

**Government of Jammu and KashmirPublic
Works (R&B) Department
Jammu/Srinagar**

Quality Control Register For Building Works Part-1

Record of Tests

Union Territory:

District:

Division:

Name of Work:

Quality Control Register Part 1

Record of Tests

Union Territory/State:

District:

Division:

Name of the Building/Project	
Contract Amount (Rs.)	
Executing Agency (Name & Address)	
Date of Commencement of Work	
Stipulated Date of Completion (a) As per Agreement	
(b) As Revised & Agreed	
Project Implementation Unit (Address)	
Laboratory In-charge (Name)	

Instructions for Maintaining Quality Control Registers

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.

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 for whole building, however at least 3 Number of prescribed tests must be conducted for each component of each storey. If the engineer in charge deems that more tests should be conducted, the discretion of same lies with the engineer in charge, not below the rank of Assistant Executive Engineer. In that case additional forms required as per the frequency may be added at the end of register

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 conform to the prescribed limits, a Non-Conformance 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 Technical Officer of the PIU.

3. How to Fill up Register Part 1:

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.

4. How to Fill up Register Part 2 Record of abstract of tests and Non-Conformance Reports (NCR):

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 in-charge 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.

Note: i) *In case the Engineer in Charge deems that some additional tests are required as per the field conditions, the latest edition of MORTH/ other relevant BIS codes may be referred. Furthermore, if any discrepancy is observed in the prescribed format/tests, MORTH/ relevant BIS codes shall be referred.*

ii) *In addition to below mentioned tests additional information/reports/certificates may be attached with the Quality Control Register Part-I*

- a. *Soil Report Test*
- b. *Pile load Test report wherever applicable.*
- c. *Tor Steel Certificate from the manufacturer/supplier.*
- d. *Certificate for Structural steel from the manufacturer/supplier.*

Government of Jammu and Kashmir
Public Works (R&B) Department
Jammu/Srinagar

Quality Control Register Part 1

BUILDINGS

Record of Tests

1. CONSISTENCY OF CEMENT IS: 4031 (Part 4) 1988			
Name of the Work			Test-1
Client/Division			
Contractor			
Lab Sample No		Batch No	
Brand of Cement		Date of Sampling	
Grade of Cement		Date of Testing	
Description	Units	Sample 1	Sample 2
Actual test temperature	°C		
Weight of the sample (W)	gms		
Quantity of water used (W ₁)	gms		
Plunger Reading (5 to 7 mm)	mm		
Normal Consistency = (W ₁ / W)x100	%		
Average Consistency	%		
Remarks:			

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

CONSISTENCY OF CEMENT IS: 4031 (Part 4) 1988			
Name of the Work			Test-2
Client/Division			
Contractor			
Lab Sample No		Batch No	
Brand of Cement		Date of Sampling	
Grade of Cement		Date of Testing	
Description	Units	Sample 1	Sample 2
Actual test temperature	°C		
Weight of the sample (W)	gms		
Quantity of water used (W₁)	gms		
Plunger Reading (5 to 7 mm)	mm		
Normal Consistency = (W₁ / W)x100	%		
Average Consistency	%		
Remarks:			

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

CONSISTENCY OF CEMENT IS: 4031 (Part 4) 1988			
Name of the Work			Test-3
Client/Division			
Contractor			
Lab Sample No		Batch No	
Brand of Cement		Date of Sampling	
Grade of Cement		Date of Testing	
Description	Units	Sample 1	Sample 2
Actual test temperature	°C		
Weight of the sample (W)	gms		
Quantity of water used (W₁)	gms		
Plunger Reading (5 to 7 mm)	mm		
Normal Consistency = (W₁ / W)x100	%		
Average Consistency	%		
Remarks:			

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

CONSISTENCY OF CEMENT IS: 4031 (Part 4) 1988			
Name of the Work			Test-4
Client/Division			
Contractor			
Lab Sample No		Batch No	
Brand of Cement		Date of Sampling	
Grade of Cement		Date of Testing	
Description	Units	Sample 1	Sample 2
Actual test temperature	°C		
Weight of the sample (W)	gms		
Quantity of water used (W₁)	gms		
Plunger Reading (5 to 7 mm)	mm		
Normal Consistency = (W₁ / W)x100	%		
Average Consistency	%		
Remarks:			

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

CONSISTENCY OF CEMENT IS: 4031 (Part 4) 1988			
Name of the Work			Test-5
Client/Division			
Contractor			
Lab Sample No		Batch No	
Brand of Cement		Date of Sampling	
Grade of Cement		Date of Testing	
Description	Units	Sample 1	Sample 2
Actual test temperature	°C		
Weight of the sample (W)	gms		
Quantity of water used (W₁)	gms		
Plunger Reading (5 to 7 mm)	mm		
Normal Consistency = (W₁ / W)x100	%		
Average Consistency	%		
Remarks:			

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

2. FINENESS OF CEMENT BY DRY SIEVING					
IS: 4031 (Part 1) 1996					
Name of the Work					Test-1
Client/Division					
Contractor					
Lab Sample No		Batch No	:		
Brand of Cement		Date of Sampling	:		
Grade of Cement		Date of Testing	:		
Description			Units	Sample 1	Sample 2
Weight of the sample (R ₁)			gms		
Weight of residue over 90 micron sieve (R ₂)			gms		
Fineness of cement =	R ₂	x 100	%		
	R ₁				
Average Fineness of cement			%		
Specified Limit: 10% Maximum					
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

FINENESS OF CEMENT BY DRY SIEVING						
IS: 4031 (Part 1) 1996						
Name of the Work						Test-2
Client/Division						
Contractor						
Lab Sample No			Batch No	:		
Brand of Cement			Date of Sampling	:		
Grade of Cement			Date of Testing	:		
Description			Units		Sample 1	Sample 2
Weight of the sample (R ₁)			gms			
Weight of residue over 90 micron sieve (R ₂)			gms			
Fineness of cement =	R ₂	x 100		%		
	R ₁					
Average Fineness of cement				%		
Specified Limit: 10% Maximum						
Remarks:						

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

FINENESS OF CEMENT BY DRY SIEVING					
IS: 4031 (Part 1) 1996					
Name of the Work					Test-3
Client/Division					
Contractor					
Lab Sample No		Batch No	:		
Brand of Cement		Date of Sampling	:		
Grade of Cement		Date of Testing	:		
Description		Units	Sample 1	Sample 2	
Weight of the sample (R ₁)		gms			
Weight of residue over 90 micron sieve (R ₂)		gms			
Fineness of cement =	$\frac{R_2}{R_1}$	x 100		%	
Average Fineness of cement				%	
Specified Limit: 10% Maximum					
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

FINENESS OF CEMENT BY DRY SIEVING					
IS: 4031 (Part 1) 1996					
Name of the Work					Test-4
Client/Division					
Contractor					
Lab Sample No		Batch No	:		
Brand of Cement		Date of Sampling	:		
Grade of Cement		Date of Testing	:		
Description		Units	Sample 1	Sample 2	
Weight of the sample (R ₁)		gms			
Weight of residue over 90 micron sieve (R ₂)		gms			
Fineness of cement =	$\frac{R_2}{R_1}$	x 100		%	
Average Fineness of cement				%	
Specified Limit: 10% Maximum					
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

