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	
WOIK	
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-1

- 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	Name of the Work				
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		⁰ C			
Weight of the sample (W)		gms			
Quantity of water used (W1)		gms			
Plunger Reading (5 to 7 mm)		mm			
Normal Consistency = (W ₁ / W)x100		%			
Average Consistency		%			
Remarks:					

Checked By:

CONSISTENCY OF CEMENT IS: 4031 (Part 4) 1988				
Name of the Work				
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		⁰ 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:				

Checked By:

CONSISTENCY OF CEMENT IS: 4031 (Part 4) 1988					
Name of the Work	Name of the Work				
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		⁰ 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)

 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:

 Data of issue

Page No..... Date of issue....

Checked 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		⁰ 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:		·		

Checked 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		⁰ 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	Average Consistency			
Remarks:				

Checked By:

2. FINENESS OF CEMENT BY DRY SIEVING IS: 4031 (Part 1) 1996							
Name of the Work	Name of the Work Test-1						
Client/Division				1			
Contractor							
Lab Sample No		Batch No	:				
Brand of Cement		Date of Sampling	:				
Grade of Cement		Date of Testing	:				
Descr	iption	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 =	R2 R1 x 100	%					
Average Fineness of cement %							
Specified Limit: 10% Maximum							
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:

Checked By:

FINENESS OF CEMENT BY DRY SIEVING IS: 4031 (Part 1) 1996						
Name of the Work	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	:		
Descr	iption		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 =	R2 R1 x 100		%			
Average Fineness of cement %						
Specified Limit: 10% Maximum						
Remarks:	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:

Checked By:

FINENESS OF CEMENT BY DRY SIEVING IS: 4031 (Part 1) 1996					
Name of the Work	e 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	:	
Descr	iption		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 =	R2 R1 x 100		%		
Average Fineness of ceme	ent		%		
Specified Limit: 10% Maximum					
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribe will be issued by the PIU, mention below th Register on which Non Conformance Reports co	e reference of the Page No. of this
Page No Date of issue	

FINENESS OF CEMENT BY DRY SIEVING IS: 4031 (Part 1) 1996					
Name of the Work	f the Work Test-4				
Client/Division					
Contractor					
Lab Sample No			Batch No	:	
Brand of Cement			Date of Sampling	:	
Grade of Cement			Date of Testing	:	
Descr	iption		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 =	R2 R1 x 100		%		
Average Fineness of ceme	ent		%		
Specified Limit: 10% Maximum					
Remarks:					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribe will be issued by the PIU, mention below th Register on which Non Conformance Reports co	e reference of the Page No. of this
Page No Date of issue	

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	:		
Descr	iption		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 =	R2 R1 x 100		%			
Average Fineness of ceme	ent		%			
Specified Limit: 10% Ma	Specified Limit: 10% Maximum					
Remarks:						

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

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	Trial 3
Initial distance between in	licator points		A (mm)			
Final distance between ind	icator points		B (mm)			
Expansion			B - A (mm)			
Average Expansion			(mm)			
Remarks :						

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

	SOUNDNESS OF	CEMENT BY LE IS 4031 (Part	-CHATELIER MET 3)	HOD)	
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	Trial 3
Initial distance between inc	dicator points	A (mm)			
Final distance between ind	icator points	B (mm)			
Expansion		B - A (mm)			
Average Expansion		(mm)			
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 preserv	ved:			
Page No Date of issue	••• ••• •			

	SOUNDNESS OF	CEMENT BY LE IS 4031 (Part	-CHATELIER MET 3)	HOD)	
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	Trial 3
Initial distance between in	dicator points	A (mm)			
Final distance between ind	icator points	B (mm)			
Expansion		B - A (mm)			
Average Expansion		(mm)			
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 preserv	ved:			
Page No Date of issue	••• ••• •			

	SOUNDNESS OF	CEMENT BY LE IS 4031 (Part	-CHATELIER MET 3)	HOD)	
Name of the Work					Test-4
Client/Division					I
Contractor					
Lab Sample No.			Batch No		
Brand of Cement			Date of Sampling		
Grade of Cement			Date of Testing		
Descriptions			Trial 1	Trial 2	Trial 3
Initial distance between ine	licator points	A (mm)			
Final distance between ind	icator points	B (mm)			
Expansion		B - A (mm)			
Average Expansion		(mm)			
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 preserv	ved:			
Page No Date of issue	••• ••• •			

	SOUNDNESS (T BY LE- 1031 (Part 1	CHATELIER MET 3)	HOD)	
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	Trial 3
Initial distance between in	dicator points		A (mm)			
Final distance between ind	icator points		B (mm)			
Expansion			B - A (mm)			
Average Expansion			(mm)			
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 preserv	ved:			
Page No Date of issue	••• ••• •			
Page No Date of issue				

