



**AGENDA FOR THE 16<sup>TH</sup> MEETING**

**OF THE**

**EXECUTIVE COMMITTEE**

**OF**

**NATIONAL RURAL ROADS DEVELOPMENT AGENCY**

**3<sup>RD</sup> OCTOBER, 2008 AT 03:30 PM**

**AT**

**NRRDA, BHICAJI CAMA PLACE  
NEW DELHI**

**NATIONAL RURAL ROADS DEVELOPMENT AGENCY  
MINISTRY OF RURAL DEVELOPMENT  
GOVERNMENT OF INDIA**

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**National Rural Roads Development Agency**  
**Ministry of Rural Development, Government of India**

**Agenda for the 16<sup>th</sup> Meeting of the Executive Committee on 1<sup>st</sup> October, 2008**

**Item No. 1. Confirmation of the proceedings of the 15<sup>th</sup> meeting of the Executive Committee.**

The proceedings of previous meeting held on 8<sup>th</sup> July 2008 , are placed as **Appendix I.**

The Executive Committee may confirm the proceedings of previous meeting.

**Item No. 2 Approval of the Annual Report 2007-08**

The Annual report for the year 2007-08 has been prepared and is placed at **Appendix II.** As per rule 21 © (iii) The Executive Committee should ‘prepare annual report and accounts of the society for the consideration of the General Body.’ Accordingly, the Annual report is placed before the Executive Committee for approval.

**Item No. 3 Approval of Revised Budget Estimates 2008-09**

The Budget Estimates for 2008-09 had been approved by the General body in its 9<sup>th</sup> Meeting. The General Body had been informed that no provision for the likely increase on account of pay commission recommendations and the maintenance costs of OMMAS had been made. The GB had advised that the revised estimates should be projected at the time of the first supplementary. Accordingly, the revised estimates have been prepared taking into account the actual expenditure upto August 2008, the commitments upto March 09 and any other projected increase. The revised estimates are placed at **Appendix III** . The reasons for increase have been given in the margin of the statement. No additional funds have been requested under the grant from MoRD but separate release is required from MoRD for payment of ADB consultancies and World Bank capacity building. Till date no funds have been released by the Ministry for ADB related expenditure. The funds for World bank will be required only if the training programme is approved by World Bank and DEA

Executive Committee is requested to approve the same for submission to the General Body

**Item No 4 Revision in limit of House Rent Allowance for officers on deputation/contract**

In the last meeting of the Executive Committee, it was decided to put up the proposal for raising the limit of HRA for the approval of the General Body. In the meantime, the recommendations of the 6<sup>th</sup> Pay Commission were accepted by the Government of India. As the NRRDA ( Regulation of pay and allowances) Byelaws 2004, “*the persons joining the agency on deputation will retain the scale of pay actually being drawn in their parent organizations. They will also earn the annual increments in the normal course.*” The pay

commission recommendations have been accepted by the various departments of Govt of India. The salary of the officers on deputation from G.O.I are being refixed by the respective depts and NRRDA will pay the salary and allowances accordingly. However, in NRRDA, officers from the State Governments and Engineering Colleges are also on deputation. The respective authorities will take sometime to implement the recommendations. Therefore, as an interim measure it is proposed that the pay of the officers is notionally fixed in the corresponding scale to calculate the HRA admissible. The revised HRA rates are placed at **Appendix IV**. The HRA so worked out will be the limit. HRA will be paid as per actuals on the submission of rent receipt.

**Item No 5** Executive Committee is requested to approve the above proposal  
**Revision of rates of Children Education Allowance**

The Government of India has revised the rates of the Children Education Assistance on the basis of the recommendation of the 6<sup>th</sup> pay commission. (**Appendix V**) The current rules in NRRDA were based on the earlier education assistance rules. It is proposed that the Government of India's rules may be adopted for officers on deputation in NRRDA also with effect from 1<sup>st</sup> September 2008.

**Item No 6** Executive Committee is requested to approve the above proposal  
**Closure of Contract of Project Management Consultant (PMC)**

- A Contract for Project Management Consultancy was executed on 29<sup>th</sup> April 2005 between NRRDA and M/s. Louis Berger Group, Inc for ADB assisted projects under Loan No. 2018-IND in Madhya Pradesh and Chattisgarh. The duration of Contract was upto 15<sup>th</sup> June 2009. The activities of Project Management Assistance, Project Performance Monitoring, Capacity Building, Road Maintenance Planning and Management were proposed to be performed by PMC. PMC could not do much on Road Maintenance Planning due to non-availability of suitable Road Maintenance Expert. Project Performance Monitoring was carried out by NRRDA themselves and other tasks of PMC were either complete or not required. Therefore, it was proposed to close the PMC Contract by mutually agreed terms and conditions. The Contract value was about Rs. 16.00 Crore against which Rs. 5.50 Crore expenditure has been made and Rs. 66.00 lakh liabilities are to be cleared.
- As per rule 21 © (xiii) the Executive Committee is authorized to enter for and on behalf of the Agency, into agreements.
- Executive Committee is requested to approve the closure of the agreement

**Item No 7** **Revision of Scope of Technical Support Consultant (TSC):**

- A Contract for Technical Support Consultancy was executed between NRRDA and M/s. Operations Research Group, New Delhi on 9<sup>th</sup> April 2007 for preparation and implementation of sub-projects under ADB Batch I and Batch II in Assam, Orissa and West Bengal states. The contract amount was Rs. 1.57 Crore and an expenditure of Rs. 60.00 lakhs has been made upto August, 08. The Consultant has completed the scope of work except implementation of Batch II. The time period of consultancy was 24 months. Looking into the satisfactory performance of consultant and the advice of ADB, it was proposed to extend the scope of TSC on

the same terms and conditions and costs to include Batch III of Assam, Orissa and West Bengal and inclusion of one additional batch each in Madhya Pradesh and Chattisgarh. Balance task of socio-economic impact assessment of MP and Chattisgarh of RRSIP is also to be included in revised scope. The Consultant Selection Committee (CSC) has approved the proposal and supplementary agreement is being drawn with TSC for the same time period and cost for the revised scope.

Submitted for the approval of the Executive Committee.

**Item No 8 Rural Roads Sector III Investment Program (RRSIIP):**

- ADB has proposed Rural Roads Sector III Investment Program for the five ADB assisted States i.e. Madhya Pradesh, Chattisgarh, Assam, Orissa and West Bengal for about US\$ 650 mn. ADB is doing Project Preparatory Technical Assistance (PPTA) for assessment on requirements of loan. The Project is expected to commence in 2010.

For information of the Executive Committee

**Item No 9 Appointment of consultants for maintenance audit**

In the 15<sup>th</sup> meeting of the Executive Committee held on 8<sup>th</sup> July, 2008 the appointment of consultant for Group IV was ratified by the Executive Committee. Subsequently, appointment of consultants for group I,II and III has also been made with the approval of the Director General under Rule 23 (g) the details are as below:-

Group I : Crafts consultant (I) Pvt Ltd- Rs 19,94,390 for Assam, Mizoram, Meghalaya and Orissa.

Group II- LION Engineering Consultants- Rs 13,17,983 for Chhattisgarh, Jharkhand, Madhya Pradesh and West Bengal.

Group III- MSV International Inc- Rs 15,58,433 for Haryana, Rajasthan and Uttar Pradesh.

The above selection has been recommended by a Committee set up for the purpose. The Committee adopted the least cost selection method. The offers were made to the short listed EOI's and financial bids were called from the short listed offers.

The Executive Committee is requested to ratify the above appointments.

**Item No 10 Review of first, second and third tier of quality monitoring**

- (a). The information about performance of first and second tier of QM of first quarter of 2008-09 (April 08 - July 08) is given in **Appendix-VI and VII**.
- (b). The statement showing the quality grading by NQMs and action taken reports for a period from July, 04 to December, 06 and January, 07 to July, 08 is given at **Appendix VIII**

**Item no 11 Empanelment and Performance Evaluation of NQMs**

Under the third tier of Quality Mechanism, 81 NQMs are empanelled. The quality grading by National Quality Monitors and Action Taken Reports are being regularly monitored in NRRDA. The process of performance evaluation and selection of NQMs is also continuing.

**A. Empanelment of new NQMs:**

It was felt that open advertisement for empanelment of NQMs would help in getting more retired officers for quality monitoring under the third tier. Accordingly, NRRDA decided to issue an advertisement in addition to the candidates recommended by the State Government in routine. Accordingly, the advertisement was issued on 24<sup>th</sup> February, 2008 in national dailies through DAVP and also post the same on website of the programme at [www.pmgysy.nic.in](http://www.pmgysy.nic.in). Copy of the said advertisement is placed as **Appendix-IX** The last date for submission of applications was 24<sup>th</sup> March, 2008. The selection of new NQMs was processed by the Selection Committee of NQMs. The fifth meeting of the Selection Committee for empanelment and performance evaluation of National Quality Monitors was held on 31st July, 2008.

- (a). The details of selection of new NQMs in response to the advertisement are as under:

In response to the advertisement, 69 applications were received till 24<sup>th</sup> March, 2008. Six more applications were received after last date of submission for applications. These applications were examined in NRRDA through the Internal Committee of Assistant Directors and coded details submitted before Selection Committee. The coded CVs of 69 retired officers were examined on the basis of the selection criteria (**Appendix X**). 22 retired officers were recommended for empanelment and in respect of 47 retired officers, experience in road sector was found inadequate. The details are given at **Appendix -XI**. The committee decided that all the 6 applications received after due date i.e. 24<sup>th</sup> March, 2008 need not be considered. The details are given at **Appendix - XII**.

- (b). In addition to above, the Selection Committee also considered empanelment of new NQMs on the basis of routine cases of recommendations from the State Governments. In the meeting of Screening Committee held on 12<sup>th</sup> January, 2008, a total of 8 cases of

this category were considered.

In one case it was observed that one officer had not submitted adequate details of his CV and it was decided that more information may be obtained. The additional information was examined but the officer was not recommended for want of requisite experience in road sector.

The remaining cases of 7 candidates which were forwarded by the State Governments/ Central Organizations were considered by the Selection Committee and the empanelment of 5 officers was recommended. Out of these 5 cases, 2 cases were recommended for empanelment, however, 3 cases were recommended for empanelment subject to recommendation from competent authority of the State Government (in these cases, CE/ E-in-C have recommended the names). On the basis of recommendations of the CE/ E-in-C, these 3 candidates have also been empanelled with the approval of DG, NRRDA. Details are at **Appendix-XIII**.

- (c). The selection criteria no. 6 stipulates that the candidate whose name has not been recommended by State or Central Government/ Organization shall be considered on the condition that his last employer certifies that the integrity of the candidate is not questionable.

In cases of response to open advertisement, the Committee recommended 9 cases for empanelment subject to production of self declaration regarding criminal/ vigilance cases by the individual and integrity certificate from the last employer. In 13 cases, Committee recommended empanelment subject to integrity certificate from the last employer. In all cases, the last employers have been sent the letter for issuance of integrity certificate.

Out of the 22 and the 3 cases as given above,, recommended by the Selection Committee the following position was found in respect of selection criteria no. 6.

- In 3 cases, the recommendations from the officers of Engineer-in-Chief/Chief Engineer levels as well as copies of pension pay order were received.
- In 18 cases, self declarations as well as copies of pension pay order were received.
- In one case, proceedings in court were found pending and in 3 cases requisite clearance/documents are still awaited ,therefore empanelment has not been made.

Since the pension pay orders are issued by the State Governments



after verification of integrity of the government servant, therefore; with the approval of DG, NRRDA, above 21 candidates have been empanelled as NQMs. The names of 2 candidates recommended by the Committee as per (b) above have also been empanelled. Thus, total 23 candidates have been empanelled as NQMs.

### **B. Performance Review of Existing NQMs:**

The selection Committee in its 5<sup>th</sup> meeting dated 31<sup>st</sup> July, 2008 also considered the cases of performance evaluation carried out by Performance Evaluation Committee. The Committee recommended the following:

- (a). Five NQMs, S/Shri G. Someswara Rao, V. K. Khurana, N. P. Vyas, Sudesh Dhiman and S. R. Metha have been recommended for discontinuation because they have not conducted inspection for more than 3 months in a year without any intimation to NRRDA.
- (b). The performance of 6 NQMs who were rated 'Marginal' in earlier evaluation was examined. The Committee recommended that the following NQMs who have secured more than 60% marks may be continued.

#	Name (Sarv Shri)	State	% of Marks in Previous Performance Review	% Marks Obtained in Present Review
1	J. R. Dagla	Rajasthan	58%	73.70%
2	Sudesh Dhiman	Delhi	57%	72.70%
3	D. K. Kaushal	H.P	50%	73.04%
4	J. S. Roodkee	H.P.	56%	83.60%
5	R. K. Manjhi	Bihar	57%	85.37%
6	N. L. Shivhare	MP/CG	52%	79.09%

- (c). Performance Review of NQMs who conducted more than 40 inspections during August, 07 to January, 08 was considered by the committee as per **Appendix -XIV**. The committee recommended that The NQMs who have secured 75% and above marks may be rated as 'Outstanding', NQMs having marks between 61-74% may be rated as 'Satisfactory', NQMs having marks between 50 – 60% may be rated as 'Marginal' and NQMs having less than 50% marks may be rated as 'Unsatisfactory'. In light of the above, 21 NQMs are rated as 'Outstanding', 6 as 'Satisfactory' and 2 as 'Marginal'.

- (d). Performance Review of NQMs who graded the works only 'Satisfactory' during their inspections was considered by the Committee as per **Appendix-XV**. The committee recommended 2 as 'Outstanding' and one as 'Marginal'.
- (e). Performance Review of NQMs on Special Cases as per **Appendix -XVI**: Based on complaints of poor quality of some works, committees of NQMs were deputed for investigation. Quality of many of these works was found "Unsatisfactory" by the enquiry teams. On examination it was found that the same works were rated as 'Satisfactory' by some other NQMs in the past inspections. In addition, it was observed that 3 NQMs have apparently not carried out inspections as per provisions of the Guidelines. It was therefore, decided that such inspection reports of individual NQMs may be subject to scrutiny by the Performance Evaluation Committee as special cases. The special cases were considered by the Committee. The Committee felt that before taking a final decision, more details may be furnished which will be discussed during the next meeting of the Committee.

Submitted for the approval and information of the Executive Committee

**Item No 12 State Quality Audit**

A proposal of taking up State Quality Audit under PMGSY is under consideration. As reported earlier, a preliminary concept note was prepared on the subject and circulated to all the States. 16 States have responded to the concept of State Quality Audit. A copy of the concept note is at **Appendix - XVII** and abstract of response from the States is at **Appendix – XVIII**

**Item No 13 Review of progress of pilot project on citizen monitoring of rural roads**

With a view of exploring the possibility of involvement of citizens in the monitoring of rural roads under PMGSY, a pilot project was undertaken by PAC, a reputed Civil Society based in Bangalore, Karnataka. Initially it was envisaged that the project should cover, inter-alia, the following:-

- (a). Quality monitoring of PMGSY roads through citizen monitors.
- (b). Training of citizen monitors including PRIs,
- (c). Designing of a test kit for use by the citizen monitors,
- (d). Preparation of manual for the citizen monitors; and
- (e). Documentation of the process.

However, PAC faced some practical problems viz., non-availability of adequate information on progress of roads, difficulties in planning, monitoring

visits due to unpredictable field operations, and practical problems in involving community volunteers. The original presumption that rural citizens could be persuaded to monitor the quality and conduct tests in a neutral fashion could not be supported by field experience and local disputes and antagonism has been found to surface during the monitoring activity. As a result of these problems, the project could not deliver the desired results. The matter was discussed in detail with the PAC officers and it was decided to abandon the Phase-I of the project and start Phase-II for further activities.

Under Phase II, PAC will anchor sample audit exercise in Karnataka and Orissa with the involvement of local NGOs who have already expressed interest in the work. The feed back of citizen monitoring and social audit will be used for two basic purposes; the first purpose would be to take timely action for redressal of issues including quality and second would be to use the data for better implementation in future. The PAC will also add the following to the scope of project under Phase-II:-

“Formulation of appropriate methodology for social audit of PMGSY project involving Panchayati Raj Institutions (PRIs) and Civil Society Organization”.

Both the phases of the project will be taken up within the original allocated budgetary provision of Rs. 13.95 lakhs.

For information of the Executive Committee.

**Item No. 14 Any other item with the permission of the chair.**

**No. 20011/1/2004-F&A**  
**National Rural Roads Development Agency**  
**Ministry of Rural Development, Government of India**  
**5<sup>th</sup> Floor, NBCC Tower, Bhikaji Cama Place, New Delhi-66**

**Minutes of the 15<sup>th</sup> Meeting of the Executive Committee of the National Rural Roads Development Agency**

The 15<sup>th</sup> meeting of the Executive Committee was held on 8<sup>th</sup> July, 2008 in the Conference Hall, NRRDA, 5<sup>th</sup> Floor, 15 NBCC Tower, Bhikaji Cama Place, New Delhi-110 066. The meeting was Chaired by Shri J.K. Mohapatra, Director General, NRRDA. The following members were present in the meeting:-

1. Dr. Praveen Kumar, Professor, Transportation Engineering Section, Department of Civil Engineering, IIT, Roorkee.
2. Dr. S.L. Dhingra, Professor, Department of Civil Engineering, Indian Institute of Technology, Powai.
3. Dr. Ashok Kumar Sarkar, Dean, Faculty Div-I, Department of Civil Engineering, Birla Institute of Technology & Science.
4. Shri V.J. Menon, Director (Finance) Ministry of Rural Development, Krishi Bhawan, New Delhi.
5. Dr. B.P. Chandrasekhar, Director (Technical), NRRDA, New Delhi.
6. Smt. Gargi Kaul, Director (F&A), NRRDA, New Delhi.

**Special Invitee**

Shri Sanjay Kumar, Rakesh, Director(SR), Ministry of Rural Development, Krishi Bhavan, New Delhi.

The following officers from NRRDA were also present:

1. Shri H.K. Srivastava, Director (Projects-I), NRRDA, New Delhi.
2. Shri A.D. Kapaley, Director (Projects-II), NRRDA, New Delhi.
3. Shri Prabha Kant Katare, Director (Projects-III), NRRDA, New Delhi.

The meeting started with the Director General welcoming the members of the Executive Committee and the new member Shri Sanjay Kumar Rakesh. The Director General informed the Committee that the meeting for the previous quarter could not be held due to his busy schedule. However, all efforts would be made to hold a meeting every quarter. He informed the Committee that the major issue for the current meeting was the approval of the accounts for the year 2007-08 and the appointment of the Auditors.

The proceedings of the meeting were as follows:-

**Item No.1: Confirmation of the proceedings of the 14<sup>th</sup> meeting of the Executive Committee held on 18<sup>th</sup> February, 2008.**

The Executive Committee confirmed the proceedings of the previous meeting.

**Item No. 2 : Approval of the accounts for the year 2007-08.**

The unaudited accounts for the year 2007-08 were examined by the Committee. Director(Finance), MoRD wanted to know the reasons for increase in expenditure under 'Other Office Expenses' as compared to previous year. Director (RD), Shri Sanjay Kumar Rakesh felt that separate accounts need not be kept for different source of fundings (World Bank/NABARD). Director (Finance), Shri V.J. Menon felt that a separate account will have to be prepared for NABARD loan giving the details of the disbursements to States.

Director(F&A), NRRDA explained that the increase under Office Expenses was on account of payment for renovation of 'UNNATI'. Regarding the preparation of separate accounts it was explained that a single Balance Sheet is prepared for all sources of funds. Only Receipt & Payment & Income Expenditure Accounts show the different sources of expenditure therein.

Regarding NABARD, it was clarified that no separate balance sheet will be required. Only separate reflection in the same account. This was provided for in the agreement. The State-wise disbursements are available and submitted to MoRD/NABARD regularly.

Director General desired that when accounts are put up to the General Body a detailed note on the excess/savings should be given. Executive Committee approved the accounts for the year 2007-08.

**Item No. 3 : Appointment of Statutory Auditors.**

The case of appointment of Statutory Auditors for the audit of the accounts for the year 2007-08 was placed before the Executive Committee. Director (Finance), MoRD observed that as the budget and expenditure of NRRDA had risen substantially on account of the NABARD loan, CAG should be requested to do the statutory audit. It was explained that CAG does not carry out the audit of the balance sheets of autonomous bodies unless so provided in the Act, with the concurrence/approval of CAG. Thus the accounts of NRRDA have to be audited by a Chartered Accountant. CAG has full authority to conduct supplementary/performance audit.

Director (MoRD), Shri Sanjay Kumar Rakesh expressed reservations on the statement in the Agenda “As per tradition..... Rules”. After discussions, it was agreed that the appointment of auditors, though not clearly mentioned in the Rules, shall require the approval of the Executive Committee as the auditors report to the Executive Committee/General Body and not to the Management. The Executive Committee approved the appointment of M/s, Sandeep Ramnivas Gupta & Company as auditors for the year 2007-08.

**Item No.4 : Revision in lieu of House Rent Allowance for officers on deputation/contract.**

The issue was discussed and it was brought to the notice of the Executive Committee that at present the affected officers are 2 Directors and one Deputy Director. The total financial implication on the basis of the current status would be Rs. 8,000/- per month.

The Executive Committee approved the proposal in principle and advised to put up the same to the General Body as it involved amendment of the bye-laws.

**Item No. 5 : Annual Work Plan 2008-09.**

The Annual Work Plan for NRRDA for the year 2008-09 was reviewed by the Executive Committee. Director (P-III) requested to addition of one item “Revision & Review of BOS/SDB” to the Action Plan. It was also suggested during the discussions that the PTA’s should review on a sample basis DPR’s with very high costs. For the STA’s to perform well, the PTA’s would have to play a proactive role and check the performance of the STAs.

Director General desired that a format should be designed for collecting a feedback on IRC SP 72 from all functionaries. The Executive Committee approved the Annual Work Plan 2008-09.

**Item No. 6 : First & Second Tier of Quality Mechanism**

Director (P-III), Shri Prabha Kant Katare briefed the Executive Committee about the status of the First & Second Tier Quality Monitoring in the States and about the proposal of State Quality Audit to be undertaken.

**Item No. 7 : Third Tier of Quality Mechanism – Performance Evaluation of National Quality Monitors.**

Director (P-III) briefed the Executive Committee about the Quality grading of works by NQM's. The status of quality of works in the States was reviewed by the Executive Committee. The Director General informed the Executive Committee that it has been decided that wherever the unsatisfactory works in States were over 20% the States would be informed and their performance will be reviewed for six months and if there was no improvement, further release of funds would be stopped.