FINENESS OF CEMENT BY DRY SIEVING					
IS: 4031 (Part 1) 1996					
Name of the Work					Test-5
Client/Division					
Contractor					
Lab Sample No		Batch No	:		
Brand of Cement		Date of Sampling	:		
Grade of Cement		Date of Testing	:		
Description		Units	Sample 1	Sample 2	
Weight of the sample (R ₁)		gms			
Weight of residue over 90 micron sieve (R ₂)		gms			
Fineness of cement =	$\frac{R_2}{R_1}$	x 100		%	
Average Fineness of cement				%	
Specified Limit: 10% Maximum					
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

3. SOUNDNESS OF CEMENT BY LE-CHATELIER METHOD) IS 4031 (Part 3)					
Name of the Work					Test-1
Client/Division					
Contractor					
Lab Sample No.				Batch No	
Brand of Cement				Date of Sampling	
Grade of Cement				Date of Testing	
Descriptions				Trial 1	Trial 2
Initial distance between indicator points		A (mm)			
Final distance between indicator points		B (mm)			
Expansion		B - A (mm)			
Average Expansion		(mm)			
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

SOUNDNESS OF CEMENT BY LE-CHATELIER METHOD) IS 4031 (Part 3)					
Name of the Work					Test-2
Client/Division					
Contractor					
Lab Sample No.				Batch No	
Brand of Cement				Date of Sampling	
Grade of Cement				Date of Testing	
Descriptions				Trial 1	Trial 2
Initial distance between indicator points		A (mm)			
Final distance between indicator points		B (mm)			
Expansion		B - A (mm)			
Average Expansion		(mm)			
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

SOUNDNESS OF CEMENT BY LE-CHATELIER METHOD) IS 4031 (Part 3)					
Name of the Work					Test-3
Client/Division					
Contractor					
Lab Sample No.				Batch No	
Brand of Cement				Date of Sampling	
Grade of Cement				Date of Testing	
Descriptions				Trial 1	Trial 2
Initial distance between indicator points		A (mm)			
Final distance between indicator points		B (mm)			
Expansion		B - A (mm)			
Average Expansion		(mm)			
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

SOUNDNESS OF CEMENT BY LE-CHATELIER METHOD) IS 4031 (Part 3)					
Name of the Work					Test-4
Client/Division					
Contractor					
Lab Sample No.				Batch No	
Brand of Cement				Date of Sampling	
Grade of Cement				Date of Testing	
Descriptions				Trial 1	Trial 2
Initial distance between indicator points				A (mm)	
Final distance between indicator points				B (mm)	
Expansion				B - A (mm)	
Average Expansion				(mm)	
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

SOUNDNESS OF CEMENT BY LE-CHATELIER METHOD) IS 4031 (Part 3)					
Name of the Work					Test-5
Client/Division					
Contractor					
Lab Sample No.				Batch No	
Brand of Cement				Date of Sampling	
Grade of Cement				Date of Testing	
Descriptions				Trial 1	Trial 2
Initial distance between indicator points		A (mm)			
Final distance between indicator points		B (mm)			
Expansion		B - A (mm)			
Average Expansion		(mm)			
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

4.INITIAL AND FINAL SETTING TIMES OF CEMENT					
IS: 4031 (Part 5) 1988					
Name of the Work					Test-1
Client/Division					
Contractor					
Lab Sample No	:		Batch No	:	
Brand of Cement	:		Date of Sampling	:	
Grade of Cement	:		Date of Testing	:	
Description	Units	Sample 1	Sample 2	Average	
Actual test temperature	⁰ C				
Weight of cement(W)	gms				
Consistency(P)	%				
Quantity of water to be added = (0.85xPxWt. of cement)/100	ml				
Time of adding water to cement	Hours				
Time at initial setting	Hours				
Total time taken for initial setting	minutes				
Time at final setting	Hours				
Total time taken for final setting	minutes				
Specified Limit:	Initial Setting Time - 30minutes (Minimum)				
	Final Setting Time - 600minutes (Maximum)				
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

INITIAL AND FINAL SETTING TIMES OF CEMENT					
IS: 4031 (Part 5) 1988					
Name of the Work					Test-2
Client/Division					
Contractor					
Lab Sample No	:		Batch No	:	
Brand of Cement	:		Date of Sampling	:	
Grade of Cement	:		Date of Testing	:	
Description	Units	Sample 1	Sample 2	Average	
Actual test temperature	⁰ C				
Weight of cement(W)	gms				
Consistency(P)	%				
Quantity of water to be added = (0.85xPxWt. of cement)/100	ml				
Time of adding water to cement	Hours				
Time at initial setting	Hours				
Total time taken for initial setting	minutes				
Time at final setting	Hours				
Total time taken for final setting	minutes				
Specified Limit:	Initial Setting Time - 30minutes (Minimum)				
	Final Setting Time - 600minutes (Maximum)				
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

INITIAL AND FINAL SETTING TIMES OF CEMENT					
IS: 4031 (Part 5) 1988					
Name of the Work					Test-3
Client/Division					
Contractor					
Lab Sample No	:		Batch No	:	
Brand of Cement	:		Date of Sampling	:	
Grade of Cement	:		Date of Testing	:	
Description		Units	Sample 1	Sample 2	Average
Actual test temperature		⁰ C			
Weight of cement(W)		gms			
Consistency(P)		%			
Quantity of water to be added = (0.85xPxWt. of cement)/100		ml			
Time of adding water to cement		Hours			
Time at initial setting		Hours			
Total time taken for initial setting		minutes			
Time at final setting		Hours			
Total time taken for final setting		minutes			
Specified Limit:	Initial Setting Time - 30minutes (Minimum)				
	Final Setting Time - 600minutes (Maximum)				
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

INITIAL AND FINAL SETTING TIMES OF CEMENT					
IS: 4031 (Part 5) 1988					
Name of the Work					Test-4
Client/Division					
Contractor					
Lab Sample No	:		Batch No	:	
Brand of Cement	:		Date of Sampling	:	
Grade of Cement	:		Date of Testing	:	
Description	Units	Sample 1	Sample 2	Average	
Actual test temperature	⁰ C				
Weight of cement(W)	gms				
Consistency(P)	%				
Quantity of water to be added = (0.85xPxWt. of cement)/100	ml				
Time of adding water to cement	Hours				
Time at initial setting	Hours				
Total time taken for initial setting	minutes				
Time at final setting	Hours				
Total time taken for final setting	minutes				
Specified Limit:	Initial Setting Time - 30minutes (Minimum)				
	Final Setting Time - 600minutes (Maximum)				
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

INITIAL AND FINAL SETTING TIMES OF CEMENT					
IS: 4031 (Part 5) 1988					
Name of the Work					Test-5
Client/Division					
Contractor					
Lab Sample No	:		Batch No	:	
Brand of Cement	:		Date of Sampling	:	
Grade of Cement	:		Date of Testing	:	
Description	Units	Sample 1	Sample 2	Average	
Actual test temperature	⁰ C				
Weight of cement(W)	gms				
Consistency(P)	%				
Quantity of water to be added = (0.85xPxWt. of cement)/100	ml				
Time of adding water to cement	Hours				
Time at initial setting	Hours				
Total time taken for initial setting	minutes				
Time at final setting	Hours				
Total time taken for final setting	minutes				
Specified Limit:	Initial Setting Time - 30minutes (Minimum)				
	Final Setting Time - 600minutes (Maximum)				
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

