Quality Control Register- Part 2

Record of Abstract of Tests & Non Conformance Reports

State:
District:
Programme Implementation Unit:

Package Number:
Name of Work:
Register From km. .................... to km. .................
Total Volumes of this Register:
This Volume Number:

Prescribed By:

National Rural Roads Development Agency
(An Agency of the Ministry of Rural Development)
Government of India, New Delhi
National Rural Roads Development Agency
(An Agency of the Ministry of Rural Development)
Government of India, New Delhi

Quality Control Register Part 1

Record of Abstract of Tests & Non Conformance Reports

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<td>65</td>
</tr>
</tbody>
</table>
## Quality Control Register Part 2

*Record of Abstract of Tests & Non Conformance Reports*

### Fly Sheet

State:

District:

Block:

Package Number:

<table>
<thead>
<tr>
<th>Name of Road</th>
<th>:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length (km)</td>
<td>:</td>
</tr>
<tr>
<td>Contract Amount (Rs.)</td>
<td>:</td>
</tr>
<tr>
<td>Construction Contractor (Name &amp; Address)</td>
<td>:</td>
</tr>
</tbody>
</table>

Date of Commencement of Work : 

Stipulated Date of Completion :

(a) As per Agreement :

(b) As Revised & Agreed :

Project Implementation Unit (Address) :

Laboratory Incharge (Name) :

This Register : From km.__________ to km. __________
Instructions for Maintaining Quality Control Registers

Rural Roads Manual, Special Publication 20, Indian Roads Congress, New Delhi 2002 Para 10.11 provides for recording of the Data in the prescribed forms; therefore, this Register will be maintained for each Road. The guidelines for maintenance of this Register are as follows:

1. The Quality Control Register will be maintained in two Parts. The first Part will be Quality Control Register Record of Tests and the Second Part will be the Record of Abstract of Quality Control Tests and Non Conformance Report Register.

a. The first Part of the Register is the Register of all Quality Control Tests conducted by the person who is responsible for the basic Quality Control Testing; therefore, the first Part of the Register will be maintained by the person who is responsible for the basic Quality Control tests. If there is a provision of Quality Control by contractor in the Tender Document, the Quality Control Register will be issued to the contractor for every Road Work but if the responsibility of the basic Quality Control Tests is with the Department, the Register will be issued to the in charge officer of the basic Quality Control Testing of work not below the rank of Junior Engineer/sub Engineer.

This Register will always be available at the work site. If some tests are required to be conducted in the laboratory which is situated away from the work, the prescribed format of the test conducted will be duly fill up on a separate sheet and this sheet will be pasted on the space prescribed for that test but the register will not be taken away from the site in any case.

This Register contains forms for tests sufficient to accommodate quantities given in Appendix 12.2 of the Rural Roads Manual for a length of Road up to 3 km. If the quantities (ies) or the item(s) in the work are more, additional forms required as per the prescribed frequency may be added at the end of the Register and the corresponding entries should be done in the abstract. In case the quantities (ies) or the item(s) in the work are less, the forms may be left blank and the corresponding note may be recorded in the abstract. If the length of the Road is more then 3 km, additional Register(s) should be maintained. The first part of the Register will has following three Sections:

Section 1: Earthwork
Section 2: Granular construction
Section 3: Bituminous construction
b. The Second Part of the Register is the Record of abstract of the Tests conducted and Non conformance reports; therefore, will be maintained by the site in charge officer not below the rank of Assistant Engineer.

If the test results do not confirm to the prescribed limits, a Nonconformance Report (NCR) in the Format Prescribed in this Register will be issued to the Contractor.

2. The Quality Control (QC) Register will be issued in the same manner as the Measurement Book is issued to the work. Every register should be page numbered and no page should be removed. The Register of issue of the Quality Control Register will be maintained by the Head of the PIU.

3. In case of Hill Roads, where the work of formation cutting may be executed, all the tests shown in the Earthwork Section may not be required but the tests for CBR and Compaction will be required in such cases also, the formats will be left blank in such cases.

4. How to Fill up Register Part 1:
   a. **Filling up the Test Format** - Take sample as per specifications and complete the basic entries of the Register like Sample Number, Reference of Road/Section from where the sample has been taken etc. Subject the sample for testing and enter the Date of Testing and other relevant details at the prescribed places.
      i. Enter the test Results at specified places and compare with the results with the prescribed limits. If the test results conform to the prescribed limits, the corresponding entry should be done and the work should be allowed to continue but if the results of the tests don’t conform to the prescribed limits, the work should not be allowed to be continued and a Non Conformance Report (NCR) should be issued by the officer in-charge of the work.
      ii. The compliance of the instructions given in the NCR should be ensured and again the test should be repeated. The work should be allowed to continue only after the Test results confirm to the prescribed limits.

