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Government of India
Ministry of Rural Development
Department of Rural Development
(RC Division)

Krishi Bhavan, New Delhi
Dated the 16th August, 2016

Sub: Minute of the Pre-Empowered Committee Meeting to discuss the project proposals of State Govt. of Bihar under PMGSY held on 10th August, 2016 (Wednesday) at 11.00 AM - reg.

A copy of the Minutes of the Empowered Committee Meeting held on **10th August, 2016 (Wednesday) at 11.00 AM under the Chairmanship of Joint Secretary (RC), in his Chamber, Krishi Bhavan, New Delhi** to discuss the project proposals of State Govt. of Bihar under PMGSY is forwarded herewith for information and necessary action.


(Bhim Prakash)

Under Secretary to the Government of India
Telephone No 011-23382406

Distribution:

- 1/ Shri Vinay Kumar, Secretary, RWD, Govt. of Bihar, Vishveshwaraiya Bhawan, Bailey Road, Patna-800015. - 78377/16
- 2/ Shri Sanjaya Kumar, Addl. Chief Executive Officer, RWD, Govt. of Bihar, Vishveshwaraiya Bhawan, Bailey Road, Patna-800015. - 78377/16-1

Copy for information to:-

PPS to JS(RC)/Director(RC-PR)/ all Directors, NRRDA, New Delhi.

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Minutes of the Meeting of Pre-Empowered Committee held on 10th August, 2016 at 11.00 AM for the proposals of the State of Bihar under Regular PMGSY, 2016-17 (Batch-I)

State: Bihar

A Meeting of the Pre-EC for PMGSY was held under the Chairmanship of Joint Secretary (RC) in his Chamber on **10th August, 2016 at 11.00 AM** to discuss the proposal from the State of Bihar for the new connectivity to eligible habitations under PMGSY, 2016-17 (Batch-I). The following were present in the meeting:-

| | |
|--|--|
| Shri Rajesh Bhushan | Joint Secretary(RC) & DG, NRRDA |
| Shri Priya Ranjan | Director (RC), MoRD |
| Shri Mahesh Hiremath | Director (P-I), NRRDA |
| Shri Uttam Kumar | Director (P-III), NRRDA |
| Shri R. Basavaraja | Director (P-II), NRRDA |
| Shri P. Mohansundaram | Jt. Dir.(Tech.), NRRDA |
| Shri Praveen Kumar | Asstt. Dir., NRRDA |
| State Govt Representatives from BRRDA | |
| Shri Vinay Kumar | Secretary, RWD, BRRDA |
| Shri Sanjaya Kumar | Joint Secretary-cum-ACEO, BRRDA |
| Shri K. N. Prasad | SQC, RWD, Bihar |

2. Proposal by the State

The proposals sent by the State were presented, as under:

Details of Current Proposals

| As per State's e-mail dated 10.08.2016 | | | | | As per OMMAS as on 10.08.2016 | | | |
|--|--------------------------|--|---------------------|----------------------|-------------------------------|---------------------------------------|---------------------|----------------------|
| Item | No of Roads | Length (in km) | Cost (Rs in Crores) | Avg. Cost/km (Lakhs) | Nos | Length (in km) | Cost (Rs in Crores) | Avg. Cost/km (Lakhs) |
| New Connectivity | 1333 | 2768.18 | 1690.63 | 61.07 | 1331 | 2761.73 | 1826.39 | 66.13 |
| New Connectivity-LWE | | | | | 2 | 6.45 | 4.32 | 66.98 |
| Up-gradation | 3 | 7.93 | 4.08 | 51.45 | 3 | 7.93 | 4.43 | 55.86 |
| Bridges | 57 | 4806.94 | 226.36 | 4.71 | 57 | 4806.94 m | 226.36 | 4.71 |
| Total | 1336 roads 57 bridges | 2776.11 Kms roads 4806.94 m bridges | 1921.07 | | 1336 roads 57 bridges | 2776.11 Km roads 4806.94 m bridges | 2061.50 | |

MoRD Share : Rs. 1184.36 Crores

State Share : Rs. 877.14 Crores

UG Target – 11,148.60 Km

Cleared – 6324 Kms

Category-wise benefitted Habitations

| Population | 1000+ | 500-900 | 250-499 | 100-249 | Total |
|---------------|------------|------------|------------|----------|-------------|
| Number | 475 | 898 | 662 | 2 | 2037 |

Dir (P-I) informed that the State has entered the proposal for 1336 no. of roads and 57 bridges measuring value of Rs.2061.50 crore on OMMAS as on 10.08.2016. Average cost trends of current batch is on higher side.

