

Government of Manipur
Office of the Addl. Principal Chief Conservator of Forests
(Climate Change & FCA)
Sanjenthong, Imphal

No.7/295/2021/Forests/263

Imphal, the 13th July, 2023.

To ✓
The General Manager (P), NHIDCL, PMU- Noney.

Subject:- Proposal for diversion of 76.097 ha of Forest Land for "Widening and Improvement of Package- III of Imphal-Jiribam Road Section of NH-37 (NH-53) into two laning of existing of 33+395 km from Longa Koireng village to Kangpokpi district to Ch. 67+496

Sir,

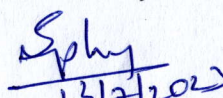
With reference to the subject cited above, you are requested to make payment for cost of raising Avenue plantation on the road side, cost of felling/extraction of trees and boundary demarcation as stipulated in para A- 3, 5 & 6 of the In-principle Approval letter dated 6th February, 2023 as given in the table below.

Sl. No.	Particulars	Amount	Remark
1.	Cost of raising Avenue plantation on the road side	Rs. 1,49,46,155/-	To be deposited into CAMPA account of the State concerned through e-portal (http://parivesh.nic.in).
2.	Cost of felling of trees	Rs. 1,45,41,287/-	To be deposited in the account of DFO/Noney Account Name/Operator: Divisional Forest Officer/Noney Forest Division A/c No. 03461100002711 IFSC Code-PSIB0000346 Punjab & Sind Bank, Thangal Bazar
3.	Cost of boundary demarcation of the diverted forest land.	Rs. 1,39,29,912/-	
	Total	Rs. 2,84,71,199/-	

Detailed estimates for cost of raising Avenue plantation on the road side, cost of felling/extraction of trees and cost of boundary demarcation is enclosed as ANNEXURE-I, II & III respectively.

Enclosed: As stated above.

Yours faithfully,


(Soreiphy Vashum)

Addl. Pr. Chief Conservator of Forest/ APM
Government of Manipur

Copy to:

1. The Divisional Forest Officer/Noney Forest Division, Government of Manipur.

Total cost for Single Row Avenue Plantation at Down Hill side for Package III		
1	Creation of Single Row Avenue Plantation at Down Hill side	₹ 14133942.00
2	2nd year maintenance	₹ 236195.00
3	3rd year maintenance	₹ 209736.00
4	4th year maintenance	₹ 183141.00
5	5th year maintenance	₹ 183141.00
Total Cost		₹ 14946155.00

8. DURATION OF PROJECT

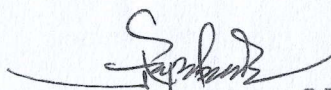
The duration of the plantation scheme shall be for 5 years. In the 1st year, layout of planting pits with geo co-ordinates, staking thereof with already prepared stacks of 75 cm long and 10 cm dia. with one end pointed, digging of planting pits of size 60cm x 60cm x 60cm or making of mounds of the size of pits at sunken portions, refilling with dug out soil after weathering and breaking clods or with imported alluvial or top soil at rocky areas wherever necessary including addition of manure, fertilizer and fungicide and insecticide will have to be made before rains. During next rainy season, planting out of saplings in the prepared pits, weeding, hoeing, mulching, replacement of casualties, providing of fencing and watering of every plant (wherever necessary) at required intervals of time will be taken up. In the next succeeding 5 (five) years maintenance of the plantation including weeding, hoeing, mulching, replacement of casualties and repairing of fencing will have to be taken up.

9. MODE OF IMPLEMENTATION

The project implementing authority (NHIDCL) shall arrange for implementation of this scheme through efficient, dependable, reliable organization as per the applicable guidelines and policy.

10. CONCLUSION

The avenue plantation along the proposed road section would ensure creation of a green corridor which would be ne fit the human community by providing direct and indirect benefits. And it will also support a wide variety of biodiversity of the region which have been branded as rare, endangered and threatened. The initiative of avenue plantation will add a value in the global efforts to mitigate and adapt the climate change phenomenon and would directly fulfill the National and State Action Plans on Climate Change.