b. **Filling up the Format of the Abstract of Tests Conducted** –
   i. Column 1 to 5 are self explanatory.
   ii. The reference of the page number of the Part two of the Register on which the office copy of the Non Conformance Report (NCR) is preserved should be entered along with the Date of issue of the NCR in the column number 6 of the abstract.
   iii. The Date of compliance reported by the contractor should be entered in this column.
   iv. The reference of the page number on which the repeat test (which qualifies) record is maintained should be given in this column.
   v. The basic abstract of the Tests conducted will be maintained in the Part one of the Register but the copy of the abstract will also be maintained in Part two of the Register.
5. How to Fill up Register Part 2 Record of abstract of tests and Non Conformance Reports:
   a. **Filling up the Abstract of Tests Format**- Basic abstracts of the tests conducted will be maintained in the First Part of the register but the same abstract will also be maintained in Part two and it will be the Responsibility of officer incharge to update this abstract once in every week (Generally on every Saturday of the Week).
   
b. **Issuance of Non Conformance Reports**- The Register contains one perforated copy of the NCR and one office copy, as soon as the incidence of non conformance of any test occurs, it will be the responsibility of the person responsible for the basic Quality Control Testing to inform to the officer in charge of the work. The officer in charge of the work will immediately issue a Non Conformance Report to the contractor and the office copy will be retained in this Register.
   Thereafter, the Contractor needs to rectify the deficiencies and return the NCR after due compliance for approval/acceptance of the PIU.
Pradhan Mantri Gram Sadak Yojana

Quality Control Register-Part 2

Section -1 Earth Work
<table>
<thead>
<tr>
<th>Test No.</th>
<th>Name of Test</th>
<th>Test No.</th>
<th>Date of Test</th>
<th>Result, Qualified (Yes/No)</th>
<th>If No., Page No and Date of NCR</th>
<th>Page No &amp; Date on which Test Qualified</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EW-1 Soil gradation</td>
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<td>EW-2 Atterberg limits</td>
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<td>ALS-3 Surface regularity Test Table</td>
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</tr>
</tbody>
</table>
Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

Received by: _________________  Issued by: _________________
(For Contractor)              (For PIU)
Date: ___________             Date: ___________

Compliance

1. Remedial action taken by the Contractor: (Indicate reference No. and date of contractor’s letter. Also indicate action taken briefly)

2. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

   (Signature)
   Head of PIU ………………….
   Date …………………. 
Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________ Issues by: _________________
(for Contractor)                           (for PIU)
Date: __________  Date: __________

Non-Conformance Report

1. Name of Road :

2. Location :

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________  Issues by: ________________
Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________    Issues by: ________________
Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________  Issues by: ________________
Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________   Issues by: _________________
(for Contractor)   (for PIU)

Date: __________   Date: __________

Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________   Issues by: _________________
Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________  Issues by: ______________
(for Contractor)  
Date: __________

(for PIU)  
Date: __________

Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance  
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________  
Issues by: ________________
(for Contractor)                                                (for PIU)

Date: _____________  Date: _____________

**Non-Conformance Report**

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: _____________  Issues by: ________________

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Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________    Issues by: _________________
(for Contractor)  
Date: __________

(for PIU)  
Date: __________

Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance  
(Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________  
Issues by: ________________

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Non-Conformance Report

1. Name of Road :

2. Location :

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: ___________  Issues by: ______________
Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: ____________  Issues by: ________________
(for Contractor)  
Date: __________

(for PIU)  
Date: __________

**Non-Conformance Report**

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________  
Issues by: ________________
Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: __________  Issues by: _________________
Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: ___________  Issues by: ________________
Non-Conformance Report

1. Name of Road :

2. Location :

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: ___________  Issues by: _________________
Non-Conformance Report

1. Name of Road :

2. Location :

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: ___________ Issues by: ________________
Non-Conformance Report

1. Name of Road:

2. Location:

3. Description of Non-conformance
   (Here describe the summary of the findings of those tests which outside the permissible/tolerance limits)

4. Remedial action taken by the Contractor

5. Acceptance/Non-acceptance of Contractor’s remedial action by the Project Implementation Unit (PIU) (with reasons for non-acceptance)

Received by: ___________        Issues by: _________________
(for Contractor)  (for PIU)

Date: __________  Date: __________

Pradhan Mantri Gram Sadak Yojana

Quality Control Register Part 2

Record of Abstract of Tests & Non Conformance Reports

Section-2 Granular Construction
## Abstract of tests Conducted

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Name of Test</th>
<th>Test No.</th>
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Base Course Water Bond Macadam

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2. Location:

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3. Description of Non-conformance
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Issues by: ________________
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Date: __________

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Date: ___________
Pradhan Mantri Gram Sadak Yojana

Quality Control Register Part 2

Record of Abstract of Tests & Non Conformance Reports

Section 3 Bituminous Construction
## Abstract of tests Conducted

<table>
<thead>
<tr>
<th>Test No.</th>
<th>Name of Test</th>
<th>Conducted Test No.</th>
<th>Date of Test</th>
<th>Result, Qualified (Yes/No)</th>
<th>If No., Page No and Date of NCR</th>
<th>Page No &amp; Date on which Test Qualified</th>
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<tbody>
<tr>
<td>BL-1</td>
<td>Quality of bitumen</td>
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<td>BL-1 (J)</td>
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