JS (RC) advised the State to construct at least one or two bridges with innovative design rather than the conventional slab Long Span Bridge (LSB). It was also decided that compliance of DPRs submitted by the state after the first scrutiny of NRRDA by the State will be examined on a sample basis, by NRRDA.

3. **Unconnected Habitations**

| Item | 1000+ | 500+ | 250+ | 100-250 | Total |
|---|-------|-------|------|---------|-------|
| Unconnected Habitations as on 1-4-2000 (reconciled by the State during July 2013) | 14242 | 18080 | 6109 | 859 | 39290 |
| Total number of Unconnected Habitations Entered on OMMAS (as on 01.04.2000) | 14247 | 18119 | 6142 | 2191 | 40699 |
| Covered under State Schemes (as reported by the State) | 1304 | 1745 | 745 | | 3794 |
| Net eligible unconnected habitations | 12938 | 16335 | 5364 | 859 | 35496 |
| Covered under PMGSY | 12938 | 11366 | 2880 | | 27184 |
| Balance unconnected habitations as per NRRDA record | 0 | 4969 | 2484 | 859 | 8312 |
| Habitations covered in current proposal | 475 | 898 | 662 | 2 | 2037 |
| Balance unconnected habitations | -475 | 4071 | 1822 | 857 | 6275 |
| Balance unconnected habitations as per OMMAS as on 10.08.2016 | 7285 | 9764 | 3087 | 1339 | 21475 |

- As per NRRDA's record, the state has a total 8,312 balance unconnected habitations which does not represent the ground reality. The state has informed that there are 3,794 habitations which have been connected under the different state schemes. During discussions it emerged that the actual number of such connected habitations may even be more than 3794. It was decided that the state would reconcile the habitations figures and upload the correct picture on OMMAS in one months' time.

- It was intimated that average cost per km for New connectivity in 2013-14 and 2016-17 is Rs. 65.29 lakhs/km and Rs. 66.13 lakhs/km respectively, which is very high. The State was advised by JS (RC) to explore the possibility of using new technology like Cement Stabilization, Fly-ash Stabilization as well as Zydex Nano – Technology, to bring down the average cost of construction.

4. **DPR Issues of the proposals of road-works:**

Director (P-I), NRRDA brought out the following DPRs issues before the pre-EC:

- Cost corrections to be carried out for 827 roads of length 1683.45 Kms and updated on OMMAS. Expected cost of 1336 roads after corrections as informed by the State is Rs. 1694.71 Cr.
- The data of unconnected habitations, habitations connected under State schemes and sanctioned habitations under PMGSY entered on OMMAS do not match with the data provided by the State. The reconciled details of habitations (2013) should be corrected on OMMAS within a month.
- The SoR for 2016-17 has not been vetted by NRRDA. SoR has been submitted by State on 09.08.2016 at NRRDA. NRRDA was directed to vet the SoR at the earliest.