**Item No. 8 : Standard Bidding Document**

Director (P-III) briefed the Executive Committee about the amendment carried out in the SBD to increase the liquidity of the contractors, which in turn, it was felt would help in enhancing the pool of eligible contractors and thereby contracting capacity.

**Item No., 9 : Performance during 2007-08 under Outcome Budget.**

Director (P-I) briefed the Executive Committee about the performance of the States with respect to the targets set under the Outcome Budget for 2007-08.



**Item No. 10 : Rating of Performance of States.**

Director (P-I) explained the criteria on which the States performance was rated. The overall ratings of the States were reviewed by the Executive Committee.

**Item No. 11 : Performance under Bharat Nirman (200708)**

The Executive Committee reviewed the overall performance under Bharat Nirman with reference to the targets for 2007-08.

**Item No. 12 : Targets for 2008-09**

The targets for 2008-09 under PMGSY/Bharat Nirman were placed before the Executive Committee for information.

**Item No. 13 : Maintenance Audit**

Director (P-I) briefed the Executive Committee about the status of award of the contract for maintenance audit of work completed in the earlier phases. Executive Committee ractified the appointment of M/s. TUV SUD South Asia for Group-4.

**Item No. 14 : ADB**

Director (P-II) apprised the Executive Committee about the status of the works, release of funds etc. under the Rural Roads Project I & II of ADB.

The meeting ended with the vote of thanks to the Chair

# ANNUAL REPORT

(2007 - 2008)

## 1.0 INTRODUCTION

1.1 The primary functions of transportation include mobility, connectivity and accessibility. Road transport in general and rural transport in particular provides door to door service, thus ensures accessibility to nooks and corners of the country. It has been realized that the absence of All Weather Roads connectivity is a major impediment in the development of rural areas, since lack of access results in isolation and remoteness of rural masses and thereby depriving them of opportunities of employment, health care and education. Over and above, lack of connectivity increases the vulnerability of such communities during episodes of natural disaster. Government of India, having realized that providing rural accessibility serves as a means for poverty alleviation, launched Pradhan Mantri Gram Sadak Yojana (PMGSY) as a fully funded centrally sponsored plan on 25<sup>th</sup> December, 2000, with the primary objective of providing All Weather Road Connectivity to all habitations of 500 and above population in plains and 250 and above population in hill states, desert and tribal areas. Upgradation of selected major rural roads is also envisaged in this programme for ensuring *full farm to market connectivity*.

1.2 At the time of launching of PMGSY nearly 40% of habitations were not connected by All Weather Roads. Having gone through a systematic preparation of District Rural Roads Plan (DRRP) and identifying the Core Network, that ensures single All Weather Connectivity to all the eligible habitations, 167 lakhs habitations are targeted for New Connectivity with an estimated road length of 3.66 lakh km. Simultaneously, a length of about 3.73 lakh km of existing roads are proposed for upgradation. The total investment under the scheme has been estimated at about 1.32 Lakh Crores (2003-04 prices).

1.3 Government of India has announced a time bound business plan - Bharat Nirman with a view to augmenting rural infrastructure. It has six components including rural connectivity. Under Bharat Nirman, it is targeted to provide all weather connectivity to all habitations having population of 1000 or more (500 and more in hill States, tribal and desert areas) by 2009. It is estimated that under Bharat Nirman 59564 habitations would be provided new connectivity with road length of 1.46 lakh kms. Besides, 1.94 lakh kms. of existing through routes would be upgraded/renewed. The total investment during 2005-09 on rural connectivity under Bharat Nirman has been estimated at Rs.48,000 crore.

1.4 The National Rural Roads Agency (NRRDA) was established on 14<sup>th</sup> January, 2002 under the Societies Registration Act – XXI of 1860 to extend support to the programme through advice on technical specifications, project appraisal, quality monitoring and management of monitoring systems. The agency has been conceived as a compact, professional and multi-disciplinary body to provide requisite technical and management support to the Ministry of Rural Development and to the State Governments for effective implementation of the programme.

## 2.0 OBJECTIVES OF NRRDA

The National Rural Roads Development Agency was set up primarily with the following objectives:

- (i) To discuss with different Technical Agencies and arrive at appropriate Designs and Specifications of Rural Roads and, thereafter, to assist the Ministry of Rural Development in prescribing the Designs and Specifications of Rural Roads, including Bridges and Culverts.
- (ii) To determine the tasks to be performed by the Principal Technical Agencies and State Technical Agencies.
- (iii) To appoint reputed Technical Institutions as Principal Technical Agencies and State Technical Agencies to perform the tasks to be entrusted to them.
- (iv) To render assistance to States or Union Territories in preparing District Rural Roads Plans.
- (v) To scrutinize or arrange to scrutinize the proposals received from States and Union Territories for consideration by the Ministry of Rural Development.
- (vi) To oversee and inspect or arrange to inspect through Independent Monitors, the execution of the road-works cleared by the Ministry and being implemented by States or Union Territories through their Executing Agencies.
- (vii) To appoint serving or retired Engineers, Academicians, Administrators and other Agencies, with experience in Rural Roads, as Independent Monitors to ensure proper execution of road works by the State Agencies.
- (viii) To Monitor the progress of the road-works with particular reference to time frame for completion, Technical Specifications, Project Appraisal and Quality Control methods.
- (ix) To set up an “On-line Management and Monitoring System”, incorporating both intranet and internet-based system, for obtaining updated information to facilitate a ready viewing and screening of data.
- (x) To send periodic reports to the Ministry of Rural Development on the progress of implementation of road works by the States or Union Territories.
- (xi) to Monitor the planning for and plantation of fruit bearing and other suitable trees on both sides of the rural roads undertaken by the States or Union Territories, under the Pradhan Mantri Gram Sadak Yojana.
- (xii) To Monitor the expenditure incurred by the States or Union Territories in implementation of the Pradhan Mantri Gram Sadak Yojana, with reference to the funds released by Ministry of Rural Development through expenditure reports obtained from the States or Union Territories and through ‘On-line Management and Monitoring System.
- (xiii) To take up Research activities relating to Rural Roads, including execution of Pilot Projects.
- (xiv) To Study and Evaluate different Technologies in respect of Rural Roads and to take up pilot projects involving different technologies
- (xv) To enter into collaboration with Institutions, Agencies or Bodies of repute, both national and international, in respect of Rural Roads
- (xvi) To arrange suitable Training Programmes for officers of the Ministry as well as the State Governments or Union Territories concerned with the implementation of the Rural Roads Programme in reputed institutions
- (xvii) To Advise on Measures to improve the Quality and Cost-norms of the Rural Roads.
- (xviii) To publish books, literature, take up or arrange for production of publicity material, print, audio or audio-visual in respect of the Pradhan Mantri Gram Sadak Yojana.
- (xix) To organise and sponsor Workshops and Seminars in respect of Rural Roads.

- (xx) To purchase, lease and hire equipment or machinery required in the construction of rural roads.
- (xxi) To take up such activities as necessary to further the objective of the Programme and assist the Ministry of Rural Development in Planning and Implementation of the Pradhan Mantri Gram Sadak Yojana and such other related Programmes as may be taken up.

### 3.0 ORGANISATIONAL ARRANGEMENTS

3.1 The Rules and Regulations of the NRRDA state that the General Body shall comprise 21 members. These include representatives of Central, State Governments or any other Government authority as Ex-officio Members, registered bodies, institutions engaged in any activity connected with rural roads or any of the objectives of the National Rural Roads Development Agency and persons possessing special expertise, ability or experience relevant to the furtherance to the objectives of the Agency.

Shri Raghuvansh Prasad Singh, Hon'ble Minister for Rural Development is the ex-officio President of NRRDA. Dr Subas Chandra Pani functioned as Vice President NRRDA till 31<sup>st</sup> December 2007. Dr Rita Sharma took charge as Secretary, Rural Development and ex-officio Vice- President NRRDA w.e.f. 2<sup>nd</sup> January 2008.

No.	Name	Occupation & Address	Designation In NRRDA
1.	Dr. Raghuvansh Prasad Singh	Minister of Rural Development Government of India, Krishi Bhavan, New Delhi	President (ex-officio)
2.	Dr Subas Chandra Pani/Mrs Rita Sharma	Secretary, Ministry of Rural Development, Government of India, Krishi Bhavan, New Delhi	Vice-President (ex-officio)
3.	Shri Atul Chaturvedi	Additional Secretary & Financial Advisor, Ministry of Rural Development, Government of India, Krishi Bhavan, New Delhi	Member
4.	Shri J.K. Mohapatra	Joint Secretary, Ministry of Rural Development, Government of India Krishi Bhavan, New Delhi	Director- General (ex-officio)
5.	Shri Jitendra Kumar	Director (RC), Ministry of Rural Development, Government of India, Krishi Bhavan, New Delhi	Member
6	Shri B.N. Puri	Adviser (Transport), Room No. 264, Yojana Bhavan, Planning Commission, New Delhi - 110 001	Member
7	Smt Sindhushree Khullar	Additional Secretary, Department of Economic Affairs, Ministry of Finance, Government of India	Member

No.	Name	Occupation & Address	Designation I n NRRDA
8		Director General (RD) & Special Secretary, Ministry of Road Transport and Highways, Transport Bhawan, Parliament Street, New Delhi	Member
9	Shri A.S Sahota	Joint Secretary, Ministry of Panchayati Raj, Krishi Bhawan, New Delhi	Member
10		Principal Secretary, Rural Development, Lucknow, Uttar Pradesh	Member
11	Shri C.S. Rajan	Principal Secretary, Public Works Department, Jaipur, Rajasthan	Member
12	Shr Pradip Bhargava	Principal Secretary, Panchayat & Rural Development Deptt., Bhopal - 462004, Madhya Pradesh	Member
13	Shri M.C Boro	Secretary cum Commissioner, Public Works Department, Government of Assam, Dispur, Guwahati-781006, ASSAM	Member
14	Shri M. Samuel	Principal Secretary, Rural Development, Hyderabad, Andhra Pradesh	Member
15	Shri Anup Mukherjee	Secretary, Rural Engineering Organization, Govt. of Bihar, Patna, Bihar	Member
16	Shri P.K. Nanda	Acting Director, CRRI, Delhi – Mathura Road, New Delhi – 110020	Member
17	Shri Subhash Patel	President, IRC, Sector – 6, Near RBI Colony, Kamakoty Marg, R.K. Puram, New Delhi 110 022	Member
18	Dr. B.K Gairola	Director General, National Informatics Centre, 3 <sup>rd</sup> Floor, NIC Head Quarter, A Block, CGO Complex, Lodhi Road, New Delhi – 03	Member
19	Shri S.C.Sharma	Retd. DG, MoRTH, 175, Vigyapanlok, Mayur Vihar, Phase-I, Delhi – 110091	Member
20	Sh. C.K. Singh	Retd. Engineer-in-Chief, House No. M-10 (D.S.), Hermu Housing Colony, Ranchi – 834002, Jharkhand	Member
21	Prof. P.K.Sikdar	Department of Civil Engineering, Indian Institute of Technology, Powai, Mumbai – 400 076	Member

The seventh, eight and ninth General Body meetings with the above members were held on 16<sup>th</sup> April 2007, 24<sup>th</sup> October 2007 and 26<sup>th</sup> March 2008 respectively. The meetings were presided over by Shri Raghuvansh Prasad Singh, Hon'ble Minister. During the meeting, apart from the review of the activities of NRRDA, the annual report for the year 2006-07 was

approved, the audited accounts for the year 2006-07 were adopted and the budget estimates for the year 2008-09 passed.

3.2 The Executive Committee of the NRRDA comprises Director-General, NRRDA who is the ex-officio Chairman, and upto seven Members to be appointed by the President NRRDA. Of these, one is Finance Member and four are to be from among the Principal Technical Agencies. In addition, two officials of the Agency may be nominated by the President.

3.3 The Organisational Structure as approved by the General Body consists of 5 divisions. The present deployment is given at **Annexure I**. The following was the staff position during 2007-08.

1. Shri J.K Mohapatra, Joint Secretary (RC) and Director General (NRRDA) (ex-officio).
2. Dr. B.P. Chandrasekhar, Director (Technical).
3. Shri H. K. Srivastava, Director (Projects-I).
4. Mr A.D Kapaley Director (Projects-II)
5. Smt. Gargi Kaul, Director (Finance & Administration).
6. Shri Prabha Kant Katare, Chief Quality Co-ordinator and Director (Projects-III).
7. Shri R.K Nagayech, Deputy Director (Projects-II) upto 9<sup>th</sup> May 2007
8. Shri R.K Sharma Asst Director ( Projects- I)
9. Smt. Madhavi Vedula, Technical Officer, Tech. Division.
10. Shri C.P. S. Yadav, Technical Officer (Project-I).
11. Shri Rajumon K.V, Draughtsman, (Project-III).

Routine functions are outsourced through service providers.

## **4.0 PRADHAN MANTRI GRAM SADAK YOJANA**

### **4.1 PLANNING**

4.1.1 **District Rural Roads Plans and Core Network:-** The Core Network is that network of rural roads that is essential to provide basic access to all habitations. Basic access is defined as the single all weather road connectivity to a habitation. The Core Network consists of existing roads as well as roads to be constructed to eligible un-connected habitation. All State Govts. were requested to prepare District Rural Road Plans and identify the Core Network for future planning under the PMGSY.

4.1.2 Further, the States were advised to finalize the DRRP and Core network data after making necessary corrections, if any, and freeze the data. After freezing the data, all the States were requested to send the final Core network data both in hard and soft copies, to MoRD/NRRDA for further use. The final Core Network data has been received from all the States. However, some States expressed the need to review the Core Network for modifications in the structure or changing the connectivity status of habitations after a through inventory and ground truthing. Andhra Pradesh, Bihar and West Bengal started the exercise already and the finalization is expected shortly. Though Kerala obtained permission, further progress is yet to be given.

## **4.2 TECHNICAL SUPPORT:-**

**4.2.1 Principal Technical Agencies:-** Since the beginning, with the approval of President NRRDA 7 Principal Technical Agencies (PTAs), primarily Indian Institutes of Technology/other Premier Technical Institutions were appointed to provide technical support and take up research projects, study and evaluate different technologies and advise on measures to improve the quality and cost norms of rural roads. List of PTAs is at **Annexure II**.

**4.2.2 State Technical Agencies:-** The STA's scrutinise the project proposals prepared by the State Government and provide technical support to the State Governments. The scrutiny by the STAs expedites the process of project clearance, establishes a certain degree of technical discipline and rigour in the implementation of PMGSY. At the same time, it is administratively convenient for State authorities. List of State Technical Agencies as on 31.03.2008 is at **Annexure III**

### **4.2.3 Procurement of Works**

The Programme Guidelines of PMGSY provides for a well established procedure of tendering through competitive bidding for all projects under the programme. A Standard Bidding Document (SBD) was developed and prescribed for the programme in March, 2003. The template Standard Bidding Document (SBD) was adopted by all the States and the works under the programme are being executed on the basis of this document.

Keeping in view the size of the investment envisaged under Bharat Nirman, a massive expansion is needed in the contracting capacity of States, particularly those with large targets under the new connectivity and up-gradation components. These States are required to scale up their annual expenditure by 4 to 5 times. In order to facilitate enhancement of contracting capacity of States, a Technical Committee was constituted to review various provisions of the SBD and on the basis of recommendations of this committee, Joint Ventures were allowed, States were advised to tender works in packages upto 10 Crores on experimental basis, requirement of annual turnover was rationalized for three categories of works, a preference of 20% in assessing annual turnover and experience of similar work was provided as an incentive to those contractors who have performed well in PMGSY and release of retention amount was rationalized.

As per the provisions of the SBD, performance security of 5% was obtained from contractors at the time of execution of the agreement and another 5% was deducted from their running bills. With a view to enhance the liquidity and thereby augment contracting capacity in the States, the Standard Bidding Document has been amended and upfront performance security amount to be obtained from the contractor has been reduced to 2.5%. The balance amount of 7.5% would be deducted from the running bills of the contractor.

### **4.2.4 Time period allowed for completion of projects:**

PMGSY is being implemented in accordance with the programme guidelines. In plain areas, the projects are to be completed within a period of 9 working months from the date of issue of the work order. In case the period for execution is likely to be adversely affected by monsoon or other seasonal factors, the time period for execution is extended up to 12 calendar months.

Time period for completion of projects in hilly areas (Stage I and CD works) under PMGSY has recently been modified. The time limit up to 18 calendar months has been permitted for completion of Stage-I works of hill roads (in hill States). Similarly, time period of 18-24 months has been permitted for completion of cross drainage works exceeding 25 meter length, depending on site conditions.

### **4.3 Project Scrutiny and Clearance**

The project proposals after approval by the State Technical Agencies are submitted to NRRDA where a test check is carried out and further scrutiny done to ensure that the proposals have been prepared keeping in view the programme guidelines. These are then put up before the Empowered Committee for consideration. Proposals of Rs 9118.3 crores, Rs 19384.67 crores and Rs 24374.50 were examined and cleared by the Empowered Committee during 2005-06 2006-07 and 2007-08 respectively. The State –wise details are in **Annexure IV**

## **5. QUALITY ASSURANCE MECHANISM UNDER PRADHAN MANTRI GRAM SADAK YOJANA**

PMGSY is implemented in accordance with the prescribed guidelines which provide that ensuring the quality of the road works is the responsibility of the State Governments, who are implementing the programme. To this end, all works are required to be effectively supervised.

The management systems under the programme are oriented towards principles of quality assurance. A system of *three-tier* of quality mechanism was adopted which includes the process of in-house quality control at the field level followed by independent quality monitoring at the State level and Central level is adopted. On the basis of feedback, this management mechanism is being improved regularly.

The *first tier* of this mechanism is in-house quality control by way of ensuring mandatory tests, under the supervision of officers of Programme Implementation Unit (PIU), on quality of material and workmanship through establishment of field laboratory by the Contractor. Essential provisions have been made in Standard Bidding Document to enforce quality standards through provisions of contract in respect of quality testing, deployment of machinery and equipments necessary for achieving required quality standards and deployment of technical personnel by the Contractor. It was decided to review the implementation of first tier quarterly at NRRDA also accordingly reporting formats have been prescribed and implementation is reviewed.

The second and third tiers of this mechanism are independent monitoring of quality. In the *second tier*, quality monitoring is envisaged through deployment of State Quality Monitors, independent of executing machinery. In this tier, the State Government is required to ensure inspection of each work at three stages, i.e., initial stage, middle stage and final stage of construction. NRRDA has started close monitoring of this tier of QM also.

In the *third tier*, quality monitoring is envisaged through deployment of independent National Quality Monitors (NQMs) by the National Rural Roads Development Agency. The



quality monitoring in this tier is not envisaged as mechanism to provide guidance to the field functionaries rather than fault finding. The NQMs are required to inspect the works on random basis and to identify the deficiencies in quality of works. The observations of NQMs are sent for action to the State Governments and Action Taken Reports (ATRs) are monitored at NRRDA.

As an endeavour to continuously improve upon the delivery systems and on the basis of feedback received from various States and implementing agencies including the observations of Audit, the following improvements have been effected in the quality monitoring mechanism:

**(i) Revised Quality Assurance Handbook for Rural Roads (QAHB) :** A careful study of the in-house quality control mechanism revealed that there was a gap in accountability of field functionaries in respect of ensuring quality of various items of work. It emerged that frequency of mandatory tests was on high, making it impractical and also that the compiled documentation for testing procedures required under the rural roads was not readily available. Therefore, a Quality Assurance Handbook for rural roads has been developed, in which some basic changes have been effected.

QAHB has been developed with the help of Indian Roads Congress and is being provided to the field functionaries. The main features of Quality Assurance Handbook are:

- (i) Quality control requirements have been clearly laid down.
- (ii) Detailed description of equipments and test procedure has been compiled in one volume for the benefit of testing personnel.
- (iii) The requirements about the frequencies of quality control testing have been thoroughly examined and now practicable frequency of tests has been provided.
- (iv) For ensuring clear accountability, the quality control tests for material and workmanship at various levels have been introduced with a view to passing the relevant stage of work.

**(ii) Restructuring of the Third tier of Quality Mechanism:** Experience of quality monitoring at the third tier indicated that observations of NQM should be objective and based on defined methods of field testing. It was also felt that this monitoring should focus on quality of work rather than other aspects, NQMs should be made more accountable and the conduct of NQMs should be more ethical. Accordingly, the guidelines for third tier of quality mechanism have been revised. The code of conduct has been prescribed for NQMs and methods of observations and field testing have been prescribed for every item of work involved in road construction. The NQMs have been provided with clear and objective format for reporting and the quality grading of work is being done by the NQMs on the basis of defined parameters. The process of taking action on the observations of NQMs have been made more objective and process of grade improvement of quality has been introduced, wherein, the action taken report is verified by another independent monitor before the improvement of quality grading of work.

The statement showing the state-wise inspection of works, quality grading and position of submission of Action Taken Reports from March, 2002 to March, 2007 is given in **Annexure V**

## 6 MONITORING

### 6.1 ON-LINE MANAGEMENT, MONITORING AND ACCOUNTING SYSTEM (OMMAS)

The Online Management & Monitoring System constitutes a core component of PMGSY. In order to effectively monitor the entire programme and bring about greater efficiency, accountability and transparency in implementation, this web enabled application software has been developed by the Centre for Development of Advanced Computing (C-DAC) for the Ministry of Rural Development. The software is available through the PMGSY website [www.pmgsyonline.nic.in](http://www.pmgsyonline.nic.in).

During the year, at the request of the Ministry and NRRDA, CDAC enhanced the exiting modules and also added and modified reports for Bharat Nirman, physical and financial performance monitoring and stabilized the accounting module. Action was taken to ensure that the reliability and integrity of the data was maintained. Trainings were conducted wherever required, through CDAC and the identified Master Trainers.

