

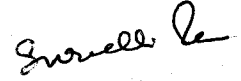
P-17025/2/2016-RC
Government of India
Ministry of Rural Development
Department of Rural Development
Rural connectivity Division

Krishi Bhawan, New Delhi
Dated the 15th February, 2018

Subject: Minutes of Regional Review Meeting (RRM) of PMGSY held on 18-19 January, 2018 at Udaipur, Rajasthan

The undersigned is directed to enclose herewith minutes of Regional Review Meeting held on 18-19 January, 2018 at Udaipur, Rajasthan to review implementation of PMGSY in the States of Gujarat, Maharashtra, Rajasthan, Himachal Pradesh, Jammu & Kashmir and Uttarakhand for necessary action.

2. This issues with the approval of Joint Secretary (RC).



(Dr Surabhi Rai)
Deputy Secretary (RC)
Tel No 011-23383006

To

The Principal Secretaries/Secretaries of the States dealing with implementation of PMGSY in the States of Gujarat, Maharashtra, Rajasthan, Himachal Pradesh, Jammu & Kashmir and Uttarakhand.

Copy to: PPS to SRD/PPS to AS&FA/PPS to JS(RC)/All Directors of NRRDA

**MINUTES OF THE REGIONAL REVIEW MEETING OF PMGSY HELD ON
18-19 JANUARY, 2018 AT UDAIPUR, RAJASTHAN**

Participating States: Gujarat, Himachal Pradesh, Jammu & Kashmir, Maharashtra, Rajasthan and Uttarakhand

The Regional Review meeting of Pradhan Mantri Gram Sadak Yojana (PMGSY) for the States of **Gujarat, Himachal Pradesh, Jammu & Kashmir, Maharashtra, Rajasthan and Uttarakhand**, was held on 18-19 January, 2018 at Udaipur under the chairmanship of Smt. Alka Upadhyay, Joint Secretary (RC), MoRD & DG, NRRDA.

At the outset, Chief Engineer (PMGSY), Public Works Department, Government of Rajasthan welcomed the chair, Deputy Secretary (RC), MoRD, Directors of NRRDA and State representatives & expressed gratitude on behalf of the State Government for having been given the opportunity to organize this Regional Review Meeting of PMGSY at Udaipur.

On the first day, presentation of "PMGSY National perspective" and item-wise review was carried out by JS (RC) & DG, NRRDA and other concerned Directors of NRRDA.

On the second day, the specific inputs from STA and NQMs were discussed. In addition, Chief Quality Coordinator (CQC) made a presentation on "Quality Mechanism", Dr. A.K. Sarkar made a presentation on DPR Scrutiny, Dr. G.J. Joshi, Coordinator, STA, SVNIT, Surat, Gujarat made a presentation on "Quality Control Testing Procedures", Mr. Alok Pandey (Bridge Expert), made a detailed presentation on "Process of Bridge Construction" Mr. RK Srivastava and Mr. Narsimhan, National Quality Coordinators (NQMs) made a presentation on "Quality Issues in PMGSY Roads".

JS(RC) & DG, NRRDA in her opening remarks highlighted about **PMGSY National perspective** and requested the States for constant and timely updation of data on OMMAS on daily basis to reflect the actual physical progress at National level. **States must quickly utilize the available financial resources and submit the utilization certificates promptly to the Ministry, for facilitating further releases by the Ministry. Quality of works and maintenance to be given utmost**

importance, 95% works to be satisfactory, 85% roads maintenance works to be satisfactory. All PMGSY works to be completed by March 2019. Use of Green Technology in construction of road works in order to achieve the target of 10,082 km, GIS mapping to be complete by March 2018. The creation of web based GIS for PMGSY is a time bound project and the Ministry of Rural Development intends to launch this project fully in early 2018. Geo spatial mapping by March 2019 and complaints received on "Meri Sadak Application" to be verified randomly to see ground truth and the satisfaction of the complainant. State of Gujarat, Jammu & Kashmir and Maharashtra are required to expedite the procedure of notification of State specific rural roads maintenance policy. Ministry has started giving financial incentives to the states based on their performance, which can be used for periodic maintenance of PMGSY roads and one of the eligibility parameters for receiving such incentives is to notify State Rural Roads Maintenance Policy.

JS (RC) & DG, NRRDA informed that PMO and NITI Aayog are also aggressively monitoring the status of progress of PMGSY regularly on OMMAS, hence States are required to allocate remaining targets PIU-wise and month-wise and prepare plan of action to achieve the targets in terms of length and habitations within the stipulated time-frame, duly adhering to prescribed quality parameters. States must regularly update the data on OMMAS in terms of progress and R&D data. DG, NRRDA also opined that purity of data on OMMAS is critical.

JS (RC) & DG, NRRDA further informed that nationally 81% habitations have already been connected out of total eligible habitations target of 1,78,184. 32,016 habitations are in the progress and 1,424 habitations are balance for sanction. Efforts should be taken to achieve 100% targets by March 2019. States are also required to update their habitation master on OMMAS considering habitations already connected under States schemes / incidentally connected. SRRDA should take action for expeditious submission of DPRs in respect of unconnected habitations under PMGSY to the Ministry after reconciliation of such habitations.