5.COMPRESSIVE STRENGTH OF CEMENT									
IS: 4031(Part 6)1988									
Name of the Work								Test-1	
Client/Division									
Contractor									
Lab Sample No.						Date of Sampling		:	
Brand of Cement						Cube Identification		:	
Week No. of Cement						Type of Curing		:	
Batch No						Volume (CC)		:	
Size of cube(mm)									
S.No	Age (Days)	Date of Casting	Date of Testing	Weight gms	Density gm/cc	Load KN	Compressive Strength Mpa	Avg Compressive Strength (Mpa)	Remarks
03 days									
07 days									
28 days									
Remarks :									

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

COMPRESSIVE STRENGTH OF CEMENT									
IS: 4031(Part 6)1988									
Name of the Work								Test-2	
Client/Division									
Contractor									
Lab Sample No.						Date of Sampling			
Brand of Cement						Cube Identification			
Week No. of Cement						Type of Curing			
Batch No						Volume (CC)			
Size of cube(mm)									
S.No	Age (Days)	Date of Casting	Date of Testing	Weight gms	Density gm/cc	Load KN	Compressive Strength Mpa	Avg Compressive Strength (Mpa)	Remarks
03 days									
07 days									
28 days									
Remarks :									

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

COMPRESSIVE STRENGTH OF CEMENT									
IS: 4031(Part 6)1988									
Name of the Work								Test-3	
Client/Division									
Contractor									
Lab Sample No.						Date of Sampling		:	
Brand of Cement						Cube Identification		:	
Week No. of Cement						Type of Curing		:	
Batch No						Volume (CC)		:	
Size of cube(mm)									
S.No	Age (Days)	Date of Casting	Date of Testing	Weight gms	Density gm/cc	Load KN	Compressive Strength Mpa	Avg Compressive Strength (Mpa)	Remarks
03 days									
07 days									
28 days									
Remarks :									

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

COMPRESSIVE STRENGTH OF CEMENT									
IS: 4031(Part 6)1988									
Name of the Work								Test-4	
Client/Division									
Contractor									
Lab Sample No.						Date of Sampling		:	
Brand of Cement						Cube Identification		:	
Week No. of Cement						Type of Curing		:	
Batch No						Volume (CC)		:	
Size of cube(mm)									
S.No	Age (Days)	Date of Casting	Date of Testing	Weight gms	Density gm/cc	Load KN	Compressive Strength Mpa	Avg Compressive Strength (Mpa)	Remarks
03 days									
07 days									
28 days									
Remarks :									

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

COMPRESSIVE STRENGTH OF CEMENT									
IS: 4031(Part 6)1988									
Name of the Work								Test-5	
Client/Division									
Contractor									
Lab Sample No.						Date of Sampling		:	
Brand of Cement						Cube Identification		:	
Week No. of Cement						Type of Curing		:	
Batch No						Volume (CC)		:	
Size of cube(mm)									
S.No	Age (Days)	Date of Casting	Date of Testing	Weight gms	Density gm/cc	Load KN	Compressive Strength Mpa	Avg Compressive Strength (Mpa)	Remarks
03 days									
07 days									
28 days									
Remarks :									

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

6. SIEVE ANALYSIS FOR COARSE AGGREGATES (As per IS 2386 Part-1)					
Name of the Work					Test-1
Client/Division					
Contractor					
Lab Sample No.				Date of sampling	:
Source				Date of testing	:
Location				Activity	:
Type of Material					
AGGREGATE SIZE : 40 MM					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
63					40 mm
40					100
20					85 - 100
10					0 - 20
Pan					0 - 5
AGGREGATE SIZE : 20 MM					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
40					20 mm
20					100
10					85 - 100
4.75					0 - 20
Pan					0 - 5
AGGREGATE SIZE : 10 MM					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
12.5					10.0 mm
10					100
4.75					85-100
2.36					0 - 20
Pan					0-5
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

SIEVE ANALYSIS FOR COARSE AGGREGATES (As per IS 2386 Part-1)					
Name of the Work					Test-2
Client/Division					
Contractor					
Lab Sample No.				Date of sampling	:
Source				Date of testing	:
Location				Activity	:
Type of Material					
<u>AGGREGATE SIZE : 40 MM</u>					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
					40 mm
63					100
40					85 - 100
20					0 - 20
10					0 - 5
Pan					-
<u>AGGREGATE SIZE : 20 MM</u>					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
					20 mm
40					100
20					85 - 100
10					0 - 20
4.75					0 - 5
Pan					-
<u>AGGREGATE SIZE : 10 MM</u>					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
					10.0 mm
12.5					100
10					85-100
4.75					0 - 20
2.36					0-5
Pan					
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

SIEVE ANALYSIS FOR COARSE AGGREGATES (As per IS 2386 Part-1)					
Name of the Work					Test-3
Client/Division					
Contractor					
Lab Sample No.				Date of sampling	:
Source				Date of testing	:
Location				Activity	:
Type of Material					
<u>AGGREGATE SIZE : 40 MM</u>					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
					40 mm
63					100
40					85 - 100
20					0 - 20
10					0 - 5
Pan					-
<u>AGGREGATE SIZE : 20 MM</u>					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
					20 mm
40					100
20					85 - 100
10					0 - 20
4.75					0 - 5
Pan					-
<u>AGGREGATE SIZE : 10 MM</u>					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
					10.0 mm
12.5					100
10					85-100
4.75					0 - 20
2.36					0-5
Pan					
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

SIEVE ANALYSIS FOR COARSE AGGREGATES (As per IS 2386 Part-1)					
Name of the Work					Test-4
Client/Division					
Contractor					
Lab Sample No.				Date of sampling	:
Source				Date of testing	:
Location				Activity	:
Type of Material					
<u>AGGREGATE SIZE : 40 MM</u>					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
					40 mm
63					100
40					85 - 100
20					0 - 20
10					0 - 5
Pan					-
<u>AGGREGATE SIZE : 20 MM</u>					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
					20 mm
40					100
20					85 - 100
10					0 - 20
4.75					0 - 5
Pan					-
<u>AGGREGATE SIZE : 10 MM</u>					
Weight of sample taken (gm) :					
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383
					10.0 mm
12.5					100
10					85-100
4.75					0 - 20
2.36					0-5
Pan					
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

SIEVE ANALYSIS FOR COARSE AGGREGATES (As per IS 2386 Part-1)						
Name of the Work					Test-5	
Client/Division						
Contractor						
Lab Sample No.				Date of sampling	:	
Source				Date of testing	:	
Location				Activity	:	
Type of Material						
<u>AGGREGATE SIZE : 40 MM</u>						
Weight of sample taken (gm) :						
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383	
					40 mm	
63					100	
40					85 - 100	
20					0 - 20	
10					0 - 5	
Pan					-	
<u>AGGREGATE SIZE : 20 MM</u>						
Weight of sample taken (gm) :						
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383	
					20 mm	
40					100	
20					85 - 100	
10					0 - 20	
4.75					0 - 5	
Pan					-	
<u>AGGREGATE SIZE : 10 MM</u>						
Weight of sample taken (gm) :						
IS Sieve size (mm)	Weight Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing (%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383	
					10.0 mm	
12.5					100	
10					85-100	
4.75					0 - 20	
2.36					0-5	
Pan						
Remarks :						

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

7. SIEVE ANALYSIS OF FINE AGGREGATE (Refer IS 2386 Part - 1)								
Name of the Work							Test-1	
Client/Division								
Contractor								
Lab Sample No.				Date of Sampling				
Type of material				Date of Testing				
Source				Activity				
Location				Wt. of sample taken (W) gm				
IS Sieve size (mm)	Weight retained (gm)	Cumulative Wt. retained (gm)	Cumulative %retained (%)	Cumulative % passing (%)	Specification limits as per IS 383-2016			
					Zone - I	Zone - II	Zone - III	Zone - IV
10					100	100	100	100
4.75					90-100	90-100	90-100	95 100
2.36					60-95	75-100	85-100	95 - 100
1.18					30-70	55-90	75-100	90 - 100
0.6					15-34	35-59	60-79	80-100
0.30					5-20	8-30	12-40	15-50
0.15					0-10	0-10	0-10	0-15
Pan								
Silt Content								
Zone								
Fineness Modulus								
Remarks:								

