

## Ministry of Development of North Eastern Region

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**Minutes of the 39<sup>th</sup> Meeting of the NLCPR Committee held at 12:00 pm on 24<sup>th</sup> February 2006, in Committee Room, Vigyan Bhavan Annexe, Chaired by the Secretary, M/o DoNER.**

### **Present**

1. Smt Gauri Chatterji, Secretary, Ministry of Development of North Eastern Region.....In Chair.
2. Shri N.A. Vishwanathan, Additional Secretary & FA, Ministry of Development of North Eastern Region
3. Shri Rajiv Agarwal, Joint Secretary (NE) Ministry of Home Affairs
4. Shri D.S. Poonia, Joint Secretary, Ministry of Development of North Eastern Region.
5. Dr. Hari Krishna, Joint Secretary, Ministry of Development of North Eastern Region.
6. Shri S.N. Brohmo Choudhury, Director (SP- NE), Planning Commission.
7. Shri S.K.Bhatnagar, Deputy Director (PF-I), Ministry of Finance.
8. Shri D.N. Kataria, AFA (Home), Ministry of Home Affairs.

Shri V. S. Senthil, JS (PF-I), Department of Expenditure, Ministry of Finance and, were granted leave of absence.

The Committee met and deliberated on the Agenda items. Following observations and recommendations were made:

**Item No.1: Confirmation of Minutes of the 38<sup>th</sup> Meeting of the NLCPR Committee held on 23.01.2006**

Minutes of the 38<sup>th</sup> Meeting were confirmed.

**Item No.2: Action taken report of decisions/ recommendations made by NLCPR Committee in the 38<sup>th</sup> Meeting held on 23.01.2006**

The Committee noted the progress of action taken by the Ministry of DoNER on the decisions/ recommendations made by the NLCPR Committee in the 38<sup>th</sup> meeting held on 23.01.2006.

**Item No. 3: Proposal for "Construction of Motorable Suspension Bridge over river Siang at the site of Gandhi Bridge" in Upper Siang District of Arunachal Pradesh**

The Committee discussed the proposal and after deducting 1% quality control amounting to Rs.22.13 lac and Sub-soil Investigation amounting to Rs.25.00 lac, recommended the project for sanction at a cost of Rs.2521.77 lac. Details of items of works as under:

Sl.No.	Major Components of work	Cost (Rs. in lac)
1	Motorable Suspension Bridge (320 mtr. span)	2272.76
2	Wire rope FSB required during construction (320 mtr)	11.98
3	Protection work of Abutment & river training works (Left & Right Bank)	57.35
4	Left bank approach road	
	a) Approach road (1000m)	88.86
	b) Bailey Bridge of 21.30m span	52.53
5	Right bank approach road (500m)	38.29
<b>Total</b>		<b>2521.77</b>

**Item No.4: Proposal for "Improvement/ Upgradation of Menga-Giba Road (8 Km)" in Upper Subansiri District of Arunachal Pradesh**

The Committee observed that MoRTH had vetted the project at the cost of Rs. 356.67 lac. It recommended the proposed project at this cost with item-wise break up as under:

Sl. No.	Major components of work	Cost (Rs. in lac)
1.	Formation Cutting (Re-alignment) (410 mtr)	25.24
2.	Improvement of Gradient (2467 mtr)	80.06
3.	Widening/Back Cutting (3007 mtr)	52.24
4.	Earth Filling (790 mtr)	59.08
5.	C.D. Structure	
	a) Slab Culvert (2 mtr. span) - 5 nos.	25.82
	b) R/Wall & B/Wall (3mtr. height) - 550 mtr.	86.23

	c) R/Wall & B/Wall (6mtr. height) - 90 mtr.	26.35
6.	Kutchra drain - 7900 mtr.	1.65
<b>Grand Total</b>		<b>356.67</b>

**Item No.5 : Project for 'Construction of RCC Bridge No. 38/1 Inlaipar Channel,, 43/1 & 43/3 on Paikan Channel and 44/2 on Bagha River including approaches and sub-way on Silchar Hailakandi Road in Hailakandi District, Assam'**