### 6.2 Review Meetings

To monitor the implementation of the projects by the State Governments, Review Meetings are held in various States either region-wise or State-wise. The meetings held during the year 2007-08 were as follows:-

#	Date	Venue	Topic of Meeting	Participation
1.	13.04.2007	Habitat Centre	Review Meeting of PMGSY	All States
3.	06.07.2007	Krishi Bhawan	Review of implementation of PMGSY through NEAs in Bihar by Hon'ble MRD	All NEAs
4.	30-31.07.2007	Kolkata	Review meeting of PMGSY	West Bengal
5.	23.08.2007	Maharshtara	Review meeting of PMGSY	Maharashtra
6.	06.09.2007	Krishi Bhawan	Review Meeting of Bharat Nirman	Assam, Chhattisgarh, Jammu & Kashmir, Jharkhand, Orissa, Tripura, Uttar Pradesh, Uttarakhand & West Bengal.
7.	18.09.2007	Bhubneshwar Orissa	Regional Review Meeting	Andhra Pradesh, Bihar, Chhattisgarh, Jharkhand, Karnataka, Kerala, Orissa, Tamil Nadu & West Bengal, Pondicherry
8.	25.09.2007	Jaipur, Rajasthan	Regional Review Meeting	Maharashtra, Goa, Gujarat, Madhya Pradesh, Uttar

				Pradesh, Uttarakhand, Rajasthan, Haryana, Himachal Pradesh, Punjab, Jammu & Kashmir.
9.	19.10.2007	Krishi Bhawan	Review of implementation of PMGSY through NEAs in Bihar by Hon'ble MRD	All NEAs
10.	17-18.01-2008	New Delhi	Performance Review Committee Meeting	All States

The above meetings were attended by State Secretaries of Nodal Departments, CEO of SRRDA, State level senior technical officers such as Engineer-in-Chief, Chief Engineer, State Quality Coordinator, Financial Controller and IT Nodal Officers. The STAs, PTAs and NQMs also participated in regional review meetings.

Physical and financial progress of works, issues pertaining to forest clearance, maintenance, data entry on OMMAS, institutional and capacity, quality, DPR preparation, and core network etc. were reviewed during the above meetings. Presentations about deficiencies in quality noticed during inspection of works, DPR preparation etc. were made and details about these aspects were also discussed. In the context of the Bharat Nirman Programme, detailed discussion about progress of works and the steps taken by the States to meet the targets was held in these meetings.

### 6.3 Transparency and Citizen Monitoring

The Citizen Information Board has been designed to provide details of actual work proposed at the site. Details relating to width of each layer of the pavement along with the quantity of the materials required to be used in each of the layers are displayed in the board. State Governments have been advised to fix Citizen Information Boards on every PMGSY road in local language with a view to share information with the citizen and enhance transparency in the programme implementation.

In order to further enhance transparency in the programme, State Governments have been advised to arrange joint inspection of ongoing as well as completed works under PMGSY by Hon'ble MPs, Hon'ble MLAs and functionaries of Panchayati Raj Institutions. The arrangements of joint inspection are as under:-

- The Superintending Engineer concerned of the zone/region will request Hon'ble MP and Zilla Pramukh representing that zone/region once in six months to select any PMGSY project(s) for joint inspection. The schedule of joint inspection will be fixed as per the convenience of Hon'ble MP/Zilla Pramukh.
- The Executive Engineer incharge of a division will request Hon'ble MLA/Chairperson of the Intermediate Panchayat concerned once in three months for joint inspection of any PMGSY project(s) as per their choice and according to their convenience.
- Similarly, the Assistant Engineer in charge of the sub-division will request the concerned Sarpanch of the Gram Panchayat once in two months to select any PMGSY project(s) for

joint inspection. Joint inspection of the project(s) may be arranged as per their convenience.

## 7. RESEARCH & DEVELOPMENT

The NRRDA has taken R&D initiatives in the following areas: -

- Use of Jute Geo Textiles.
  - Rural Roads Pavement Performance Study.
  - Traffic Volume Studies on completed PMGSY Roads
  - Cement Concrete Pavements
- **Use of Jute Geo Textiles in Rural Roads:** – Cost of road construction being higher in poor soil, R&D findings on the benefits of using Jute to improve soil strength is being further investigated. In order to prove the efficacy at field level of the use of Jute Geo Textiles in Rural Road Construction, a Pilot Project has been initiated and the Jute Manufactures Development Council (JMDC), an Agency of Ministry of Textiles was identified as the nodal agency for the Pilot Project which in turn has retained Central Road Research Institute (CRRI), New Delhi as Technical Consultant. A MoU has been signed between NRRDA and JMDC. Roads for the Pilot Project have been selected in 5 States.

The Detailed Project Reports for the selected road works, prepared by JMDC under the guidance of CRRI, have been cleared by Empowered Committee. The SRRDAs have already awarded the works following the provisions of SBD with necessary special conditions. All works are at different stages of progress, many of them being near completing stage.

- **Rural Roads Pavement Performance Study:** – Rural Roads Pavement Performance Study has been initiated on the recommendations of the Workshop conducted for STAs, in order to enable the evaluation of the following:
- (i). Efficacy of the current design procedures for sustainability.
  - (ii). Trends in the growth pattern of the traffic plying on the roads under different socio-economic environments.
  - (iii). The progression of deterioration of the pavements over a period of time under different field conditions.

Institutions for carrying out Rural Roads Pavement performance Study have been identified and MoU have been signed. All the institutes are in the process of periodical data collection. The guidelines for analysis are being finalized for uniform performance evaluation and drawing useful conclusions.

- **Traffic Volume Studies on completed PMGSY Roads:-** Traffic expected to use the road during the design life period of the road is one of the key parameters in the design of the pavement. Currently, for the new roads, a heuristic judgment of the base year traffic is made based on the experience of the existing roads under similar conditions and then projected with an assumed growth rate of 6%. For the roads taken for upgradation, the base year traffic is assessed through Traffic Counts.

In order to verify whether the assumed based year traffic and / or the assumed growth rate is reflected in the traffic plying on the road after its completion, it is proposed to conduct Traffic Volume Surveys on representative roads taking one per block in the set of roads completed before December, 2003, preferably of Phase-II. The task was assigned to STAs, who selected the roads in consultation with the respective SRRDAs. About 12 Institutes have collected the data and submitted which is being reviewed for drawing conclusion.

- **Cement Concrete Pavements:-** Cement Concrete Pavement are best suited on the soils of poor bearing capacity and also at the sites where exist severe drainage problems. However, the initial cost of construction of the Cement Concrete Roads will be normally higher compared to the conventional bituminous pavement. It was indicated by Cement Manufactures' Association (CMA) that the benefits in the form of reduced routine maintenance costs and the elimination of renewal and rehabilitation cost of bituminous Pavements will offset the high initial cost, if Cement Concrete Pavement are constructed, even in rural roads.

In order to field test the above, it is proposed to construct Cement Concrete Pavements under PMGSY. It has been decided that Cement Concrete Pavements can be proposed upto 10% of the roads under PMGSY from each State with the condition that 50% of the differential cost between the rigid pavement and flexible pavement for the road would be borne by the State, the balance 50% being funded under PMGSY. All States have been requested to send the proposals for taking up roads with Cement Concrete Pavement, which incidentally will also facilitate the use of fly ash replacing a part of the cement to be used in the Cement Concrete Pavements.

CMA is following up with the States for the preparation of proposals for this Technology Demo Project and also working the details of training modules.

## **8. EXTERNALLY AIDED PROJECTS**

- 8.1** Since resources available from the cess High Speed Diesel (HSD), levied under the Central Road Fund Act, are inadequate to finance a programme of this size, the Ministry of Rural Development is authorized to take appropriate steps in coordination with the Ministry of Finance to generate additional financial resources including by way of borrowings from External Funding Agencies such as the World Bank and the Asian Development Bank. The NRRDA provides technical and operational support for project preparation and execution. Performance of these projects is also monitored by NRRDA in accordance with the framework envisaged in the loan/project agreements.

### **8.2 World Bank Project**

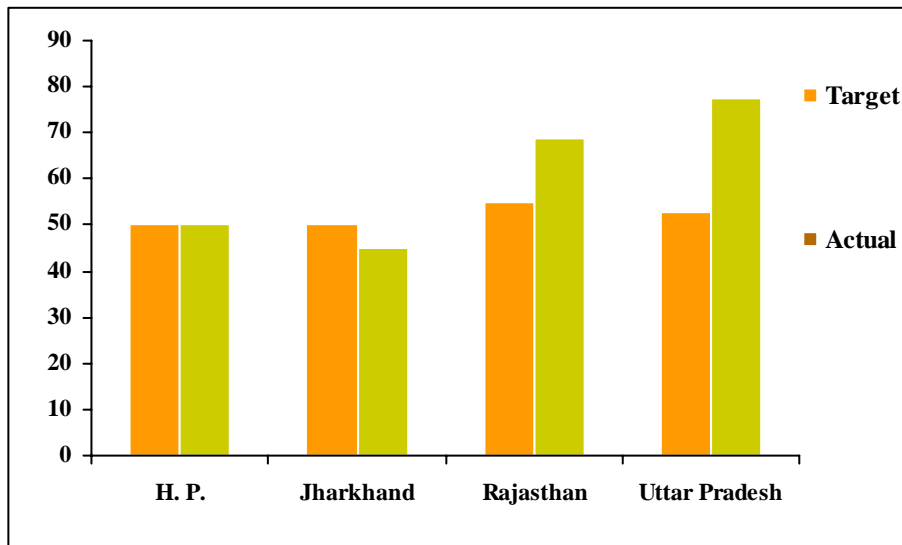
**Rural Road Project – I.** A USD 400 million loan from World Bank was taken for Himachal Pradesh, Jharkhand, Rajasthan and Uttar Pradesh during 2004-05 . NRRDA, on behalf of the Ministry monitors the project, co-ordinates with World Bank, the States, carries out studies, processes claims and prepares the quarterly reports.

Implementation review was undertaken by the Bank mission with the participation of NRRDA in September 2007 and in April 2008. Overall progress and achievement of objectives was found satisfactory, progress in Jharkhand & Himachal Pradesh required to

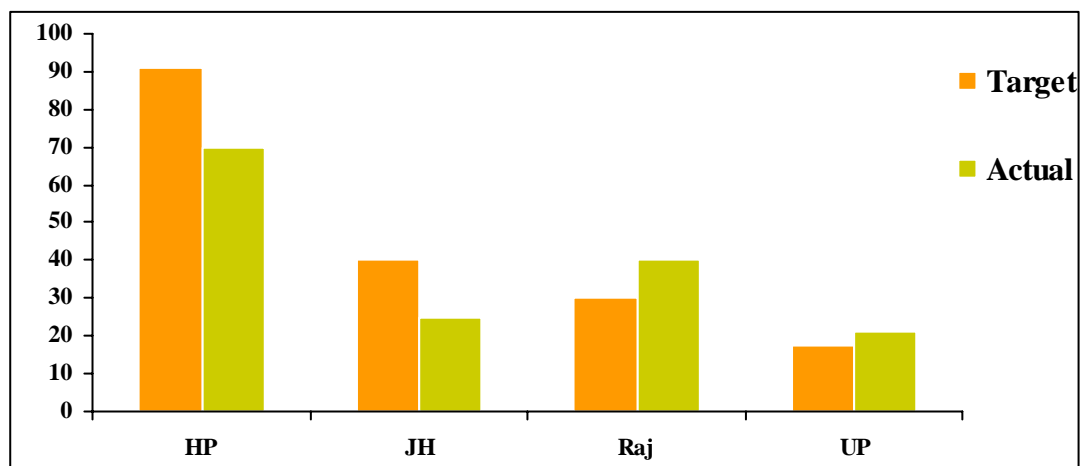
be speeded up. It was considered necessary to strengthen institutional component at the State and National level for achieving the overall objectives and targets during balance loan period. Need was also highlighted for training on Financial, Social & Environmental issues.

Performance against key performance indicators laid down in the project appraisal document are indicated below:

**Performance Indicator  
Habitation coverage (%)**



**Performance Indicator  
% of core rural roads network subject to routine maintenance**



## Progress for World Bank Funded PMGSY with reference to Targets

States	Length in Km. (Cumulative)	
	Targets ( upto March 08)	Achievement upto March 08
Himachal Pradesh	700	640.01
Jharkhand	550	68.15
Rajasthan	1800	4419.74
Uttar Pradesh	2100	970.47
<b>Total</b>	<b>5150</b>	<b>6098.37</b>

### Financial Disbursement

Particulars	Disbursement ( March – 08)
Target \$ mn ( cumulative)	275
Disbursement \$ mn	202.7

Arrangement for training of 13 officers from States, NRRDA/MoRD of Restructuring Road Management and Road Maintenance Management from 29<sup>th</sup> April to 11<sup>th</sup> May 2007 at University of Birmingham was made by NRRDA as a part of Institutional Capacity Building under the loan.

**Second Rural Road Project:** The Government of India, (DEA, Ministry of Finance) approached the World Bank during November 2005 for assistance to speed up the implementation of PMGSY under Bharat Nirman in the States of Arunachal Pradesh, Bihar, J&K, Mizoram and Uttaranchal. The proposals of GoI has been accepted in concept by the World Bank during November itself. The task team from the World Bank has also undertaken identification missions & project preparation missions to each of the proposed States during the year. The size of proposed loan assistance is USD 500m.

Project proposals for tranche-I has been considered and cleared for all the participating state. Loan Negotiation are yet to be held.

## 8.3 Asian Development Bank

### Rural Roads Sector I Projects (RRSIP)

ADB has been providing support under Rural Roads Sector Programme (RRSP-I) in Madhya Pradesh and Chattisgarh. The project is intended to fund the construction of 5500 Km of rural roads under PMGSY in each State with a funding of US \$ 400 million. The funding of ADB is limited 76% of the construction cost of projects. The loan became effective from 25<sup>th</sup> January 2005 and the revised loan closure date is 30<sup>th</sup> June 2009. As per ADB's Guidelines, NRRDA is assisted by a Project Management Consultant (PMC) in implementation of the project in Chattisgarh and Madhya Pradesh. Total length of project sanctioned in Madhya Pradesh and Chattisgarh has been 5935 Km and 5165 Kms respectively. 1634 km and 1092 km roads were constructed in Madhya Pradesh and Chattisgarh respectively during the year

In addition draft roads safety audit guidelines for rural roads was prepared by PMC and two workshops with field demonstration of road safety audit were held in both states in the month of October'07. PMC studied the maintenance mechanism in both the States and concept document for the maintenance, Service Quality Level benchmarks and draft amendments for maintenance in Standard Bidding Document, where prepared. Draft road safety campaign material and draft work plan for rural road execution have also been prepared which are to be finalized. PMC has conducted two rounds of surveys in social economic impact assessment on PMGSY roads in both states.

*Reimbursement claims for US\$ 136.45 million were submitted to ADB against target of US \$123 million during the calendar year 2007*

### **Rural Roads Sector II Projects (RRSIIP)**

ADB, in the second phase is supporting PMGSY in the states of Assam, Orissa and West Bengal through a Multi-tranche Financing Facility (MFF) Loan of 750 M US\$. The First Periodic Request (PFR) of 180 M US\$ for RRSIIP has been sanctioned by ADB with a date of loan effectiveness as 18<sup>th</sup> October, 2006 and loan closing date as 31<sup>st</sup> December, 2008. The share of Bank financing is 80% of the construction cost of the sub-projects and remaining cost is to be borne by Govt. of India. As per provisions of ADB, Technical Support Consultant (TSC) has been engaged to assist NRRDA and SRRDAs for preparation of sub-project proposals, social and environmental safeguards and training interventions. ADB Batch I includes 924 km in Assam, 1042.7 km in Orissa and 805.25 km in West Bengal, out of which 295 km roads in Assam, 306 km roads in Orissa and 303 km roads in West Bengal have been completed during the year. A Technical Support Consultant has been hired to assist NRRDA and SRRDA in sub-project preparation, social environmental safeguards and road safety provisions. Each state has also engaged Project Implementation Consultant for implementation of ADB Projects.

During the year sub-project preparation and social and environmental safeguard compliance of ADB Batch II in the state of Orissa, Assam and West Bengal has been completed. During the year Orissa completed 361 kms of road length at a cost of Rs. 213.66 crores. Preparation of sub-project and process of procurement for 3<sup>rd</sup> tranche under ADB Batch II in Assam and West Bengal were initiated during the year. Assam has proposed 1000.78 km of road length at Rs 573.46 crores and West Bengal has proposed 908.09 km of road length at Rs. 329.71crores. Road Safety Audit workshops were conducted in Orissa during the year.

*Reimbursement for US\$ 68.51 M could be claimed from ADB against target of US\$ 64.10 M in loan no. 2248 during the CY 2007.*

### **8.4 Technical Assistance from World Bank.**

World Bank is supporting India's economic reforms by extending technical and financial assistance in various sectors. NRRDA is also a participating entity in this assistance through the Ministry of Rural Development. The TA project ended in December 2007. The status of funds received under the various components and the expenditure against them upto December 2007 is as follows:-



	<b>Activity</b>	<b>Budget (Rs in crores)</b>	<b>Expenditure (Rs in crores)</b>
1	Preparation of Manuals, Pilot Projects, Studies	4.00	3.4
2	Training Activities and Workshops	11.05	11.73
3	International Exposures	6.09	4.37
4	Special Equipment	17.82	19.74
<b>Total:</b>		38.96	39.24

**The activities taken up under the Project during 2007-08 were follows:-**

**I Preparation of Manuals, Pilot Projects, Studies**

- ***Development of pilot basis of Geographical Information System (GIS)*** : For effective management of PMGSY and various State level programmes for construction, improvement, maintenance and monitoring of rural roads, a Geographical Information System (GIS) component was developed through Centre for Development of Advanced Computing (C-DAC) , Pune in the two pilot States of Rajasthan and Himachal Pradesh wherein, a digital database for rural roads in GIS environment was developed and made operational. The digital database has been linked to OMMS and a web based GIS enabled Road Information Management and Monitoring System- GRIMMS has been developed. Total cost of project is Rs 270 .00 lacs.
- ***Preparation of Manual on use of Steel Structure for PMGSY Rural road in Bridges & Culvert:*** The preparation of manual on use of Steel Structure for PMGSY rural road in bridges & culvert has been worked out by the Institute for Steel Development and Growth (INSDAG), Kolkata for an amount of Rs 5.06 lacs.
- ***“Rural Road Vision Plan: 2025”:*** As prepared by IRC and core group was dedicated to nation in Seminar held at Vigyan Bhavan on 23-24 May 2007 by Dr. Manmohan Singh Hon’ble Prime Minister of India. The major areas covered in the Rural Road Development Plan: 2025 relate to preparation of district rural roads plans, targets of connectivity to all unconnected habitations of the country going beyond the PMGSY norms, preservation of rural roads assets, emphasis on engineered roads and quality construction with judicious blend of labour and light machinery so that roads being constructed are durable on the one hand and use of local materials and local skills is maximized on the other hand. This document would guide the Centre and the States in their efforts to formulate and implement the long term plans for the development of rural roads.

## II Training Activities and Workshops

During the year around 55 training programmes of 2 to 6 days duration were conducted for engineers & accounts personnel involved in PMGSY at various levels. The training programmes have been conducted successfully covering 1817 engineers.

## III Survey, Lab Equipment and I.T. Equipment

- Quality Control and Field Survey Equipments: In order to ensure sustained quality improvement in the PMGSY road construction process, States were encouraged to upgrade their testing facilities. Proposals of fifteen States were approved during the year for procurement of equipments/ IT Equipment as per details given below:

State	Details of Sanctioned ( Rs. In Lacs)			Establishment/ Strengthening of Lab./IT Equipments	
	Lab Equipment	IT Equipment	Others	PIU Lab	Zonal
Arunachal Pradesh		20.97	8.10 (total station)	2	
Bihar	228			38	11
Chhattisgarh	49.43	42.13	10.00 road design software		
HP			3.74 GIS Strengthening		
J&K		5.49			
Kerala		6.61			
Karnataka	16.78			21	
MP	56.56				
Maharashtra	81.01	4.58		33	
Manipur	29.32	4.48			
Orissa	55.16	16.10		23	
Rajasthan			4.95		
Tamilnadu	53.15			29	
Uttaranchal	7.92				2
West Bengal	19.03			19	1
	568.64	100.36	26.79	165	14

## IV International Exposures

During year 2007-08, three delegations went abroad as per details below:

Country/Institutions visited	Number of Participants	Duration	Brief Description
Royal Melbourne Institute of Technology, Melbourne, Australia	11	28 <sup>th</sup> April – 5 <sup>th</sup> May 2007	Study Tour organised by the RMIT and Vic Roads covering Road Asset Management, Low Traffic Pavement Design Practices, Unsealed roads, Road Safety etc
Royal Melbourne Institute of Technology, Melbourne, Australia	17	12 <sup>th</sup> May – 26 <sup>th</sup> May 2007	Training Programme organised by the RMIT and Vic –roads covering road Asset Management, Low Traffic Pavement Design Practices, Unsealed Roads, road Safety etc.
Republic of Indonesia	11	24 <sup>th</sup> June – 30 <sup>th</sup> June 2007	Technical Exposure visit to Indonesia

*The TA has been very effective in capacity building of the state rural road agencies implementing PMGSY. Funds have been fully utilized for the purpose for which they were made available. The achievement of TA objectives can be rated highly satisfactory*

## 9.0 PARTICIPATION IN INDIAN ROADS CONGRESS

The 68th Annual Session of Indian Roads Congress (IRC) was held during 16-19 November, 2007 at Jaipur, Rajasthan . Officers of NRRDA and selected Engineers and members of STA from all the States involved in the PMGSY attended the annual session. An exhibition depicting the objectives and scope of PMGSY, processes and procedures for the construction of good quality rural roads and their maintenance, achievements and impact of PMGSY, was organised and kept open for the delegates through out the session. Officers of NRRDA had also presented their papers on different subjects during course of session.

## 10.0 WORKSHOPS AND SEMINARS

### 10.1 National Conference and exposition on rural roads

National Conference and Exposition on rural roads was organized from 22nd to 24th May, 2007 at Vigyan Bhavan, New Delhi, in which field level and other senior officers from the States/UTs/Agencies, quality monitors and representatives from various stakeholders in the programme participated. A technical exhibition was also organized displaying achievements in PMGSY, materials and machineries used in construction of rural road etc. through photographs, posters, models.

Dr. Manmohan Singh, Hon'ble Prime Minister of India graced the inaugural session of the conference and release the 'Rural Roads Plan: Vision 2025'. The valedictory session was addressed by Shri Bhairon Singh Shekhawat, Hon'ble Vice President of India. The 'Quality Assurance Hand Book for Rural Roads' was also released by Hon'ble Vice President on this occasion.

The work of organizing this conference was handled by the National Rural Roads Development Agency and the Construction Industry Development Council (CIDC).

Key experts on policy, planning and decision making from Central and State Governments, funding organizations, research institutions, field level officers of the States, technical institutions termed as Principal Technical Agencies and State Technical Agencies for PMGSY, independent quality monitors, material and machinery manufacturers and suppliers, contractors and consultants involved in the rural roads construction participated in the conference. A technical exhibition to exhibit various materials and machinery etc and showcasing the achievements in the flagship rural roads development programme was very successfully put up during the conference.