JS (RC) & DG, NRRDA also highlighted the progress in terms of habitations connectivity and length constructed during 2017-18. Out of total habitations target of 15,000 and against 7,500 upto 3rd Qtr target, 6,342 habitations have been

connected nationally. Out of total 15,000 habitations, the target of Gujarat is 10, Himachal Pradesh 220, Jammu & Kashmir 400, Maharashtra 40, Rajasthan 800 and Uttarakhand 300 habitation. Against the targets, 6, 45, 113, 11,618 and 84 habitations have already been connected in these states respectively. Chief Engineer, Rajasthan informed that only 700 habitation out of 800 will be achieved by March, 2018. Similarly, in terms of length achievement, out of total national target of 51,000 km, and against the half yearly target of 25,500 km, nationally 24,670 km road lengths have been constructed upto 3rd Quarter. Out of 51,000 km length target, share of Gujarat is 50 km, Himachal Pradesh 1700 km Jammu & Kashmir 1700, Maharashtra 900, Rajasthan 3200 and Uttarakhand 1500. Against annual target 28 km, 1341 km, 133 km, 287 km, 2018 km and 888 km respectively have been achieved by the States. Chief Engineer, Maharashtra ensured that 750 km road length will be achieved against the target of 900 km by March, 2018. Chief Engineer, Uttarakhand has assured to complete 1600 km of road length as against the target by March, 2018. Per day km length achievement in case of Gujarat is 0.10 km Himachal Pradesh 4.88 km, Jammu & Kashmir 3.75 km, Maharashtra 1.04 km, Rajasthan 7.70 km and Uttarakhand 3.23 km. The State of Jammu & Kashmir, Maharashtra and Uttarakhand have to increase their pace of construction. The details of left out habitations for sanction under New Connectivity for the States of Gujarat, Himachal Pradesh, Jammu & Kashmir and Uttarakhand was also discussed.

Further, regarding target length of new technology to be constructed 2017-18, States were advised to increase the pace of construction of road works to be constructed using "Green Technology" and to direct all the PIUs to make regular entries of R&D stretches on OMMAS, in case of roads converted from traditional technologies to new technologies. The progress module should also be updated regularly even for partial completion of the R&D stretch of such roads. States were requested to ensure that the prescribed targets for R&D are achieved in 2017-18 on a priority basis. Out of total annual target of 10,000 km, share of Gujarat is 33 km Himachal Pradesh is 448 km, Jammu & Kashmir is 163, Maharashtra 195 km Rajasthan 516 km and Uttarakhand 121km. As per data uploaded on OMMAS, 50.06 km, (GJ) 54.55 km (HP) 6.16 k (J&K), 60.88 km (MH) 761.54 km (RJ) and 18.27 km (UT) road length have been constructed respectively using new technologies. **Director (Technical) advised the states of Himachal Pradesh, Jammu & Kashmir and Uttarakhand to promote more and more use of CC roads, in order to expedite the completion of roads under R&D.**

State of Himachal Pradesh was advised to get the sanction of balance 1,615 km out of their total target of upgradation under PMGSY-I before transit to PMGSY-II.

(Action: All States)

JS (RC) & DG, NRRDA informed that for 2017-18, the budgetary allocation for PMGSY is Rs. 19,000 crore and stated that Ministry is in a position to provide adequate financial resources to the States to ensure timely achievement of annual targets.

JS (RC) & DG, NRRDA desired that a dedicated system must also be in place for the roads covering under post 5 years maintenance. Sufficient funds should be earmarked for this purpose by the States. This would ensure that the high investments made in creation of road assets are protected over the entire design life of PMGSY roads. Performance Based Maintenance System (PBMS) should be in place.

(Action: All States)

Regarding GIS, Chief Engineer, Gujarat informed that all layers of 225 blocks completed. Jammu & Kashmir, Chief Engineer assured that by end of March, 2018 all pilot blocks will be completed. JS (RC) & DG, informed that official from CDAC GIS team and one official from NRRDA (looking after GIS works) visit Jammu to assist SRRDA for completion of GIS works in the remaining blocks. Pilot block QC pending and OMMAS updation is in progress in Maharashtra, Chief Engineer assured that by end of Feb. 2018 all activities will be completed. In Rajasthan, Chief Engineer, Rajasthan informed that recently agency has been fixed for GIS and by end of March, 2018 all activities will be completed. Pilot block QC has already submitted to C-DAC. Himachal Pradesh and Uttarakhand, GIS completed and soft launched on 15-12-2017.

(Action: Jammu & Kashmir, Maharashtra and Rajasthan)

Director (Projects-I) reviewed in respect of the following issues:

Gujarat has completed 4,432 works out of 4,464 works sanctioned under PMGSY I and 11,364 km length has been constructed out of 11,540 km sanctioned. State has completed 27 works (4432-4405) from the last RRM. The State has to still complete 32 works (19 roads and 13 bridge works) as per OMMAS. Chief Engineer assured that 13 bridge works will be completed by end of June, 2018. Under PMGSY II, 108 works has completed out of 109 works and 1170 km length has been constructed out of 1180 km. Chief Engineer informed 1 pending road work will be completed by March, 2018. State was advised to focus particularly on roads (10 nos.) which are pending for more than 4 years old and submit the plan of action. Chief Engineer informed that out of 10 works, 2 works are pending due to forest clearance, 5 works are due to land acquisition issues and remaining 5 works have already completed through other State schemes. Director (Projects-I) briefed about proposed plan of action for completion of balance length within the remaining three months. State was advised to plan the strategy to complete the balance target of 22 km road length out of 50 km for 2017-18 accordingly.

Himachal Pradesh has completed 1,685 works out of 2,465 works sanctioned and 10,141 km length has been constructed out of 14,270 km sanctioned under normal PMGSY. State has completed 52 works (1685 - 1633) from the last RRM. The State has to still complete 780 works (732 roads and 48 bridge works). Under World Bank RRP-I, 208 works has completed out of 214 and 1230 km length has been constructed out of 1299 km. State has to still complete 6 works. Chief Engineer informed that remaining 6 road works pertaining to District Chamba are proposed for dropping. Under World Bank, RRP-II remaining 67 works (64 roads and 3 bridges) out of 416 works (390 roads and 26 bridges) will be completed by end of March, 2018. State was advised to focus particularly 101 road works which are pending for more than 4 years. Chief Engineer informed that only 100 works are pending, out of which 12 road works will be proposed for dropping, out of remaining 88 works, 57 works will be completed by end of June, 2018 (6 in Jan, 19 in March, 4 each in April and May and 24 in June). The State further assured to connect 70- 80 unconnected habitations will be connected out of the total target of 220 for 2017-18 by March 2018.