The Committee noted that D/o R T & H had examined and vetted the DPR. Accordingly, the Committee recommended the proposal for sanction at Rs. 353.13 lac subject to the condition raised by the D/o RT & H that the structure should withstand all combinations of seismic forces in which the Chief Engineer (PWD) has to satisfy himself about the adequacy and safety of all structural components before starting execution. Details of items of work are as under:

<b>Sl. No.</b>	<b>Name of item</b>	<b>Cost (Rs. in lac)</b>
<b>1.</b>	<b>Bridge No. 38/1 (Length: 31.50 m)</b>	
	Bridge Proper	95.51
	Approaches	11.16
	Protection Work	7.13
	Sub-total:	<b>113.80</b>
	Add Contingency @1%	1.14
	Miscellaneous*	6.92
	Total (A):	<b>121.86</b>
<b>2.</b>	<b>Bridge No. 43/1 (Length: 14.50 m)</b>	
	Bridge Proper	47.09
	Approaches	5.50
	Protection Work	2.23
	Sub-total:	<b>54.82</b>
	Add Contingency @1%	0.55
	Miscellaneous*	3.69
	Total (B):	<b>59.06</b>
<b>3.</b>	<b>Bridge No. 43/3 (Length: 10.50 m)</b>	
	Bridge Proper	41.21
	Approaches	10.20
	Sub-total:	<b>51.41</b>
	Add Contingency @1%	0.51
	Miscellaneous*	3.69
	Total (C):	<b>55.61</b>
<b>4.</b>	<b>Bridge No. 44/2 (Length: 29.00 m)</b>	
	Bridge Proper	85.42
	Approaches	14.72
	Protection Work	8.46
	Sub-total:	<b>108.60</b>
	Add Contingency @1%	1.08
	Miscellaneous*	6.92
	Total (D):	<b>116.60</b>
	Grand Total (A) + (B) + (C) + (D):	<b>353.13</b>

\*Misc. items are Construction of temporary diversion road and sub-way required for smooth flow of traffic.

The contingency charges amounting to Rs.3.28 lac may be reimbursed against actual contingent expenditure on production of documentary evidence but would exclude expenditure on work charged establishment.

**Item No. 6: Project for 'Construction of RCC Bridge No. 4/1 and 15/1 including approaches on Nagaon Bhuragaon Road in Nagaon District (Assam).**

As the DORTH had vetted the proposal the NLCPR Committee recommended the project for sanction at a total cost of Rs. 434.40 lac, subject to the condition that the Chief Engineer (PWD) has to satisfy himself about the adequacy and safety of all structural components before starting execution so that the structure withstands all combinations of seismic forces. The details of cost of the project are as under:

Sl. No.	Name of item	Cost (Rs. in lac)
1.	<b>Bridge No. 4/1 (Length: 40.00 m)</b>	
	Bridge Proper	163.02
	Approaches	44.69
	Protection Works	3.64
	Sub-total:	<b>211.35</b>
	Add Contingency @1%	2.11
	Total (A):	<b>213.46</b>
2.	<b>Bridge No. 15/1 (Length: 60.00 m)</b>	
	Bridge Proper	195.14
	Approaches	20.34
	Protection Works	3.27
	Sub-total:	<b>218.75</b>
	Add Contingency @1%	2.19
	Total (B):	<b>220.94</b>
	Grand Total (A) + (B):	<b>434.40</b>

The contingency charges amounting to Rs.4.30 lac may be reimbursed against actual contingent expenditure on production of documentary evidence but would exclude expenditure on work charged establishment.

**Item No.7: Proposal for 'Construction of RCC Bridge No. 3/1 on Pukia Silapathar Road in Dhemaji District, Assam' for consideration of sanction.**

The Committee noted that this proposal had been considered and retained by the Committee in its 21<sup>st</sup> meeting held on 4.3.2003. Moreover, D/o RT & H had found the estimated cost of the project which is based on the SOR of 2004-05 to be reasonable. Thus even though the cost of the project is less than Rs. 2.00 crore, but as the project is retained one, therefore, the Committee recommended the proposal for sanction at total cost of Rs.136.78 lac with following items of work:

<b>Sl. No.</b>	<b>Name of item</b>	<b>Cost (Rs. in lac)</b>
1.	<b>Bridge No. 3/1 (Length: 34 m)</b>	
	Bridge Proper	104.02
	Approaches	23.30
	Protection Work	4.11
	Miscellaneous*	4.00
	Sub-total:	<b>135.43</b>
	Add Contingency @1%	1.35
	Total:	<b>136.78</b>

\*Misc. items are Construction of temporary diversion road and sub-way required for smooth flow of traffic.