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

SIEVE ANALYSIS OF FINE AGGREGATE (Refer IS 2386 Part - 1)								
Name of the Work							Test-2	
Client/Division								
Contractor								
Lab Sample No.					Date of Sampling			
Type of material					Date of Testing			
Source					Activity			
Location					Wt. of sample taken (W) gm			
IS Sieve size (mm)	Weight retained (gm)	Cumulative Wt. retained (gm)	Cumulative % retained (%)	Cumulative % passing (%)	Specification limits as per IS 383-2016			
					Zone - I	Zone - II	Zone - III	Zone - IV
10					100	100	100	100
4.75					90-100	90-100	90-100	95 100
2.36					60-95	75-100	85-100	95 - 100
1.18					30-70	55-90	75-100	90 - 100
0.6					15-34	35-59	60-79	80-100
0.30					5-20	8-30	12-40	15-50
0.15					0-10	0-10	0-10	0-15
Pan								
Silt Content								
Zone								
Fineness Modulus								
Remarks:								

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

SIEVE ANALYSIS OF FINE AGGREGATE (Refer IS 2386 Part - 1)								
Name of the Work							Test-3	
Client/Division								
Contractor								
Lab Sample No.				Date of Sampling				
Type of material				Date of Testing				
Source				Activity				
Location				Wt. of sample taken (W) gm				
IS Sieve size (mm)	Weight retained (gm)	Cumulative Wt. retained (gm)	Cumulative % retained (%)	Cumulative % passing (%)	Specification limits as per IS 383-2016			
					Zone - I	Zone - II	Zone - III	Zone - IV
10					100	100	100	100
4.75					90-100	90-100	90-100	95 100
2.36					60-95	75-100	85-100	95 - 100
1.18					30-70	55-90	75-100	90 - 100
0.6					15-34	35-59	60-79	80-100
0.30					5-20	8-30	12-40	15-50
0.15					0-10	0-10	0-10	0-15
Pan								
Silt Content								
Zone								
Fineness Modulus								
Remarks:								

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

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Tested by:

SIEVE ANALYSIS OF FINE AGGREGATE (Refer IS 2386 Part - 1)								
Name of the Work							Test-4	
Client/Division								
Contractor								
Lab Sample No.				Date of Sampling				
Type of material				Date of Testing				
Source				Activity				
Location				Wt. of sample taken (W) gm				
IS Sieve size (mm)	Weight retained (gm)	Cumulative Wt. retained (gm)	Cumulative % retained (%)	Cumulative % passing (%)	Specification limits as per IS 383-2016			
					Zone - I	Zone - II	Zone - III	Zone - IV
10					100	100	100	100
4.75					90-100	90-100	90-100	95 100
2.36					60-95	75-100	85-100	95 - 100
1.18					30-70	55-90	75-100	90 - 100
0.6					15-34	35-59	60-79	80-100
0.30					5-20	8-30	12-40	15-50
0.15					0-10	0-10	0-10	0-15
Pan								
Silt Content								
Zone								
Fineness Modulus								
Remarks:								

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

SIEVE ANALYSIS OF FINE AGGREGATE (Refer IS 2386 Part - 1)								
Name of the Work							Test-5	
Client/Division								
Contractor								
Lab Sample No.					Date of Sampling			
Type of material					Date of Testing			
Source					Activity			
Location					Wt. of sample taken (W) gm			
IS Sieve size (mm)	Weight retained (gm)	Cumulative Wt. retained (gm)	Cumulative % retained (%)	Cumulative % passing (%)	Specification limits as per IS 383-2016			
					Zone - I	Zone - II	Zone - III	Zone - IV
10					100	100	100	100
4.75					90-100	90-100	90-100	95 100
2.36					60-95	75-100	85-100	95 - 100
1.18					30-70	55-90	75-100	90 - 100
0.6					15-34	35-59	60-79	80-100
0.30					5-20	8-30	12-40	15-50
0.15					0-10	0-10	0-10	0-15
Pan								
Silt Content								
Zone								
Fineness Modulus								
Remarks:								

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... Date of issue...</p>	

Checked By:

Tested by:

8. FLAKINESS & ELONGATION INDEX					
As per IS 2386 (Part - I)					
Name of the Work					Test-1
Client/Division					
Contractor					
Lab Sample No.				Date of sampling	:
Type of Material				Date of testing	:
Source				Sampled by	:
Location				Tested by	:
Sieve size in mm		Total Wt.of agg.retained on sieves (A) (g)	Wt.of agg.passing through thickness gauge(B) (g)	Wt.of agg.retained on thickness gauge(C) (g)	Wt.of agg.retained on length gauge after retained on thickness gauge(D) (g)
Passing	Retained				
63					
50					
40					
31.5					
25					
20					
16					
12.50					
10					
Total					
1.Flakiness Index (B/A) x 100		=	%		
2.Elongation Index (D/C) x 100		=	%		
3.Combined FI&EI		=	%		
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

FLAKINESS & ELONGATION INDEX					
As per IS 2386 (Part - I)					
Name of the Work					Test-2
Client/Division					
Contractor					
Lab Sample No.				Date of sampling	:
Type of Material				Date of testing	:
Source				Sampled by	:
Location				Tested by	:
Sieve size in mm		Total Wt.of agg.retained on sieves (A) (g)	Wt.of agg.passing through thickness gauge(B) (g)	Wt.of agg.retained on thickness gauge(C) (g)	Wt.of agg.retained on length gauge after retained on thickness gauge(D) (g)
Passing	Retained				
63					
50					
40					
31.5					
25					
20					
16					
12.50					
10					
Total					
1.Flakiness Index (B/A) x 100		=	%		
2.Elongation Index (D/C) x 100		=	%		
3.Combined FI&EI		=	%		
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

FLAKINESS & ELONGATION INDEX					
As per IS 2386 (Part - I)					
Name of the Work					Test-3
Client/Division					
Contractor					
Lab Sample No.				Date of sampling	:
Type of Material				Date of testing	:
Source				Sampled by	:
Location				Tested by	:
Sieve size in mm		Total Wt.of agg.retained on sieves (A) (g)	Wt.of agg.passing through thickness gauge(B) (g)	Wt.of agg.retained on thickness gauge(C) (g)	Wt.of agg.retained on length gauge after retained on thickness gauge(D) (g)
Passing	Retained				
63					
50					
40					
31.5					
25					
20					
16					
12.50					
10					
Total					
1.Flakiness Index (B/A) x 100		=	%		
2.Elongation Index (D/C) x 100		=	%		
3.Combined FI&EI		=	%		
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

FLAKINESS & ELONGATION INDEX					
As per IS 2386 (Part - I)					
Name of the Work					Test-4
Client/Division					
Contractor					
Lab Sample No.				Date of sampling	:
Type of Material				Date of testing	:
Source				Sampled by	:
Location				Tested by	:
Sieve size in mm		Total Wt.of agg.retained on sieves (A) (g)	Wt.of agg.passing through thickness guage(B) (g)	Wt.of agg.retained on thickness guage(C) (g)	Wt.of agg.retained on length gauge after retained on thickness gauge(D) (g)
Passing	Retained				
63					
50					
40					
31.5					
25					
20					
16					
12.50					
10					
Total					
1.Flakiness Index (B/A) x 100		=	%		
2.Elongation Index (D/C) x 100		=	%		
3.Combined FI&EI		=	%		
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

