8	Supply of Misc. tall seedlings including carriage 10%	100	125.00	12,500.00
9	Cost of fertilizer(NPK- 10:26:26) 40 gm per seedlings and insecticides including carriage			4,000.00
10	Insecticides/Hormone			1,000.00
11	Carriage of Seedlings,Fertilizer etc.			1,000.00
12	Fencing Materials			5,000.00
13	Contingency			2,684.00
	Total			26,184.00
	Total cost per Ha.			55,824.00
14	Escalation cost 10%			5,582.40
	Total cost per Ha.			61,406.40
	Or Say			61,500.00


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Estimate for 3rd Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	10		
2	Planting seedling by dig & plant method including carriage	5		
3	1st time weeding cleaning & mulching with fertilizer 40 gm per pit	16		
4	2nd time weeding cleaning & mulching	14		
5	Repair of fencing	8		
6	Cutting of fireline 3 mtr. Wide	10		
7	Watch & ward	30		
	Total	93	260.00	24,180.00
		100	125.00	12,500.00
8	Supply of Misc. tall seedlings including carriage 10%			1,000.00
9	Carriage of Seedlings from Central Nursery to Planting site including loading and unloading			3,500.00
10	Cost of fertilizer(NPK- 10:26:26) 40 gm per seedlings and insecticides including carriage			4,500.00
11	Cost of fencing materials			2,808.00
12	Contingency			48,488.00
	Total cost per Ha.			4,848.80
13	Escalation cost 10%			53,336.80
	Total cost per Ha.			53,300.00
	Or Say			

Estimate for 4th Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	10		
2	1st time weeding cleaning & mulching	14		
3	2nd time weeding cleaning & mulching	12		
4	Repair of fencing	8		
5	Cutting of fireline 3 mtr. Wide	10		
6	Watch & ward	30		
		84	260.00	21,840.00
	TOTAL			21,840.00
7	Cost of fertilizer(NPK- 10:26:26) 40 gm per seedlings and insecticides including carriage			3,000.00
8	Cost of fencing materials			4,000.00
9	Contingency			2,504.00
	Total cost per Ha.			31,344.00
10	Escalation cost 10%			3,134.40
	Total cost per Ha.			34,478.40
	Or Say			34,500.00


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Estimate for 5th Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	10		
2	1st time weeding cleaning & mulching	12		
3	2nd time weeding cleaning & mulching	10		
4	Repair of fencing	8		
5	Cutting of fireline 3 mtr. Wide	10		
6	Watch & ward	30		
		80	260.00	20,800.00
	TOTAL			20,800.00
				3,500.00
7	Cost of fencing materials			2,480.00
8	Contingency			26,780.00
	Total cost per Ha.			2,678.00
9	Escalation cost 10%			29,458.00
	Total cost per Ha.			29,500.00
	Or Say			

Estimate for 6th Year Maint. of Compensatory Afforestation

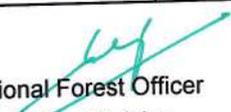
Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Special cleaning of the plantation and removal of unwanted weeds	10		
2	Repair of fencing	6		
3	Cutting of fireline 3 mtr. Wide	10		
4	Watch & ward	30		
		56	260.00	14,560.00
	TOTAL			14,560.00
				3,000.00
5	Cost of fencing materials			2,336.00
6	Contingency			19,896.00
	Total cost per Ha.			1,989.60
7	Escalation cost 10%			21,885.60
	Total cost per Ha.			21,900.00
	Or Say			

Estimate for 7th Year Maint. of Compensatory Afforestation

Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Repair of fencing	8		
2	Cutting of fireline 3 mtr. Wide	10		
3	Watch & ward	30		
		48	260.00	12,480.00
	TOTAL			12,480.00
				2,500.00
4	Cost of fencing materials			1,788.00
5	Contingency			16,768.00
	Total cost per Ha.			1,676.80
6	Escalation cost 10%			18,444.80
	Total cost per Ha.			18,500.00
	Or Say			


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Estimate for 8th Year Maint. of Compensatory Afforestation
Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
		8		
1	Repair of fencing	10		
2	Cutting of fireline 3 mtr. Wide	24		
3	Watch & ward	42	260.00	10,920.00
	TOTAL			10,920.00
				2,000.00
4	Cost of fencing materials			1,752.00
5	Contingency			14,672.00
	Total cost per Ha.			1,467.20
6	Escalation cost 10%			16,139.20
	Total cost per Ha.			16,200.00
	Or Say			

Estimate for 9th Year Maint. of Compensatory Afforestation
Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
		6		
1	Repair of fencing	8		
2	Cutting of fireline 3 mtr. Wide	21		
3	Watch & ward	35	260.00	9,100.00
	TOTAL			9,100.00
				1,500.00
4	Cost of fencing materials			1,460.00
5	Contingency			12,060.00
	Total cost per Ha.			1,206.00
6	Escalation cost 10%			13,266.00
	Total cost per Ha.			13,300.00
	Or Say			

Estimate for 10th Year Maint. of Compensatory Afforestation
Unit 1 Ha.