*National Bank for Agriculture and Rural Development (NABARD) sponsored the event as Gold Sponsorer followed by National Buildings Construction Corporation Ltd. (NBCC) and National Hydro Electric Power Corporation (NHPC) as Silver Sponsorer. The Principal Sponsorship for the event was provided by Hindustan Petroleum Corporation Ltd (HPCL), National Project Construction Corporation (NPCC), IRCON, Shell Bitumen India (P) Ltd. The sponsorers to the event were AIMIL, State Bank of India Bhubneshwar, Cement Manufacturers Association (CMA), State Bank of India Chennai and NIIT.*

The main objective of the Conference was to review the existing status and refine the roadmap for the future. The deliberations in the conference on the subject and recent developments brought out new thoughts and methods/ strategies to address the rural roads and infrastructural issues more efficiently and effectively. The deliberations facilitated further refinement in execution of Bharat Nirman and to disseminated appropriate messages to all concerned.

### **Technical and Special Sessions**

The conference was planned with 4 Technical Sessions and 2 Special Sessions. The Technical Sessions were on the following identified themes:

- |          |   |
|----------|---|
| Theme 1: | Planning and Design of Rural Roads  |
| Theme 2: | Construction of Rural Roads   |
| Theme 3: | Maintenance and Management of Rural Roads   |
| Theme 4: | Allied Topics covering financing, traffic safety, impacts of Rural Roads, community participation in Rural Roads planning, construction and Maintenance and sustainable issues. |

**Theme 1** included a key note address and ten technical papers covering alternative strategies for planning of rural roads, GIS applications in planning, performance criteria for designs, subgrade characterization, pavement overlay design, prediction of CBR values through correlation and the experiences of outsourcing.

**Theme 2** on Construction of rural roads attracted attention of large number of authors covering a wide variety of issues in construction. The session included a key note address on the theme

and twenty other technical papers. The topics of the technical papers included experience of a pilot project with jute geo textile in rural road construction, various techniques of soil stabilization and use of locally available materials, techniques for long life pavement, cost effectiveness in rural road construction, use of plastic modified bitumen, culverts and small bridges, construction with interlocking concrete block pavements, problems in mobilizing man and material in rural roads construction, and comparative study of different types of cross drainage system.

**Theme 3** on maintenance and management of rural roads focuses on asset maintenance and preservation. In addition to the key note address, seven technical papers of research value illustrating the strategies for maintenance and management of rural roads were included in the session. The topics covered in the technical papers included development of pavement performance models, asset management, GIS based data mining for condition monitoring, concepts in maintenance management system, interactions with PIUs on management issues and calibration of highway design and management models which is policy sensitive for investigating alternate strategies of pavement management.

**Theme 4** covered several areas of financing, impacts of rural roads construction, community participation in planning, construction and maintenance of rural roads and road safety. Keeping in view the areas to be covered two key note speakers were invited to highlight the issues and challenges. Nine technical papers were received covering the topics such as socio – economic impacts of rural roads, quantification of benefits, impact of PMGSY on travel characteristics, issues in the sustainability of rural roads, application of information technology, financial management systems and technology demonstration projects under R&D.

The experience sharing special sessions covered the following areas:

1. Experience sharing by the implementing agencies of PMGSY.
2. Presentations by industry on latest technologies and materials and instrumentation.

During the **Experience Sharing Session** various issues like institutional development, capacity building for executing agencies and contractors, e-procurement, monitoring and management of the programme at state level and special problems faced by some of the States due to their geographical location, terrain and the environmental conditions were raised.

During the **Session on Presentations by the Industry** new technologies, product ranges and their suitability for sustainable development of rural roads were presented by the representatives of both public and private sector organizations to inform the field engineers various options they can adopt, based on the site conditions in different states under varied conditions of constructing rural roads.

Key experts on policy, planning and decision making from Central and State Governments, funding organizations, research institutions, field level officers of the States, technical institutions termed as Principal Technical Agencies and State Technical Agencies for PMGSY, independent quality monitors, material and machinery manufacturers and suppliers, contractors and consultants involved in the rural roads construction participated in the conference.

**Recommendations** -The recommendations made on the basis of the deliberations held during the session were as follows-

***Theme 1***

1. The current approach and criteria adopted for preparation of District Rural Roads Plan and Core Network needs re-examination

- Optimal networks should be selected to serve maximum population at minimal cost.
  - A separate criteria is to be evolved for hill areas with dispersed settlements.
  - Need for considering provision of multiple connectivity to increase the economic activity of areas already provided with basic connectivity.
3. Needs of different segments of rural population are different. Roads leading to facility locations such as school, dispensary, drinking water, community center should be considered in the network approach. Consideration should be given to community participation and stakeholder consultation in planning and prioritizing of accessibility interventions.
  4. Application of tools such as Geographical Information System (GIS) will enable different agencies make efficient use of the information available in the data base. The database will also help in preparing master plans for other sectors, as well.
  5. Due consideration should be given to the fact that several habitations (especially in thinly populated areas) will remain unconnected until 2022 (as envisaged in Vision 2025 document). The possibility of providing basic connectivity to all habitations much earlier needs to be examined. This can be achieved by scaling down the specifications and other associated activities suiting to the needs of traffic using them and resulting in low-cost construction while connecting habitations with lower population.
  6. These roads may be planned for stage construction with provision for subsequent upgradation.
  7. Design for flexible pavements of rural roads, as currently prescribed in the Rural Roads Manual has been revised and the new design guidelines are likely to be published shortly. This provides for performance based designs using equivalent axle load applications. NRRDA may consider instituting a regular system of monitoring performance data of rural roads constructed on the basis of such designs through academic institutions and research centers to enable review of design approaches.
  8. The recent initiative taken by NRRDA for collecting performance data on PMGSY roads was acknowledged with appreciation. Such studies on all Rural Roads are to be taken in order to capture relevant data on performance of the roads constructed with different specifications.
  9. Inadequate drainage is one of the fundamental causes of premature failure of all roads and rural roads are no exception. Provision of adequate drainage measures including subsurface drains and drainage structures should receive full attention of the practicing engineers while preparing the project estimates for construction of rural roads.
  10. The concept of planning and design for rural roads under the PMGSY programme should apply to all rural roads so that requisite engineering inputs are ensured for the rural roads constructed under other programmes are also equally durable.
  11. While designing overlays for improvement of existing rural roads to meet the needs of projected traffic, it is desirable to undertake proper evaluation of the

existing pavement condition. For this, assistance of research laboratories or academic institutions may be sought, if necessary.

### ***Theme 2***

1. There is a need to improve the compaction specifications for Rural Roads- advisable to adopt compaction requirements based on modified proctor density.
2. Innovative construction techniques need to be adopted. For promoting their use, some projects may be executed on experimental basis. There is need for making available schedule of rates for such items.
3. In case of upgradation of existing pavements with poor drainage and inadequate crust thickness, it is suggested to raise the formation level above HFL and reconstruct the pavement as per Rural Roads Manual.
4. Full compliance of the requirements of Rural Roads Manual for roads in Village limits to have better drainage system and concrete block pavement.
5. Geotextiles, especially Jute and Coir, can be effectively used in rural roads as they improve the strength, drainage and prevent soil erosion. Pilot projects may be taken up in several parts of the country.
6. Rounded aggregates can be used in combination with crushed aggregates in lower pavement layers. Pilot Projects may be taken up on experimental basis.
7. Fly Ash with fibre can also be effectively used in the sub-base layers. Pilot Projects may be taken up.
8. Permeability characteristics of soil, especially lateritic soils, can be improved for use as a drainage layer through mechanical stabilization by mixing with waste materials. Pilot Projects may be taken up in States where such materials are available.
9. Interlocked Cement Block Pavements (ICBP) have low life cycle costs- standardized design and specifications for rural roads are available and need to be adopted.
10. Cellular Concrete Pavements can be adopted for rural roads; the cellular concrete pavements have lower life cycle costs. Pilot Projects may be taken up.
11. There is urgent need to conserve the natural resources through cost-effective soil stabilization techniques in rural road construction.
12. Low end technology equipment may be effectively utilized in construction of soil stabilization layers to reduce the dependence on heavy sophisticated machinery.
13. There is need to consider construction of brick masonry arch culverts to encourage use of available materials to cut down on costs. Training of masons in this regard is also important.
14. Appropriate technology with judicious blend of labour and light machinery may be encourage, so long as there is no compromise on quality of construction.
15. Each State should endeavor to construct at least 10 percent of the projects with cost effective alternative technologies. PTAs and STAs have to provide requisite technical support from concept to commissioning of these projects.

Theme 3.

1. Drainage is the principal requirement to ensure good quality and long life for road pavements. Hence, it is necessary to take this into consideration not only during design and construction stages but also during maintenance stage
2. Creation of dedicated and non lapsable State Road Funds for Road Maintenance is to be given priority.
3. Rural Roads maintenance may be contracted out based on performance based specifications. The NRRDA may take a lead in evolving a basic framework with the support of the Indian Roads Congress.
4. Maintenance must be taken up at the right time to increase the service life of the pavements.
5. Guidelines regarding **“when, what and how of maintenance”**, need to be developed.
6. Clear guidelines for prioritization of maintenance interventions should be developed based on simplified system of road condition indices and importance of road. The methodology developed by the ILO for inventory and condition survey of rural roads in Madhya Pradesh may be considered with suitable modifications as necessary by the States.
7. NRRDA has to take initiative in funding research & development of appropriate technologies and procedures for better construction and up - keep of rural roads.
8. Development of GIS based information system for monitoring of rural roads for sustainable system of providing connectivity to the rural India.
9. PIUs are experiencing difficulties in implementation. Training and support from the experts will help them in overcoming these difficulties. There is need to take up strengthening of the operational capacity of the road agencies responsible for rural roads for improving delivery of maintenance works.
10. Calibration and development of various performance models and pavement management system will help in proper monitoring and taking up timely maintenance.
11. Maintenance of rural roads particularly routine maintenance is labour intensive. These requirements atleast in case of non-core roads can be considered as part of rural employment guarantee schemes of the States.
12. A detailed study of funds required for maintenance of rural road on realistic basis is needed in each State, so as to arrive at fund requirements and rational norms for routine and periodic maintenance of different types of pavements in different regions.
13. Preventive maintenance can significantly reduce the future maintenance and rehabilitation cost. The key for this is to identify the appropriate treatment and its timing. There is need to develop guidelines for this.
14. The option of projectizing maintenance in PMGSY may be explored with suitable cost sharing mechanism by centre and states.
15. The Ministry of Rural Development may constitute a Standing Committee on maintenance of rural roads comprising senior officers of the Central and State Governments, a few experts from academia and research agencies to identify implementable strategies in financial, institutional and operational aspects in



our milieu. Best practices-both national and international should be taken into consideration in arriving at menu suitable for India.

***Theme 4-***

1. There is an urgent need for moderation of geometric standards and design options for cost optimization, particularly in difficult terrains and connectivity to low size habitations.
2. The thesis of poverty reduction through PMGSY needs to be validated by scientific bench mark and long term studies.
3. Rural road network planning is to be integrated into overall planning exercise involving all stakeholders.
4. There is need to identify process to synergize the community participation in improving quality, pavement maintenance and road safety.
5. Socio-economic impacts of rural roads may be quantified systematically through scientific studies.

***Special session-***

1. Inadequacy in the trained manpower is affecting the progress of implementation and this needs to be addressed and remedial measures taken.
2. It is necessary to sensitize the community with reference to road safety and asset ownership.
3. It is thought appropriate to adopt E-Procurement in all the States due to its advantage. NRRDA should issue necessary framework guidelines to facilitate the states.
4. Project Management is to be taken seriously at all levels and appropriate MIS is to be put in place for effective implementation of PMGSY.
5. The difficulties in carrying out road construction in difficult areas, particularly hills, call for a thorough study to put in place necessary strategies and techniques.
6. Involvement of senior administrators / engineers will help in meeting the targets, however stiff they may be.
7. Delegation of financial powers at appropriate level will help in quick decision making in the procurement of works.

A **Technical Exposition** to exhibit various materials and machinery etc and showcasing the achievements in the flagship rural roads development programme was also organized alongside the National Conference. Exposition was inaugurated by Hon'ble Minister for Rural Development on 22<sup>nd</sup> May, 2007. The Achievements of PMGSY in the various States was showcased in the Exposition. NABARD, Central Rural Roads Institute, AIMIL, Jute Manufacturers Development Council were amongst the participants in the Exposition.

**10.2. Regional Workshops for Quality Assurance Hand Book for Rural Roads and IRC SP:72.**

A Quality Control Hand Book for Rural Roads was brought out in 2002 covering various tests to be conducted for flexible pavement as a first step towards institutionalizing

quality assurance in the programme implementation. Based on the feedback received from executing agencies etc. and consequent to publication of Specifications for Rural Roads, revisions have been carried out including rationalization of frequencies of mandatory tests. The revised handbook has been entitled as 'Quality Assurance Hand Book for Rural Roads'. IRC SP:72, 'Guidelines for the design of flexible pavements for low volume rural roads' has been issued by IRC. With a view to sensitizing the field engineers about the provisions of these two publications, Regional Workshops were conducted during December, 07 and January, 08 at Thiruvananthapuram, Guwahati and Bhopal.

## **11.0 BUDGET**

The approved revised budget estimates for the financial year 2007-2008 and the expenditure against it is given at **Annexure VI**. The receipts for the year as grant from the Ministry were Rs 72.73 crores, Rs 11.42 crores was Technical Assistance from World Bank carried over from 2006-07 and loan of Rs 4499.99 crores from NABARD in addition to the interest and miscellaneous receipts

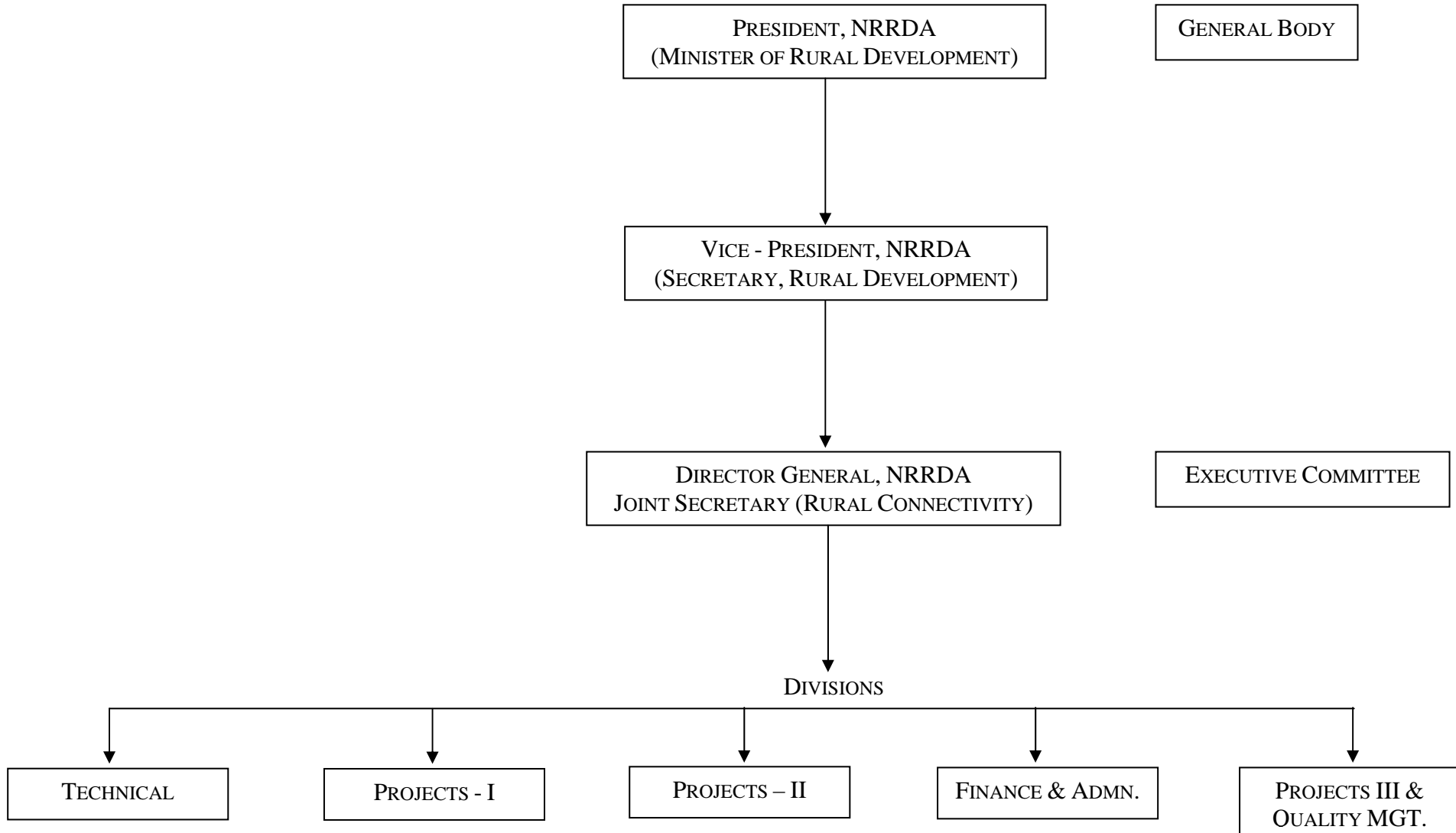
## **12.0 ACCOUNTS & AUDITS**

During the year an expenditure of Rs.73.52 crores was incurred from the funds received from the Government of India including interest payment to NABARD, Rs 9.18 crores under Technical Assistance from World Bank and Rs 4,499.99 crores from the NABARD loan

The accounts of the agency have been audited by M/s. Sandeep Ramnivas Gupta and Company Chartered Accountants appointed for the purpose.

The audited accounts in the form of balance sheet, receipt and payment account, income and expenditure Account, for the year 2007-08 and related notes are enclosed as **Annexure VII(A) (B) (C) (D) and (E)**, respectively

**ORGANISATIONAL STRUCTURE OF NRRDA**



In addition the National Informatics Centre (NIC) provides IT support: Smt. Anubha Goyal, Principal Systems Analyst.

**List of Principal Technical Agencies (PTAs)**

<b>Sl.No</b>	<b>Name of the PTA</b>	<b>States Covered</b>
<b>1.</b>	Central Road Research Institute (CRRI), New Delhi	Union Territories
<b>2.</b>	Indian Institute of Technology, Roorkee	Uttranchal, Uttar Pradesh, Bihar and Jharkhand
<b>3.</b>	Indian Institute of Technology, Mumbai	Maharashtra, Gujarat and Madhya Pradesh
<b>4.</b>	National Institute of Technology, Warangal	Andhra Pradesh, Orissa and Chattisgarh
<b>5.</b>	Birla Institute of Technology and Science, Pilani	Rajasthan, Punjab, Haryana, Jammu & Kashmir & Himachal Pradesh
<b>6.</b>	College of Engineering, Bangalore University, Bangalore	Karnataka, Tamilnadu, Kerala and Goa
<b>7.</b>	Indian Institute of Technology, Kharagpur	North Eastern States of Assam, Arunachal Pradesh, Manipur, Mizoram, Meghalaya, Nagaland, Sikkim, Tripura and West Bengal

## List of State Technical Agencies (STAs)

S.No	State	STAs
1	Andhra Pradesh	(i) National Institute of Technology Warrangal-506004  (ii) J.N.T. University, Kukatpalli Hyderabad-500072  (iii) College of Engineering, Andhra University Visakhapatnam  (iv) University College of Engineering, Osmania University Hyderabad-500007
2	Arunachal Pradesh	(i) North-Eastern Regional Inst. of Science & Technology Nirjuli-791109  (ii) Jorhat Engineering College Jorhat-785007
3	Assam	(i) Indian Institute of Technology Guwahati  (ii) Assam Engineering College, Jalukbari Guwahati-781013
4	Bihar	(i) National Institute of Technology Patna University, Patna- 800005  (ii) Muzaffarpur Institute of Technology Muzaffarpur-842003  (iii) Bhagalpur College of Engineering Bhagalpur-813210
5	Chattisgarh	(i) National Institute of Technology, GE Road. Raipur-492010
6	Goa	College of Engg. Farmagudi-403401
7	Gujarat	National Institute of Technology Ichcharath, Surat-395007
8	Haryana	(i) National Institute of Technology Kurukshetra-136119
9	Himachal Pradesh	National Institute of Technology Hamirpur-177005
10	Jammu & Kashmir	(i) NIT Srinagar-190006 Srinagar, J&K  (ii) Govt. College of Engineering & Technology, Jammu Jammu-Tawai-180001

S.No	State	STAs	
11	Jharkhand	(i) Birla Institute of Technology (ii) National Institute of Technology, Jamshedpur	Mesra-835215 (Ranchi) P.O. -R.I.T. Jamshedpur Pin Code- 831014
12	Karnataka	(i) Bangalore University (ii) National Institute of Technology, Surathkal (iii) P.D.A. College of Engineering, Gulbarga (iv) IR Rasta, Road Institute	Bangalore-560056 P.O. Srinvasnagar, Mangalore-575025 Aiwan-E-Shahi, Station Area, Gulbarga Bangalore-560058, Karnataka
13	Kerala	(i) College of Engineering (ii) National Institute of Technology, Calicut	Trivandrum-695016 Kerala
14	Madhya Pradesh	(i) Maulana Azad National Institute of Technology (ii) Govt. Engineering College (iii) SGS Institute of Technology & Sciences	Bhopal-462007 Jabalpur-482011 Indore
15	Maharashtra	(i) Visvesvaraya National Institute of Technology. (ii) Indian Institute of Technology (iii) Govt college of Engineering, Aurangabad (iv) Govt. College of Engineering, Shivajinagar.	South Ambazariwad, Nagpur-440011 Powai, Mumbai Aurangabad-431005 Pune-05
16	Manipur	National Institute of Technology	Silchar-788010
17	Meghalaya	Indian Institute of Technology	Guwahati
18	Mizoram	Indian Institute of Technology	Kharagpur-721303
19	Nagaland	Jorhat Engineering College	Jorhat-785007