FLAKINESS & ELONGATION INDEX					
As per IS 2386 (Part - I)					
Name of the Work					Test-5
Client/Division					
Contractor					
Lab Sample No.				Date of sampling	:
Type of Material				Date of testing	:
Source				Sampled by	:
Location				Tested by	:
Sieve size in mm		Total Wt.of agg.retained on sieves (A) (g)	Wt.of agg.passing through thickness gauge(B) (g)	Wt.of agg.retained on thickness gauge(C) (g)	Wt.of agg.retained on length gauge after retained on thickness gauge(D) (g)
Passing	Retained				
63					
50					
40					
31.5					
25					
20					
16					
12.50					
10					
Total					
1.Flakiness Index (B/A) x 100		=	%		
2.Elongation Index (D/C) x 100		=	%		
3.Combined FI&EI		=	%		
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

9. LOS ANGELES ABRASION VALUE TEST						
As per IS: 2386 (Part - IV)						
Name of the Work						Test-1
Client/Division						
Contractor						
Lab Sample No.				Date Sampling		
Type of Material				Date of testing		
Source				Sampled by		
Location				Activity		
IS sieve designation (mm)		Weight of test sample of grade (gm)				No. of spheres
Passing	Retained on	A <input type="text"/>	B <input type="text"/>	C <input type="text"/>	D <input type="text"/>	
40	25	1250				A = 12
25	20	1250				
20	12.5	1250	2500			B = 11
12.5	10	1250	2500			
10	6.3			2500		C = 8
6.3	4.75			2500		
4.75	2.36				5000	D = 6
Total weight (gm)		5000	5000	5000	5000	
No. of revolutions		500	500	500	500	
Description				Sample 1	Sample 2	Sample 3
Initial Weight, W ₁ (gm)						
Weight retained after test on 1.70 mm Sieve, W ₂ (gm)						
Los Angeles Abrasion Value = $\{(W_1 - W_2) / W_1\} \times 100$						
Average of Los Angeles Abrasion Value						
Remarks :						

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

LOS ANGELES ABRASION VALUE TEST						
As per IS: 2386 (Part - IV)						
Name of the Work						Test-2
Client/Division						
Contractor						
Lab Sample No.				Date Sampling		
Type of Material				Date of testing		
Source				Sampled by		
Location				Activity		
IS sieve designation (mm)		Weight of test sample of grade (gm)				No. of spheres
Passing	Retained on	A <input type="text"/>	B <input type="text"/>	C <input type="text"/>	D <input type="text"/>	
40	25	1250				A = 12
25	20	1250				
20	12.5	1250	2500			B = 11
12.5	10	1250	2500			
10	6.3			2500		C = 8
6.3	4.75			2500		
4.75	2.36				5000	D = 6
Total weight (gm)		5000	5000	5000	5000	
No. of revolutions		500	500	500	500	
Description				Sample 1	Sample 2	Sample 3
Initial Weight, W ₁ (gm)						
Weight retained after test on 1.70 mm Sieve, W ₂ (gm)						
Los Angeles Abrasion Value = $\{(W_1 - W_2) / W_1\} \times 100$						
Average of Los Angeles Abrasion Value						
Remarks :						

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

LOS ANGELES ABRASION VALUE TEST						
As per IS: 2386 (Part - IV)						
Name of the Work						Test-3
Client/Division						
Contractor						
Lab Sample No.				Date Sampling		
Type of Material				Date of testing		
Source				Sampled by		
Location				Activity		
IS sieve designation (mm)		Weight of test sample of grade (gm)				No. of spheres
Passing	Retained on	A <input type="text"/>	B <input type="text"/>	C <input type="text"/>	D <input type="text"/>	
40	25	1250				A = 12
25	20	1250				
20	12.5	1250	2500			B = 11
12.5	10	1250	2500			
10	6.3			2500		C = 8
6.3	4.75			2500		
4.75	2.36				5000	D = 6
Total weight (gm)		5000	5000	5000	5000	
No. of revolutions		500	500	500	500	
Description				Sample 1	Sample 2	Sample 3
Initial Weight, W ₁ (gm)						
Weight retained after test on 1.70 mm Sieve, W ₂ (gm)						
Los Angeles Abrasion Value = $\{(W_1 - W_2) / W_1\} \times 100$						
Average of Los Angeles Abrasion Value						
Remarks :						

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

LOS ANGELES ABRASION VALUE TEST						
As per IS: 2386 (Part - IV)						
Name of the Work						Test-4
Client/Division						
Contractor						
Lab Sample No.				Date Sampling		
Type of Material				Date of testing		
Source				Sampled by		
Location				Activity		
IS sieve designation (mm)		Weight of test sample of grade (gm)				No. of spheres
Passing	Retained on	A <input type="text"/>	B <input type="text"/>	C <input type="text"/>	D <input type="text"/>	
40	25	1250				A = 12
25	20	1250				
20	12.5	1250	2500			B = 11
12.5	10	1250	2500			
10	6.3			2500		C = 8
6.3	4.75			2500		
4.75	2.36				5000	D = 6
Total weight (gm)		5000	5000	5000	5000	
No. of revolutions		500	500	500	500	
Description				Sample 1	Sample 2	Sample 3
Initial Weight, W ₁ (gm)						
Weight retained after test on 1.70 mm Sieve, W ₂ (gm)						
Los Angeles Abrasion Value = $\{(W_1 - W_2) / W_1\} \times 100$						
Average of Los Angeles Abrasion Value						
Remarks :						

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

LOS ANGELES ABRASION VALUE TEST						
As per IS: 2386 (Part - IV)						
Name of the Work						Test-5
Client/Division						
Contractor						
Lab Sample No.				Date Sampling		
Type of Material				Date of testing		
Source				Sampled by		
Location				Activity		
IS sieve designation (mm)		Weight of test sample of grade (gm)				No. of spheres
Passing	Retained on	A <input type="text"/>	B <input type="text"/>	C <input type="text"/>	D <input type="text"/>	
40	25	1250				A = 12
25	20	1250				
20	12.5	1250	2500			B = 11
12.5	10	1250	2500			
10	6.3			2500		C = 8
6.3	4.75			2500		
4.75	2.36				5000	D = 6
Total weight (gm)		5000	5000	5000	5000	
No. of revolutions		500	500	500	500	
Description				Sample 1	Sample 2	Sample 3
Initial Weight, W ₁ (gm)						
Weight retained after test on 1.70 mm Sieve, W ₂ (gm)						
Los Angeles Abrasion Value = $\{(W_1 - W_2) / W_1\} \times 100$						
Average of Los Angeles Abrasion Value						
Remarks :						

