

GOVERNMENT OF ARUNACHAL PRADESH
PUBLIC WORKS DEPARTMENT
ITANAGAR

No. CEAP(EZ)/WTC-37/Trans-Arunachal/2008-09

Dated 23rd Oct/2008

To

The Chief Engineer (P-10),
Ministry of Shipping, Road Transport & Highways,
Transport Bhawan,
1 – Parliament Street,
New Delhi – 110 001.

**Sub: NH-229 (Nechipu to Hoj) – Costs assessment on Land Acquisition/
compensatory afforestation/ shifting of utilities etc.**

Sir,

In continuation to letter 22nd October 2008, enclosed please find herewith a statement showing tentative cost assessment on Land Acquisition, Compensatory Afforestation/ shifting of buildings/ Agricultural lands/ shifting of utilities etc for the road sector Nechipu to Hoj. The amount is estimated at **Rs. 168.41 crores**.

The amount may be treated as tentative which have been worked out from the data furnished in Pre-Feasibility Report. The detail survey shall follow and Ministry shall be intimated the correct status at the earliest possible time.

Enclo: **As stated above.**

Yours faithfully,



(Bora Ete)
Chief Engineer (EZ)

Copy to:

1. The Commissioner (PWD), Govt. of Arunachal Pradesh for information.
2. The Chief Engineer (Western Zone) PWD for information.
3. The Chief Engineer (Design & Planning) for information.
4. The OSD, Govt. of Arunachal Pradesh, Arunachal Bhawan, New Delhi for information.

Chief Engineer (EZ)
Itanagar

TENTATIVE COSTS OF PROJECT ADDITIONALS FOR NECHIPU-SEPPA-HOJ ROAD

(All Financial Figures in Rs. Lakhs)

Sl.No	Item	Calculations for Quantity	Unit	Quantity	Rate	Cost	Remarks
<u>NECHIPU-SEPPA-HOJ (311 Km)</u>							
1)	Land Acquisition						
	a) Open Areas (ROW: 60m)	$((60-5.95) \times 265.74 \times 1000) / 10000 =$	Hectares	1436.32	1.50	2154.49	Market Rate
	b) Built-up Areas (ROW: 40m)	$((40-5.95) \times 44.25 \times 1000) / 10000 =$	Hectares	150.67	1.50	226.01	Market Rate
2)	Compensatory Afforestation	$((60-5.95) \times 265.74 \times 1000) / 10000 =$	Hectares	1436.32	0.85	1220.88	Market Rate
3)	Compensation for shifting of buildings						
	a) Temporary Structures	$(40-5.95) \times 26.51 \times 1000 \times 0.80 \times 0.50 =$	Sqm	361066.20	0.00525	1895.60	Market Rate
	b) Semi-Permanent Structures	$(40-5.95) \times 26.51 \times 1000 \times 0.10 \times 0.50 =$	Sqm	45133.28	0.10	4513.33	Market Rate
	c) Permanent Structures	$(40-5.95) \times 26.51 \times 1000 \times 0.10 \times 0.50 =$	Sqm	45133.28	0.15	6769.99	Market Rate
4)	Compensation for Agricultural/ Horticultural Lands, etc.	$((60-5.95) \times 17.74 \times 1000) / 10000 =$	Hectares	95.88	0.30	28.77	Market rate
5)	Shifting of Electric HT/LT lines, telephone cables, etc						
	a) HT Lines	HT: $13 \times 0.20 \times 26.51 =$	Nos	69	0.0370	2.55	Market rate
	a) LT Lines	LT: $24 \times 0.80 \times 26.51 =$	Nos	509	0.0160	8.14	Market rate
6)	Shifting of Water Lines	@ 45 metres per Km (45x311)	Metres	13995.00	0.00150	20.99	Market rate
Total:						16840.74	



(Bora Ete)
Chief Engineer (EZ)

LAND USE PATTERN

Sl.No	Chainage		Land Use Pattern (Length in Km)		
	From (Km)	To (Km)	Forest	Built-Up	Agricultural/ Horticultural Land

SECTOR: NECHIPU TO SEPPA (97.53 Km)

1	0.000	0.300	0.30		
2	0.300	4.050		3.75	
3	4.050	16.450	12.40		
4	16.450	16.600		0.15	
5	16.600	17.500	0.90		
6	17.500	17.650		0.15	
7	17.650	19.150	1.50		
8	19.150	19.780		0.63	
9	19.780	38.000	18.22		
10	38.000	40.300		2.30	
11	40.300	50.450	10.15		
12	50.450	50.700		0.25	
13	50.700	60.000	9.30		
14	60.000	61.919			1.92
15	61.919	63.411		1.49	
16	63.411	63.831	0.42		
17	63.831	64.055		0.22	
18	64.055	64.516			0.46
19	64.516	65.550	1.03		
20	65.550	66.000		0.45	
21	66.000	73.953	7.95		
22	73.953	74.000		0.05	
23	74.000	80.732	6.73		
24	80.732	80.970		0.24	
25	80.970	81.278	0.31		
26	81.278	81.588		0.31	
27	81.588	81.715	0.13		
28	81.715	81.835		0.12	
29	81.835	82.177	0.34		
30	82.177	82.267		0.09	
31	82.267	82.923	0.66		
32	82.923	83.139		0.22	
33	83.139	88.231	5.09		
34	88.231	88.321		0.09	
35	88.321	88.923	0.60		
36	88.923	89.961			1.04
37	89.961	90.137		0.18	
38	90.137	90.579			0.44
39	90.579	91.482		0.90	
40	91.482	92.036	0.55		
41	92.036	92.279		0.24	
42	92.279	92.770	0.49		
43	92.770	93.166			0.40
44	93.166	93.346		0.18	
45	93.346	93.826			0.48
46	93.826	97.000	3.17		
47	97.000	97.400		0.40	
48	97.400	97.530	0.13		
Sub-Total:			80.39	12.41	4.74

LAND USE PATTERN

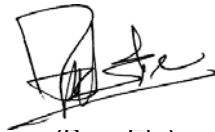
Sl.No	Chainage		Land Use Pattern (Length in Km)		
	From (Km)	To (Km)	Forest	Built-Up	Agricultural/ Horticultural Land

SECTOR: NECHIPU TO SEPPA (97.53 Km)

1	0.000	0.900		0.90	
2	0.900	20.000	19.10		
3	20.000	21.000		1.00	
4	21.000	26.500	5.50		
5	26.500	32.500		6.00	
6	32.500	42.000	9.50		
7	42.000	42.500		0.50	
8	42.500	50.000	7.50		
9	50.000	51.500			1.50
10	51.500	69.300	17.80		
11	69.300	69.500		0.20	
12	69.500	74.000			4.50
13	74.000	74.500		0.50	
14	74.500	110.450	35.95		
		Sub-Total:	95.35	9.10	6.00

SECTOR: KHODASO TO HOJ (102.00 Km)

			90.00	5.00	7.00
		Grand Total:	265.74	26.51	17.74



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