

**Guidelines for third party technical inspection of
Rural water supply schemes.**

Government of Maharashtra

Water Supply and Sanitation Department

Govt. Resolution No.: Gra.Pa.Dho.- 1114 / Case No.61 / Pa.Pu.-07

7th Floor, Gokuldas Tejpal Hospital Building Complex, Mantralaya,

Mumbai - 400 001

Date: 15 June, 2015

Read:

- 1) **Govt. Resolution No.:** Gra.Pa.Dho.- 1114 / Case No.22 / Pa.Pu.-07, dated 9 July, 2014
- 2) **Govt. Resolution No.:** Gra.Pa.Dho.- 1109 / Case No.104(A) / Pa.Pu.-07, dated 17 March, 2010

Foreword:

The state of Maharashtra is leading in the field of improvements and decentralisation of rural water supply and sanitation. Out of the population of 112.4 million in the state, 61.8 million people (approximately 55%) live in rural areas. The state ranks second in terms of population and third in terms of area. There are 33 districts in the state, including 28,813 Gram Panchayats and approximately 98,842 dwellings.

Water Supply and Sanitation Department of the state government mainly handles tasks like making policies regarding water supply and sanitation, implementation and monitoring of the programme. Implementation of this programme is done mainly by Zilla Parishads at district level and Gram Panchayats at village level. Technical experts / staff (by deputation on Zilla Parishad), and technical support, as required, are provided by Maharashtra Jeevan Pradhikaran and state-level technical organisation such as the Groundwater Surveys and Development Agency. Although their roles and responsibilities have been systematically structured in various organisations at zonal / regional level, lack of coordination in planning, implementation, and monitoring is seen even today in the programmes run by them.

Improved guidelines have been passed regarding technical approval, administrative approval, implementation, third party technical inspection, and maintenance repair for rural water supply schemes, through the referenced government resolution No.1. Under the same government resolution, third party technical inspection of rural water supply schemes has been made compulsory, and it has been mentioned to separately issue orders regarding detailed methodology of third party technical inspection and agencies / systems to be appointed for third party technical inspections.

Considering above circumstances, since Government of Maharashtra is receiving funds under Central Government sponsored National Rural Drinking Water Project, to support rural water supply programme, the Government is considering need of independent verification (third party technical inspection) of water supply work under the programme. Therefore, the Government has approved passing of following guidelines for third party technical inspection of rural water supply schemes.

Government Resolution:

Considering situation mentioned in the foreword, third party technical inspection of rural water supply schemes is being made compulsory. The Chief Executive Officer, Zilla Parishad will be responsible for third party technical test of all Rural Water Supply Schemes in the district. For effective third party technical test of the Rural Water Supply Schemes in the district, following guidelines are being issued.

1. Need for third party technical inspection of rural water supply schemes:

1. Central Government sponsored National Rural Drinking Water Programme is being notably conducted in the state. Although this programme has boosted decentralisation and the strengthening of the demand-supply, the state is facing significant challenges in providing service even today.
2. Due to previous investments by Government of Maharashtra in the field of water supply, it has been possible to supply drinking water to more than 98,000 Wadi / Dwellings / Villages in the state. However, quality of water supply service through less than average 30 percent domestic pipe connections has remained low.
3. Also, the Government is intermittently facing problems like water supply, low pressure and water quality issues. Besides, problems faced also include impact of environmental changes on distribution of rains and on available water resources.

4. The Government has noticed urgent need for third party technical inspection in order to implement new schemes every year for improving quality of water supply service to Wadi /dwellings in rural areas of the state; and to increase capacity of older schemes.
5. Maharashtra is a rapidly urbanising state with many big villages (with population more than 10,000) and newly developing semi-urban villages in the state, are demanding high quality water supply.

2. Objective of third party technical inspection of rural water supply schemes:

1. Objective of this programme is to enhance efficiency of regional systems planning, implementing, and monitoring of rural water supply and sanitation programme in the state.
2. To raise the work standards of rural water supply schemes and to improve quality of water.
3. To focus on availability of quality and permanent water supply utilities in water quality-affected and drought affected areas.
4. To increase number of domestic pipe connections.
5. To guarantee permanent water supply with sufficient pressure and minimum quality.
6. To guarantee drinking water in increasing droughts.