- Joint Inspection report of STA/CE/SE for each bridge site as per format prescribed by NRRDA has not been provided for all bridges.
- In a majority of the DPRs, CBRs reported are of the order of 4.10 to 4.80, which can be easily improved to CBR of 5 by using heavy compactors, which will bring down the cost and will be as per the requirement of IRC SP:72-2015.
- 5% of cost of materials has been included as Sales Tax. As per MORD Standard Data Book for Analysis of Rates for Rural Roads, the basic rates should include all octroi charges, toll tax, sale tax, VAT, municipal taxes and other local taxes etc. To be amended by the State in all DPRs.
- The materials cost for proposed pavement is very high due to lead of 200-400km. As per “Measures for achieving economy in construction of Rural Roads”, if the lead distance exceeds 50 km, provision of use of local marginal materials as well as new techniques such as cement stabilization may be proposed to achieve economy in construction.
- State has proposed 2 roads with 100-249 population in LWE affected blocks. For 100-249 category habitations, roads are to be constructed in two stages as per OM No. P-17017/5/2011-RC (Part) dated 09.04.2014. However, the State has proposed up to BT standards. Necessary amendments to be made by the state.
- Sikta block of West Champaran and Siswan Block of Siwan district are not eligible for 100-249 population (LWE) as Ministry OM dated 09.04.2014. The New Connectivity road proposed in these blocks with population 100-249 are not eligible under PMGSY and needs to be dropped.
- Average cost per Km for NC works is on higher side when compared to previous sanction in Khagaria, Araria, Jamui, Bhagulpur and Banka districts.
- Average cost of 30 road works are more than 90 Lakhs/Km in 7 districts. These DPRs needs to be scrutinised by the State/NRRDA.
- Two layers of WBM, each of 75mm thickness are proposed for T3 category traffic which otherwise require one layer of WBM III of 75 mm thickness and an equivalent increase in remaining thickness of GSB as per SP:72-2015. G-II layer needs to be deleted.
- As per New technology initiative guidelines, 15% of the total length of proposed roads should be (10% of roads with IRC specifications available and 5% of roads in IRC accredited technology) under new technology. So far only 109.34 Km only uploaded on OMMAS which is 3.94% of total proposal of 2,776.11 Km. Needs to be increased as per Guidelines.
- Total cost for 2 roads in Rafiganj block of Aurangabad district entered on OMMAS as Rs. 6.06 and Rs. 7.86 Lakhs against Rs. 76.50 lakhs and Rs. 55.51 Lakhs as per proforma C. Needs to be corrected on OMMAS.
- Earthwork quantities estimated in DPRs are on higher side. Embankment of 0.60 to 0.80 m has been provided even for existing road. The L section drawing indicate wide gap in existing and proposed profile. The Earthwork quantities need to be rationalised.
- Average provision for CC pavement is very high. Districts which have proposed CC roads of more than 15% of total proposed length should be verified and lengths not needed should be reduced accordingly. The State needs to provide additional share as per Ministry’s advisory. In case the state wishes to construct 607.39 kms of CC road, it may be converted to cell filled concrete or panelled CC pavement for economy in construction.
- As per Amendment No. 1/2009-10 issued in the file no. P-17012/7/2005/P-III dated 21.05.2009, the quantity of Well graded granular sub-base material should be taken as 360 Cum. However, the State has proposed 384 Cum. It needs to be modified, in analysis of rates and accordingly in DPR.
- Zila Panchayat resolution has not been obtained for proposed road works in most of the districts. Approval of Zila panchayat needs to be obtained and updated on OMMAS as per PMGSY guidelines.

- CD works are proposed without justification. The damaged CDs are proposed to be replaced with new CDs without ample justification and photographs. Moreover, different number and type of CDs are indicated at different pages of the DPRs. Also the quantities of materials for CD works are wrongly calculated such as in District – Munger. The state should rectify the anomalies before EC meeting.
- The expert committee report on economy in rural road construction suggests construction of splayed wing walls instead of straight headwalls in case of CD Works and boulder pitching with filter. This should be adopted to achieve the economy in cost.
- The quantity adopted for Tractor mounted grader arrangement for WBM layer is not as per MoRD data book. Needs to be corrected.
- Hard shoulders proposed in DPRs to be changed to earthen shoulder or difference in cost should borne by the State.
- Unsealed surface has been proposed and entered on OMMAS for 5 roads. However, as per Proforma C uploaded on OMMAS, BT has been proposed. The surface condition of these roads to be rectified.
- Proforma C has not been uploaded for 34 works.
- Images have not been uploaded on OMMAS for 61 works

The State was advised to reconcile the details of habitations on OMMAS at the earliest. In respect of joint inspection report, the Chairperson advised the State to conduct the joint inspection by a team of Chief Engineer(CE) & concerned Superintendent Engineer (SE). Independent STA verification is needed in respect of T3 traffic and sub-grade CBR of 5 to 6 and above as per guidelines.

4. **Maintenance issues**

The State Government informed that an amount of Rs. 383.20 Crore has been credited as State Matching Share as on date.

5. **R & D Proposal and R&D Technology:**

JS (RC) advised the State to use CRRI- Bitchem Cold Mix Technology on a large scale. The State suggested its use in two districts i.e. Purnia and Katihar. The state was advised to propose Cement Stabilization instead of Mechanical Stabilization for 356 roads of length 925.43 km.

6. **Maintenance-Financial:**

It was pointed out that the release of maintenance fund as per the Contracts by the State Government in the account of SRRDA and its utilization by SRRDA is unsatisfactory.

7. **Quality issues:**

It was pointed out that NQM to be deputed from NRRDA to Bihar from August onwards should be allocated specific roads of the contractors whose works have not been inspected by NQMs till date. It was also pointed out that the 190 no. of works have not been inspected even once by SQM. The State was advised to upload the details of field labs along with photos on OMMAS. JS (RC) advised the State to increase the number of SQMs.