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

10. AGGREGATE IMPACT VALUE TEST					
As per IS: 2386 (Part - IV)					
Name of the Work					Test-1
Client/Division					
Contractor					
Lab Sample No.		Date of sampling			
Type of Material		Date of testing			
Source		Activity			
Location					
Description	Unit	Sample 1	Sample 2	Sample 3	
Weight of surface dry sample passing 12.5mm and retained on 10mm IS sieves, W ₁ .	(gm)				
Weight of fraction passing on 2.36mm sieve after the test, W ₂ .	(gm)				
Weight of fraction retained on 2.36mm sieve after the test, W ₃ .	(gm)				
W ₄ = W ₁ - (W ₂ + W ₃)	(gm)				
Aggregate Impact Value (A.I.V) = (W ₂ /W ₁) x 100	(%)				
Average Value of A.I.V	(%)				
Note : if W ₄ > 1 gm, discard and retest Specified Limits : WMM - 30% (Max); DBM 27% (Max); Concrete - 45% (Max) for otherthan Wearing Surfaces; 30% for Wearing Surfaces					
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

AGGREGATE IMPACT VALUE TEST					
As per IS: 2386 (Part - IV)					
Name of the Work					Test-2
Client/Division					
Contractor					
Lab Sample No.		Date of sampling			
Type of Material		Date of testing			
Source		Activity			
Location					
Description	Unit	Sample 1	Sample 2	Sample 3	
Weight of surface dry sample passing 12.5mm and retained on 10mm IS sieves, W ₁ .	(gm)				
Weight of fraction passing on 2.36mm sieve after the test, W ₂ .	(gm)				
Weight of fraction retained on 2.36mm sieve after the test, W ₃ .	(gm)				
W ₄ = W ₁ - (W ₂ + W ₃)	(gm)				
Aggregate Impact Value (A.I.V) = (W ₂ /W ₁) x 100	(%)				
Average Value of A.I.V	(%)				
Note : if W ₄ > 1 gm, discard and retest Specified Limits : WMM - 30% (Max); DBM 27% (Max); Concrete - 45% (Max) for otherthan Wearing Surfaces; 30% for Wearing Surfaces					
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

AGGREGATE IMPACT VALUE TEST					
As per IS: 2386 (Part - IV)					
Name of the Work					Test-3
Client/Division					
Contractor					
Lab Sample No.		Date of sampling			
Type of Material		Date of testing			
Source		Activity			
Location					
Description	Unit	Sample 1	Sample 2	Sample 3	
Weight of surface dry sample passing 12.5mm and retained on 10mm IS sieves, W ₁ .	(gm)				
Weight of fraction passing on 2.36mm sieve after the test, W ₂ .	(gm)				
Weight of fraction retained on 2.36mm sieve after the test, W ₃ .	(gm)				
W ₄ = W ₁ - (W ₂ + W ₃)	(gm)				
Aggregate Impact Value (A.I.V) = $(W_2/W_1) \times 100$	(%)				
Average Value of A.I.V	(%)				
Note : if W ₄ > 1 gm, discard and retest Specified Limits : WMM - 30% (Max); DBM 27% (Max); Concrete - 45% (Max) for otherthan Wearing Surfaces; 30% for Wearing Surfaces					
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

AGGREGATE IMPACT VALUE TEST					
As per IS: 2386 (Part - IV)					
Name of the Work					Test-4
Client/Division					
Contractor					
Lab Sample No.		Date of sampling			
Type of Material		Date of testing			
Source		Activity			
Location					
Description	Unit	Sample 1	Sample 2	Sample 3	
Weight of surface dry sample passing 12.5mm and retained on 10mm IS sieves, W ₁ .	(gm)				
Weight of fraction passing on 2.36mm sieve after the test, W ₂ .	(gm)				
Weight of fraction retained on 2.36mm sieve after the test, W ₃ .	(gm)				
W ₄ = W ₁ - (W ₂ + W ₃)	(gm)				
Aggregate Impact Value (A.I.V) = $\frac{W_2}{W_1} \times 100$	(%)				
Average Value of A.I.V	(%)				
Note : if W ₄ > 1 gm, discard and retest Specified Limits : WMM - 30% (Max); DBM 27% (Max); Concrete - 45% (Max) for otherthan Wearing Surfaces; 30% for Wearing Surfaces					
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

AGGREGATE IMPACT VALUE TEST					
As per IS: 2386 (Part - IV)					
Name of the Work					Test-5
Client/Division					
Contractor					
Lab Sample No.		Date of sampling			
Type of Material		Date of testing			
Source		Activity			
Location					
Description	Unit	Sample 1	Sample 2	Sample 3	
Weight of surface dry sample passing 12.5mm and retained on 10mm IS sieves, W ₁ .	(gm)				
Weight of fraction passing on 2.36mm sieve after the test, W ₂ .	(gm)				
Weight of fraction retained on 2.36mm sieve after the test, W ₃ .	(gm)				
W ₄ = W ₁ - (W ₂ + W ₃)	(gm)				
Aggregate Impact Value (A.I.V) = (W ₂ /W ₁) x 100	(%)				
Average Value of A.I.V	(%)				
Note : if W ₄ > 1 gm, discard and retest Specified Limits : WMM - 30% (Max); DBM 27% (Max); Concrete - 45% (Max) for otherthan Wearing Surfaces; 30% for Wearing Surfaces					
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Name of the Work			Test-1
Client/Division			
Contractor			
Lab Sample No.		Date of Sampling	
Type of material		Date of testing	
Source		Sampled by	
Location		Tested by	
Proposed use			
By Weight			
Description	Sample 1	Sample 2	
Total weight of dry sample taken (W1) gm			
Weight of dry sample after washing through 75 micron sieve (W2) gr			
Silt & clay content = $[(W1-W2)/W1] \times 100$ (%)			
Average			
By Volumetric (ml)			
Capacity of Glass measuring cylinder used :			
Volume of Sand filled in the cylinder :			
Clean water added to the above 100 ml sand :			
The Cylinder is allowed to settle till <u>24</u> hrs :			
Total Volume of Sand measured in the cylinder : (V ₁)			
Volume of Sand measured leaving the silt layer : (V ₂)			
Volume of silt thus filling the cylinder : (V ₁ -V ₂)			
% of silt and clay thus observed= $[(V_1-V_2)/V_2] \times 100$			
Average			
Specified Limits:			
By Weight			
By Volumetric			
Remarks :			

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

SILT CONTENT OF FINE AGGREGATES

Name of the Work			Test-2
Client/Division			
Contractor			
Lab Sample No.		Date of Sampling	
Type of material		Date of testing	
Source		Sampled by	
Location		Tested by	
Proposed use			
By Weight			
Description	Sample 1	Sample 2	
Total weight of dry sample taken (W1) gm			
Weight of dry sample after washing through 75 micron sieve (W2) gm			
Silt & clay content = $[(W1-W2)/W1] \times 100$ (%)			
Average			
By Volumetric (ml)			
Capacity of Glass measuring cylinder used :			
Volume of Sand filled in the cylinder :			
Clean water added to the above 100 ml sand :			
The Cylinder is allowed to settle till 24 hrs :			
Total Volume of Sand measured in the cylinder : (V ₁)			
Volume of Sand measured leaving the silt layer : (V ₂)			
Volume of silt thus filling the cylinder : (V ₁ -V ₂)			
% of silt and clay thus observed= $[(V_1-V_2)/V_2] \times 100$			
Average			
Specified Limits:			
By Weight			
By Volumetric			
Remarks :			