3. Methodology of third party technical inspection of rural water supply schemes:

1. Third party technical inspection of progress of rural water supply schemes should be conducted at least twice. (After completion of 20 to 30 percent of work and after completion of 60 to 70 percent of the work). However, implementation authority can conduct third party technical inspection of the scheme with greater frequency.
2. Third party technical inspectors should define Success Indicators to understand movement / progress of implementation of rural water supply schemes and to review progress of schemes (to measure the impacts).
3. Success Indicators should be of two types. a) Those related to funds distribution should be termed as 'Funds based Success Indicators', b) Those not related to funds distribution should be termed as 'Other Success Indicators'.

4. To appoint independent verification agency for third party technical inspection of rural water supply schemes:

1. Services should be sought from Government Engineering (Degree/Diploma) Colleges, Government IIT institutes, Quality and Monitoring Team of Maharashtra

Jeevan Pradhikaran, other government organisations related to water supply, for independently inspecting quality of work in rural water supply scheme under National Rural Drinking Water Programme and to conduct their third party inspections.

2. The implementation authorities, with approval from Chief Executive Officer, Zilla Parishad, should select one of the agencies like government engineering colleges (degree/diploma), government IIT institutes, quality and monitoring team of Maharashtra Jeevan Pradhikaran, other governmental organisation related to the field of water supply, to conduct third party technical inspections of rural water supply schemes in the district. The Chief Executive Officer, Zilla Parishad should ensure that no private agency is involved in this selection.

5. Duties of independent verification agencies appointed / to be appointed for third party technical inspection:

1. To conduct third party technical inspection for rural water supply schemes, as instructed by the Chief Executive Officer, Zilla Parishad.
2. To independently verify objectives defined for rural water supply schemes and to present corresponding report to Chief Executive Officer, Zilla Parishad and to Government (Water Supply and Sanitation Department) as required.
3. To regularly verify accuracy and quality of achieved Success Indicators on document and physically.

6. Scope of work by verification agency to be appointed for third party technical inspection:

1. The agencies appointed / to be appointed for third party technical inspection of rural water supply schemes should develop methodology of third party technical inspection, which should include sample scheme, source of information, data collection tools, regional process and quality control sketches.
2. Technical and physical progress of the scheme should be reviewed and improvements should be suggested, if any.
3. Achieved Success / Reimbursement Indicators of water supply scheme should be verified.
4. Verification report should be immediately submitted to Chief Executive Officer, Zilla Parishad and to Government (Water Supply and Sanitation Department) if necessary.

5. Verification of funds released and work done should be conducted with reference to formula defined by Government of Maharashtra and implementing agency, and prevailing Government Resolutions.
6. On-site inspection and verification of primary information and proofs provided by corresponding implementing agency should be done.
7. If there are more than one projects, inspection / verification of accuracy of information and proofs provided should be done by randomly visiting not less than 5 percent of the projects.
8. Interviews and discussions should be organised among beneficiaries and implementing agency or other related entities, wherever necessary.

7. Experience for selection of verification agencies to be appointed for third party technical inspection:

1. Agencies to be appointed should have knowledge of rural drinking water and sanitation field in India.
2. For selection, the agencies should have at least 10 years of experience in water supply and sanitation field.
3. Should have experience of collection and management of various important information in Mechanical / Electronic / Civil and IT fields.
4. Third party agency should be capable of forming teams of technical experts for technical and physical inspection of rural water supply schemes.
5. Should have at least 5 years of experience in technical inspection of water supply systems and / or distribution system.
6. Should possess complete knowledge of technical standards, laws and government resolutions related to water supply and sanitation field in Maharashtra.
7. Members of the team appointed for third party technical inspection should have longer / comprehensive knowledge in water supply and sanitation field. Organisational development experts should also be included in this team.
8. The team appointed for third party technical inspection should consist of at least 10 members.
9. The members of third party agency should report immediately on receipt of request / instruction about verification being essential / compulsory.

8. Conditions to appoint verification agency for third party technical inspection:

1. For third party technical inspection of rural water supply schemes in Zilla Parishad, the Chief Executive Officer should prepare a list after discussing with governmental

verification agencies in respective district, and should publish it after approval from the Government.

2. An agreement should be signed between Zilla Parishad and third party agency / organisation for a duration of 3 (Three) years. If performance of these agencies are satisfactory, the Chief Executive Officer, Zilla Parishad will be authorised to extend this agreement three times for duration of 1 (One) year each.
3. Third party agency should start its work as instructed by Chief Executive Officer, Zilla Parishad. Also, the technical inspection work should be completed within stipulated time duration.