	4.INITIAL AND FINAI	SETTING	TIMES OF CEM	ENT		
	IS: 4	031 (Part 5) 19	88			
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 add (0.85xPxWt. of cement)/100	ed =	ml				
Time of adding water to cen	nent	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 I init.	Initial Setting Time - 30minut	es (Minimum)				
Specified Limit:	Final Setting Time - 600minutes (Maximum)					

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:

Remarks:

	INITIAL AND FINAL	SETTING 7	TIMES OF CEME	ENT				
	IS: 4	031 (Part 5) 19	88					
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	:				
De	escription	Units	Sample 1	Sample 2	Average			
Actual test temperature		⁰ C						
Weight of cement(W)		gms						
Consistency(P)		%						
Quantity of water to be ad (0.85xPxWt. of cement)/10		ml						
Time of adding water to ce	ment	Hours						
Time at initial setting		Hours						
Total time taken for initial	setting	minutes						
Time at final setting		Hours						
Total time taken for final s	etting	minutes						
Specified Limit:	Initial Setting Time - 30minut	Initial Setting Time - 30minutes (Minimum)						
Specificu Enine.	Final Setting Time - 600minut	es (Maximum)						
Remarks:								

	INITIAL AND FINAL	SETTING 7	TIMES OF CEME	ENT			
	IS: 4	031 (Part 5) 19	88				
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	:			
Des	Units	Sample 1	Sample 2	Average			
Actual test temperature		⁰ C					
Weight of cement(W)		gms					
Consistency(P)		%					
Quantity of water to be add (0.85xPxWt. of cement)/100		ml					
Time of adding water to cer	nent	Hours					
Time at initial setting		Hours					
Total time taken for initial s	setting	minutes					
Time at final setting		Hours					
Total time taken for final se	minutes						
Specified Limit:	Initial Setting Time - 30minutes (Minimum)						
Specificu Ennite	Final Setting Time - 600minut	es (Maximum)					
Remarks:							

	INITIAL AND FINAL	SETTING 7	TIMES OF CEME	ENT					
	IS: 4	031 (Part 5) 19	88						
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	:					
De	escription	Units	Sample 1	Sample 2	Average				
Actual test temperature		⁰ C							
Weight of cement(W)		gms							
Consistency(P)		%							
Quantity of water to be add (0.85xPxWt. of cement)/10		ml							
Time of adding water to ce	ment	Hours							
Time at initial setting		Hours							
Total time taken for initial	setting	minutes							
Time at final setting		Hours							
Total time taken for final s	etting	minutes							
Specified Limit:	Initial Setting Time - 30minut	Initial Setting Time - 30minutes (Minimum)							
	Final Setting Time - 600minut	es (Maximum)							
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 refer on which Non Conformance Reports copy is preserv	8
Page No Date of issue	

	INITIAL AND FINAL	SETTING 1	TIMES OF CEME	INT			
	IS: 4	031 (Part 5) 19	88				
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 add (0.85xPxWt. of cement)/100		ml					
Time of adding water to cen	nent	Hours					
Time at initial setting		Hours					
Total time taken for initial s	etting	minutes					
Time at final setting		Hours					
Total time taken for final se	minutes						
Specified Limit:	Initial Setting Time - 30minutes (Minimum)						
Specificu Emilie	Final Setting Time - 600minut	es (Maximum)					
Remarks:							

Checked By:

5.COMPRESSIVE STRENGTH OF CEMENT

IS:	4031(Part	6)1988
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				15:	4031(Fa	art 0)19	00		
Name	of the Work								Test-1
Client	t/Division								
Contr	ractor								-
Lab S	ample No.						Date of Samp	ling	:
Brand	l of Cement						Cube Identifi	cation	:
Week Ceme	No. of nt						Type of Curi	ng	:
Batch							Volume (CC)		:
Size o	f 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								4	
days									
Rema	rks :								

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

Checked By:

			COMP	PRESSIV	'E STRI	ENGTH	OF CEMEN	Γ	
		-		IS:	4031(Pa	art 6)19	88		
Name	e of the Work								Test-2
Clien	t/Division								
Conti									
	Sample No.						Date of Samp	-	
	d of Cement						Cube Identifi		
Week Ceme	No. of ent						Type of Curi	ng	
Batch							Volume (CC)	1	
	of cube(mm)	Dete of	Data af		Derecitor		Compressive Strength		Demoster
S.No	Age (Days)	Date of Casting	Date of Testing	Weight gms	Density gm/cc	Load KN	Mpa	Avg Compressive Strength (Mpa)	Remarks
03								_	
days									
07									
days									
20									
28 days								-	
Rema	urks :		<u> </u>	1	1	1	<u> </u>	<u> </u>	1