Director (Projects-I) briefed about proposed plan of action for completion of balance length within the remaining three months. State was advised to plan the

strategy to complete the balance target of 359 km road length out of 1700 km for 2017-18 accordingly.

Chief Engineer, Himachal Pradesh also assured to award 220 unawarded works out of 221 works sanctioned in 2017-18 by 28th February, 2018. Further state will drop the 3 works out of 10 unawarded works upto 2013.

Jammu & Kashmir has completed 1484 works out of 2726 works sanctioned and 7998 km length has been constructed out of 14881 km sanctioned under PMGSY. State has completed 101 works (1484 - 1383) from the last RRM. The State has to still complete 1242 works (1129 roads and 113 bridge works). State was advised to focus particularly 525 road works (496 roads and 29 bridge) which are pending for more than 4 years. Chief Engineer informed that there are not getting much contractors. The State was advised to increase the PIUs and also encourage the contractors of neighbouring states in order to complete the work at the earliest.

Director (Projects-I) briefed about proposed plan of action for completion of balance length within the remaining three months. State was advised to plan the strategy to complete the balance target of 767 km road length out of 1800 km for 2017-18 accordingly.

The State was advised to award the unawarded works upto 2013 (126 works) and 55 works of 2014-16. Chief Engineer, Jammu informed that out of total 180 works (upto 2013 and 2014-16) 90 works are from problematic areas.

Maharashtra has completed 6026 works out of 6198 works sanctioned and 23411 km length has been constructed out of 24588 km sanctioned under PMGSY-I. State has completed 13 works (6026 - 6013) from the last RRM. The State has to still complete 172 works (124 roads and 48 bridge works). Chief Engineer, PMGSY informed that 1 road work of 2004-05 of Sativaivadi will be completed by February, 2018. State also assured to complete 24 bridge of 2012-13 by March, 2018 and remaining 20 bridges by March, 2019.

Under PMGSY II, 405 works has completed out of 493 works and 2347 km length has been constructed out of 2619 km. State assured that balance 88 works

(72 roads and 16 bridges) will be completed by March, 2018. State was advised to focus particularly on 121 works pending from 2-4 years and 93 works pending from more than 4 years..

Director (Projects-I) briefed about proposed plan of action for completion of balance length within the remaining three months. State was advised to plan the strategy to complete the balance target of 713 km road length out of 900 km for 2017-18 accordingly.

The State was advised to award the unawarded works upto 2013 (34 works) and 46 works of 2017. Chief Engineer, Maharashtra informed that out of 34 works unawarded upto 2013, 25 works are from Gadchiroli district (LWE).

Rajasthan has completed 11,553 works out of 11,724 works sanctioned and 46,637 km length has been constructed out of 48,537 km sanctioned under PMGSY-I. State has completed 834 works (11,553-10,719) from the last RRM. The State has to still complete 171 works. Under World Bank RRP-I, only 5 works are left for completion. Chief Engineer informed that 5 works are proposed for de-sanction. Under World Bank RRP-II, balance 96 works, 30 works already proposed for de-sanction. State was advised to award the newly sanctioned 395 works (389 roads and 6 bridges) under PMGSY-II (2017-18).

Director (Projects-I) briefed about proposed plan of action for completion of balance length within the remaining three months. State was advised to plan the strategy to complete the balance target of 681 km road length out of 3,200 km for 2017-18 accordingly. Chief Engineer requested to reduce the target of habitations 750 from 800 to be connected during 2017-18.

Uttarakhand has completed 770 works out of 1235 works sanctioned and 6603 km length has been constructed out of 9873 km sanctioned under PMGSY-I. State has completed 53 works (770 - 717) from the last RRM. The State has to still complete 465 works (452 roads and 13 bridges). Chief Engineer informed that 40 works are held up due to forest clearance, 12 are re-tendering stage, 30 works, 60 works and 77 works will be completed by March, June and December, 2018. Chief Engineer also informed that 252 proposals of Stage-II will be submitted by 15th Feb. 2018 to NRRDA. Director (Technical) informed that shortly review meeting with PIUs and contractors of Jammu & Kashmir and Uttarakhand will be organized

either in Jammu or Dehradun. Under World Bank RRP-II, Chief Engineer informed that out of balance 53 works (44 roads and 8 bridges), 8 works, 22 works and 23 works will be completed by March, June and November, 2018 respectively. States was also advised to focus on works pending for 2-4 years (85 works) and 50 works of more than 4 years. There are total 246 works yet to be awarded by the State. Chief Engineer, Uttarakhand informed that out of 216 non awarded works for the year 2017-18, 57 works are already awarded, NIT issued for 27 works, and bids have been received for 48 works and the bids are under evaluation. The state will award 75 works (48+27) by February, 2017. DG, NRRDA suggested that there should a pre-bid meeting with PIUs and Contractors at SRRDA level in order to resolve the issues related to tendering.

Director (Projects-I) briefed about proposed plan of action for completion of balance length within the remaining three months. State was advised to plan the strategy to complete the balance target of 612 km road length out of 1,500 km for 2017-18 accordingly.

Regarding physical progress related to LWE district, Director (Projects-I) informed that out of 231 works of Gadchiroli district of Maharashtra covering length of 1048 km 196 works have been completed by the State covering length of 775 km and remaining 35 works are in progress.

Director (Projects-I) reviewed the maintenance status for the last 5 years and current year:

Under Maintenance, **Gujarat** has spent only 100% in 2012-13, 97% in 2013-14, 78% in 2014-15, 55%, 63% in 2015-16 & 2016-17 it is 100%. State has poor maintenance performance during 2014-15 & 2015-16. During 2017-18 upto Nov, 17, against requirement of Rs. 25.10 crore, only Rs.8.83 crore (35%) has been spent on maintenance. Overall Unsatisfactory Quality grading reported by NQM on Maintenance has been 8.82%. State was advised to improve the maintenance of roads.