9. Charges to be paid to the verification agencies conducting third party technical inspections:

Third party technical inspecting agencies will be paid following charges in bulk for their entire work.

1. Rural Water Supply Schemes up to Rs.2.00 Crores	-	Rs.5.00 Lakhs
2. Schemes from Rs.2.00 Crores to Rs.7.50 Crores	-	Rs.10.00 Lakhs
3. Schemes worth more than Rs.7.50 Crores	-	Rs.15.00 Lakhs

This expenditure should not be included in the project report. Expenditure for third party technical inspections of rural water supply schemes should be paid from 4 percent administrative funds available with Zilla Parishad.

10. Monitoring of verification agencies doing third party technical inspections:

1. Third party technical inspecting agencies / organisations shall carry out all of their activities under supervision and control of Chief Executive Officer, Zilla Parishad and Secretary General, Water Supply and Sanitation Department.
2. Management and monitoring of regular verification / inspection process will be done by committee under the chairmanship of Chief Executive Officer, Zilla Parishad.
3. Verification report shall be submitted by third party agency to Chief Executive Officer, Zilla Parishad and to Secretary General, Water Supply and Sanitation Department, as required.
4. It is mandatory for third party agency to guarantee that verification / inspection report is accurate, timely, and based on impersonal evidences.
5. The third party agency will have to give presentation if Government feels it necessary. Also, third party agency will have to provide explanation to questions

raised by Water Supply and Sanitation Department and Chief Executive Officer, Zilla Parishad.

6. Implementing agency shall be responsible for providing information and documents necessary for verification / third party inspection of water supply schemes, to third party agency.
7. Implementing agencies shall be responsible for providing access to third party agency staff and consultants at scheme / project locations to be inspected.

This Government Resolution has been made available on website of Government of Maharashtra - www.maharashtra.gov.in and its code number is 201506151500549528. This order is digitally signed and attested.

By order and in the name of Governor of Maharashtra.

**Shantaram
S Kudale**

Digitally signed by Shantaram S
Kudale
DN: CN = Shantaram S Kudale,
C = IN, S = Maharashtra, O =
Government Of Maharashtra,
OU = Deputy Secretary
Date: 2015.06.15. 15:33:24
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(S. S. Kudale)

Deputy Secretary, Government of Maharashtra

Cc,

1. Secretary General of Hon. Chief Minister, Mantralaya, Mumbai - 400 0032
2. Secretary General of Hon. Governor, Maharashtra State, Rajbhavan, Mumbai
3. Secretary of Hon. Minister (Water Supply and Sanitation), Mantralaya, Mumbai - 400 032
4. Secretary of Hon. Minister (All), Mantralaya, Mumbai - 400 032.
5. Secretary of Hon. Minister of State (All), Mantralaya, Mumbai - 400 032
6. All Honourable Members of Legislative Assembly, Vidhan Bhavan, Mumbai - 400 021.
7. Personal Assistant of all Additional Chief Secretaries / Secretary General / Ministerial Department Secretary, Mantralaya, Mumbai - 400 032.
8. Member Secretary, Maharashtra Jeevan Pradhikaran, Mumbai.
9. Divisional Commissioner (All),
10. Director, Groundwater Surveys and Development Agency, Pune.
11. Chief Executive Officer (All), Zilla Parishad.
12. Director, Social Welfare Department, Pune.

13. Director, Water and Sanitation Assistance Organisation, Belapur, Navi Mumbai.
14. Accountant General, Maharashtra-1, Mumbai (Audits / Accounts and Entitlements)
15. Accountant General, Maharashtra-2, Nagpur (Audits / Accounts and Entitlements)
16. Chief Engineers (All), Maharashtra Jeevan Pradhikaran.
17. Superintending Engineers (All), Maharashtra Jeevan Pradhikaran
18. Executive Engineers (All), Rural Water Supply Department, Zilla Parishad (All)
19. All other Ministerial Departments and all offices under them
20. All Supervisory Officers and Posts in Water Supply and Sanitation Department.
21. All Government I.I.T. Institutes (By post)
22. All Government Engineering (Degree/Diploma) Colleges (By post)
23. Selection (Nivad Nasti) Officer Pa.Pu.-07.