8. Financial issues- Finance & Account for F.Y 2014-15:

The following issues in respect of Finance & Account for F.Y 2014-15 were pointed out for compliance: -

| S. N. | Observation | Amount (Rs. in Cr) | | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|--------------------|--------------------|---------|----|---------|----|---------|---|---------|---|---------|----|---------|-----|---------|-----|---------|-----|---------|------|--------------|-------------|--|
| a. | Non-investment of Funds in Fixed Deposits (interest not credited) as on March 2015 | 44.61 | | | | | | | | | | | | | | | | | | | | | | |
| b. | Outstanding Advances (BG status and Age-wise break up not furnished) | 62.10 | | | | | | | | | | | | | | | | | | | | | | |
| c. | Unpaid Statutory deductions | 18.20 | | | | | | | | | | | | | | | | | | | | | | |
| d. | Amount payable to State Govt. | 80.00 | | | | | | | | | | | | | | | | | | | | | | |
| e. | Operation of separate bank account for tender premium | | | | | | | | | | | | | | | | | | | | | | | |
| f. | State is not following the E-payment System through R&P Module OMMAS. | | | | | | | | | | | | | | | | | | | | | | | |
| g. | Implementation of OMMAS (R&P) Module Month for which entries has been completed in OMMAS (R&P Module) Programme Fund and Admin Fund : June 2016 (unreconciled Programme Fund Rs. 34.12 Cr) Maintenance Fund:- March 2011 | | | | | | | | | | | | | | | | | | | | | | | |
| h. | Pending Financial completion of Works status as on 09.08.2016 Pendency Percentage: 35.21% (Out of total 8557 physically completed works) <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Year</th> <th>Pending final bill</th> </tr> </thead> <tbody> <tr> <td>2000-01</td> <td>55</td> </tr> <tr> <td>2001-02</td> <td>95</td> </tr> <tr> <td>2002-03</td> <td>4</td> </tr> <tr> <td>2003-04</td> <td>1</td> </tr> <tr> <td>2007-08</td> <td>42</td> </tr> <tr> <td>2008-09</td> <td>606</td> </tr> <tr> <td>2011-12</td> <td>235</td> </tr> <tr> <td>2012-13</td> <td>384</td> </tr> <tr> <td>2013-14</td> <td>1591</td> </tr> <tr> <td>Total</td> <td>3013</td> </tr> </tbody> </table> | Year | Pending final bill | 2000-01 | 55 | 2001-02 | 95 | 2002-03 | 4 | 2003-04 | 1 | 2007-08 | 42 | 2008-09 | 606 | 2011-12 | 235 | 2012-13 | 384 | 2013-14 | 1591 | Total | 3013 | |
| Year | Pending final bill | | | | | | | | | | | | | | | | | | | | | | | |
| 2000-01 | 55 | | | | | | | | | | | | | | | | | | | | | | | |
| 2001-02 | 95 | | | | | | | | | | | | | | | | | | | | | | | |
| 2002-03 | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| 2003-04 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 2007-08 | 42 | | | | | | | | | | | | | | | | | | | | | | | |
| 2008-09 | 606 | | | | | | | | | | | | | | | | | | | | | | | |
| 2011-12 | 235 | | | | | | | | | | | | | | | | | | | | | | | |
| 2012-13 | 384 | | | | | | | | | | | | | | | | | | | | | | | |
| 2013-14 | 1591 | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 3013 | | | | | | | | | | | | | | | | | | | | | | | |

- The state officials were advised to clarify the non-investment of funds to the tune of 44.61 Cr.
- Total pending final bills are 3013 in respect of roads which are physically complete.
- The State was advised to start E-payment system through R&P module OMMAS.
- State was also advised to reconcile Programme Fund of Rs. 34.12 Crore at the earliest.

9. Recommendation of the Committee

The Committee after due deliberations advised the State to complete the following conditions before Pre-EC meeting scheduled between 13th- 17th September, 2016:

- (a) The State will comply with all the technical observations in DPRs mentioned at Para 4 above.
- (b) The State will send the PIU-wise workload staff available with them.
- (c) The State will send month-wise completion plan for the ongoing works.
- (d) The State will send the SQM inspection programme for the works in hand and its plan to institutionalise the second tier quality monitoring in selected districts.
- (e) The State will send the sample DPRs for the R&D proposals to NRRDA.
- (f) The State will submit ATR on financial and accounting issues.

(The meeting ended with a note of thanks to the Chair)