S.No	State	STAs	
20	Orissa	(i) National Institute of Technology (ii) College of Engg. & Technology (iii) University College of Engineering (iv) Indira Gandhi Institute of Technology, Sarang	Rourkela-769008 Bhubaneswar Burla Sarang-759146 Dist- Dhenkanal (Orissa)
21	Punjab	(i) Punjab Engineering College (ii) Giani Zail Singh College of Engg. & Tech. (iii) Thapar Institute of Engineering & Tech.	Sector-12, Chandigarh-160012 Dabwali Road, Bhatinda-151001 Patiala-147004
22	Rajasthan	(i) Malaviya National Institute of Technology (ii) MBM Engineering College (iii) University College of Engineering, Rajasthan Technical University	Jaipur-302017 Jodhpur-342011 Kota-324010
23	Sikkim	Govt. Engineering College	Jalpaiguri-735102
24	Tamil Nadu	National Institute of Technology	Tiruchirapalli-620015
25	Tripura	National Institute of Technology	Agartala-799055
26	Uttar Pradesh	(i) MNNIT Engineering College (ii) Indian Institute of Technology (iii) Kamla Nehru Institute of Technology (iv) Hurcourt Butler Technological Institute (v) Institute of Engineering & Technology (vi) Institute of Technology, Banaras Hindu University	Allahabad-211004 Roorkee-247667 Sultanpur-228118 Kanpur Sitapur Road, Luknow-226021 Varanasi-221005
27	Uttaranchal	Indian Institute of Technology	Roorkee-247667

S.No	State	STAs	
28	West Bengal	(i) Indian Institute of Technology (ii) Govt. Engineering College (iv) Bengal Engineering and Science University, Shibpur (v) Jadavpur University	Kharagpur-721302 Jalpaiguri-735102 Howrah-711103 S C Mallik Road, Kolkata- 700032



## Annexure -IV

## Proposals cleared under PMGSY during 2005-06, 2006-07 and 2007-08.

#	State	2005-06				2006-07				2007-08			
		Value in Crores	No of road Works	Length in Km	Habitat ions Covered	Value in Crores	No of road Works	Length in Km	Habitat ions Covered	Value in Crores	No of road Works	Length in Km	Habitat ions Covered
1	Andhra Pradesh	369.24	607	2638.84	0	350.212	340	1829.32	2	527.57	366	2071.63	0
2	Arunachal Pradesh	106.22	64	340.041	72	413.028	116	898.605	81				
3	Assam	927.01	486	2060.51	1272	1548.598	417	2853.395	2518	570.12	139	984.27	607
4	Bihar	733.01	252	2291.92		1483.69	430	3703.55	723	3231.41	1531	7624.82	2266
5	Chattisgarh	1035.73	990	4467.5	2182	1102.27	924	3847.94	1690	1978.06	1251	6836.67	2335
6	Goa												
7	Gujarat	121.38	370	763.72	348	224.02	449	1298.66	340	235.46	390	1362.23	230
8	Haryana	84.25	26	361.93	0	199.64	47	618.83	0	446.82	108	1085.23	0
9	Himachal Pradesh	279.81	210	1234.71	575	968.64	639	4559.746	977	366.37	165	1564.97	146
10	Jammu & Kashmir					676.81	251	1566.17	465	184.64	25	334.55	0
11	Jharkhand	113.78	102	479.395	277					499.49	353	1679.78	593
12	Karnataka	212.05	190	1273.26	0	422.42	256	2114.57	0	633.75	313	2450.06	0
13	Kerala					48.43	84	163.919	61	294.21	322	733.27	0
14	Madhya Pradesh	1114.32	1191	5625.67	1724	3152.12	2971	13088.74	4190	3395.17	2953	12083.40	1702
15	Maharashtra					1107.92	1559	6079.08	258	1475.48	441	4626.21	47
16	Manipur					152.23	59	556.19	93				
17	Meghalaya	30.05	30	93.101	30	39.6153	26	105.591	38				
18	Mizoram	121.99	34	494.13	21					147.15	30	399.40	35
19	Nagaland	70.2	23	390.38	28					126.26	29	467.00	14
20	Orissa	983.726	827	3351.69	1040	1093.65	851	3121.37	1082	2670.21	1689	6617.05	2069

21	Punjab					569.26	119	1525.16	0	344.21	63	763.90	0
22	Rajasthan	976.17	1579	5445.63	1815	1833.02	3634	10768.2	4085	2916.33	2321	14546.99	1763
23	Sikkim	63.1	34	144.49	53	149	67	323.27	80	94.08	39	206.73	33
24	Tamil Nadu					174.31	379	849.23	398				
25	Tripura	39.58	36	80.92	36	525.2063	266	861.362	713	703.11	332	1148.71	706
26	Uttar Pradesh	1007.76	2301	4230.69	2659	2289.76	2881	8093.773	2700	2177.76	817	6364.42	83
27	Uttaranchal	103.34	79	595.47	197	203.04	102	890.31	189	236.88	94	790.61	179
28	West Bengal	625.61	284	1974.85	1788	657.78	236	1692.79	1807	1119.96	444	3035.80	2044
<b>Total</b>		<b>9118.33</b>	<b>9715</b>	<b>38338.85</b>	<b>14117</b>	<b>19384.67</b>	<b>17103</b>	<b>71409.77</b>	<b>22490</b>	<b>24374.50</b>	<b>14215</b>	<b>77777.69</b>	<b>14852</b>

**State-wise Statement of Quality Grading  
July, 2004 to March 2008**

#	State	Total Works	Grading						ATRs in respect of Unsatisfactory	
			Completed Works			Ongoing Works			ATR Required	ATR Accepted
			Total	S	U	Total	S	U		
1	Andhra Pradesh	1387	679	643	36	708	658	50	591	449
2	Arunachal Pradesh	149	73	28	45	76	67	9	86	51
3	Assam	952	156	136	20	796	632	164	408	169
4	Bihar	412	171	42	129	241	58	183	312	157
5	Bihar (NEA)	532	61	54	7	471	325	146	288	133
6	Chhattisgarh	1157	410	363	47	747	575	172	440	278
7	Gujarat	773	393	355	38	380	329	51	363	252
8	Goa	0	0	0	0	0	0	0	0	0
9	Haryana	173	55	51	4	118	110	8	87	23
10	Himachal Pradesh	677	164	142	22	513	297	216	281	99
11	Jammu & Kashmir	216	12	5	7	204	115	89	126	96
12	Jharkhand	634	199	131	68	435	294	141	404	255
13	Karnataka	1069	421	389	32	648	567	81	393	250
14	Kerala	338	85	79	6	253	193	60	155	74
15	Madhya Pradesh	2518	746	734	12	1772	1707	65	864	673
16	Maharashtra	1358	385	343	42	973	793	180	668	299
17	Manipur	147	36	20	16	111	70	41	84	37
18	Meghalaya	190	35	21	14	155	51	104	123	14
19	Mizoram	194	46	20	26	148	92	56	108	39
20	Nagaland	83	25	3	22	58	26	32	70	30
21	Orissa	1838	608	544	64	1230	777	453	755	421
22	Punjab	407	120	106	14	287	221	66	128	65
23	Rajasthan	2785	1400	1383	17	1385	1362	23	732	678
24	Sikkim	165	27	23	4	138	101	37	87	47
25	Tamil Nadu	1182	408	258	150	774	407	367	574	119
26	Tripura	145	44	31	13	101	47	54	72	7
27	Uttar Pradesh	3439	1645	1340	305	1794	1144	650	1189	644
28	Uttaranchal	366	53	34	19	313	140	173	220	0
29	West Bengal	1273	459	403	56	814	647	167	364	141
	<b>Total</b>	<b>24559</b>	<b>8916</b>	<b>7681</b>	<b>1235</b>	<b>15643</b>	<b>11805</b>	<b>3838</b>	<b>9972</b>	<b>5500</b>

**Actual Expenditure 2007-08**

<b>Object Head &amp; Purpose</b>	<b>RE 2007-08</b>	<b>Actuals upto March 2008</b>	<b>variation excess/ (savings)</b>
<b>1.Receipts</b>			
Opening Balance			
- MoRD Grant	15,814,932	15,814,932	
- World Bank- TA	114,174,208	114,174,208	
- Interest			
1.1.01 Grant from MoRD	100,000,000	100,000,000	
1.1.02 Interest Income	2,971,363	3,185,319	
1.1.03 Miscellaneous Receipts	164,732	164,782	
1.1.04 Receipts from GOI -World Bank (T.A)			
1.1.05 Receipts from GOI-ADB	0		
1.1.06 Loan receipt from NABARD	45,000,000,000	44,999,998,000	
1.1.07 Receipt from GOI- Repayment to NABARD			
1.1.08 Receipt from GOI- Interest to NABARD	857,279,933	647,279,933	
<b>Total Receipts</b>	<b>46,090,405,168</b>	<b>45,880,617,174</b>	
<b>2. Expenditure</b>			
<b>(1.2.1) Establishment</b>			
(1.2.1.01) Salary and Allowance	6,294,075	5,355,192	(938883)
(1.2.1.02) Wages			0
(1.2.1.03) Overtime Allowances	29,950	19,800	(10150)
(1.2.1.04) Expenditure on Medical Claims	300,000	272,926	(27074)
(1.2.1.05) Leave Encashment	0		0
<b>Total Establishment</b>	<b>6,624,025</b>	<b>5,647,918</b>	(976107)
			0
<b>(1.2.2) Administrative Expenses</b>			0
(1.2.2.01) Office Maintenance/Taxes and Duties	1,700,000	1,692,771	(7229)
(1.2.2.02) Domestic Travel Expenses	2,500,000	2,200,374	(299626)
(1.2.2.03) Foreign Travel Expenses	150,000	149,572	(428)
(1.2.2.04) Hiring of Vehicles	1,400,000	1,444,548	44548
(1.2.2.05) Printing and Stationary	600,000	570,630	(29370)
(1.2.2.6) Meetings Expenses	500,000	287,837	(212163)
(1.2.2.07) Professional Services to the office	9,200,000	9,182,162	(17838)
(1.2.2.08) Telephone- Office	580,000	607,085	27085
(1.2.2.9) Telephone- Residential & Mobile	201,000	198,651	(2349)
(1.2.2.10) Vehicle Maintenance	240,000	223,556	(16444)
(1.2.2.11) Electricity Expenses	742,000	662,821	(79179)
(1.2.2.12) Postage Expenses	550,000	675,910	125910
(1.2.2.13)Repairs and Maintenance	820,000	860,381	40381
(1.2.2.14) Insurance Charges	10,000		(10000)
(1.2.1.12) Other office expenses	14,000,000	18,935,215	4935215
<b>Total Administrative Expenses</b>	<b>33,193,000</b>	<b>37,691,513</b>	4498513
			0
<b>(1.2.3) R&amp;D and HRD</b>			0
(1.2.3.01) Training	1,000,000	443,169	(556831)
(1.2.3.02) Tech.Dev.and Research work	600,000	600,000	0
(1.2.3.03) Workshops and Conferences	13,000,000	13,459,941	459941
(1.2.3.04) Contribution to Professional bodies	300,000	235,900	(64100)
(1.2.3.05) Professsional Services	2,600,000	1,964,731	(635269)
<b>Total R&amp;D and HRD</b>	<b>17,500,000</b>	<b>16,703,741</b>	(796259)
(1.2.4.01) Publications	5,000,000	4,659,532	(340468)
(1.2.4.02) Advertisement and Publicity	2,000,000	1,521,539	(478461)
(1.2.4.03) Books Perio.and Audio Visual Mat.	800,000	602,855	(197145)

<b>Total Publications, Adv and Publicity</b>	<b>7,800,000</b>	<b>6,783,926</b>	(1016074)
			0
<b>(1.2.5) STAs, PTAs and NQMs</b>			0
(1.2.5.01) Honararium to NQMs	8,531,646	8,043,060	(488586)
(1.2.5.02) Travelling Expenses of NQM's	8,816,971	9,301,967	484996
(1.2.5.03) Payment to Principal Technical Agencies.	0		0
(1.2.5.04) Payment to State Technical Agencies	15,000,000	26,415,676	11415676
<b>Total STAs, PTAs and NQMs</b>	<b>32,348,617</b>	<b>43,760,703</b>	<b>11412086</b>
			0
<b>(1.2.6) OMMS and Computerization</b>			0
(1.2.6.01) Dev.and Maint.of online manag.sys.	7,000,000	5,986,254	(1013746)
(1.2.6.02) Hiring of computers and peripherals			0
			0
<b>Total OMMS and Computerization</b>	<b>7,000,000</b>	<b>5,986,254</b>	<b>(1013746)</b>
			0
<b>(1.2.7) Technical assistance from World Bank</b>			0
(1.2.7.01) Training	16,658,359	16,395,542	(262817)
(1.2.7.02) Pilot Studies	4,647,636	4,647,636	0
(1.2.7.03) Workshop and Conferences			0
(1.2.7.04) Professional Services	513,495	513,495	0
(1.2.7.05) Domestic Travel Expenses			0
(1.2.7.06) Foreign Travel Expenses	12,853,456	12,845,118	(8338)
(1.2.7.07) Laboratory Equipment	61,006,780	55,109,845	(5896935)
(1.2.7.01.08) Purchase of Computers and Peripherils	2,360,120	2,360,120	0
			0
<b>Total Technical assistance from World Bank</b>	<b>98,039,846</b>	<b>91,871,756</b>	<b>(6168090)</b>
			0
<b>(1.2.8) Technical assistance from ADB</b>			0
(1.2.8.01) Consultancy	17,100,000	15,756,298	(1343702)
(1.2.8.02) Others			0
			0
<b>Total Technical assistance from ADB</b>	<b>17,100,000</b>	<b>15,756,298</b>	<b>(1343702)</b>
			0
<b>(1.2.9) World Bank Loan</b>			0
(1.2.9.01) Capacity Building	10,000,000	4,067,836	(5932164)
			0
<b>Total World Bank Loan</b>	<b>10,000,000</b>	<b>4,067,836</b>	<b>(5932164)</b>
			0
<b>(1.3.) Loan- NABARD</b>			0
(1.3.01) Transfer of Funds to States	45,000,000,000	44,999,998,000	(2000)
(2.3.1) Interest repayment to NABARD	603,361,759	597,914,916	(5446843)
(2.3.2) Principal Repayment			0
<b>Total Loan -NABARD</b>	<b>45,603,361,759</b>	<b>45,597,912,916</b>	<b>(5448843)</b>
			0
<b>(2.2) Capital Expenditure</b>			0
(2.2.01) Purchase/renovation of Office Area	0	0	0
(2.2.02) Furniture and Furnishing of the office	170,000	110,243	(59757)
(2.2.03) Purchase of Vehicles			0
(2.2.04) Purchase of Equipments & Machinery	203,000	229,388	26388
(2.2.05) Purchase of Computers & peripherals	400,000	535,048	135048
<b>Total Capital Expenditure</b>	<b>773,000</b>	<b>874,679</b>	<b>101679</b>
			0
			0
<b>Total Expenditure</b>	<b>45,833,740,247</b>	<b>45,827,057,540</b>	<b>(6682707)</b>

NATIONAL RURAL ROADS DEVELOPMENT AGENCY  
5th Floor, 15 NBCC Tower, Bhikaji Cama Place, New Delhi.  
BALANCE SHEET AS AT 31st MARCH 2008

(Amount - Rs.)

<b><u>CAPITAL FUND AND LIABILITIES</u></b>	<b>Schedule</b>	<b>Current Year</b>	<b>Previous Year</b>
Capital Fund	1	65,906,903.00	73,473,238.00
General Fund	2	71908159.29	208,613,517.08
Loan from NABARD		44,999,998,000.00	-
Current Liabilities and Provisions	3	212,189,836.00	7,215,300.30
<b>Total (Rs.)</b>		<b>45,350,002,898.29</b>	<b>289,302,055.38</b>
<b><u>FIXED ASSETS</u></b>			
Gross Block	4	110,776,895.00	109,877,343.00
Less:- Accumulated Depreciation		44,869,992.00	36,404,105.00
Net Block		65,906,903.00	73,473,238.00
Current Assets, Loans and Advances	5	284,097,995.29	215,828,817.38
Grant-in-Aid Disbursed to States (Pending for Utilisation)		44,999,998,000.00	-
<b>TOTAL (Rs.)</b>		<b>45,350,002,898.29</b>	<b>289,302,055.38</b>
Significant Accounting Policies	12		
Contingent Liabilities and Notes on Accounts	13		

Annexure to our report of even date  
**For SANDEEP RAMNIWAS GUPTA & CO.**  
Chartered Accountants

**For National Rural Roads Development Agency**

**(SANDEEP GUPTA) - FCA**  
M. No.-075269  
Partner  
Date:  
Place: Ghaziabad

**(Gargi Kaul)**  
Director (F&A)

**(J .K Mohapatra)**  
Director General

NATIONAL RURAL ROADS DEVELOPMENT AGENCY, NEW DELHI

**SCHEDULE-12**

**SIGNIFICANT ACCOUNTING POLICIES**

1. Significant Accounting Policies adopted in the presentation of the accounts are as under:-

**a. Accounting Policies (AS-1)**

During the year the Agency has followed accrual accounting with applicable accounting principles in India, the accounting standard issued by the ICAI and relevant provisions.

**b. Fixed Assets (AS-10)**

Fixed assets are stated at cost less Depreciation. Cost comprises cost of acquisition, cost of improvement and any attributable cost of bringing the asset to condition of its intended use.

**c. Depreciation (AS-6)**

Depreciation has been provided on written down value method at the rate as prescribed in Income tax Act, 1961

**d. Grant (AS-12)**

Grant in Aid are received for the specific purposes i.e. Revenue and purchase of Fixed Assets.

The accounting treatment of Revenue is recognized on a systemic basis in the Income and Expenditure account over the period necessary to match with the related costs which are intended to be utilized. Such grant is shown separately as Grant-in Aid under income head.

The accounting treatment of grant for the purchase of depreciable Fixed Assets are shown under capital fund. Such grant is allocated to income over the period and in the proportion in which depreciation to these assets is charged.

**For Sandeep Ramniwas Gupta & Co.  
Chartered Accountants**

**National Rural Roads Development Agency**

**(Sandeep Gupta) - FCA**  
Partner  
Place:- Ghaziabad  
Dated:-

**Director (F&A)**

**Director General**

## NATIONAL RURAL ROADS DEVELOPMENT AGENCY, NEW DELHI

**SCHEDULE-13****NOTES TO ACCOUNTS**

1. National Rural Roads Development Agency is a society registered under the Societies Registration Act on 14-01-2002. The Agency received Grant-in-aid and assistance from Ministry of Rural Development, Government of India and World Bank.
2. During the year, The Agency received loan of Rs. 4499,99,98,000.00 (with interest payable @6.5% p.a.) from National Bank for Agricultural and Rural Development (NABARD) under a tri-partite agreement of Ministry of Rural Development, National Rural Road Development Agency and NABARD under Rural Infrastructure Development Fund (RIDF) towards payment for works taken up under Pradhan Mantri Gram Sadak Yojana (PMGSY). The said loan was disbursed as Grant-in-aid to various States during the year. The Utilization Certificates are yet to be received from various States.
3. The Agency has paid interest of Rs.59,79,14,916/- to NABARD during the year out of grant received from Ministry of Rural Development against loan taken of Rs.44,99,99,98,000.00.
4. Office accommodation of Rs.7,88,30,479/- is yet to be registered before the Authority. The Sub Lease Deed is pending with Land and Development Officer, Ministry of Urban Development, Nirman Bhawan, New Delhi.
5. Sundry Debtors / Loans and Advance in the nature of loans given and advance received are subject to Confirmation and Reconciliation.
6. Advance Payment amounting to Rs.70,63,193/-, Rs.9,40,440/-, Rs.4,20,166/-, Rs.8,80,000/- on account of Technical Development and Research Work, Work Shop and Conference, Equipments, Payments to State Technical Agency respectively is shown as outstanding under the head "Advances and other amounts recoverable in cash or in kind or for value to be received" due to non receipt of Utilization Certificates.