Sl.No.	Particulars	Qty/MD	Rate	Amount
		5		
1	Repair of fencing	8		
2	Cutting of fireline 3 mtr. Wide	20		
3	Watch & ward	33	260.00	8,580.00
	TOTAL			8,580.00
				1,000.00
4	Cost of fencing materials			948.00
5	Contingency			10,528.00
	Total cost per Ha.			1,052.80
6	Escalation cost 10%			11,580.80
	Total cost per Ha.			11,600.00
	Or Say			


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ABSTRACT

Sl.No.	Particulars	Area in Ha	Rate	Amount
1	Advance works of Compensatory Afforestation	1	2,75,000.00	2,75,000.00
2	Creation works of Compensatory Afforestation	1	1,14,000.00	1,14,000.00
3	1st Year Maint. of Compensatory Afforestation	1	81,700.00	81,700.00
4	2nd Year Maint. of Compensatory Afforestation	1	61,500.00	61,500.00
5	3rd Year Maint. of Compensatory Afforestation	1	53,300.00	53,300.00
6	4th Year Maint. of Compensatory Afforestation	1	34,500.00	34,500.00
7	5th Year Maint. of Compensatory Afforestation	1	29,500.00	29,500.00
8	6th Year Maint. of Compensatory Afforestation	1	21,900.00	21,900.00
9	7th Year Maint. of Compensatory Afforestation	1	18,500.00	18,500.00
10	8th Year Maint. of Compensatory Afforestation	1	16,200.00	16,200.00
11	9th Year Maint. of Compensatory Afforestation	1	13,300.00	13,300.00
12	10th Year Maint. of Compensatory Afforestation	1	11,600.00	11,600.00
	Total Cost for 1.0 Ha			7,31,000.00

Total cost for 1.0 Ha Rs. 7,31,000.00

Total cost for 25.39 Ha Rs.1,85,60,090.00

[Rupees One crore eighty five lakh sixty thousand ninety only]


Divisional Forest Officer
Medinipur Division

Estimate for digging of elephant proof trench around the CA area

[Cost estimate on 1.0 K.M.]

SL NO	Item	Unit	Rate.	Amount (Rs.)	Total Amount (Rs.)
1.	Cost of doing the following works in connection digging of elephant proof trench at vulnerable location to prevent straying of wild elephant & protection of farmers crop , land protection etc of Medinipur Division Cost of digging Elephant proof trench of size 2.5 mt. x 2.0 mt. x 1000.0 mt. = 5000.0 m ³ [Dug up soil should be stored 3.0 mt away from the trench]	m ³	143.00	7,15,000.00	7,15,000.00
	TOTAL			7,15,000.00	7,15,000.00

Rs. 7,15,000.00 x 2.68 kms = Rs. 19,16,200.00

Escalation cost 20% = Rs.3,83,240.00

TOTAL = Rs. 22,99,440.00

OR Say Rs 23,00,000.00 [Rupees Twenty three lakh only]


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Estimate for Felling-logging etc for diversion of Forest Land
At Mouza - Kotalkuli JL.No.326 Plot No.- 3 Area -62.72 Acre [25.39 Ha.]

Sl.No.	Particulars	Qty/MD	Rate	Amount
1	Survey and demarcation over 25.39 ha.	25.39	2,000.00	50,780.00
2	Supply & fitting-fixation of boundary pillar 20 m apart	140	5,000.00	7,00,000.00
3	Cost of Barbed Wire fencing including supply of pillar , barbed wire etc.	25.39	20,000.00	5,07,800.00
4	Up rooting Eucalytus old stump , bush cleaning etc.			-
	a) Uprooting eucalyptus old stomp over 20000 numbers by using JCP machine	25.39	10200.00	2,58,978.00
	b) Special cleaning of bush etc.by JCP machine	25.39	3000.00	76,170.00
5	Contingency			4,272.00
	Total cost			15,98,000.00


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Medinipur Division

ABSTRACT

Sl.No.	Particulars	Area in Ha/ km	Rate	Amount
1	For Compoensatory Afforestation	25.39 ha		1,85,60,090.00
2	For Felling Logging etc	25.39 ha		15,98,000.00
3	Digging Elephant Proof Trench	2.68 km		23,00,000.00
	Total			2,24,58,090.00

Or say Rs. 2,24,58,000.00 [Rupees Two crore Twenty four lakh Fifty eight thousand only]

Addition 25% for S.M.C. Work i.e. Rs.46,40,000.00

GRAND TOTAL Rs. 2,70,98,000.00

[Rupees Two crore Seventy lakh Ninety eight thousand only]


Divisional Forest Officer
Medinipur Division