Himachal Pradesh has spent 100% expenditure on roads during 2012-13 to 2016-17. During 2017-18 upto Nov, 17, against requirement of Rs. 6.72 crore, only Rs. 2.60 crore (39%) amount has been spent on maintenance. Overall Unsatisfactory Quality grading reported by NQM on Maintenance has been 34.78%.

State was advised to improve the maintenance of roads. State was also advised, if trainings are required for contractor engineers, proposal can be submitted.

Jammu & Kashmir has spent only 1% in 2012-13, 17% in 2013-14, 27% in 2014-15, 17% in 2015-16 and 2016-17 it is 22%. State has poor maintenance performance during the last 5 years. During 2017-18 upto Dec, 17, against requirement of Rs. 6.54 crore, Rs. 4.56 crore (70%) has been spent on maintenance. Overall Unsatisfactory Quality grading reported by NQM on Maintenance has been 27.18%. State was advised to improve the maintenance of roads.

Maharashtra has spent 100% during 2012-13 to 2014-15. 96% in 2015-16 and during 2016-17 it is 91%. During 2017-18 upto Dec, 17, against requirement of Rs. 27.35 crore, Rs. 14.09 crore (52%) has been spent on maintenance. Overall Unsatisfactory Quality grading reported by NQM on Maintenance has been 22.26%.

Rajasthan has spent 100% in 2012-13, 83% in 2013-14, 74% in 2014-15, 43% in 2015-16 and 2016-17 it is 48%. State has poor maintenance performance during 2015-16 & 2016-17. During 2017-18 upto Dec, 17, against requirement of Rs. 55.08 crore, only Rs. 4.62 crore (8%) has been spent on maintenance. Overall Unsatisfactory Quality grading reported by NQM on Maintenance has been 25.31%. State was advised to improve the maintenance of roads.

Uttarakhand has spent 75% in 2012-13, 100% in 2013-14, 80% in 2014-15, 100% in 2015-16 and 2016-17. State has poor maintenance performance during 2012-13 & 2014-15. During 2017-18 upto Nov, 17, against requirement of Rs. 16.50 crore, Rs. 4.79 crore (29%) has been spent on maintenance. Overall Unsatisfactory Quality grading reported by NQM on Maintenance has been 60%. State was advised to improve the maintenance of roads.

States were requested to make every possible effort for proper maintenance of PMGSY roads and increase the pace of expenditure on account of maintenance and to make corresponding entry on OMMAS also. Further, to evolve a dedicated system within SRRDA to closely monitor the maintenance of completed PMGSY projects, so that the unsatisfactory grading of roads under maintenance period is substantially reduced.

(Action: All States)

Director (Technical) reviewed the following for all the States

Regarding the up-dation of eligible unconnected habitations as per cabinet approval and data reconciled by the States, **Director (Technical) requested all the participating States to provide the details of eligible habitations, already sanctioned habitations and connected under PMGSY and also state connected habitations. Further, Director (Technical) informed that the data provided in the format will be taken as final reconciled habitation data of the State and further changes will not be permitted.**

Director (Technical) highlighted the gaps in respect of clearances issued by MoRD from time to time and advised all the States to correct the online data with respect to year of sanction, Phases/ Batches, Value in Crores, No. of Roads, No. of Bridges, length etc. on OMMAS, for which States have agreed. He further advised the States to reconcile the year of sanction for all road works, as it appears that year of sanction reported on OMMAS is not in accordance with the year of clearance letter issued by the Ministry.

(Action: All States)

Regarding R&D technology, the States to take appropriate action to achieve the R&D targets of 10,000 km fixed for the year 2017-18. Director (Tech) informed to identify the already sanctioned works for change from convention methods to new technology. States are free to use of cold mix to waste plastic, no further approval is required from the Ministry/NRRDA. The States were requested to upload the chainage wise and stage-wise physical progress of New Technology works regularly on OMMAS first in the "Proposal Module" and then the "Progress Module" by the concerned PIUs. In this regard, an advisory to all the States has already been issued and also available on PMGSY website www.pmgysy.nic.in. **He advised all the States to upload exact length of technology, cost, photographs and performance evaluation reports done by STA/PTA for R&D works on OMMAS and suggested that the change of technology needs to be reflected on OMMAS also.**

Director (Projects-III & CQC) reviewed the quality issues of the States as below:

1st Tier:

Based on OMMAS data, in Himachal Pradesh, out of 436 packages involved in awarded works, field lab has not been established for 94 packages (22%).

Jammu & Kashmir, 596 packages involved in awarded works, field lab has not been established for 275 (46%). Uttarakhand, 239 packages involved, field lab has not been established for 11 packages (5%), Gujarat, 20 packages involved, field lab has not been established for 1 package (5%), Maharashtra, 154 packages involved, 8 packages (5%) where field lab not established and in Rajasthan, 116 packages involved, 4 packages (3%) where field labs has not been established. **It is also mentioned that SQM inspections have already been conducted for these packages,** it varies from 1 to 164 inspections. States were advised to expedite updating their lab details in all packages. All Chief Engineers & Superintending Engineers are required to check the field labs, maintenance of quality register by the contractors, PIUs etc in order to strengthen the quality Assurance, during their inspections. It was further clarified that it would be the personal responsibility of the concerned PIU and the SQC to ensure that the field lab details entered in OMMAS correspond to actual QC lab established in the field before making any payment to contractor. The SQCs were advised to carefully scrutinize the lab details / photos uploaded by the PIUs, while validating through their OMMAS login. Chief Engineer, Jammu assured that within one month's time all remaining field laboratories will be established. CQC informed that Secretary, Rural Development, Gol regularly monitored the status of laboratory on OMMAS.

SRRDA should strictly monitor the mandatory requirement of establishment of field laboratory for ongoing packages.