 Divisional Forest Officer
 Noney Forest Division
 Government of Manipur

Detailed estimate for the Departmental extraction of 4868 Cum of timber from 76.097 Ha of forest

land for NH37 Imphal-Jiribam for package III under Noney Forest Division

Sl.no.	Particulars	Unit	Qty	Rate	Amount(Rs)	Remarks
1	Delimbing and conversion into logs	Cum	4368	500	2184000	Local Rate
2	Loading into trucks for on road transportation	Cum	4368	155	677040	Local Rate
3	On road transportation upto	Cum	4368	2000	8736000	Local Rate
4	Unloading and proper stacking of Timber	Cum	4368	155	677040	Local Rate
5	Cutting, Loading and transportation, unloading and stacking of Bamboo at Noney	nos	15004	150	2250600	Local Rate
6	General Contingency				16607.775	
					14541287.8	
(Rupees one crore forty five lakh fortyone thousand two hundred eighty seven)						


Range Forest Officer (HQ)
Noney Forest Division
Government of Manipur


Divisional Forest Officer
Noney Forest Division
Government of Manipur

Construction of 684 nos RCC Boundary pillars for demarcation of NH 37 package III Imphal-Jiribam at spacing of about 100 metre between two boundary pillars.

Sl. No.	Item of works	Quantity	Unit	Rate (Rs.)	Amount (Rs.)	Remarks
1	Earthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottom lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed in Hard/Dense soil	0.576	Cum	260.05	149.79	MSR2022
2	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 metres lift upto 1.5 metre.	0.192	Cum	171.67	32.96	MSR2022
3	a. Steel Reinforcement for RCC work i/c binding & Placing in position complete 10 mm @ 0.62 Kg/Rm.(Medium Tensile Steel bars) b. Steel Reinforcement for RCC work i/c binding & Placing in position complete 6 mm @ 0.22 Kg/Rm.(Mild steel)					
	Sub total	12.508	Kg	88.99	1113.09	MSR2022
4	Providing form works i/c cantering & shuttering & propping etc. height of propping & cantering below supporting floor to ceiling not exceeding 4m and removal of the same for in-situ reinforced concrete and plain concrete work in column, pillars, post and struts etc.	4.32	Sqm	777.92	3360.61	MSR2022
5	Reinforced cement concrete work in column, pillars, piers, abutments, posts & struts up to floor two level excluding the cost of centering, shuttering, finishing and reinforcement in 1:1.5:3 (1 cement: 1.5 coarse sand: 3graded stone aggregate 20 mm nominal size)	0.324	Cum	9811.18	3178.82	MSR2022
6	Finishing with 12 mm cement plaster 1:3 (1 cement: 3 fine sand) on rough surface.	2.1	Sqm	325.72	684.01	MSR2022
7	Applying one coat cement primer of approved quality on wall / over rough surface.	2.1	Sqm	51.22	107.56	MSR2022
8	Finishing the sides with waterproof cement paint of approved quality on new work (three or more coat) to give an even shade.	2.1	Sqm	81.01	170.12	MSR2022
9	Lettering with black Japan paint (3 cm height letter for GPS Reading and Fore-bearing and Back-bearing about 30 letter)	90	cm ht	52.2	4698.00	MSR2022
10	Transportation of stone chip and sand to last motorable point for an average road distance of 20 Km.(0 +39.5 Km)/2	0.405	Cum	1122.56	454.64	MSR2022
11	Transportation of cement to last motorable point for an average road distance of 20 Km.(0 +39.5 Km)/2	0.131	tonne	12407.3	1625.36	MSR2022
12	Transportation of the construction materials in the site of erection from the motorable road by head load	1	mdy	500	500.00	MSR2022

16074.96

Add 10% Cost index over the Rate of 2022

1607.50

Add 12% GST.

1929.00

Add 1% Labour Cess

160.75

19772.20

Add not exceeding 3% Contingency

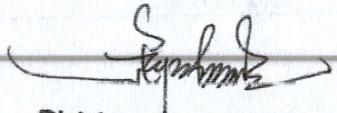
593.17

20365.37

Estimated cost for 684 boundary demarcation pillars.


13929911.93

(Rupees One crore thirty nine lakh twenty nine thousand nine hundred and twelve) only.


 Divisional Forest Officer
 Noney Forest Division
 Government of Manipur

Construction of 684 nos RCC Boundary pillars for demarcation of NH 37 package III Imphal-Jiribam at spacing of about 100 metre between two boundary pillars.