The contingency charges amounting to Rs.1.35 lac may be reimbursed against actual contingent expenditure on production of documentary evidence but would exclude expenditure on work charged establishment.

**Item No.8: Proposal for ‘Construction of RCC Bridge No. 2/2 and 4/2 including approaches on Gurnagar - Tikrikilla Road in Goalpara District (Assam)’ (Estimated cost: Rs. 355.19 lac) for consideration of sanction.**

The Committee was informed that D/o RT & H had examined and accepted the DPR at a project cost of Rs. 355.19 lac, subject to the condition that the Chief Engineer (PWD) has to satisfy himself about the adequacy and safety of all structural components before starting execution so that the structure withstands all combinations of seismic forces. Accordingly, the Committee recommended its sanction at total cost of Rs.355.19 lac with following items of work:

<b>Sl. No.</b>	<b>Name of item</b>	<b>Cost (Rs. In lac)</b>
1.	<b>Bridge No. 2/2 (Length: 30.00 m)</b>	
	Bridge Proper	99.38
	Approaches	34.79
	Protection Works	6.72
	Sub-total:	<b>140.89</b>
	Add Contingency @1%	1.41
	Total (A):	<b>142.30</b>
2.	<b>Bridge No. 4/2 (Length: 74.25 m)</b>	
	Bridge Proper	165.60
	Approaches	36.11
	Protection Works	9.08
	Sub-total:	<b>210.79</b>
	Add Contingency @1%	2.10
	Total (B):	<b>212.89</b>
	Grand Total (A) + (B):	<b>355.19</b>

The contingency charges amounting to Rs.3.51 lac may be reimbursed against actual contingent expenditure on production of documentary evidence but would exclude expenditure on work charged establishment.

**Item No.9:      Proposal for ‘Construction of RCC Bridge No. 1/1 and 4/1 on Nilbagan Hojai Road in Nagaon District, Assam’ for consideration of sanction.**

The Committee was informed that D/o RT & H has observed that the estimated cost of the project is based on the SOR of 2004-05 and found to be reasonable. The Committee recommended the proposal for sanction at a cost of Rs. 191.67 lac with the following components. Although the cost of the proposal is less than Rs. 2.00 crore but since this proposal is the part of a big retained project for conversion of 75 existing SPT bridges by RCC bridges so it has been recommended.

Sl. No.	Name of item	Estimated cost
1.	<b>Bridge No. 1/1 (Length: 21.75 m)</b>	
	Approaches	46.90
	Bridge Proper	54.62
	Protection Work	5.48
	Sub-total:	<b>107.00</b>
	Add Contingency @1%	1.07
	Total (A):	<b>108.07</b>
2.	<b>Bridge No. 4/1 (Length: 18.75 m)</b>	
	Approaches	29.72
	Bridge Proper	48.77
	Protection Work	4.25
	Sub-total:	<b>82.74</b>
	Add Contingency @1%	0.83
	Total (B):	<b>83.57</b>
	Grand Total (A)+(B):	<b>191.67</b>

The contingency charges amounting to Rs. 1.90 lac may be reimbursed against actual contingent expenditure on production of documentary evidence but would exclude expenditure on work charged establishment.