**For Sandeep Ramniwas Gupta & Co.**  
**Chartered Accountants**

**National Rural Roads Development Agency**

**(Sandeep Gupta) –FCA**  
**Partner**  
Place:-Ghaziabad

**Director (F&A)**

**Director General**

**Dated:-**



**NATIONAL RURAL ROADS DEVELOPMENT AGENCY**

5th Floor , 15 NBCC Tower, Bhikaji Cama Place, New Delhi

**INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2008**

	FUND-WISE BREAK UP			TOTALS	
	NABARD	MoRD	MoRD (WORLD BANK)	Current Year	Previous Year
<b>INCOME</b>					
Grant Received	647,279,933.00	100,000,000.00	-	747,279,933.00	80,000,000.00
Interest Received	-	983,095.11	2,502,224.29	3,485,319.40	5,637,731.03
Misc. Receipt	-	24,648.00	81,544.00	106,192.00	99,262.00
Capital Fund Written back to the extent of Depreciation	-	8,465,887.00	-	8,465,887.00	10,426,118.00
<b>TOTAL (A)</b>	<b>647,279,933.00</b>	<b>109,473,630.11</b>	<b>2,583,768.29</b>	<b>759,337,331.40</b>	<b>96,163,111.03</b>
<b>EXPENDITURE</b>					
Establishment Expenses	-	4,646,192.00	-	4,646,192.00	5,563,912.00
Technical Assistance Expenses	-	-	156,680,552.08	156,680,552.08	104,107,012.74
Direct Administrative Expenses	-	127,435,590.15	-	127,435,590.15	137,940,437.76
Depreciation	-	8,465,887.00	-	8,465,887.00	10,426,118.00
Interest paid to NABARD	597,914,916.00	-	-	597,914,916.00	-
<b>TOTAL ( B )</b>	<b>597,914,916.00</b>	<b>140,547,669.15</b>	<b>156,680,552.08</b>	<b>895,143,137.23</b>	<b>258,037,480.50</b>
Balance being Excess of Income/Exp.over Exp./Income (A-B)	49,365,017.00	(31,074,039.04)	(154,096,783.79)	(135,805,805.83)	(53,422,816.35)
Transferred to Capital Fund	-	899,552.00	-	899,552.00	1,067,042.00

<b>Transferred to/from General Fund</b>	<b>49,365,017.00</b>	<b>(31,973,591.04)</b>	<b>(154,096,783.79)</b>	<b>(136,705,357.83)</b>	<b>(54,489,858.35)</b>
<p><b>AS PER OUR REPORT OF EVEN DATE</b>  <b>For SANDEEP RAMNIWAS GUPTA &amp; CO.</b>  Chartered Accountants</p> <p><b>(SANDEEP GUPTA) - FCA</b>  Partner  M.No.-075269  Date :  Place : Ghaziabad</p>					
<p><b>FOR NATIONAL RURAL ROADS DEVELOPMENT AGENCY</b></p> <p><b>(Gargi Kaul )</b>  DIRECTOR (F&amp;A)</p> <p><b>(J.K Mohapatra)</b>  DIRECTOR GENERAL</p>					

**NATIONAL RURAL ROADS DEVELOPMENT AGENCY**  
**5th Floor , 15 NBCC Tower, Bhikaji Cama Place, New Delhi**  
**RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31st MARCH 2008**

-	FUND-WISE BREAK UP			TOTALS	
	NABARD	MoRD	MoRD (WORLD BANK)	Current Year	Previous Year
<b>Receipts</b>					
<b>a) Opening balance of the funds</b>	-	15,858,699.07	114,174,207.86	130,032,906.93	237,402,288.79
<b>b) Fund Received during the year :</b>					
i) Donations/grants	647,279,933.00	100,000,000.00	-	747,279,933.00	80,000,000.00
ii) Loan received from NABARD	44,999,998,000.00	-	-	44,999,998,000.00	
iii) Fund transfer from a/c 2971 to 3152		24,000,000.00		24,000,000.00	
iv) Income from Investments made on account of fund	-	683,095.11	2,502,224.29	3,185,319.40	5,837,731.03
v) Misc. Receipt	-	24,648.00	81,544.00	106,192.00	99,262.00
<b>TOTAL (a+b)</b>	<b>45,647,277,933.00</b>	<b>140,566,442.18</b>	<b>116,757,976.15</b>	<b>45,904,602,351.33</b>	<b>323,339,281.82</b>
<b>Payments</b>					
<b>c) Payments made during the Year:</b>					
<b>i) Capital Expenditure</b>					
- fixed Assets purchased	-	899,552.00	-	899,552.00	1,067,042.00

<b>ii) Revenue Expenditure (Schedule-9 &amp; 10)</b>	-	132,081,782.15	156,680,552.08	288,762,334.23	247,611,362.50
<b>iii) Grant in Aid tfd to States</b>	44,999,998,000.00	-	-	44,999,998,000.00	-
<b>iv) Interest paid to NABARD</b>	597,914,916.00	-	-	597,914,916.00	-
iii) Fund transfer from a/c 2971 to 3152		-	24,000,000.00	24,000,000.00	
<b>TOTAL ( c )</b>	<b>45,597,912,916.00</b>	<b>132,981,334.15</b>	<b>180,680,552.08</b>	<b>45,911,574,802.23</b>	<b>248,678,404.50</b>
INCREASE/ DECREASE IN CURRENT ASSETS(Sch-11)		(339,386.00)	(65,873,016.45)	(66,212,402.45)	(53,422,816.35)
INCREASE/ DECREASE IN CURRENT LIABILITIES(Sch-11)	210,320,000.00	(4,595,978.26)	(749,486.00)	204,974,535.74	1,949,213.26
<b>NET BALANCE AS AT THE YEAR-END</b>	<b>259,685,017.00</b>	<b>3,328,515.77</b>	<b>1,200,954.52</b>	<b>264,214,487.29</b>	<b>130,032,906.93</b>

**AS PER OUR REPORT OF EVEN DATE**  
**For SANDEEP RAMNIWAS GUPTA & CO.**  
Chartered Accountants

**NATIONAL RURAL ROADS DEVELOPMENT AGENCY**

**(SANDEEP GUPTA) - FCA**  
Partner  
M.No.-075269  
Date :  
Place : Ghaziabad

**(Gargi Kaul )**  
DIRECTOR (F&A)

**(J.K Mohapatra)**  
DIRECTOR GENERAL

Revised Estimates 2008-2009

Object Head & Purpose	BE 2008-09	Actuals upto August 2008	required amount	RE 2008-09	variation excess/ (savings)	Reasons for variation
<b>1.Receipts</b>						
Opening Balance						
- MoRD Grant	9,356,236	4,529,471	0	4,529,471	-4,826,765	As per actuals
- World Bank- TA	0		0	0	0	
- Interest	253,918,174	259,685,000	0	259,685,000	5,766,826	As per actuals
1.1.01 Grant from MoRD	120,000,000	60,000,000	60,000,000	120,000,000	0	
1.1.02 Interest Income		216,465	0	216,465	216,465	
1.1.03 Miscellaneous Receipts	20,000,000	10,300,038	0	10,300,038	-9,699,962	TA money was utilised and not refunded as anticipated
1.1.04 Receipts from GOI -World Bank			100,000	100,000	100,000	Not provided for in the BE- part of Grant
1.1.05 Receipts from GOI-ADB	25,500,000	0	0	27,500,000	2,000,000	
1.1.06 Loan receipt from NABARD	70,000,000,000	3,085,610,900	66,914,389,100	70,000,000,000	0	
1.1.07 Receipt from GOI- Repayment to NABARD					0	
1.1.08 Receipt from GOI- Interest to NABARD	6,183,753,059	464,777,575	3,622,611,965	4,087,389,540	-2,096,363,519	
<b>Total Receipts</b>	<b>76,612,527,469</b>	<b>3,885,119,449</b>	<b>70,597,101,065</b>	<b>74,509,720,514</b>	<b>-2,102,806,955</b>	
<b>2. Expenditure</b>						
<b>(1.2.1) Establishment</b>						
(1.2.1.01) Salary and Allowance	5,000,000	2,593,621	4,686,894	7,280,515	2280515	Pay commision imapct, including arrears for officers who have left.
(1.2.1.02) Wages					0	
(1.2.1.03) Overtime Allowances	20,000	4,901	15,099	20,000	0	
(1.2.1.04) Expenditure on Medical Claims	300,000	463,143	136,857	600,000	300000	Increase on account of surgery of one officer
(1.2.1.05) Leave Encashment	0			0	0	
<b>Total Establishment</b>	<b>5,320,000</b>	<b>3,061,665</b>	<b>4,838,850</b>	<b>7,900,515</b>	<b>2580515</b>	
<b>( 1.2.2) Administrative Expenses</b>						
(1.2.2.01) Office Maintenance/Taxes and Duties	1,800,000	817,481	1,182,519	2,000,000	200000	
(1.2.2.02) Domestic Travel Expenses	2,500,000	552,481	1,947,519	2,500,000	0	
(1.2.2.03) Foreign Travel Expenses	500,000	0	150,000	150,000	(350000)	
(1.2.2.04) Hiring of Vehicles	1,520,000	675,434	945,608	1,621,042	101042	As per actuals upto august
(1.2.2.05) Printing and Stationary	800,000	301,282	298,718	600,000	(200000)	
(1.2.2.6) Meetings Expenses	500,000	253,536	246,464	500,000	0	
(1.2.2.07) Professional Services to the office	10,500,000	4,314,029	6,185,971	10,500,000	(0)	
(1.2.2.08) Telephone- Office	650,000	286,471	401,059	687,530	37530	Increase of staff, CDAC team who have to interact with all the Stat
(1.2.2.9) Telephone- Residential & Mobile	250,000	52,053	77,947	130,000	(120000)	
(1.2.2.10) Vehicle Maintenance	300,000	108,019	156,981	265,000	(35000)	
(1.2.2.11) Electricity Expenses	800,000	356,246	498,744	854,990	54990	As per actuals.
(1.2.2.12) Postage Expenses	600,000	190,085	266,119	1,656,204	1056204	On account of courier charges for despatch of manuals to all PIUs
(1.2.2.13)Repairs and Maintenance	900,000	347,200	486,080	833,280	(66720)	
(1.2.2.14) Insurance Charges	10,000		0	0	(10000)	
(1.2.1.12) Other office expenses	1,500,000	566,022	933,978	1,500,000	(0)	
<b>Total Administrative Expenses</b>	<b>23,130,000</b>	<b>8,820,339</b>	<b>13,777,707</b>	<b>23,798,046</b>	<b>668046</b>	
<b>(1.2.3) R&amp;D and HRD</b>						
(1.2.3.01) Training	5,000,000	387,068	4,612,932	5,000,000	0	
(1.2.3.02) Tech.Dev.and Research work	8,000,000	222,852	5,000,000	5,222,852	(2777148)	
(1.2.3.03) Workshops and Conferences	5,000,000	1,135,951	1,614,049	2,750,000	(2250000)	
(1.2.3.04) Contribution to Professional bodies	300,000	160,000	140,000	300,000	0	
(1.2.3.05) Professional Services	16,000,000	908,240	11,242,520	12,150,760	(3849240)	
<b>Total R&amp;D and HRD</b>	<b>34,300,000</b>	<b>2,814,111</b>	<b>22,609,501</b>	<b>25,423,612</b>	<b>(8876388)</b>	
<b>(1.2.4) Publications, Adv.&amp; Publicity</b>						
					0	
					0	

Object Head & Purpose	BE 2008-09	Actuals upto August 2008	required amount	RE 2008-09	variation excess/ (savings)	Reasons for variation
(1.2.4.01) Publications	2,000,000	10,112	1,289,888	1,300,000	(700000)	
(1.2.4.02) Advertisement and Publicity	2,000,000	44,774	65,226	110,000	(1890000)	
(1.2.4.03) Books Perio.and Audio Visual Mat.	1,000,000	0	100,000	100,000	(900000)	
<b>Total Publications, Adv and Publicity</b>	<b>5,000,000</b>	<b>54,886</b>	<b>1,455,114</b>	<b>1,510,000</b>	<b>(3490000)</b>	
					0	
<b>(1.2.5) STAs, PTAs and NQMs</b>					0	
(1.2.5.01) Honararium to NQMs	8,000,000	3,153,799	4,946,201	8,100,000	100000	increase in the number sof NQM's and inspection/
(1.2.5.02) Travelling Expenses of NQM's	8,600,000	3,892,218	6,107,782	10,000,000	1400000	national quality graders for Bihar
(1.2.5.03) Payment to Principal Technical Agencies.	700,000	0	0	0	(700000)	
(1.2.5.04) Payment to State Technical Agencies	45,000,000	10,525,170	22,000,000	33,025,170	(11974830)	
<b>Total STAs, PTAs and NQMs</b>	<b>62,300,000</b>	<b>17,571,187</b>	<b>33,053,983</b>	<b>51,125,170</b>	<b>(11174830)</b>	
					0	
<b>(1.2.6) OMMS and Computerization</b>					0	
(1.2.6.01) Dev.and Maint.of online manag.sys.	8,500,000	0		14,790,600	6290600	Under provision at the BE stage
(1.2.6.02) Hiring of computers and peripherals					0	
<b>Total OMMS and Computerization</b>	<b>8,500,000</b>	<b>0</b>	<b>0</b>	<b>14,790,600</b>	<b>6290600</b>	
					0	
<b>(1.2.7) Technical assistance from World Bank</b>					0	
(1.2.7.01) Training		0	0		0	
(1.2.7.02) Pilot Studies		0	0		0	
(1.2.7.03) Workshop and Conferences		0	0		0	
(1.2.7.04) Professional Services		0	0		0	
(1.2.7.05) Domestic Travel Expenses		0	0		0	
(1.2.7.06) Foreign Travel Expenses		0	0		0	
(1.2.7.07) Laboratory Equipment		0	0		0	
(1.2.7.01.08) Purchase of Computers and Peripherils		0	0		0	
<b>Total Technical assistance from World Bank</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
					0	
<b>(1.2.8) Technical Assistance from ADB</b>					0	
(1.2.8.01) Consultancy	25,500,000	5,147,138	22,352,862	27,500,000	2000000	Actual expenditure is less as PMC contract has been closed
(1.2.8.02) Others					0	but a isputed lialibly of Rs 1 crore is to be decided. A provision
<b>Total Technical Assistance from ADB</b>	<b>25,500,000</b>	<b>5,147,138</b>	<b>22,352,862</b>	<b>27,500,000</b>	<b>2000000</b>	has been made
					0	
<b>(1.2.9) World Bank Loan</b>					0	
(1.2.9.01) Capacity Building	10,000,000	0	10,000,000	10,000,000	0	
<b>Total World Bank Loan</b>	<b>10,000,000</b>	<b>0</b>	<b>10,000,000</b>	<b>10,000,000</b>	<b>0</b>	
					0	
<b>(1.3.) Loan- NABARD</b>					0	
(1.3.01) Transfer of Funds to States	70,000,000,000	3,085,610,900	66,914,389,100	70,000,000,000	0	
(2.3.1) Interest repayment to NABARD	6,437,671,233	729,246,543	3,617,827,997	4,347,074,540	(2090596693)	
(2.3.2) Principal Repayment					0	
<b>Total Loan -NABARD</b>	<b>76,437,671,233</b>	<b>3,814,857,443</b>	<b>70,532,217,097</b>	<b>74,347,074,540</b>	<b>(2090596693)</b>	
					0	
<b>(2.2) Capital Expenditure</b>					0	
(2.2.01) Purchase/renovation of Office Area	0	0	0	0	0	
(2.2.02) Furniture and Furnishing of the office	50,000	234,800	100,000	334,800	284800	Redesigning of rooms to accommodate more staff/CDAC team
(2.2.03) Purchase of Vehicles					0	and to provide storage space
(2.2.04) Purchase of Equipments & Machinery	200,000	13,438	56,562	70,000	(130000)	
(2.2.05) Purchase of Computers & peripherals	500,000	423,685	200,000	623,685	123685	upgradation of old hardware and procurement of additional

Object Head & Purpose	BE 2008-09	Actuals upto August 2008	required amount	RE 2008-09	variation excess/ (savings)	Reasons for variation
Total Capital Expenditure	750,000	671,923	356,562	1,028,485	278485	machines for new officers/staff/CDAC team
Total Expenditure	76,612,471,233	3,852,998,692	70,640,661,675	74,510,150,967	(2102320266)	
Excess/savings	56,236			-430,453		

### Quality Grading of Road Works by NQMs - July, 2004 to July, 2008

#	State	Inspections	Completed		On-going		ATR	
			Total	U%	Total	U%	Req.	Sub.
1	Andhra Pradesh	1141	617	6%	524	5%	491	452
		343	94	1%	249	13%	144	87
2	Arunachal Pradesh	92	62	32%	30	23%	60	49
		71	12	8%	59	2%	38	26
3	Assam	694	128	16%	566	18%	262	211
		335	39	3%	296	7%	183	67
4	Bihar	412	171	75%	241	76%	312	162
5	Bihar (NEA)	254	15	0%	239	22%	109	89
		312	46	9%	266	13%	168	106
6	Chattisgarh	896	368	8%	528	21%	322	278
		347	54	11%	293	15%	163	52
7	Gujarat	611	324	10%	287	15%	300	252
		212	91	5%	121	14%	103	35
8	Goa	0	0	0%	0	0%	0	0
		0	0	0%	0	0%	0	0
9	Haryana	75	27	11%	48	10%	25	23
		112	30	3%	82	6%	71	4
10	Himachal Pradesh	560	142	15%	418	48%	236	108
		187	39	3%	148	9%	73	5
11	Jammu & Kashmir	137	9	78%	128	63%	88	69
		123	9	0%	114	8%	61	34
12	Jharkhand	532	185	35%	347	31%	339	262
		124	19	0%	105	10%	80	32
13	Karnataka	895	386	2%	509	4%	323	296
		220	46	2%	174	4%	77	49
14	Kerala	264	79	0%	185	11%	113	96
		110	10	0%	100	33%	57	25
15	Madhya Pradesh	1913	657	1%	1256	3%	693	663
		765	96	7%	669	5%	200	68



#	State	Inspections	Completed		On-going		ATR	
			Total	U%	Total	U%	Req.	Sub.
16	Maharashtra	795	360	9%	435	17%	321	262
		694	43	7%	651	14%	424	277
17	Manipur	100	36	44%	64	42%	50	12
		58	2	100%	56	36%	43	25
18	Meghalaya	149	31	39%	118	74%	99	14
		41	4	50%	37	46%	24	0
19	Mizoram	123	45	58%	78	51%	66	39
		76	2	0%	74	22%	48	5
20	Nagaland	65	25	88%	40	75%	52	31
		38	0	0%	38	21%	34	0
21	Orissa	1416	504	13%	912	45%	562	455
		549	127	0%	422	12%	254	111
22	Punjab	201	79	15%	122	47%	85	67
		246	63	3%	183	3%	61	15
23	Rajasthan	2297	1259	1%	1038	2%	612	585
		623	189	2%	434	1%	159	112
24	Sikkim	98	22	18%	76	34%	64	47
		83	5	0%	78	19%	38	1
25	Tamil Nadu	1044	363	40%	681	53%	509	375
		179	77	5%	102	4%	82	52
26	Tripura	126	41	29%	85	47%	56	11
		29	3	0%	26	19%	16	5
27	Uttar Pradesh	2733	1373	17%	1360	34%	879	860
		853	344	11%	509	14%	417	236
28	Uttaranchal	315	49	27%	266	39%	125	82
		97	7	0%	90	21%	80	29
29	West Bengal	992	398	11%	594	22%	302	182
		352	68	0%	284	4%	78	1
<b>Total 07/04 - 12/06</b>		18930	7755	13%	11175	26%	7455	6032
<b>Total 01/07 - 06/08</b>		7179	1519	5%	5660	11%	3176	1485

No. P-14013/3/2003-P-III

**National Rural Roads Development Agency  
Ministry of Rural Development  
Government of India**

**Empanelment of National Quality Monitors  
under Pradhan Mantri Gram Sadak Yojana**

National Rural Roads Development Agency (NRRDA), an agency of Ministry of Rural Development, Government of India, constituted for providing technical and management support for implementation of Pradhan Mantri Gram Sadak Yojana invites applications for empanelment of National Quality Monitors (NQMs) from retired Chief Engineers/ Superintending Engineers experienced in construction or maintenance of roads. Details of the eligibility criteria for empanelment, duties of National Quality Monitors, honorarium and travelling allowances, terms and conditions of engagement, application format and other details are available on the websites [www.pmgsv.nic.in](http://www.pmgsv.nic.in) and [www.pmgsonline.nic.in](http://www.pmgsonline.nic.in) Individuals interested to work as NQMs may apply in the address given below.  
Last date of submission of application in prescribed format is **24-03-2008**.

**Prabha kant Katara  
Director (Projects-III)**

**National Rural Roads Development Agency  
5th Floor, 15, NBCC Tower, Bhikaji Cama Place  
New Delhi-110066**

**Email: [nrrda@nic.in](mailto:nrrda@nic.in)  
davp 35104/11/005/0708**

**Criteria for Selection:**

1. The candidate should be Graduate in Civil Engineering from recognized University.
2. The candidate should have retired from/working on the post not below the level of Superintending Engineer or equivalent.
3. Any candidate would not be allowed to work as NQM after completing the age of 70 years. Therefore, the candidate should not have attained the age of 69 years as on 1<sup>st</sup> July, 2008. So that he can serve as NQM for at least one year.
4. Any candidate who has not worked with any organization for continuously five years after retirement shall not be eligible.
5. The candidate should possess the experience of working in the field of construction of roads for at least 5 years in last 10 years before retirement from Government service. Also in last 5 years, he should have worked at least for 2 years in the field of roads (any field out of Planning and Designing, Execution or Management of construction or maintenance of roads.)
6. The candidate whose name has not been recommended by State Government or by Government of India organizations shall be considered on the condition that his last employer certifies that the integrity of the candidate is not questionable.
7. The candidate should be willing to work as National Quality Monitor with high ethical standards.

### Details of Applications Received for Empanelment of National quality Monitors

#	Name	State	Qualification	Last Post Held	Organization	Age as on 01.04.08	Qualifies on Cr.1,2,3 (Y/N)	Employment Record					Experience		Self Declaration regarding criminal / Vigilance case.	Integrity Cert.- Non Govt. Candidate	Recommendation of SE	
								Duration			Post Held	Organization		Road Sector (Yrs)				Other Sectors (Yrs)
								From	To	Duration		Name	Nature					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
1	Brij Nandan Tewari	UP	B.E (Civil)	Superintending Engineer	RES, U.P	63	Y	16.04.1985	24.01.1994	9 yrs	E.E.	R.E.S. U.P	State Govt.	15years Govt. 7 years private	-	N	NA	Qualifies
								25.01.1994	21.12.2000	6 yrs	S.E.	R.E.S. U.P	State Govt.					
								01.01.2001	31.03.2008	7 yrs	Consultant	NABARD etc.	Private					
2	Jagdish Chander Chitkara	UP	B Sc (Civil Engg.)	Chief Engineer	UP, PWD	61	Y	01.02.1984	30.04.1999	15 yrs	E.E.	U.P.P.W.D	State Govt.	13years Govt.	-	Y	NA	Qualifies
								01.05.1999	30.08.2005	6 yrs	S.E.	U.P.P.W.D						
								01.09.2005	31.08.2007	2 yrs	C.E	U.P.P.W.D						
3	Rajinder Singh Rathee	HR	A.M.I.E (Civil Engg.)	Sub-Divisional Engineer	PWD, (B & R), Haryana	59	N-2	Doesn't Have Basic Qualification										
4	R. P Das	UP	B.E (Civil)	Chief Engineer	UP, PWD,	61	Y	25.09.1971	30.06.1994	22.5 yrs	A.E	U.P P.W.D	State Govt.	35 years	-	N	NA	Qualifies
								01.07.1994	21.05.2003	8.5 yrs	E.E.							
								22.05.2003	13.06.2006	3 yrs	S.E.							
								14.06.2006	31.10.2007	1 yrs	C.E							
5	Prahallad Das	OR	B Sc (Civil Engg.)	Chief Engineer	Works Deptt. Govt. of Orissa	61	Y	01.07.1989	30.10.1994	5 yrs	A.E.E	Works Deptt. Govt. of Orissa	State Govt.	10 years Govt. 2 years private.	-	N	NA	Qualifies
								11.1999	12.2000	1 yrs	EE							
								12.2000	.06.2001	.5 yrs	SE							
								.07.2001	.03.2005	3.5 yrs	CE							
								12.2005	11.2007	2 yrs	R.E							
6	Subhash Chandra Arora	UP	B Sc (Civil Engg.)	Superintending Engineer	UP,PWD	61	Y	01.12.1986	20.01.2005	19 yrs	E.E.	U.P P.W.D	State Govt.	-	N	NA	Does not qualify.	
								21.01.2005	31.12.2005	1 yrs	SE							
7	Har Sarup Chahal	HR	B Sc (Civil Engg.)	Engineer-in-Chief	PWD (B&R), Haryana	59	Y	01.05.1981	31.03.1996	15 yrs	E.E.	PWD (B&R) HR	State Govt.	17 years Govt.	20 years	N	NA	Already NQM
								01.04.1996	31.06.2004	8 yrs	S.E.							
								01.07.2004	31.02.2007	2.5 yrs	C.E							
								01.03.2007	31.05.2007	0.5 yrs	Engineer-in-Chief							
								01.11.1977	31.05.1992	14.5 yrs	A.E.E			27 years				