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

SILT CONTENT OF FINE AGGREGATES

Name of the Work			Test-3
Client/Division			
Contractor			
Lab Sample No.		Date of Sampling	
Type of material		Date of testing	
Source		Sampled by	
Location		Tested by	
Proposed use			
By Weight			
Description	Sample 1	Sample 2	
Total weight of dry sample taken (W1) gm			
Weight of dry sample after washing through 75 micron sieve (W2) gm			
Silt & clay content = $[(W1-W2)/W1] \times 100$ (%)			
Average			
By Volumetric (ml)			
Capacity of Glass measuring cylinder used :			
Volume of Sand filled in the cylinder :			
Clean water added to the above 100 ml sand :			
The Cylinder is allowed to settle till 24 hrs :			
Total Volume of Sand measured in the cylinder : (V ₁)			
Volume of Sand measured leaving the silt layer : (V ₂)			
Volume of silt thus filling the cylinder : (V ₁ -V ₂)			
% of silt and clay thus observed= $[(V_1-V_2)/V_2] \times 100$			
Average			
Specified Limits:			
By Weight			
By Volumetric			
Remarks :			

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

SILT CONTENT OF FINE AGGREGATES

Name of the Work			Test-4
Client/Division			
Contractor			
Lab Sample No.		Date of Sampling	
Type of material		Date of testing	
Source		Sampled by	
Location		Tested by	
Proposed use			
By Weight			
Description	Sample 1	Sample 2	
Total weight of dry sample taken (W1) gm			
Weight of dry sample after washing through 75 micron sieve (W2) gm			
Silt & clay content = $[(W1-W2)/W1] \times 100$ (%)			
Average			
By Volumetric (ml)			
Capacity of Glass measuring cylinder used :			
Volume of Sand filled in the cylinder :			
Clean water added to the above 100 ml sand :			
The Cylinder is allowed to settle till 24 hrs :			
Total Volume of Sand measured in the cylinder : (V ₁)			
Volume of Sand measured leaving the silt layer : (V ₂)			
Volume of silt thus filling the cylinder : (V ₁ -V ₂)			
% of silt and clay thus observed= $[(V_1-V_2)/V_2] \times 100$			
Average			
Specified Limits:			
By Weight			
By Volumetric			
Remarks :			

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

SILT CONTENT OF FINE AGGREGATES

Name of the Work			Test-5
Client/Division			
Contractor			
Lab Sample No.		Date of Sampling	
Type of material		Date of testing	
Source		Sampled by	
Location		Tested by	
Proposed use			
By Weight			
Description	Sample 1	Sample 2	
Total weight of dry sample taken (W1) gm			
Weight of dry sample after washing through 75 micron sieve (W2) gm			
Silt & clay content = $[(W1-W2)/W1] \times 100$ (%)			
Average			
By Volumetric (ml)			
Capacity of Glass measuring cylinder used :			
Volume of Sand filled in the cylinder :			
Clean water added to the above 100 ml sand :			
The Cylinder is allowed to settle till 24 hrs :			
Total Volume of Sand measured in the cylinder : (V ₁)			
Volume of Sand measured leaving the silt layer : (V ₂)			
Volume of silt thus filling the cylinder : (V ₁ -V ₂)			
% of silt and clay thus observed= $[(V_1-V_2)/V_2] \times 100$			
Average			
Specified Limits:			
By Weight			
By Volumetric			
Remarks :			

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

12. COMPRESSIVE STRENGTH OF CONCRETE CUBE
(As per IS: 516-1959)

Name of the Work								Test-1	
Client/Division									
Contractor									
Lab Sample No.						Sampled by			
Name of Structure						Tested by			
Location of Structure						Slump (mm)			
Chainage of Structure						Age in days			
Mix details						Type of curing			
Size of the cube(mm)						Volume (CC)			
Sr.no	Cube Identification No.	Date of Casting	Date of Testing	Weight (gms)	Density (gm/cc)	Load (KN)	Compressive Strength (Mpa)	Avg. Compressive Strength (Mpa)	Remarks

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Name of the Work							Test-2		
Client/Division									
Contractor									
Lab Sample No.							Sampled by		
Name of Structure							Tested by		
Location of Structure							Slump (mm)		
Chainage of Structure							Age in days		
Mix details							Type of curing		
Size of the cube(mm)							Volume (CC)		
Sr.no	Cube Identification No.	Date of Casting	Date of Testing	Weight (gms)	Density (gm/cc)	Load (KN)	Compressive Strength (Mpa)	Avg. Compressive Strength (Mpa)	Remarks

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Name of the Work								Test-3	
Client/Division									
Contractor									
Lab Sample No.						Sampled by			
Name of Structure						Tested by			
Location of Structure						Slump (mm)			
Chainage of Structure						Age in days			
Mix details						Type of curing			
Size of the cube(mm)						Volume (CC)			
Sr.no	Cube Identification No.	Date of Casting	Date of Testing	Weight (gms)	Density (gm/cc)	Load (KN)	Compressive Strength (Mpa)	Avg. Compressive Strength (Mpa)	Remarks

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Name of the Work								Test-4	
Client/Division									
Contractor									
Lab Sample No.						Sampled by			
Name of Structure						Tested by			
Location of Structure						Slump (mm)			
Chainage of Structure						Age in days			
Mix details						Type of curing			
Size of the cube(mm)						Volume (CC)			
Sr.no	Cube Identification No.	Date of Casting	Date of Testing	Weight (gms)	Density (gm/cc)	Load (KN)	Compressive Strength (Mpa)	Avg. Compressive Strength (Mpa)	Remarks

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Name of the Work							Test-5		
Client/Division									
Contractor									
Lab Sample No.							Sampled by		
Name of Structure							Tested by		
Location of Structure							Slump (mm)		
Chainage of Structure							Age in days		
Mix details							Type of curing		
Size of the cube(mm)							Volume (CC)		
Sr.no	Cube Identification No.	Date of Casting	Date of Testing	Weight (gms)	Density (gm/cc)	Load (KN)	Compressive Strength (Mpa)	Avg. Compressive Strength (Mpa)	Remarks

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Name of the Work									Test-1	
Client/Division										
Contractor										
Proposed use										
S.no	Sample ID	DIMENSIONS LXBXH IN (CM)	AREA IN (CM) ²	DRY WEIGHT	WET WEIGHT	GAIN OF WEIGHT after saturation	Moisture Content %	BREAKING LOAD IN(KN)	COMPRESSIVE STRENGTH IN N/mm ²	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
						Average MC		Average Strength		
Remarks :										

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:	Tested by:
Brick Testing	

Name of the Work									Test-2	
Client/Division										
Contractor										
Proposed use										
S.no	Sample ID	DIMENSIONS LXBXH IN (CM)	AREA IN (CM) ²	DRY WEIGHT	WET WEIGHT	GAIN OF WEIGHT after saturation	Moisture Content %	BREAKING LOAD IN(KN)	COMPRESSIVE STRENGTH IN N/mm ²	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
						Average MC		Average Strength		
Remarks :										

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:	Tested by:
Brick Testing	

Name of the Work									Test-3	
Client/Division										
Contractor										
Proposed use										
S.no	Sample ID	DIMENSIONS LXBXH IN (CM)	AREA IN (CM) ²	DRY WEIGHT	WET WEIGHT	GAIN OF WEIGHT after saturation	Moisture Content %	BREAKING LOAD IN(KN)	COMPRESSIVE STRENGTH IN N/mm ²	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
						Average MC		Average Strength		
Remarks :										

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:	Tested by:
Brick Testing	

Name of the Work									Test-4	
Client/Division										
Contractor										
Proposed use										
S.no	Sample ID	DIMENSIONS LXBXH IN (CM)	AREA IN (CM) ²	DRY WEIGHT	WET WEIGHT	GAIN OF WEIGHT after saturation	Moisture Content %	BREAKING LOAD IN(KN)	COMPRESSIVE STRENGTH IN N/mm ²	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
						Average MC		Average Strength		
Remarks :										