(Action: CQC / SQC)

Under the 2nd tier quality control mechanism, in Himachal Pradesh, there are 18 such works out of 165 works, where substantial payments have been made to the contractors but the inspections have not yet been conducted by SQMs even once. Jammu & Kashmir, out of 190 works 22 works where payments have been made to the contractors but the inspections have not yet been conducted. Uttarakhand, there are 6 works out of 15 works, where payments have been made. Gujarat, there are 21 works, 16 works where payments have been made to the contractors but the inspection have not yet been conducted. Maharashtra, total 30 works, 4 works where payments have been made and in Rajasthan, it is 91 works, 12 works where payments already made to the contractors.

As against the annual target, Himachal Pradesh has balance of inspection by SQMs is 262 (Total annual target is 835), Maharashtra has balance of inspections by SQMs is 44 (Total annual target is 313) and in Rajasthan it is 2,084 works out of total inspection target of 5,996. **States were advised to focus on the SQM inspections and liquidate the pending inspections on priority. States were also**

advised to smaller and more realistic monthly targets should be assigned to the SQMs. Chief Engineer of Himachal Pradesh and Maharashtra assured that remaining inspections will be conducted by end of March, 2018. Chief Engineer, Rajasthan assured that 80% of balance inspections (2,084 inspections) will be conducted by end of March, 2018.

Further, all the SQCs were asked to make sure that all the SQMs upload their inspection details through Mobile application only which has geo-referenced, time & date stamped information (photographs etc). **Himachal Pradesh and Gujarat States were advised to increase the uploading of their inspection reports along with the photographs through Mobile application.** CQC also advised State of Gujarat, if required proposal can be submitted to NRRDA for orientation of new appointed SQMs.

CQC also brought out that some of the SQMs had a tendency to inspect large no. of projects (>4 in a day) which could be indicative of casual inspections. During the period 1.4.16 to 12.01.18, there were 10 inspections of Himachal Pradesh, 8 inspections of Jammu & Kashmir, 2 inspection in Uttarakhand, 4 inspections of Gujarat, 5 inspections of Maharashtra and 471 inspections of Rajasthan wherein the SQMs had conducted four or more inspections in a day and most of these inspections were pertaining to completed or ongoing works projects. **The States were advised to rationalize the allocation of works assigned to SQMs for inspection.** CQC further advised all the SQCs to review the inspection report of those SQMs who have inspected road works more than 4 in a day, besides carrying out periodic performance evaluation of SQMs as per the prescribed guidelines issued to States.

Regarding 3rd Tier of Quality Control

As regards submission of Action Taken Report (ATR) of NQM inspections CQC brought out total 37 ATRs are still pending with Himachal Pradesh (i.e. 3 ATRs for completed works and 34 ATRs for ongoing works), out of this, 24 ATRs are SRI category, 1 ATR of on-going works is more than 3 years old. Jammu & Kashmir, total 64 ATRs (13 ATRs for completed works and 51 ATRs of On-going works). Out of 64 ATRs, 50 ATRs are SRI category and 14 ATRs are Unsatisfactory category. 12 ATRs are pending more than 3 years old and 6 ATRs are pending more than 3 years old, which requires immediate liquidation. Uttarakhand, total 19 ATRs of On-going category (10 ATRs of Unsatisfactory category and 9 ATRs belongs to SRT category). Gujarat, total 13 ATRs (11 ATRs of On-going and 2 ATRs of Completed works), out of these, 7 ATRs are SRI category. Maharashtra, total 13 ATRs (7 ATRs of

Completed and 6 ATRs of On-going category), 9 ATRs of SRI category and 4 ATRs of Unsatisfactory category. Rajasthan, total 45 ATRs are still pending (21 ATRs of Completed and 24 ATRs of On-going category).

Further, CQC requested to all CEs to give their personal attention and ensure that ATRs pending for more than five years should be submitted to NRRDA, otherwise NRRDA will have no option but to notify these works as having defects of non-rectifiable nature and further action in this regard would be taken as per the provisions for such cases. SRI category ATRs needs to be disposed off immediately.

The issue of Contractors whose works are not proposed for NQM inspections was also discussed. For the State of Himachal Pradesh, it emerged that there were 327 contractors involved in the on-going works, out of which there were 125 (38.22%) contractors who's none of the PMGSY works was inspected by NQMs in the State even once. In Jammu & Kashmir, there were 128 such contractors (70.71%) out of the total 181 contractors presently involved. Similarly in Uttarakhand, there were 91 contractors (34.86%) out of the total 261 contractors involved. In Gujarat, out of 82 contractors, 1 contractor's work (1.21%) not inspected by NQM. In Maharashtra, there are 292 contractors out of which 17 contractors (5.8%) who's none of the PMGSY works was inspected by NQMs. In Rajasthan, there are 328 contractors out of which 3 contractors (0.92%) who's none of the PMGSY works was inspected by NQMs. State Quality Coordinators (SQC)s were advised to ensure that these works are allocated for inspection to the NQMs, on a priority basis. The list of contractors is also downloaded from OMMAS.

The percentage of unsatisfactory projects reported by NQMs are as under:-
as on 21.11.2017

Name of the States		GJ	HP	JK	MH	RJ	UT
Completed Work	Total inspection	197	125	104	167	559	46
	Unsatisfactory	17	11	10	12	68	4
	% of U	8.63	8.80	9.62	7.19	12.16	8.70
Ongoing Work	Total Inspection	281	645	630	763	1109	418
	Unsatisfactory	27	61	49	102	110	77
	% of U	9.61	9.46	7.78	13.37	9.92	18.42

It was observed that the main reasons for unsatisfactory grading was due to inadequate compaction of sub-grade, less grain size, E/W and super elevation not proper, in-adequate compaction, less thickness, poor workmanship of CD works, Pavement including filling pot holes and patch, Lab not functioning and restoration of rain cuts and dressing of berms and making up of shoulders etc. States were

advised the States to ensure proper review of material procurement process, which would result in the contractors bringing adequate quantity of material on the site. States were asked to evaluate the PIU-wise performance and penalize the defaulting officials for poor quality monitoring and contract management.

(Action: All SRRDAs)

Maintenance works:

The NQMs during their inspection have reported about 34.78% of completed projects in the State of Himachal Pradesh were not maintained properly, Jammu & Kashmir is 27.18%, Uttarakhand is 60%, Gujarat is 8.82%, Maharashtra is 22.26% and Rajasthan it is 25.31% reported by the NQMs. CQC pointed out that the poor maintenance of rural roads in these States is a cause of serious concern. States were advised to put in place a comprehensive maintenance management and monitoring plan for PMGSY roads. The States need to closely monitor the availability of maintenance funds vis-a-vis., their actual expenditure to ensure that that the road network is maintained to the desired service levels. States should closely monitor the periodic and routine maintenance of completed PMGSY works, so that the "Unsatisfactory" grading of roads under maintenance period is substantially reduced.

CQC also presented details of complaints received in NRRDA during 2016-17 & 2017-18 for the participating States. 1 complaint pertains to Uttarakhand, 1 of Gujarat, 4 complaints in Maharashtra and 2 complaints of Rajasthan pending for ATR against NQM inspection. States were requested to liquidate these pending ATRs immediately.

Category-wise Complaints received on "Meri Sadak" Citizen Feedback system in respect of Slow Pace, Abundant Work and Poor quality was also discussed. Most of the complaints received on Poor Quality of works, it varies from 34.66% to 48.03%. CQC advised to take it on priority and review the status regularly. The concerned PIUs and the SQC ensure that this pendency is liquidated within a week and then for subsequent complaints the stipulated timelines are strictly adhered to.

(Action: All States)

Regarding Training programmes, Director (Technical) informed about Module-wise Training Programmes conducted from July, 2017 to December, 2017. 329 officials out of nominated 698 have been trained in different modules. Out of total 698 officials, 22 officials from Gujarat, 5 from Maharashtra, 74 from Rajasthan, 227 from Himachal Pradesh and 41 from Jammu & Kashmir were absent during the training period. States were asked to nominate more number of trainees and to see that all the nominated officers would attend without fail. In any circumstances, if nominated officers are not in a position to attend the training, State can replace other officer for participation under intimation to NRRDA prior schedule of training, so that funds can be fully utilized. Priority should be given to newly appointed engineers for training programmes. Various training modules are available on PMGSY website. States were also advised to appoint atleast 2 officers as Nodal officer for new technology at SRRDA level. Chief Engineer to be assured such officers remains at SRRDA atleast 2 to 3 years. States were requested to make sure that the nominated officials must attend the training programme. It was also discussed that the RCTRC should be make centre for excellence and developed specialized training courses for training.

Regarding Training on Rural Roads Maintenance for Engineers and Contractors in States, all six participating States have already completed training programmes. Chief Engineer, PMGSY Uttarakhand informed that 100% officers trained under PMGSY and some training programmes are left pertaining to Panchayati Raj (PR). **JS (RC) & DG desired that PTAs are required to develop specialized training courses for engineers of PIUs and contractors.**

Director (Technical) also highlighted the status of procurement of Laboratory and Survey equipments sanctioned under TA component of World Bank RRP-II Project, Chief Engineer, Gujarat informed that only Rs. 19 lakh has been utilized for procurement of equipments. State was advised to use the balance unutilized amount before 30th April, 2018 otherwise unspent amount surrender to NRRDA. Chief Engineer, Maharashtra informed that Rs. 171.53 lakh has been utilized and balance amount of Rs. 13.47 lakh will be utilized for procurement of additional equipments. Chief Engineer, Rajasthan informed that Rs. 38.38 lakh has been utilized and remaining amount has already surrender to NRRDA. Chief Engineer, Himachal Pradesh informed that Rs. 90.62 lakh has been utilized and remaining Rs.

39.88 lakh already surrender to NRRDA during March, 2017. Chief Engineer, Uttarakhand informed that Rs. 125.97 lakh has been utilized and UC for the same amount submitted to NRRDA. Balance Rs. 31.03 lakh has already surrender to NRRDA.

Regarding procurement of IT equipments sanctioned under TA component of World Bank RRP-II Project, Chief Engineer, Uttarakhand and Himachal Pradesh informed that all equipments have already been procured. Chief Engineer, Maharashtra informed that Rs. 16.38 lakh has been spent on procurement of equipments out of sanctioned amount of Rs. 15.96 lakh and UCs of the said amount already submitted to NRRDA. Chief Engineer, Jammu informed that by end of March, 2018 all necessary equipments will be procured. Chief Engineer, Rajasthan and Gujarat have informed that procurement is under process and will be completed before March, 2018. **States can be procured these equipments through GeM (Government-E-Market) also. States can be used unspent amount, if any for procurement of necessary equipments from one head to other head (unspent amount of Laboratory equipment and unspent amount of IT equipments).**

Director (Technical) also highlighted the status of Training Programme sanctioned B-5 Component under World Bank RRP-II Project, only Gujarat and Maharashtra States are covered under these programmes. Chief Engineer, Maharashtra informed that all 7 programmes have already completed (total 254 officers trained). Chief Engineer, Gujarat informed that out of total sanctioned 45 programmes, only 2 programmes have been completed (total 31 officers trained). **State of Gujarat was advised to complete balance programmes by end of April, 2018. Director (Technical) informed that World Bank is in the process of organizing one day workshop on TA component of World Bank RRP-II either in Hyderabad or other convenient place.**

Finance & Accounts Issues

Director (F&A), NRRDA briefed about common issues found in Balance Sheet of 2016-17 as well as R&P Module on OMMAS.