Sl. No.	Item of works	No	Unit	Length	Breadth	Depth	Qty	Remarks
1	Earthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottom lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed in Hard/ Dense soil	1	Cum	0.8	0.6	1.2	0.576	
2	Filling available excavated earth (excluding rock) in trenches, plinth sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering lead upto 50 metres lift upto 1.5 metre.	1/3 of Item No 1.					0.192	
3	a. Reinforcement for RCC work i/c binding & Placing in position complete 10 mm @ 0.62 Kg/Rm.	6	Kg	2.7			10.044	
	b. Reinforcement for RCC work i/c binding & Placing in position complete 6 mm @ 0.22 Kg/Rm.	8	Kg	1.4			2.464	
	Sub-Total						12.508	
4	Providing form works i/c cantering & shuttering & propping etc. height of propping & cantering below supporting floor to ceiling not exceeding 4m and removal of the same for in-situ reinforced concrete and plain concrete work in column, pillars, post and struts etc.	2	Sqm	0.5	0.3	2.7	4.32	
5	Reinforced cement concrete work in column, pillars, piers, abutments, posts & struts up to floor two level excluding the cost of centering, shuttering, finishing and reinforcement in 1:1.5:3 (1 cement: 1.5 coarse sand: 3graded stone aggregate 20 mm nominal size)	1	Cum	0.4	0.3	2.7	0.324	
6	Finishing with 12 mm cement plaster 1:3 (1 cement: 3 fine sand) on rough surface.	2	Sqm	0.4	0.3	1.5	2.1	
7	Applying one coat cement primer of approved quality on wall / over rough surface on part of pillar above the ground.	2	Sqm	0.4	0.3	1.5	2.1	
8	Finishing the sides with waterproof cement paint of approved quality on new work (three or more coat) to give an even shade on part of pillar above the ground.	2	Sqm	0.4	0.3	1.5	2.1	
9	Lettering with black Japan paint (3 cm height letter for GPS Reading, Fore-bearing and Back-bearing 30 letters)	30	per letter/cm ht.			3	90	
10	Transportation of stone aggregate and sand to last motorable point for an average road distance of 20 Km. (0.0765 +0.036) cum	0.405	Cum				0.405	
11	Transportation of cement to last motorable point for an average road distance of 20 Km.(0.131 MT)	0.131	Tonne				0.131	

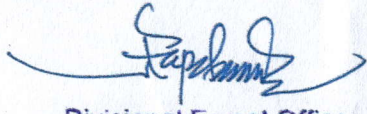

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Analysis for Quantity of materials for Cement Mortar works.

Sl. No	P/L cement concrete in columns piers...etc. excluding the cost of centering and shuttering.	Unit	Agregate cum	Sand cum	Cement MT
b.	1: 1.5:3 (1 c: 1.5 c/s:3 g/st/agg.20 mm)	3 cum	2.55	1.2	1.21
	For one boundary Pillar @1: 1.5:3 (1 c: 1.5 c/s:3 g/st/agg.20 mm)	0.324	0.275	0.1296	0.131

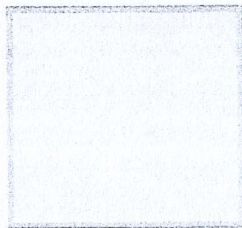
Analysis for Carriage Charge of materials by mechanical transport including loading ,

Particular of Items of transportation.		For 5 km	For addl 1 km beyond 5 km upto 10 km	For addl 1 km beyond	Total		Remarks
	Qty	Rs	Rs	Rs	Rs		
1.11 b. i)							
Sand, stone aggregate below 40 mm nominal size	1 cum	242.7	18.19 x 5	14.08 x 88.70	1248.9		Taking the mean of 35 km distance from the nearest town in Imphal-Jiribam Road
1.12 b. ii)							
Cement mortar for the boundary pillar.	1 MT	183.2	13.72 x 5	x	942.9		do


 Divisional Forest Officer
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Erection of Permanent Survey Pillars

Imphal-Jiribam NH 37 Road Package-III



Foundation Footing

80 cm X 60 cm

Plan for Foundation footing

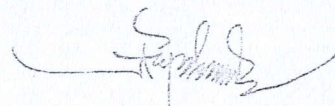


30 cm X 40 cm

G.L.

1.20 Rm

Cross-sectionional View.



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