**Item No.10:      Proposal for ‘Construction of RCC Bridge No. 27/2, 28/1, 29/1, 30/2, 32/2, 35/1 and 45/1 including approaches on Dhubri Kachugaon Road in Kokrajhar District, Assam’ for consideration of sanction.**

The Committee was informed that D/o RT & H had examined and accepted the DPR at the cost of the project at Rs. 516.40 lac, subject to the condition that the Chief Engineer (PWD) has to satisfy himself about the adequacy and safety of all structural components before starting execution so that the structure should withstand all combinations of seismic forces. Accordingly the Committee recommended its sanction at total cost of Rs.516.40 lac with following items of work:

Sl. No.	Name of item	Cost (Rs. In lac)
1.	<b>Bridge No. 27/2 (Length: 10.00 m)</b>	
	Bridge Proper	35.34
	Approaches	7.02

Sl. No.	Name of item	Cost (Rs. In lac)
	Sub-total:	<b>42.36</b>
	Add Contingency @1%	0.42
	Total (A):	<b>42.78</b>
2.	<b>Bridge No. 28/1 (Length: 10.50 m)</b>	
	Bridge Proper	38.66
	Approaches	8.29
	Sub-total:	<b>46.95</b>
	Add Contingency @1%	0.47
	Total (B):	<b>47.42</b>
3.	<b>Bridge No. 29/1 (Length: 10.00 m)</b>	
	Bridge Proper	34.23
	Approaches	5.90
	Sub-total:	<b>40.13</b>
	Add Contingency @1%	0.40
	Total (C):	<b>40.53</b>
4.	<b>Bridge No. 30/2 (Length: 14.50 m)</b>	
	Bridge Proper	40.76
	Approaches	21.73
	Sub-total:	<b>62.49</b>
	Add Contingency @1%	0.62
	Total (D):	<b>63.11</b>
5.	<b>Bridge No. 32/2 (Length: 40.00 m)</b>	
	Bridge Proper	130.05
	Approaches	30.51
	Sub-total:	<b>160.56</b>
	Add Contingency @1%	1.61
	Total (E):	<b>162.17</b>
6.	<b>Bridge No. 35/1 (Length: 31.70 m)</b>	
	Bridge Proper	88.12
	Approaches	10.28
	Sub-total:	<b>98.40</b>
	Add Contingency @1%	0.98
	Total (F):	<b>99.38</b>
7.	<b>Bridge No. 45/1 (Length: 16.50 m)</b>	
	Bridge Proper	42.02
	Approaches	18.39
	Sub-total:	<b>60.41</b>
	Add Contingency @1%	0.60
	Total (G):	<b>61.01</b>
	Grand Total (A)+(B)+(C)+ (D) + (E) + (F) +(G):	<b>516.40</b>

The contingency charges amounting to Rs. 5.10 lac may be reimbursed against actual contingent expenditure on production of documentary evidence but would exclude expenditure on work charged establishment.

**Item No.11:            Proposal for “Redevelopment of lawmusiang Market for Jaintia Hills Autonomous District Council” at Jowai, Meghalaya**

The Committee noted that M/o UD vetted the project at Rs. 18.90 crore and stated that the estimate has been prepared on PAR 2002 & corrected to the present Cost Index provided by competent authority which has been scrutinized

& corrected as per the norms and admissibility as per Plinth Area Rates. The Committee after deliberations recommended the proposal for sanction at a total cost of Rs.1881.74 lac as per the details given below. However, the Committee observed that as the building is proposed to be 8 storeyed, therefore, clearance of Ministry of Urban Development should be obtained whether it is admissible to have 8 storeyed building in that earthquake prone region and whether all provisions for design for earthquake resistance have been provided for in the design of the building.

<b>Sl. No.</b>	<b>Components of work</b>	<b>Cost (Rs. in lac)</b>
1	a) Civil works (Lower Ground + Ground Floor + Six storeys)	1462.55
	b) Services (Internal Water Supply and Sanitary Installations, External Services Connection, Internal Electrical Installation, Extra for power wiring, Extra for lightening conductors, Extra for telephone conduit)	283.23
	c) Development of site	24.65
2.	Elevators (2 Nos)	48.00
3.	Goods lift (1 No)	8.50
<b>Sub Total</b>		<b>1826.93</b>
4.	3% Contingencies	54.81
<b>Grand Total</b>		<b>1881.74</b>

The 3% contingency charges amounting to Rs. 54.81 lac may be reimbursed against actual contingent expenditure on production of documentary evidence but would exclude expenditure on work charged establishment.