Gujarat

1. Outstanding Advances with Contractors for an amount of Rs. 0.62 crore (FC informed that Rs. 0.16 crore has been recovered out of Rs. 0.62 crore).
2. Diversion of fund (Rs. 64 lakh has been remains left and will be settled by end of March, 2018).
3. Mismatch in Manual Balance Sheet in comparison to OMMAS Balance Sheet.
4. Two separate Bank Accounts for Administrative Expenses Fund (by end of March, 2018 close one account).
5. Non submission of Management Letter issued by Statutory Auditor and Bankers Certificate for Interest Income. FC agreed to submit the Management Letter shortly.

Pending 76 final bills (1.67%) as on 11.1.2018 may be disposed off at the earliest.

Himachal Pradesh

S. N.	Observation	Amount (Rs. in Crore)
1.	Heavy Balance in Saving bank Account (Prog. Fund-138.94 & Admin. Fund-1.43).	140.37
2.	Outstanding advances (Contractor- 7.88; Mobilisation-9.21; Machinery-11.41; DPR Preparation-0.12 and Misc.-0.10). FC informed that out of total 28.72 crore outstanding advances, as on date only Rs. 17 crore are left.	28.72
3.	Outstanding Liabilities (Income Tax- 0.025, Commercial Tax- 0.075 and Amount payable to State Govt.-0.011). FC informed that Outstanding liabilities are due to wrong entries. The same will be correct at the earliest.	0.111
4.	Difference between figures of Misc. Receipts as per Utilization Certificate (5.48) and as per Balance Sheet(6.29).	0.81
5.	Pending Stale Cheque (Prog. Fund-0.31 & Admin. Fund-0.15).	0.46
6.	Stores issued to contractor. FC informed that only Rs. 9 lakh left out of 98 lakh.	0.98
7.	Royalty deducted but not deposited to the mining department (Auditor's Observation).	0.90
8.	Liquidated Damages not levied on delay completion of Work (Auditor's Observation).	

9.	Short Deduction of Security Deposit in Some Cases (Auditor's Observation).	
10.	Incorrect Utilization Certificate of Administrative Fund.	

Jammu & Kashmir

1.	<p>Balance Sheet for 2016-17 has not been received</p> <p>(FC informed that within 15 days, Balance Sheet for 2016-17 will be submitted).</p> <p>Implementation of OMMAS Month for which entries has been completed in OMMAS (R&P Module)</p> <ul style="list-style-type: none"> • Programme Fund:- Account revoked • Administrative Fund:- Not closed • Maintenance Fund:- Not closed
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Pending 497 final bills (33.49%) as on 11.1.2018 may be disposed off at the earliest.

Maharashtra

S. No.	Observation	Amount (Rs. in Crore)
1.	Heavy Balance in Saving bank Account (Prog. Fund) - FC informed that fund received during the last week of March, 17 has been converted in FDR in the first week of April, 17.	513.07
2.	Non Adjustment of DPR Expenses. (FC assured that by end of March, 2018, adjustment will be settled).	10.49
3.	Outstanding advances-advance against Contractor(Age-wise breakup & Status of Bank Guarantee) (State was advised to submit age-wise breakup and status of BG to NRRDA).	6.63
4.	Audited Balance Sheet has not been matched with OMMAS Balance Sheet. FC requested to revoke OMMAS so that we can match the Audited Balance Sheet with OMMAS based Balance sheet.	

5.	Non Submission of Audited Balance Sheet of Administrative Balance Sheet.	
6.	Income Tax Deduction was not as per prevailing rate in force (Auditor's Observation)	
7.	Liquidated Damages not Levied on delay completion of Work (Auditor's Observation)	

Pending 153 final bills (2.37%) as on 11.1.2018 may be disposed off at the earliest. Maintenance fund account not closed on OMMAS.

Rajasthan

S. N.	Observation	Amount (Rs. in Crore)
1.	Pending Stale Cheque (Prog. Fund).	1.25
2.	Difference between figures of Interest & Miscellaneous Incomes as per Utilization Certificate (22.03) and as per Balance Sheet (22.28)	0.25
3.	Outstanding advances-advance against Contractor (Age-wise breakup & Status of Bank Guarantee) (FC informed that only 0.14 crore has been left as outstanding advance).	2.07
4.	Balance of Investment in FDR not shown Separately	
5.	Miscellaneous Income not Shown Separately	
6.	Non Submission of Utilization Certificate and Income & Expenditure Account for Administrative Expenses Fund Account.	
7.	Insurance has not been carried out by the contractors as per the terms of contract (Auditor's Observation).	
8.	TDS not deducted on timely basis as well as not as per prevailing rate (Auditor's Observation).	
9.	Liquidated Damages not levied on delay completion of Work (Auditor's Observation)	
10.	Huge Demand of TDS was standing verified from TRACES site (Auditor's Observation)	

Pending 585 final bills (3.51%) as on 11.1.2018 may be disposed off at the earliest.

Uttarakhand

1. **Balance Sheet for 2016-17 provided during the meeting.**
2. State was advised to speed up the progress of uploading the maintenance expenditure on OMMAS. Pending 87 final bills (8.57%) as on 11.01.18 may be disposed off at the earliest.

Day 2 (19th January, 2018)

The Director (Projects-III & CQC), NRRDA informed that in some cases, the SQMs have conducted field inspections as high as 5 and more than 5 ongoing/completed projects in a day, which obviously cannot be done as per the guidelines prescribed for SQMs under 2nd tier of Quality Monitoring which requires the SQMs to carry all the requisite tests prescribed for grading of works. Such superficial inspections were unacceptable. It is observed that in Himachal Pradesh 7 times more than 5 inspections have been carried out by SQMs in a day. In case of J&K 1 time, Uttarakhand 2 times, Gujarat and Maharashtra 1 time and Rajasthan 168 times more than 5 inspections have been carried out by SQMs in a day. CQC informed that more than three inspections with requisite quality control tests are difficult to carry out by SQMs in a day. States were advised to maintain rational allocation of works to be done for SQMs. Monthly review should be done by SQC for reviewing the inspection report of the SQMs who have inspected road works more than 3 in a day.