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:	Tested by:
Brick Testing	

Name of the Work									Test-5	
Client/Division										
Contractor										
Proposed use										
Sr.no	Sample ID	DIMENSIONS LXBXH IN (CM)	AREA IN (CM)²	DRY WEIGHT	WET WEIGHT	GAIN OF WEIGHT after saturation	Moisture Content %	BREAKING LOAD IN(KN)	COMPRESSIVE STRENGTH IN N/mm²	
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
						Average MC		Average Strength		
Remarks :										

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

14. Flexural Strength of Tiles																									
Name of the Work								Test-1																	
Client/Division																									
Contractor																									
Area of Tile																									
S	S	A	N	P	L	E	D	R	E	T	V	E	I	V	A	T	E	FLEXURAL STRENGTH CALCULATIONS		F	L	E	X	U	R

Flexural Strength of Tiles												
Name of the Work												Test-2
Client/Division												
Contractor												
Area of Tile												
S	S A M P L E	D R Y	V E T	V E I	V A T E	FLEXURAL STRENGTH CALCULATIONS						F L E X U R
							p	l =				
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
AVERAGE VALUES												

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Flexural Strength of Tiles												
Name of the Work												Test-3
Client/Division												
Contractor												
Area of Tile												
							p=lo	l=lef	c	b	t	
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
AVERAGE VALUES												

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Flexural Strength of Tiles												
S.NO	SAMPLE DESIGNATION	DRY WEIGHT	WET WEIGHT	WEIGHT INCREASE	WATER ABSORPTION (%)	1kg=9.81 Newton						FLEXURAL STRENGTH IN N/mm ²
						Actual Load	p=load taken by tile in N	l=length between centre to centre of bearings	b= breadth of tile.	t = thickness of tile	3pl/2bt ²	
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
AVERAGE VALUES												

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Flexural Strength of Tiles												
Name of the Work												Test-4
Client/Division												
Contractor												
Area of Tile												
S	S A M P L E	D R Y	W E T	W E I	W A T E	FLEXURAL STRENGTH CALCULATIONS						F L E X U R
S.NO	SAMPLE DESIGNATIO	DRY WEIGHT	WET WEIGHT	WEIGHT INCREASE	WATER ABSORPTION (%)	Actual Load	p=load taken by tile in N	l=length between centre to centre of bearings	b= breadth of tile.	t= thickness of tile	3pl/2bt ²	FLEXURAL STRENGTH IN N/mm ²
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
AVERAGE VALUES												

						Actual Load in kg x9x9.81=(p), 1kg=9.81 Newton					
						Actual Load	p=load taken by tile in N	l=length between centre to centre of bearings	b= breadth of tile.	t = thickness of tile	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
AVERAGE VALUES											

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Compressive Strength of Tiles												
Name of the Work												Test-2
Client/Division												
Contractor												
S.NO	TYPE OF SAMPLE	SAMPLE ID	SAMPLE THICKNESSIN mm	GRADE OF CONCRETE	DATE OF CAST.	AGE OF SAMPLE	AGE OF SAMPLE	BREAKING LOAD IN (KN)	COMPRESSIVE STRENGTH IN N/mm².	AGE OF SAMPLE	BREAKING LOAD IN (KN)	COMPRESSIVE STRENGTH IN N/mm².
1												
2												
3												

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

Compressive Strength of Tiles												
Name of the Work												Test-3
Client/Division												
Contractor												
	TYPE		SAM			A	A			A		
1												
2												
3												

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Compressive Strength of Tiles												
Name of the Work												Test-4
Client/Division												
Contractor												
	TYPE		SAM			A	A			A		
1												
2												
3												

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Compressive Strength of Tiles												
Name of the Work												Test-5
Client/Division												
Contractor												
	TYPE		SAM			A	A			A		
1												
2												
3												
AVERAGE VALUES												

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

S.NO	TYPE OF SAMPLE	SAMPLE ID	SAMPLE THICKNESS mm	GRADE OF CONCRETE	DATE OF CAST.	AGE OF SAMPLE	AGE OF SAMPLE	BREAKING LOAD IN (KN)	COMPRESSIVE STRENGTH IN N/mm ² .	AGE OF SAMPLE	BREAKING LOAD IN (KN)	COMPRESSIVE STRENGTH IN N/mm ² .
1												
2												
3												

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

16. Steel Tests

[illegible]

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No... .. Date of issue... ..</p>	

Checked By:

Tested by:

Steel Tests														
Name of the Work														Test-3
Contractor														
S.NO	Sample . I.D	TRADE MARK	DIA OF SAMPLE	CROSS SECTION AREA OF SAMPLE IN (mm) ²	WEIGHT OF SAMPLE IN KG/METER	INITIAL GUAGE LENGTH	FINAL GUAGE LENGTH	ELONGATION (%)	YEILD LOAD IN KN	YEILD STRENGTH(Ys)	TENSILE STRENGTH(Ts) IN (N/mm) ²	Ts/Ys	BENDING () TEST	BENDING REBENDING ()
1														
2														
3														
4														
5														
6														
7														
8														
9														

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No... .. Date of issue... ..	

Checked By:

Tested by:

Steel Tests														
Name of the Work														Test-4
S.NO	Sample . I.D	TRADE MARK	DIA OF SAMPLE	CROSS SECTION AREA OF SAMPLE IN (mm) ²	WEIGHT OF SAMPLE IN KG/METER	INITIAL GAUGE LENGTH	FINAL GAUGE LENGTH	ELONGATION (%)	YEILD LOAD IN KN	YEILD STRENGTH(Ys)	TENSILE STRENGTH(Ts) IN (N/mm) ²	Ts/Ys	BENDING () TEST	BENDING REBENDING ()
1														
2														
3														
4														
5														
6														
7														
8														
9														

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No.... .. Date of issue... ..	

Checked By:

Tested by:

Steel Tests														
Name of the Work														Test-5
S.NO	Sample . I.D	TRADE MARK	DIA OF SAMPLE	CROSS SECTION AREA OF SAMPLE IN (mm) ²	WEIGHT OF SAMPLE IN KG/METER	INITIAL GAUGE LENGTH	FINAL GAUGE LENGTH	ELONGATION (%)	YEILD LOAD IN KN	YEILD STRENGTH(Ys)	TENSILE STRENGTH(Ts) IN (N/mm) ²	Ts/Ys	BENDING () TEST	BENDING REBENDING ()
1														
2														
3														
4														
5														
6														
7														
8														
9														

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved: Page No.... .. Date of issue... ..	

Checked By:

Tested by:

Client/Division														
Contractor														
S.NO	Sample . I.D	TRADE MARK	DIA OF SAMPLE	CROSS SECTION AREA OF SAMPLE IN (mm) ²	WEIGHT OF SAMPLE IN KG/METER	INITIAL GUAGE LENGTH	FINAL GUAGE LENGTH	ELONGATION (%)	YEILD LOAD IN KN	YEILD STRENGTH(Ys)	TENSILE STRENGTH(Ts) IN (N/mm) ²	Ts/Ys	BENDING () TEST	BENDING REBENDING ()
1														
2														
3														
4														
5														
6														
7														
8														
9														

Whether Confirms to the Prescribed Limits (Yes/No)	
<p>If Results do not conform to the Prescribed Limits, Non-Conformance Report will be issued by the PIU, mention below the reference of the Page No. of this Register on which Non Conformance Reports copy is preserved:</p> <p>Page No.... .. Date of issue.... ..</p>	

Checked By:

Tested by: