

GOVERNMENT OF INDIA
NORTH EASTERN COUNCIL SECRETARIAT
NONGRIM HILL, SHILLONG – 793 003

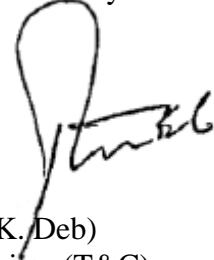
No. NEC/T&C/APPROVAL/2006-07/35

Dated 21st December, 2006

Secretary, NEC is exercise of the financial power authorized vide Government of India, Ministry of Home Affairs vide their letter No. 10/5/86-NE-II dated 8th May, 1987 has accorded administrative approval to the work pertaining to Construction and Improvement of **Digboi – Pengri - Bordumsa road** under NEC programme at an estimated cost of **Rs. 49.43 Crore** (Rupees Forty Nine Crore Forth Three Lakhs) only including department charges as conveyed by Ministry of DONER letter F.No.1/16/006-DONER(NEC-O) Vol.II dated 5th September, 2005.

2. The expenditure on the work during the current financial year should be met from the total provision of Rs. _____ Lakhs made in the budget for NEC plan scheme for 2006-07 in respect of Road and Bridges schemes to be implemented by the Government of Arunachal Pradesh.
3. The work will be executed by the Government of Arunachal Pradesh through their Public Works Department. The expenditure pertaining to the work should be classified in the State Government budget the Departmental accounts in accordance with the instructions contained in the Government of India, Ministry of Finance, Department of Economic Affairs letter No. F.1(40)-B-75 dated 22nd July, 1975 addressed to the Accountant General with a copy endorsed to the Finance Department of the State Government.
4. Sanction for the work will be issued by the State Government according to their usual procedure. It should be ensured that before taking up the work and issue of Technical Sanction, a detailed estimate is prepared by complying fully with the Technical Note issued by the Council Secretariat vide letter No. NEC/T/8D/AP-II/10th Plan-05-06 (copy enclosed).
5. Financial assistance to the State Government towards expenditure on the scheme will be provided every quarter based on the quarterly physical and financial progress reports to be furnished by the Chief Engineer (E/Z), Government of Arunachal Pradesh, Public Works Department in the prescribed proforma to reach the Director (E&M) of the Council Secretariat by 15th of the month following each quarter.
6. The expenditure involved is debitable to the relevant Major Head and Sub-Head under Grant No. 28 of Ministry of Development of North Eastern Region for 2006-2007 and subsequent years.

7. This issue with the concurrence of Financial Adviser, NEC vide Dy. No. 38 dated 8.12.2006.



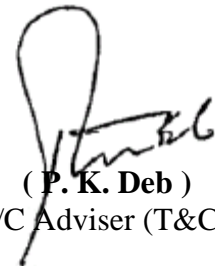
(P.K. Deb)
I/C Adviser (T&C)

No. NEC/T&C/APPROVAL/2006-07/35

Dated 21st December, 2006

Copy forwarded to the :-

1. Director (NEC), Govt. of India, Ministry of Development of North Eastern Regions, New Delhi – 110 001.
2. Deputy Director (NEC), Planning Commission, Yojana Bhavan, New Delhi – 110 001.
3. Accountant General (Audit), Government of Arunachal Pradesh, Itanagar.
4. Chief Secretary, Government of Arunachal Pradesh, Itanagar.
5. Secretary, Planning Department, Government of Arunachal Pradesh, Itanagar.
6. Development Commissioner, Government of Arunachal Pradesh, Itanagar.
7. Secretary, Finance Department, Government of Arunachal Pradesh, Itanagar.
8. Secretary, Public Works Department, Government of Arunachal Pradesh, Itanagar. (Technical Note enclosed)
9. Chief Engineer, Public Works Department, Eastren Zone, Government of Arunachal Pradesh. (Technical Note enclosed).
10. P.S. to Secretary, NEC Secretariat, Shillong.
11. Planning Adviser, NEC Secretariat, Shillong.
12. Financial Adviser, NEC Secretariat, Shillong.
13. Director (E&M), NEC Secretariat, Shillong.
14. D.I.P.R., NEC Secretariat, Shillong.
15. Finance Wing, NEC Secretariat, Shillong.
16. I/C NIC-NEC Secretariat Shillong for publishing in the website <http://neccouncil.nic.in>
17. Guard File
18. Office Copy



(P. K. Deb)
I/C Adviser (T&C)

TECHNICAL NOTE

1. Name of Work : Construction and Improvement of **Digboi – Pengri – Bordumsa Road** (Length = 40.00 Kms in Arunachal Pradesh)
2. State : Arunachal Pradesh
3. Estimated cost : **Rs. 49.43 Crore**
4. Estimated cost accepted by NEC : **Rs. 49.43 Crore**
5. Estimated cost per Km : **Rs. 123.00 Lakhs/Km**
6. Reference : DONER Ministry Letter No. F.No.1/16/2006-
DONER (NEC-P) (Vol.II) dated 5th September, 2006.