Regarding delay in uploading inspection details of SQMs on OMMAS from April 2016 to December 2017, it is seen that more than 15 days taken to upload inspection details by the SQMs in Himachal Pradesh 1 case, 71 cases in Jammu & Kashmir, 1 case in Uttarkhand, 5 cases in Gujarat, 3 in Maharashtra and 33 in Rajasthan, CQC informed that 3 to 7 days is more than sufficient time for uploading the reports. **SQM should upload their reports within 7 days after inspection. A check has also been made on OMMAS that no inspection reports can be uploaded by the SQM after 7 days.**

A comparative statement of quality inspections made by NQM and SQM was also discussed. It was pointed out that there is a significant gap between SQM and NQM inspections as far as "U" categories are concerned in completed, on-going

and maintenance works. States were advised to review the SQM system and the reports of SQMs and NQMs may be analyzed critically to identify the problems. In case of Uttarakhand unsatisfactory percentage of Maintenance works is 61.70% as reported by NQM and 14.77% as reported by SQM. In Gujarat 17.65% of unsatisfactory ongoing works are reported by NQM and 2.25% as reported by SQMs. Similar in Unsatisfactory works in Maintenance is 44.18% as reported by SQM and 16.67% by NQM. Maharashtra unsatisfactory Maintenance works as reported by NQM is 27.21% and 11.43 % by SQM. Rajasthan unsatisfactory Maintenance works as reported by NQM is 26.59% and 15.93% % by SQM.

CQC also presented the various photographs depicting the following.

1. Some good sign board photographs
2. Standard pit size
3. Good Construction practices and good formation construction

CQC informed that maintenance board is being made mandatory for all the roads that have been started /completed and the cost towards provision of these boards should either be included in the DPR or shall be borne out from the savings of same phase/ administrative expenses fund of PMGSY provided by MoRD to the State Governments. It has been observed during the site visits that the prescribed Maintenance Boards are not put in place in majority of roads constructed under PMGSY in the recent past. It has also been reported that in many cases these boards have either been damaged or have rusted. In such cases, SRRDAs/ PIUs must ensure that the Maintenance Board are properly re-painted and re-installed. This should also be ensured that complete information is available on these information/Maintenance Boards. In this regards, an advisory has also been circulated to all the States and also available on pmgsy website.

Director (Technical), NRRDA informed about the retro-reflective sign boards may be used as per MoRD Specifications.

CQC briefed about average inspection per SQM per month for the FY 2016-17 (upto December, 2017) in Himachal Pradesh was 1.3 inspections/ SQM/ Month , in Jammu & Kashmir it was 4 inspections/ SQM / Month, in Uttarakhand 1.7 inspections/ SQM/ month, Gujarat 1 inspections/ SQM/ month, Maharashtra 1.16 inspections/ SQM/ month and Rajasthan 4.2 inspections/ SQM./ Month. States were advised to increase the average inspection of SQM per month. In Himachal Pradesh, out of 41 SQMs, 16 SQMs are such who conducted about 12.8% (total 144 inspections - 41 in completed, 92 in ongoing and 11 in maintenance inspections.) of total inspections and did not find any work as "unsatisfactory". In Jammu &



Kashmir out of 18 SQMs, 1 SQM is such who conducted about 2.82% inspections (total 42 inspection – 7 in completed, 35 in ongoing and 0 in maintenance inspection) and did not find any work as “unsatisfactory”. In Uttarakhand, 15 out of 31 SQMs conducted about 30% (total 323 inspection – 88 in completed, 192 in ongoing and 43 in maintenance) inspections and did not find a single unsatisfactory work. In Gujarat, 6 out of 11 SQMs conducted about 35% (total 85 inspection – 32 in completed, 46 in ongoing and 7 in maintenance) inspections and did not find a single unsatisfactory work. In Maharashtra, 28 out of 44 SQMs conducted about 45% (total 486 inspection – 64 in completed, 324 in ongoing and 98 in maintenance) inspections and did not find a single unsatisfactory work. In Rajasthan, 22 out of 65 SQMs conducted about 18% (total 1057 inspection – 279 in completed, 450 in ongoing and 328 in maintenance) inspections and did not find a single unsatisfactory work.

Dr. G.J.Joshi, Coordinator, STA, Transportation Engineering & Planning, Department of Civil Engineering, S.V.N.I.T., Surat, Gujarat made a detailed presentation on “Quality Control Testing Procedures” for road works constructed under PMGSY.

Shri Alok Pandey, a Bridge Expert and Consultant made a detailed presentation on “Bridge Design & Construction”. He briefed about prime activities of Bridge Construction, importance of Bearings and important measures to be taken for construction of Bridge.

Dr. A.K. Sarkar, PTA, BITS, Pilani made a presentation on Observations on Scurtinity of DPRs. Some major points include

- Mismatch between traffic count reported in check-list and those used for pavement design.
- Lack of awareness about new IRC codes
- Adoption of Old IRC codes for design
- Engineers failed to respond properly how the classified traffic data was collected. (Traffic was extremely high in some roads)
- Relatively similar CBR in most of the cases without variation.
- PCI values not reported
- Incorrect computation of AADT value.
- Incorrect computation of ESAL values
- Incorrect design of flexible pavement
- Needs training of Engineers on the preparation of DPRs.
- Sufficient time needs to be spent on the preparation of DPRs

A presentation was made by Shri Narshiman, NQM, regarding inspection of works depicting the shortcomings in the construction of rural roads through photographs.

Dr. Rajendra Kumar Srivastava, NQM also made a presentation on his site visits for the States of Rajasthan and Maharashtra.

The meeting ended with thanks to the Chair.