#	Name	State	Qualification	Last Post Held	Organization	Age as on 01.04.08	Qualifications on Cr.1,2,3 (Y/N)	Employment Record						Experience		Self Declaration regarding criminal / Vigilance case.	Integrity Cert.- Non Govt. Candidate	Recommendation of SE
								Duration			Post Held	Organization		Road Sector (Yrs)	Other Sectors (Yrs)			
								From	To	Duration		Name	Nature					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
8	Gurtek Singh	BRO	B.Sc (Civil Engg.)	Chief Engineer	BRO	63	Y	01.06.1992	31.08.1999	7 yrs	E.E	BRO	C.Govt.	27 years Govt. 0.5 years private	-	N	NA	Qualifies
								01.09.1999	30.11.2004	5 yrs	S.E							
								01.12.2004	31.09.2005	1 yrs	C.E							
								01.10.2005	28.02.2006	0.5 yrs	Team Leader	Non Govt.	Private					
9	Pushp Kumar	UP	B.E (Hons) (Civil)	Chief Engineer	UP,PWD	69	Y	01.09.72	31.12.1985	13 yrs	E.E	U.P.P.W.D	State Govt.	23.5 years Govt. 9.5 years private	-	Y	NA	Does not qualify.(N3)
								01.01.1986	31.07.1992	6.5 yrs	S.E							
								01.12.1994	28.02.1997	4 yrs	C.E							
								01.03.1997	31.12.2006	9.5 yrs	Team Leader/GM	Non Govt.	Private					
10	Shree Ram Saraswat	UP	B.Sc (Civil Engg.)	Chief Engineer	UP, PWD	61	Y	1991	31.01.2004	13 yrs	E.E	U.P.P.W.D	State Govt.	16.5 years Govt.	-	N	NA	Qualifies
								01.02.2004	31.01.2006	2 yrs	S.E							
								01.02.2006	31.07.2007	1.5 yrs	C.E							
11	Biswa Nath Seal						N-No Details	N-No Details										
12	Subhash Chandra Goswami	AS	B.E (Civil)	Project Engineer Cum Officiating Chief Engineer	State Electricity Board	55	Y	01.11.1986	30.04.1999	12.5 yrs	A.E.E	State Electricity Board	State Govt.	No Experience of roads except approach or colony roads.	20 years	N	N	Does not qualify.
								01.05.1999	31.09.2000	1.5 yrs	Project Engineer							
								01.11.2000	31.08.2003	2 yrs	A.E.E							
								01.09.2003	31.08.2006	3 yrs	Sr. Cons. Engineer	Eastern Builders	Private					
								01.09.2006	30.11.2007	1 yrs	Chief Consultant	MHRD, Govt of India	Govt of India					
13	Jawahar Lal Zutshi	JK	B.Sc (Civil Engg.)	Chief Engineer	PWD, J & K	67	Y	1973	1994	11 yrs	E.E	PWD, J & K	State Govt.	26 years in Govt. and 9 years in private.	-	N	NA	Qualifies
								1994	1996	12 yrs	S.E							
								1996	31.03.1999	3 yrs	C.E							
								01.05.1999	30.06.08	9 yrs	Senior Expert	CPCS Upham Corporation	Private					

#	Name	State	Qualification	Last Post Held	Organization	Age as on 01.04.08	Qualifications on Cr.1,2,3 (Y/N)	Employment Record						Experience		Self Declaration regarding criminal / Vigilance case.	Integrity Cert.- Non Govt. Candidate	Recommendation of SE	
								Duration			Post Held	Organization		Road Sector (Yrs)	Other Sectors (Yrs)				
								From	To	Duration		Name	Nature						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	
14	N.C Prabhakar	J & K (Pvt.)	MA (Economics)	Consultant	RD J&K		N-1,2	Doesn't Have Basic Qualification											
15	R.P Mishra	MP	B.E (Civil)	General Manager	MP, PWD	60	Y	07.07.1977	31.10.1994	16 yrs	AE	M.P. P.W.D	State Govt.	29 years Govt.	-	N	NA	Qualifies	
								01.11.1994	10.08.2004	10 yrs	E.E								
								11.08.2004	20.01.2006	1.5 yrs	Div. Mgr. (EE)	M.P. Road Development Corpn.							
								21.01.2006	29.02.2008	2 yrs	Gen. Mgr. (S.E)								
16	Dipak Kumar	MES	B.E (Civil)	Lt. Col	MES	63	Y	15.06.1969	31.08.1997	28 yrs	Lt Col	Indian Army	Indian Army					Does not qualify.	
17	Narendra Singh Chaudhary	UP	B Sc (Civil Engg.)	Superintending Engineer	U.P.,PWD,	69	Y	1978	1988	10 yrs	P.M	U.P P.W.D	State Govt.	11 years	10 years	N	NA	Does not qualify.	
								1988	1996	8 yrs	E.E								
								1996	1997	1 yrs	S.E								
18	Satya Prakash Singh	MP	B.E (Civil)	Chief Engineer	WRD, M.P	63	Y	01.01.1980	30.06.1997	17.5 yrs	E.E	No basic experience of Roads,	State Govt.	2 years	25 yrs	Y	NA	Does not qualify.	
								01.07.1997	28.02.2005	7.5 yrs	S.E								
								01.03.2005	31.05.2005	3 mth	C.E								
								01.04.2006	31.03.2008	2 yrs	SQM	M.P.R.R.D. A							
19	V.K. Tyagi	Indian Army	B.E (Civil)	Chief Engineer	Indian Army	57	Y	01.01.1978	31.10.2002	24.5 yrs	Captain to Colonel	Indian Army	Indian Army	Worked in BRO also and in a consl. org.	1.5 years	Y	NA	Application rejected being unsigned.	
								01.10.2003	30.06.2004	0.5 yrs	Sr. Mgr.	Hindustan Aeronautics Ltd	Govt of India						
								01.07.2004	31.03.2007	2.5 yrs	Team Leader	Mott Mac Donald India	Private						
								01.04.2007	30.06.2008	1 yrs	C.E	Hindustan Latex	Govt of India						
20	N.P Vyas	MP	B Sc (Civil Engg.)	Chief Engineer	MP, PWD	64	Y	Shri N.P. Vyas is already working as NQM											

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								Duration			Post Held	Organization		Road Sector (Yrs)	Other Sectors (Yrs)			
								From	To	Duration		Name	Nature					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
21	C.B Sharma	HR	B Sc (Civil Engg.)	Superintending Engineer	PWD, Haryana	62	Y	01.03.1980	31.03.2002	22 yrs	E.E	P.W.D HR	State Govt.	24 years Govt	4 years	N	NA	Qualifies
								01.04.2002	28.02.2004	2 yrs	S.E							
								01.05.2005	30.06.2005	2 mths	Quality Monitor							
								01.03.2006	30.06.2008	2 yrs	Consultant							
22	Ramesh Chandra Mittal	UK	Diploma (Civil Engg.)	Superintending Engineer	ONGC Ltd.	70	N-1,3	Doesn't Have Basic Qualification										
23	Rajeev Prakash	UP	B.E (Civil)	Superintending	RES, UP	61	Y	18.11.1981	24.01.1994	22 yrs	E.E.	R.E.S. U.P	State Govt.	25.5 years in	-	Y	NA	Qualifies
								25.01.1994	30.09.2007	3.5 yrs	S.E.							
24	Prabin Kumar Gohain	AS	B.E (Civil)	Secretary	PWD, Assam	66	Y	1965	1977	12 yrs	A.E.E	P.W.D. Assam	State Govt.	34 years Govr.	-	Y	NA	Does not Qualify(Cr No. 4&5)
								1977	1985	8 yrs	E.E							
								1985	1991	6 yrs	S.E							
								1991	1996	5 yrs	C.E							
								1996	1999	3 yrs	Sec. (PWD)							
25	Krishna Moorthy K.S	KE	B Sc (Civil Engg.)	Dy.General Manager	Cochin Shipyard Limited	61		17.12.1970	31.05.2007	37 yrs	Sect Off to DGM	Cochin Shipyard	Govt of India	No Road Experience	37 years	Y	NA	Does not qualify.
26	Naresh Kumar Sukla	OR	M. Sc.Engg. (Civil)	Chief Engineer	Works Deptt. Govt. of Orissa	61	Y	24.05.1979	19.02.1997	18 yrs	A.E	Works Deptt. Orissa	State Govt.	26 years in Govt.	-	Y	NA	Qualifies
								20.02.1997	06.03.1999	2 yrs	A.E.E							
								07.03.1999	07.04.2003	4 yrs	E.E							
								08.04.2003	15.01.2005	1.5 yrs	S.E							
								16.01.2005	31.07.2005	0.5 yrs	C.E							
27	Dhanbar Gogoi	AS	B.E (Civil)	Superintending Engineer	PWD Assam	59	Y	03.07.1973	01.08.1980	8 yrs	A.E	PWD Assam	State Govt.	32.5 years in Govt.	-	Y	NA	Qualifies
								07.08.1980	23.12.1996	16 yrs	A.E.E							
								26.12.1996	29.08.2005	8.5 yrs	E.E							
								02.09.2005	30.09.2007	1 mth	S.E							
28	Suesh Kumar	MP	B.E (Civil)	Superintending	WRD, MP	62	Y	1972	1986	14 yrs	A.E	W.R.D M.P	State Govt.	Misleading Information	33 yrs	Y	NA	Does not qualify.
								1986	2000	14 yrs	E.E							

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								Duration			Post Held	Organization		Road Sector (Yrs)	Other Sectors (Yrs)				
								From	To	Duration		Name	Nature						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	
	Dhagat			Engineer	M.P.			2000	2005	5 yrs	S.E		Govt.	Information				Qualifies	
29	Tripureshwar Prasad Kala	UK	A.M.I.E (Civil Engg.)	Superintending Engineer	PWD, Uttarakhand	61	Y	28.02.1979	25.06.1999	19.5 yrs	A.E	U.P.P.W.D	State Govt.	27.5 years	-	Y	NA	Qualifies	
								26.06.1999	10.03.2005	5.5 yrs	E.E								
								11.03.2005	31.10.2007	2.5 yrs	S.E								PWD, Uttarakhand
30	A.K Agarwal	RJ	B.E (Civil)	Executive Engineer	PWD, Rajasthan	64	N-2	Doesn't Have Basic Qualification											
31	J.C Mahanti	Indian Army	M.E (Civil)	Addl.Chief Engineer	Indian Army	69	Y	1962	1965	3 yrs	Second-in-Command	BRO	Govt of India	27 years Govt. 2 years private		Y	NA	Doesn't Qualify (cr No. 3,4&5)	
								1965	1989	24 yrs	Staff Officer Gr.II to Add Chief Engineer	Indian Army	Govt of India						
								1989	2001	2 yrs	General Manager (tech)	B.E. Ltd.	Private						
32	Harish Chandra Jain	Indian Army	B.E (Electrical)	MES, Chief Engineer,	MES	59	N-1	Doesn't Have Basic Qualification											
33	Som Prakasha	Indian Army	M.I.E (Civil Engg.)	Additional Chief Engineer	MES	55	Y	1993	1998	5 yrs	EE	MES	Govt of India	10 years in Govt.	3 Years in Govt.	N	NA	Doesn't Qualify (clear details of road exp. Not available)	
								1998	2006	8 yrs	Addl Chief Engineer								
34	Gokaran Singh	UP	B.E. (Civil)	Chief Engineer	PWD, U.P	65	Y	.10.1979	.07.1993	14 yrs	EE	P.W.D UP	State Govt.	21 years Govt. 7 years		Y	NA	Qualifies	
								.08.1993	.11.1997	4 yrs	SE								
								.12.1997	31.03.2000	3 yrs	CE								
								01.04.2000	31.07.2000	4 mth	E-in-C								



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								Duration			Post Held	Organization		Road Sector (Yrs)	Other Sectors (Yrs)			
								From	To	Duration		Name	Nature					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20
								01.01.2001	05.03.2008	7 yrs	Consultant	NABARD/Private	Private	private				
35	Mahendra Singh Chadrawat	MP	B.E (Hons) (Civil)	Chief Engineer	WRD, M.P	63	Y	.09.1968	.02.1980	11 yrs	AE	WRD, M.P	State Govt.	3 yrs Govt/Pvt.	34 years Govt	N	NA	Doesn't Qualify
								.03.1980	.10.2001	20.5 yrs	EE							
								.11.2001	17.06.2004	2.5 yrs	Secretary	M.P Rajasthan Interstate (I&P) Control Board	State Govt.					
								18.06.2004	31.08.2004	2 mths	CE	WRD, M.P	State Govt.					
								19.03.2005	10.03.2008	3 yrs	Consultant	ANS Construction Ltd.	Govt/Private					
								.10.2005	10.03.2008		SQM	MPRRDA						
36	Navin Chandra Krishna Chandra Ojha	GJ	B.E (Civil)	University Engineer	M.S University of Baroda	47	Y	23.02.1884	24.10.1991	7.5 yrs	Addl. Asstt. Engineer	Irrigation Dept. Gujarat	State Govt.	-	24 years	N	NA	Doesn't Qualify
								25.10.1991	18.07.1996	5 yrs	Deputy EE	Bhavanagar University						
								19.07.1996	05.03.2008	11.5 yrs	University Engineer	M.S. University						
37	Shanti Ghalay						<b>N-No Details</b>	Doesn't Have Basic Qualification										
38	Krishna Kumar Tiwari	MP	B.E (Hons) (Civil)	Director	WRD, M.P	61	Y	.07.1990	.08.2005	15 yrs	EE	WRD MP	State Govt.	-	17 yrs Govt (only in	Y	NA	Doesn't Qualify
								.09.2005	.11.2007	2 yrs	SE							
39	Satish Kumar Agarwal	RJ	B.E (Civil)	Additional Chief Engineer	Irrigation Department,	64	Y	1970	1983	13 yrs	AE	Irrigation Dept. Rajasthan	State Govt.	-	46 yrs	Y		Doesn't Qualify
								1983	1999	18 yrs	EE							
								1999	2001	2 yrs	SE							

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								Duration			Post Held	Organization		Road Sector (Yrs)	Other Sectors (Yrs)				
								From	To	Duration		Name	Nature						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	
					Rajastha			2001	2002	1yrs	Addl CE								
40	K. Thangavelu	TN	Diploma (Electrical Engg.)	Jr. Engineer-Gr-I		60	N-1,2	Doesn't Have Basic Qualification											
41	P.C Jain	MP	B Sc (Civil Engg.)	Chief Engineer	PWD, M.P	73	N-3	1961	1971	10 yrs	AE	P.W.D MP	State Govt.	32years Govt.	-	41	NA		
								1971	1981	10 yrs	EE								
								1981	1991	10 yrs	SE								
								1991	1993	2 yrs	CE								
42	R.K Chachondia	MP	B.E (Civil)	Engineer-in-Chief	WRD, M.P	61	Y	Shri R.K Chachondia disqualified during the 1st meeting SE held on 7th May, 2004											Doesn't Qualify
43	Ratan Lalkedia						N-No Details	N-No Details											
44	R. Prabakaran	Pondicherry	B.E (Civil)	Superintending Engineer	Highways Department Govt.	61	Y	.06.1981	.01.2001	19.5 yrs	Asstt Div Engineer	Highways Dept. TN	State Govt.	23.5 years Govt.	-	N	NA	Qualifies	
								.02.2001	.01.2005	4 yrs	EE								
								.02.2005	.03.2005	2 mth	SE								
45	Ran Vijay Singh Tomar	MP	M.E (Civil)	Superintending Engineer	WRD, M.P	61	Y	.05.1977	.04.1994	16 yrs	AE	WRD MP	State Govt.	-	19 years	N	NA	Doesn't Qualify	
								.05.1994	.06.2007	3 yrs	EE								
								.07.2007	.08.2007	1 mth	SE								
46	Powell K Alapatt	Kerala/MES	B Sc (Civil Engg.)	Chief Engineer	MES	67	Y	.04.1978	.06.1989	11 yrs	EE	MES	Govt of India	22 years		Y	NA	Doesn't Qualify(Cr No. 4&5)	
								.07.1989	.06.1997	8 yrs	SE								
								.07.1997	.11.1998	1 yrs	Addl CE								
								.12.1998	.02.2001	2 yrs	CE								
								.09.2005	.09.2006	1 yr									
47	Ram Awadh Singh	AS	B.Tech (Civil Engg.)	Chief Engineer	PWD, Assam	75	N-3	Not Qualifies due to Cr. No 3											
48	Krishan Gopal Gupta	HR	B Sc (Civil Engg.)	Superintending Engineer	PWD, Haryana	63	Y	.01.1969	.05.1981	12 yrs	AE	PWD, Haryana	State Govt.	33 years Govt.	-	Y	NA	Doesn't Qualify(Cr No. 5)	
								.06.1981	.06.2002	20 yrs	EE								
								.07.2002	.09.2003	1 yrs	SE								
49	Kanwal Jit Singh Brar	PB	B.E (Civil)	Superintending Engineer	PWD B&R, Punjab	61	Y	.11.1970	.12.1977	7 yrs	AE	PB PWD B&R	State Govt.	24 years Govt.	-	Y	NA	Qualifies	
								.01.1978	.08.1998	10 yrs	EE								
								.09.1998	.07.2005	7 yrs	SE								

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								Duration			Post Held	Organization		Road Sector (Yrs)	Other Sectors (Yrs)				
								From	To	Duration		Name	Nature						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	
50	Ankesh Kumar Banerjee	WB	Building & Quantity Surveying Course	Lab Asstt.		58	N-1,2	Doesn't Have Basic Qualification											
51	Prakash Chandra Modi	MP	B Sc (Civil Engg.)	Superintending Engineer	M.P PWD	67	Y	.07.1971	.07.1986	15 yrs	AE	P.W.D MP	State Govt.	39 years Govt. 2 years private	-	Y	NA	Doesn't Qualify(Cr No. 4)	
								.08.1986	.03.1998	21.5 yrs	EE								
								.04.1998	.01.2001	2.5 yrs	SE								
								.05.2006	.03.2008	2 yrs	RE								
52	Kripa Shanker Mani	UP	B.E (Civil)	Chief Engineer	Irrigation Department, U.P	61	Y	.09.1988	.04.2000	12 yrs	EE	Irrigation Department, UP	State Govt.	18.5 years (Onlt		Y	NA	Doesn't Qualify	
								.05.2000	.01.2006	5.5 yrs	SE								
								.02.2006	.01.2007	1 yrs	CE								
53	Vijay Kumar Sharma	JK	B.E (Civil)	Superintending Engineer	PWD (R&B), J&K	62	Y	.07.1989	.01.1992	3 yrs	AEE	PWD (R&B) J&K	State Govt.	7 yrs	30 years	Y	NA	Doesn't Qualify(Cr No. 5)	
								.8.1995	.02.1999	3.5 yrs	EE								
								.05.2003	.10.2003	.5 yrs	SE								
54	Mohamed Kutty T.M	KL	B Sc (Civil Engg.)	Dy.Chief Engineer	Water Authority of Kerala	59	Y	12.89	.06.97	7.5 yrs	AEE	Kerala Water Authority	State Govt.	-	15.5 years	Y	NA	Doesn't Qualify	
								.07.1997	10.2001	4 yrs	EE								
								11.2001	10.2003	2 yrs	Dy CE								
								2004	2006	2 yrs	Team Leader								
55	Lakhpat Kumar Jain	MP	B Sc (Civil Engg.)	Chief Engineer	PWD, M.P	65	Y	14.04.1971	07.07.1981	10 yrs	AE	PWD, M.P	State Govt.	30 years Govt.	-	Y	NA	Doesn't Qualify(Cr No. 5)	
								16.07.1981	30.04.1993	11.5 yrs	EE								
								10.05.93	24.08.1998	5 yrs	SE								
								03.11.1999	31.05.2002	2.5 yrs	CE								
								01.04.2006	31.03.2007	1 yrs	Consultant								
56	Charanjit Lal	PB	M.E (Civil)	Superintending	PWD, (B &	60	Y	.09.1990	12.1997	7 yrs	EE	PWD, (B & R), Punjab	State Govt.	15.5 yrs	-	Y	NA	Qualifies	
								1.1998	.05.2006	8.5 yrs	SE								
57	U.N Sinha	UK	M.E (Civil)/Ph.D (Civil Engg.)	Emeritus Scientist	CBRI, Roorkee	67	Y	.02.1962	.08.1963	1.5 yrs	Supervisor	RRL	Govt	-	38.5 years	Y		Doesn't Qualify	
								.08.1963	.05.1980	17 yrs	Principal								
								.05.1980	.01.2000	20 yrs	Investigato								
58	Sham Lal	DR	B Sc (Civil)	Superintending	PWD, (B	60	Y	12.1989	.02.2002	12 yrs	EE	PWD, (B &	State	16 years	-	Y	NA	Qualifies	

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								Duration			Post Held	Organization		Road Sector (Yrs)	Other Sectors (Yrs)				
								From	To	Duration		Name	Nature						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	
50	Sham Lal	PB	Engg.)	ding	&	60	Y	.03.2002	.04.2006	4 yrs	SE	R),Punjab	Govt.	Govt.		Y	NA	Qualifies	
59	J.N Saxena	MP	Diploma (Civil)	S.D.O	WRD, MP	63	N-1	Doesn't Have Basic Qualification											
60	Joginder Singh	PB	B Sc (Civil Engg.)	Chief Engineer	PWD, (B & R),Punjab	66	Y	Jan, 1982	Oct, 1997	15.5 yrs	SE	PWD Haryana	State Govt.	17.5 years Govt and 4 years in private	4 years	Y	NA	Doesn't Qualify(Cr No. 5)	
								oct, 1997	Sept, 1999	2 yrs	CE								
								Jan, 2000	Dec, 2001	2 yrs	G.G (QC)								
								Jan, 2002	March, 2004	2 yrs	Chief Consultant	Private	Private						
								April, 2004	March, 2008	4 yrs	President								
61	Kiran Kumar Bagda	RJ	B.E (Civil)	Chief Engineer	PWD, Rajasthan	63	Y	23.02.1966	23.03.1981	15 yrs	AEE	PWD, Rajasthan	State Govt.	41 years Govt.	-	Y	NA	Qualifies	
								24.03.1981	05.08.1995	14 yrs	EE								
								06.08.1995	30.11.1999	4 yrs	SE								
								03.12.1999	02.07.2002	3 yrs	Addl. CE								
								03.07.2002	31.01.2003	5 mths	CE								
								14.04.2003	19.03.2008	5 yrs	Team Leader	Theme Engg. Pvt. Ltd.	Private	5 yrs Private					
62	Chandra Kanta Bordoloi	AS	B.E (Civil)	Superintending Officer	PWD, Assam	61	Y	03.10.1972	04.08.1980	8 yrs	AE	PWD, Assam	State Govt.	32 years Govt.	-	Y	NA	Qualifies	
								05.08.1980	16.10.1997	17 yrs	AEE								
								17.10.1997	03.10.2002	5 yrs	EE								
								04.10.2002	31.12.2004	2 yrs	SE								
63	M.S. Kajla	PB	B Sc (Civil Engg.)	Chief Engineer	PWD (B&R),Punjab	58	Y	.04.1990	.08.2003	13 yrs	EE	PWD (B&R),Punjab	State Govt.	17 yrs	-	Y	NA	Qualifies	
								.09.2003	11.2006	3 yrs	SE								
								12.2006	1.2008	1 yrs	CE								
64	G. Motilal	AP	B.Tech (Civil Engg.), M.E (H.E)	Superintending Engineer	Panchayati Raj, A.P Govt.	60	Y	24.9.1971	01.02.1987	15 yrs	AE	Panchayati Raj, A.P Govt.	State Govt.	39 years Govt.	-	Y	NA	Qualifies	
								2.2.1987	28.6.1999	12 Yrs	Dy. EE								
								29.6.1999	28.2.2006	6 yrs	EE								
								1.03.2006	31.08.2006	6 mths	SE								
65	Snehangshu Ranjan	AS	B.E (Civil)	Chief Engineer	Irrigation / Flood Control,	60	Y	13.03.1979	19.07.1994	15 yrs	AEE	Irrigation / Flood Control, Govt of	State Govt.	-	38 years	Y	NA	Doesn't Qualify	
								20.07.1994	10.08.2001	7 yrs	EE								
								11.08.2001	08.09.2004	3 yrs	SE								
								9.09.2004	22.01.2007	2 yrs	Add. CE								