**Item No.12: Synchronisation of Rimbi Stage – I, Rimbi – II and Kkhep (Dentam) with the 66 KV State Grid including Renovation and Modernization of Rimbi Stage – I, Rimbi – II and Kkhep**

The Committee noted that CEA (MOP) commented that the DPR containing the electrical works has been found to be generally in order and recommended that DoNER may consider funding the electrical works at an estimated cost of Rs. 541.56 lac. Further on civil part CEA recommended that DoNER may consider funding the civil works of the DPR at an estimated cost of Rs. 640.88 lac.

The Committee also noted that IFD have no objection in placing the project before NLCPR Committee at an estimated cost of Rs. 962.32 lac. After discussion, the Committee recommended that the project may be sanctioned as per the following items / components of work.

**A Electrical Works**

<b>S. No.</b>	<b>Items</b>	<b>Amount (In Rs.)</b>
1	Part I: Materials required for 66 / 11 KV control room at Gyalshing	5,700,223.00
2	Part II: Synchronization arrangement at KKHEP (Dentam)	10,845,318.00



3	Part III: Synchronization arrangement at Rimbi Power houses Stage – I	13,434,099.00
4	Part IV: Synchronization arrangement at Rimbi Power houses Stage – II	12,167,712.00
5	Part V: Drawing of 11 KV heavy Duty line from Rimbi to 66 / 11 KV control room at Gyalshing	11,233,948.00
6	Part VI: Drawing of 11 KV heavy Duty line from Rimbi Stage – I to Rimbi Stage – II	775,176.00
<b>TOTAL</b>		<b>54,156,476.00</b>

#### **B Civil Works**

<b>S. No.</b>	<b>Items</b>	<b>Amount (In Rs.)</b>
1	Renovation and Modernisation of Rimbi Stage –I, Stage – II and Kalej Khola	29,359,452.00
2	Addition and alteration of residential and non – residential building of Rimbi Stage –I, Stage – II and Kalej Khola	3,515,067.00
3	Slope treatment and stability measure to the Water and Power Houses of Rimbi Stage –I, Stage – II and Kalej Khola	5,322,622.00
4	Improvement of Approach Road, Water Supply, Drainage and Fencing of Rimbi Stage –I, Stage – II and Kalej Khola	3,878,857.00
<b>TOTAL</b>		<b>42,075,998.00</b>

#### **C Grand Total (A + B)**

**Rs. 9,62,32,474.00**

#### **Item No.13: Project, 'Improvement of Banikya Chowmuhani – Salbagan road (9.121 Km.)' in Tripura, for sanction.**

The Committee was informed that D/o RT & H have mentioned that the cost per km. works out to Rs. 60.42 lac per km based on TSR - PWD - 2002 found to be in order including the Cost Index @22.5%. As per the policy the Committee after deducting 1% Quality Control amounting Rs.4.66 lac, Road Side Accommodation @ 1% (Rs.4.70 lac), Work Charged Establishment @1.5% (Rs.7.12 lac) and Agency Charges as the State PWD would implement the project @11% (Rs.54.61 lac), recommended the proposal for sanction at total cost of Rs.476.92 lac. The following observations of the D/o RT & H are also to be communicated to the State Government

- i. It is reiterated that all out effort may be made to provide maximum possible radius of curve to offer minimum turning circle of a vehicle as stipulated in Clause No. 4.4.5 of IRC: 38-1998 and where reduction of design speed is absolute necessary, the same should not be changed abruptly, in such situation proper warning sign should also be erected well ahead of the point of danger.
- ii. The aggregate length of the drain has been modified from 1824.20 m to 6840.75 m without giving justification for the same. State Chief Engineer may re-examine the proposal and approve at his end as per actual requirements adapting to the possible extent the least minimum prescribed slope.