COMMENTS

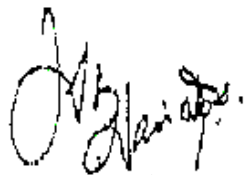
1. **Scheme:** The road **Digboi-Pengri-Bordumsa** was approved by the Planning Commission to be included in the 10th Five Year Plan of NEC. The EFC meeting was held on 11th July, 2006. The competent authority has conveyed the approval of the scheme vide DONER Ministry letter No. F.No.1/16/2006/-DONER (NEC-P) (Vol.II) dated 5th September, 2006.
2. **General:** This is an important interstate road between Assam and Arunachal Pradesh. Total length of the road is **74.70 Kms** in Arunachal Pradesh and Assam. Out of which **40.00 Kms in Arunachal Pradesh** and **34.70 Kms in Assam**. The item-wise details are explained below:
 - (1). **Jungle Cutting:** This is an existing ODR standard road proposed for improvement to MDR standard in view of the above the jungle cutting has been proposed.
 - (2). **Earthwork in filling:** The existing formation width is 6.00 mtr. As per the MDR standard the formation width is to be improved to 9.00 mtr. for the plain area. The top 50 cm will be having selected soil of 7% CBR value. The widening has been proposed accordingly.
 - (3). **Pavement works:** The total pavement thickness has been proposed as 37.50 cm that is 15 cm GSB, 15 cm Grade-II metal in two layers and top 7.50 cm by Grade-III metal followed by premix carpeting and seal coat and it is accepted.

- (4). **Cross drainage works:** There are 125 nos. of cross drainage works proposed for a road length of 40.00 Km i.e. 3 nos. culvert per Km which is reasonable and accepted. Out of the 125 culverts, 900 mm Hume Pipe culverts single row = 102 Nos. RCC 2 metre span slab culverts = 9 Nos. RCC 3 metre span = 10 Nos., RCC slab culverts 6 mtr span culverts = 4 Nos.
- (5). **Bridges:** There are 6 Nos. of bridges on this road having the total span of 128 mtr. The State Govt. has submitted the estimate in running meter basis. This is accepted only for estimate purposes only. The Chief Engineer PWD Arunachal Pradesh may ensure that the bridges are designed based on the detailed sub-soil investigation and hydraulic particulars and actual site conditions etc. and the same may be incorporated in the detail estimate before actual execution of the work.

Subway bridge & diversion approach road has been proposed at all the 6 Nos. of bridges since the existing location will be the location of the main bridges. Moreover these subway bridges will be requires to maintain the normal flow of traffic during execution of the main bridges and it is accepted.

- (6). Miscellaneous item including shifting of electrical posts. The miscellaneous items such as “KM Stone” and “Sign Boards” have been accepted as per norms alongwith shifting of electric posts for widening of the formation from existing ODR to MDR.
3. **Other Centage Charges:** Other centage charges are accepted as per norms i.e. 1% Quality Control, 1.5% Work Chare establishment, 1% Maintenance during construction, 3% contingency and 6.5% agency charges.
4. **Rate:** Estimate has been prepared based on the updated cost of Arunachal Pradesh schedule 2006-07 price level and it is accepted as per approval of EFC.

The detailed estimate may be prepared based on the comments given in the Technical Note as well as stipulation laid down by MoRTH/IRC for construction of Roads and Bridges as per MDR standard before actual execution of work by the competent authority.




(K. Haridoss)
Executive Engineer (T&C)



(P.K. Deb)
I/C Adviser (T&C)

**ABSTRACT OF COST
UP-GRADATION OF DIGBOI-PENGRI-BORDUMSA ROAD**

Sl. No.	Item of works	Amount (lakh)
1.	Jungle Clearance	1.05
2.	Earth Work	857.83
3.	Metalling	1601.20
4.	Surfacing	472.58
5.	Culverts	
	a) 900 mm HP culverts single row = 102 Nos.	243.16
	b) RCC slab culvert 2.00 mtr span = 9 Nos.	54.32
	c) RCC slab culvert 3.00 mtr span = 10 Nos.	65.93
	d) RCC slab culvert 6.00 mtr span = 4 Nos.	60.25
6.	Bridge	812.80
7.	KM Stone and Road Sign Boards	16.78
8.	Retaining Wall	33.98
9.	Electrical	13.00
10.	Road side drain	49.01
11.	Diversion of road	79.66
	Total	4362.14
	Add 1% Quality Control	35.03
	Add 1.5% WC establishment	65.43
	Total	4506.22
	Add 3% Contingencies	135.19
	Total	4541.41
	Add 6.5% Agency Charges	301.69
	Grand total	4943.10
	Say	Rs. 49.43 Cr
	(Rupees Forty Nine Crore Forty Three Lakhs) only	



(K. Haridoss)

Executive Engineer (T&C)



(P.K. Deb)

I/C Adviser (T&C)