#	Name	State	Qualification	Last Post Held	Organization	Age as on 01.04.08	Qualifies on Cr.1,2,3 (Y/N)	Employment Record						Experience		Self Declaration regarding criminal / Vigilance case.	Integrity Cert.- Non Govt. Candidate	Recommendation of SE	
								Duration			Post Held	Organization		Road Sector (Yrs)	Other Sectors (Yrs)				
								From	To	Duration		Name	Nature						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	20	
	Swami			Engineer	Govt of Assam			23.01.2007	31.01.2007	10 days	CE	Assam			years			Qualify	
								10.2.2007	19.03.2008	1 yrs	Consultant	Private	Private						
66	Ashaq Hussain	JK	B.E (Civil)	Superintending Engineer	PWD(R &B), J &K	66	Y	.04.1968	11.1981	13.5 yrs	AE	PWD(R&B), J &K	State Govt.	30 years Govt.	-	Y	NA	Doesn't Qualify no details of exp. After yr. 2000	
								11.1982	.09.1998	15.5 yrs	EE								
								9.1998	.03.2000	1.5 yrs	SE								
67	Vijay Kumar Koul	JK	B.E (Civil)	Chief Engineer	PWD(R &B), J &K	60	Y	.01.1990	.10.1995	5.5 yrs	A.E.E	PWD(R&B), J &K	State Govt.	2.6 years Govt.	12.5 mths	Y	NA	Doesn't Qualify	
								11.1995	.02.2004	8 yrs	EE								
								.03.2004	12.2005	1.5 yrs	SE								
								12.2005	.01.2006	2 mths	CE								
68	C.N Suresh	A.P	B.E (Civil)	Chief Engineer	Panchayati Raj, A.P	66	Y	Shri C.N Suresh disqualified during the 1st meeting SE held on 7th May, 2004											
69	Nissar Hussain	JK	B.E (Civil)	Superintending Engineer	R&B, J & K	65	Y	01.01.1969	01.12.1983	14 yrs	AEE	R&B, J & K	State Govt.	Experience details not given				Doesn't Qualify	
								01.01.1984	25.11.1998	15 yrs	EE								
								01.11.1998	28.02.2001	2 yrs	SE								

S No. 3, 11, 14, 22, 30, 32, 37, 40, 41, 43, 47, 50 and 59 do not qualify as per Cr. 1 or 2 and 3 or any combination.

### Details of Applications Received for Empanelment of National quality Monitors After 24.03.2008

#	Name	State	Qualification	Last Post Held	Organisation	Age as on 01.04.08	Qualifies on Cr.1,2,3 (Y/N)	Employment Record						Experience		Self Declaration regarding criminal / Vigilance case.	Integrity Cert.- Non Govt. Candidate	
								Duration				Post Held	Organization		Road Sector (Yrs)			Other Sectors (Yrs)
								From	To	Duration			Name	Nature				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1	Syed Bashir Ahmed	J&K	BE (Civil)	Chief Engineer	PWD J&K	68	Y											
2	I.A Khan		BE (Civil)	Chief Engineer	PWD B&R	58	Y	29.08.1972	02.03.1986	13.5 yrs	AE	PWD B&R	State Govt.	35 yrs	-	N	NA	
								03.03.1986	03.02.2002	16 yrs	EE							
								04.02.2002	30.11.2006	4.5 yrs	SE							
								01.12.2006	31.01.2008	1 yr	CE							
3	K.L. Gianchandani	UP	BE (Civil)	Executive Engineer	RES, U.P	61	N-2	Doesn't Have Basic Qualification										
4	Sat Kori Banerjee	Steel Authority of India/WB	B. TECH (Hons) Civil	Chief Engineer	Steel Authority of India	70	N-3	Doesn't Have Basic Qualification										
5	S. Rajagopalan	Goa	Bsc (Engg) Mechanical Engineering	Chief Engineer	PWD Goa	66	N-1	Doesn't Have Basic Qualification										
6	K.S. Gopalakrishna Pillai	Kerala	MIE (Civil)	Superintending Engineer	State Municipality	62	Y	1983	1997	14 yrs	EE	State Municipality	State Govt.	-	18 yrs	N	NA	
								1997	2001	4 yrs	SE							

The Committee decided that applications received after due date need not be considered.

### List of Officials Recommended by State Government / Central Agencies

#	Name	Designation	Department	Recommended by	Qualification	Date of Birth Retirement Date	Experience Details	Observation	Recommendation of SE
1	3	4	5	6	7	8	9	10	11
1	Mohit Ranjan Deb	SE	PWD, West Bengal	State Government	B.E. (Civil)	30.06.2008	1980 to 1996 as Assistant Engineer. 1996 to 2005 as Executive Engineer. February, 2005 to June, 2008 as Superintending Engineer.	Good experience in road sector.	Qualifies
2	M.K. Uprit	VC	Dept of Technical Education, Bhopal	State Government	M.E(Highway Engineering)/ Ph.D in Soil/ Highway Engineering	15.07.1940/ 31.07.2002	1965 to 1982 Reader/Lecturer in Civil Engineering. 1982 to 2001 as Professor/Joint Director. 2001 to 2003 Director/Principal.	No experience in road sector.	Does not Qualify.
3	Mahendra Singh Chandrawat	CE	WRD MP	State Government	B.E (Hons) Civil	18.08.1944/31.08.2004	September, 1968 to February, 1980 as Assistant Engineer. March, 1980 to October, 2001 as Executive Engineer. November, 2001 June, 2004 Secretary(Chief Engineer level post). 18th June, 2004 to 31st August, 2004 as Chief Engineer. October, 2005 to till	No experience in road sector.	Does not Qualify.
4	Om Prakash Sharma	Addl. CE	MES	MES	B.E (Civil)	07.09.1945/30.09.2005	Jan, 1991 to October, 1997 as Executive Engineer. November, 1997 to August, 2005 as Superintending Engineer. Sept, 2005 to september, 2005 as Addl Chief Engineer.	Good experience in road sector.	Qualifies
5	S.S. Gangwar	SE	RES UP	CE,R.E.S, UP	BE (Civil)	10.06.1948/30.06.2008	19th December, 1972 to 11th August, 1982 as A.E. 12th August 1982 to 24th January, 1994 as EE. 25th January, 1994 to 30th June, 2008 as SE.	Good experience in road sector.	Qualifies
6	Piare Lal Kapoor	SE	PWD Uttranchal	C.E. URRDA	BSc Engg (Civil)	05.05.1946/31.05.2006	Aug, 1990 to January, 1995 as AE. February, 1995 to October, 2003 as EE, November, 2003 to May, 2006 as SE.	Good experience in road sector	Qualifies
7	Brij Nandan Tewari	SE	RES, U.P	CE,R.E.S, UP	BE (Civil)	09.07.1945/21.12.2000	October, 1992 to January, 1994 as EE. January, 1994 to December, 2000 as SE. January, 2001 to March, 2006 as Consultant in OSKAN Consultant Pvy Ltd/ NABARD	Good experience in road sector.	Qualifies

Subject to recommendation/approval of recommendation by the competent authority in case of SNo. 5, 6 &7.

**Cases of Performance Evaluation of NQMs  
(No of Inspections 40 or More)**

<b>NQM-wise State-wise Inspection and Grading (No of Inspections 40 or more)</b>							
<b>#</b>	<b>Name</b>	<b>State/ Organisation</b>	<b>Total Works Inspected</b>	<b>No of Reports Reviewed</b>	<b>% Marks Obtained</b>		<b>Remark</b>
1	M.D Tiwari	M.P	98	7	1	98.00%	
					2	95.80%	
					3	92.72%	
					4	94.70%	
					5	85.70%	
					6	80.59%	
					7	90.00%	
					<b>Average</b>	<b>91.07%</b>	
2	N.S Mathur	Rajasthan	70	5	1	66.67%	
					2	45.45%	
					3	61.11%	
					4	54.55%	
					5	55.17%	
					<b>Average</b>	<b>56.61%</b>	
3	D.S Nirmohi	Punjab	47	5	1	90.40%	
					2	87.20%	
					3	78.90%	
					4	72.70%	
					5	82.40%	
					<b>Average</b>	<b>82.60%</b>	
4	K.K.C Dora	Orissa	74	5	1	75.00%	
					2	77.00%	
					3	97.00%	
					4	94.00%	
					5	90.20%	
					<b>Average</b>	<b>86.60%</b>	



#	Name	State/ Organisation	Total Works Inspected	No of Reports Reviewed	% Marks Obtained		Remark
5	K.H Waghmare	Karnataka	39	5	1	75.00%	
					2	65.12%	
					3	65.67%	
					4	64.78%	
					5	50.61%	
					<b>Average</b>	<b>63.82%</b>	
6	S.D Bajaj	Delhi	51	5	1	90.80%	
					2	72.60%	
					3	60.70%	
					4	81.70%	
					5	90.40%	
					<b>Average</b>	<b>79.80%</b>	
7	D.L Vaidya	H.P	40	5	1	82.20%	
					2	90.10%	
					3	60.80%	
					4	60.30%	
					5	94.00%	
					<b>Average</b>	<b>76.40%</b>	
8	K.A Thomas	Kerala	42	5	1	91.53%	
					2	87.50%	
					3	89.29%	
					4	92.54%	
					5	77.55%	
					<b>Average</b>	<b>87.69%</b>	
9	Girdharilal Chaudhary	Rajasthan	76	5	1	61.62%	
					2	78.48%	
					3	86.13%	
					4	80.59%	
					5	89.65%	
					<b>Average</b>	<b>78.65%</b>	

#	Name	State/ Organisation	Total Works Inspected	No of Reports Reviewed	% Marks Obtained		Remark
10	G.Someswara Rao	A.P.	41	5	1	92.20%	
					2	70.80%	
					3	89.50%	
					4	78.70%	
					5	88.00%	
					<b>Average</b>	<b>83.80%</b>	
11	V.R. Jayadas	Kerala	54	5	1	87.18%	
					2	81.82%	
					3	90.24%	
					4	85.51%	
					5	92.68%	
					<b>Average</b>	<b>87.49%</b>	
12	P.K. Kar	Orissa	69	5	1	56.20%	
					2	53.90%	
					3	60.90%	
					4	68.30%	
					5	76.60%	
					<b>Average</b>	<b>63.40%</b>	
13	Pooran Mal	Rajasthan	58	5	1	89.30%	
					2	82.60%	
					3	24.20%	
					4	88.80%	
					5	43.00%	
					<b>Average</b>	<b>70.00%</b>	
14	P.C. Jain	M.P.	83	5	1	88.23%	
					2	90.00%	
					3	85.50%	
					4	93.10%	
					5	92.41%	
					<b>Average</b>	<b>89.85%</b>	

#	Name	State/ Organisation	Total Works Inspected	No of Reports Reviewed	% Marks Obtained		Remark
15	S.C. Gupta	Uttaranchal	62	5	1	84.44%	
					2	80.28%	
					3	79.59%	
					4	83.00%	
					5	72.61%	
					<b>Average</b>	<b>80.00%</b>	
16	S.C Mahajan	H.P.	55	5	1	98.00%	
					2	97.00%	
					3	95.00%	
					4	81.94%	
					5	78.06%	
					<b>Average</b>	<b>89.90%</b>	
17	T.K. Mukhopadhyay	W.B.	46	5	1	99.00%	
					2	98.80%	
					3	86.00%	
					4	76.70%	
					5	87.00%	
					<b>Average</b>	<b>89.40%</b>	
18	S.K. Roy	W.B.	53	5	1	76.80%	
					2	82.30%	
					3	85.60%	
					4	83.60%	
					5	84.50%	
					<b>Average</b>	<b>83.60%</b>	
19	Sukumar Ghosh	W.B.	56	5	1	93.94%	
					2	77.03%	
					3	77.94%	
					4	90.28%	
					5	77.97%	
					<b>Average</b>	<b>83.43%</b>	

#	Name	State/ Organisation	Total Works Inspected	No of Reports Reviewed	% Marks Obtained		Remark
20	P.C. Gupta	H.P.	54	5	1	40.50%	
					2	50.70%	
					3	57.70%	
					4	76.80%	
					5	75.00%	
					<b>Average</b>	<b>59.80%</b>	
21	M.S. Chauhan	H.P.	75	5	1	80.95%	
					2	85.55%	
					3	78.87%	
					4	73.91%	
					5	79.01%	
					<b>Average</b>	<b>78.13%</b>	
22	K.S Virdi	Punjab	87	5	1	81.50%	
					2	80.00%	
					3	71.60%	
					4	70.50%	
					5	65.67%	
					<b>Average</b>	<b>73.90%</b>	
23	P.N Padhi	Orissa	49	5	1	79.45%	
					2	72.60%	
					3	83.56%	
					4	87.35%	
					5	86.84%	
					<b>Average</b>	<b>81.94%</b>	
24	N.Dushantha Kumar	Kerala	43	5	1	68.57%	
					2	93.50%	
					3	74.30%	
					4	87.50%	
					5	87.36%	
					<b>Average</b>	<b>82.24%</b>	

#	Name	State/ Organisation	Total Works Inspected	No of Reports Reviewed	% Marks Obtained		Remark
25	D.K Sharma	H.P	67	5	1	80.00%	
					2	71.60%	
					3	87.30%	
					4	84.70%	
					5	82.60%	
					<b>Average</b>	<b>81.20%</b>	
26	P.S Pandey	U.P	94	5	1	93.30%	
					2	50.70%	
					3	80.00%	
					4	83.00%	
					5	73.30%	
					<b>Average</b>	<b>76.10%</b>	
27	C.L Gupta	MES	44	5	1	52.45%	
					2	69.01%	
					3	67.60%	
					4	74.35%	
					5	80.80%	
					<b>Average</b>	<b>68.84%</b>	
28	Banbir Das	MES/Orissa	75	5	1	90.48%	
					2	77.78%	
					3	85.71%	
					4	73.75%	
					5	80.95%	
					<b>Average</b>	<b>81.73%</b>	
29	P.L Bhandari	U.P	104	5	1	57.80%	
					2	73.30%	
					3	63.40%	
					4	82.40%	
					5	57.30%	
					<b>Average</b>	<b>67.20%</b>	

### Cases of Performance Evaluation of NQMs - Who Graded the Works only Satisfactory

#	Name	State/ Organisation	Total Works inspected	No of Reports Reviewed	% Marks Obtained		Remark
1	B.C.Agrawal	Rajasthan	34	5	1	89.3	
					2	60	
					3	84	
					4	92	
					5	91.6	
					<b>Average</b>	<b>83.5</b>	
2	P.N. Sahu	Orissa	28	5	1	77.8	
					2	86	
					3	69	
					4	80	
					5	76	
					<b>Average</b>	<b>77.8</b>	
3	N.K Agarwal	U.P	23	5	1	70.8	
					2	50	
					3	47.94	
					4	49.23	
					5	59.23	
					<b>Average</b>	<b>55.82</b>	

### Performance Review of NQM on Special Cases

#	Name	State/ Organisation	State/ District Inspected	No of Reports Reviewed	% Marks Obtained	Remark
1	M.D. Tiwari	MP	Chhattisgarh - Raipur	1	17.07%	
			Uttar Pradesh - Pratapgarh	1	17.64%	
2	P.C. Jain	MP	Uttar Pradesh - Pratapgarh	1	84.44%	
3	D.S. Nirmohi	H.P	Uttar Pradesh - Pratapgarh	1	29.41%	
4	H.C. Gupta	Rajasthan	Tamil Nadu - Pudukotai	5		In all 5 cases NQM has inspected the site at very beginning stage and without any works started at site. Therefore, the NQM not followed the guidelines of PMGSY.
5	R.B. Ladha	Maharashtra	MP/UP	13	72.26%	Fabricated Test reports submitted by NQM
6	K.C. Sharma	Rajasthan	Maharashtra - Nandurbar, Dhule and Nashik	8	42.90%	Difference in report and grading.
7	G.C. Mathur	Rajasthan	Maharashtra - Nandurbar	1	18.46%	
8	J.R Jasuja	Rajasthan	Maharashtra - Nandurbar	1	67.64%	

### State Quality Audit under Pradhan Mantri Gram Sadak Yojana

#### 1.0 Introduction:

A three tier Quality Mechanism has been operationalized under Pradhan Mantri Gram Sadak Yojana (PMGSY). The first and second tier of quality mechanism has been operationalized by many States but there are few States where full operationalization is yet to be done. The third tier is being supervised by NRRDA and is functioning satisfactory.

For effective monitoring of quality management system, it has been prescribed that Annual Quality Report shall be prepared by SQC and submitted to SRRDA and SLSC. Clause 11.5.4 of Operations Manual under the functions of SQC provides for preparation of this report as under:

*“an Annual Quality Report based on reports of NQMs and SQMs, identifying systemic and procedural deficiencies in the quality management system and submit the report for consideration of SRRDA and SLSC”.*

It has been observed that the above provision is not generally followed by the States, in spite of the fact that the compliance of above provision would enable States to clearly identify systemic deficiencies in quality management system. Therefore, the States may have to be persuaded to strictly adhere to the above provision. However, mere preparation of Annual Quality Report may not be adequate to ensure the operationalization of quality mechanism in its right spirit unless there is an independent check / mechanism in position to flag the gaps in quality as well as to operationalise the quality mechanism effectively.

#### 2.0 State Quality Audit:

Quantitative and qualitative analysis of implementation of the three tiers is likely to show the implementation gaps and also the systemic and procedural deficiencies of the system in the respective States. Therefore, it is proposed to set up a system of State Quality Audit. The basic objectives of State Quality Audit could be as under:

- To assess overall impact of quality mechanism under PMGSY.
- To identify the gaps in operationalization of first tier of quality mechanism.
- To identify the gaps in operationalization of second tier of quality mechanism.



- To identify the gaps in operationalization of third tier of quality mechanism.

It is proposed to conduct Quality Audit of States once a year or at such intervals as may be decided, as per the details given below:

### **3.0 State Audit Team:**

The responsibility of State Audit may be given to the identified STA/PTA. A team headed by the STA/PTA Coordinator may be constituted with the following composition:

- STA/PTA Coordinator (Professor essentially having background of transportation/geotechnical engineering)
- 1 Assistant Professor having background of transportation/geotechnical engineering
- 2 Research Associates and appropriate staff for collecting samples and testing them in laboratory.
- The team shall also have 1 senior retired engineer of repute, identified by NRRDA.

### **4.0 Audit Sample:**

A sample of minimum 5% of works, comprising 50% completed and 50% ongoing are to be selected by the Audit team for field tests and analysis.

### **5.0 Work to be carried out:**

The Quality Audit team shall examine the quality of works through detailed inspection of work including examination of records. The assessment of the following shall be done by the State Audit Team.

#### **5.1 First Tier of Quality Mechanism:**

- Whether field laboratory established by the contractor. If so, what was its composition?
- How many tests of various types were required, as per Specifications, how many were conducted in the field laboratory, how many were conducted outside the field laboratory and how many tests were not conducted?
- Whether tests results recorded in the prescribed format?
- What is the overall effect of first tier on quality of work?

#### **5.2 Second Tier of Quality Mechanism:**

- What are the prescribed procedures, guidelines and reporting formats for second tier of quality mechanism?
- How many inspections and at what stages were carried out by State Quality Monitors (SQMs) on the selected work?
- What were the observations of SQMs?
- Whether the observations of SQMs were logical? (For this a comparison of observations of SQM shall be made with the field observations of the Audit Team).
- Whether timely action was taken on observations of SQMs and whether action taken was adequate?

### **5.3 Third Tier of Quality Mechanism:**

- At what stage and how many inspections were carried out by National Quality Monitors (NQMs) on the selected work?
- Assessment about the quality / adequacy of observations by NQMs based on the hand feel and other types of tests by NQM.
- Whether the observations of NQMs were logical? (For this a comparison of observations of NQM shall be made with the field observations of the Audit).
- Whether timely action was taken by PIU on the observations of NQM?

### **6.0 Reporting:**

The Audit Team would prepare detailed report which should include introduction, methodology, detailed work-wise observations and analysis followed by conclusions and recommendations. The recommendations for improvement / refinement of the system shall be based on the summary of findings on individual samples and shall also include the following:

- a. What are the suggestions / recommendations for improvement in prescription for the first tier of quality mechanism?
- b. What are the suggestions / recommendations for improvement for the second tier quality mechanism at the SRRDA level?
- c. What are the suggestions / recommendations for improvement for the third tier quality mechanism?

### **7.0 Remunerations:**

Suitable remuneration for the work shall be worked out in consultation with respective STA/ PTA depending on the extent of work.

**Additional Agenda Item for the Executive Committee meeting on 3<sup>rd</sup> October 2008**

**Revision of rates of Transport Allowance.**

Transport allowance provided under the NRRDA pay and allowances byelaws 2004 is based on the Govt of India rates decided earlier. (copy attached) With the implementation of the 6<sup>th</sup> Pay commission recommendations, Govt. of India has revised the rates of the Transport Allowance . ( copy attached) It is proposed that the said rules may be adopted for NRRDA also.

Submitted for the approval of the Executive Committee