The items of work approved by the Committee are as under:

Sl. No.	Item of work	Amount (Rs. in lac)
<b>I. Road Works</b>		
1	Clearing & Grabbing Works	1.25
2	Earth work and Road side drain	34.33
3	Granular Sub bases & Bases and Shoulders	245.99
4	Traffic Signs & other Road Appurtenances	2.34
5	Surface Courses	73.87
6	Protection Works	0.43
	<b>Cost of Road</b>	<b>358.21</b>
<b>II. Cross Drainage Structure</b>		
7	Pipe Culverts	15.38
8	Slab Culverts and Bridges	5.38
9	Protection Works	1.01
	Miscellaneous Works (Demolishing of existing structures)	0.04
	<b>Sub-total (I + II)</b>	<b>380.02</b>
<b>III. Cost Index @22.5 %</b>		<b>85.50</b>
	<b>Sub-Total (I+II+III)</b>	<b>465.52</b>
<b>IV.*Contingency @3% over Sub Total I + II</b>		<b>11.40</b>
	<b>Total</b>	<b>476.92</b>

The contingency charges amounting to Rs.11.40 lac may be reimbursed against actual contingent expenditure on production of documentary evidence but would exclude expenditure on work charged establishment.

**Item No.14: Proposal for replacement of 2 existing semi permanent timber (SPT) bridges in Tripura on Kamalpur-Maracherra-Ambassa Road by RCC bridges, for sanction -**

- i. **Bridge over river Taijanticherra at Ch. 23.85 Km. &**
- ii. **Bridge over river Salemacherra at Ch. 24.45 Km.**

The Committee was informed that revised DPRs of the two bridges have been examined and accepted by the D/o RT & H with following conditions:

- i. State Chief Engineer may satisfy himself about adequacy of bearing capacity of soil at founding level. In case, actual bearing pressure exceeded the proposed SBC of soil, design has to be reviewed at the end of the State Chief Engineer
- ii. The State Chief Engineer may satisfy himself about structural safety and stability of proposed various components of the sub-structure, super structure for the bridges based on the detailed design prepared for approved GAD taking cognizance of the latest revision of various bridge codes and latest Ministry's guidelines. The working drawings good for the construction for each and every component of the bridges shall be approved by the State PWD Chief Engineer, at his end and form part of the tender document.
- iii. State Chief Engineer before actual execution of the work may approve the proposal at his end. Copy of the approved DPR may be forwarded to this Ministry for reference and record.

Although the D/o RT & H has considered the cost 'reasonable' but the Committee as per the policy deliberated to recommend sanctioning of the project after deducting the inadmissible items like Quality Control (1%), Anticipated Tender Premium (15%), Price Escalation (7.5%), WC Establishment (1½%), and Agency Charges (11%) as the State PWD would implement the project at total cost of Rs.427.77 lac. The items of work approved by the Committee are as under:

Sl. No.	Name of item	Amount (Rs. in lac)
I.	<b>Replacement of existing semi permanent timber bridge (SPT) - over river Taijanticherra at Ch. 23.85 Km. on Kamalpur-Maracherra-Ambassa Road by RCC bridge (span 50 m)</b>	
i.	Construction of Super structure	44.16
ii.	Construction of Sub structure	106.19
iii.	Construction of Approach Road	15.55
	<b>Sub total</b>	<b>165.90</b>
iv.	Add 22.5% for Cost Index over TSR - 2002 to update to 2005 level	37.33
v.	3% Contingencies	6.10
	<b>Total</b>	<b>209.33</b>
II.	<b>Replacement of existing semi permanent timber bridge (SPT) over river Salemacherra at Ch. 24.45 Km. on Kamalpur-Maracherra-Ambassa Road by RCC bridge (span 50 m)</b>	
i.	Construction of Super structure	44.16
ii.	Construction of Sub structure	107.30
iii.	Construction of Approach Road	21.67
	<b>Sub total</b>	<b>173.13</b>
iv.	Add 22.5% for Cost Index over TSR - 2002 to update to 2005 level	38.95
v.	3% Contingencies	6.36
	<b>Total</b>	<b>218.44</b>
	<b>Grand Total (I + II)</b>	<b>427.77</b>

The contingency charges amounting to Rs.12.46 lac may be reimbursed against actual contingent expenditure on production of documentary evidence but would exclude expenditure on work charged establishment.

**Item No.15: Proposal, 'Construction of Zohmun - Tingmun Road (10.36 km), in Mizoram' for deletion from the list of retained projects from the Priority List 2003-04.**

In view of the fact that the proposed road was already constructed by Rural Development Department of the State and is again already selected for construction under PMGSY, the Committee recommended for deletion of the proposal from the list of retained projects from the Priority List 2003-04 of Mizoram.