Checked By:

			COMP	PRESSIV	'E STRE	NGTH	OF CEMEN	Г	
				IS:	4031(Pa	art 6)19	88		r
Name	of the Work								Test-3
Client	t/Division								
Contr	actor								
Lab S	ample No.						Date of Samp	ling	:
Brand	l of Cement						Cube Identifi	cation	:
Week Ceme	No. of nt						Type of Curi	ng	:
Batch	No						Volume (CC)		:
Size o	f 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									
Rema	rks :						I		1

			COMP	RESSIV	E STRE	ENGTH	OF CEMEN	Г	
		1		IS:	4031(Pa	art 6)19	88		
Name	of the Work								Test-4
Clien	t/Division								
Conti	actor								
Lab S	ample No.						Date of Samp	ling	:
	l of Cement						Cube Identifi	cation	:
Week Ceme	No. of nt						Type of Curi	ng	:
Batch	No						Volume (CC)		:
Size o	f 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								-	
Rema	rks :		<u> </u>	1		I	1	1	1

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

			COMP	RESSIV	'E STRE	NGTH	OF CEMEN	Γ	
		T		IS:	4031(Pa	art 6)19	88		1
Name	of the Work								Test-5
Client	t/Division								
Contr	actor								
Lab S	ample No.						Date of Samp	ling	:
Brand	l of Cement						Cube Identifi	cation	:
Week Ceme	No. of nt						Type of Curi	ng	:
Batch	No						Volume (CC)		:
Size o	f 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									
Rema	rks :			ı			I	1	

6.	SIEVE	ANALYSIS	FOR	COARSE	AGGREGATES
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(As per	IS	2386	Part-1)
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		(As per	15 2300 1 alt-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						
I		AGGRE	GATE SIZE : 40 MM			
Weight of sample ta	ken (gm) :					
IS Sieve size (mm)	Weight Retained	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of no Table 2	ng for single sized minal size as per of IS :383
()	(gm)					mm 00
63 40						· 100
20						- 20
10						- 5
Pan						-
		AGGRE	GATE SIZE : 20 MM			
Weight of sample ta	ken (gm) :					
IS Sieve size (mm)	Weight Retained	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Percentage passing for single sized Aggregate of nominal size as per Table 2 of IS :383	
	(gm)					mm
40						00
20 10						· 100 · 20
4.75						- 5
4.75 Pan					-	- 5
ran		AGGRE	GATE SIZE : 10 MM			-
Weight of sample ta	ken (gm) :	nooke				
IS Sieve size (mm)	Weight Retained	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of no	ng for single sized minal size as per of IS :383
	(gm)				10.0	
12.5						00
10						100
4.75					-	· 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							

		SIEVE .	ANALYSIS F	OR COARSE A	GGREGATE	S	
			(As per	r IS 2386 Part-1)		
Name of the Work	<u>c</u>						Test-2
Client/Division							
Contractor							
Lab Sample No.	L					Date of sampling	:
Source						Date of testing	:
Location						Activity	:
Type of Material							
I			AGGRE	GATE SIZE : 40 MM			
Weight of sample	taken (gm) :					
IS Sieve size (mm)		ht 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 100
40						5	5 - 100
20							0 - 20
10							0 - 5
Pan							-
	_		AGGRE	GATE SIZE : 20 MM			
Weight of sample	taken (gm) :	1	1		-	
IS Sieve size (mm)	Weig	ht Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of Table	ssing for single sized nominal size as per 2 of IS :383
40							100
20						8	5 - 100
10						-	0 - 20
4.75							0 - 5
Pan							-
			AGGRE	GATE SIZE : 10 MM			
Weight of sample	taken (gm) :			_	-	
IS Sieve size (mm)	Weig	ht Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of	ssing for single sized nominal size as per 2 of IS :383
						10	.0 mm
12.5							100
10							85-100
4.75							<u>0 - 20</u> 0-5
2.36 Pan							0-3
1 dii			1			1	
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:							
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		SIEVE .	ANALYSIS F	OR COARSE A	GGREGATE	5	
			(As per	r IS 2386 Part-1)		
Name of the Work	κ.						Test-3
Client/Division							
Contractor							
Lab Sample No.						Date of sampling	:
Source						Date of testing	:
Location						Activity	:
Type of Material							
I			AGGRE	GATE SIZE : 40 MM		1	
Weight of sample	taken (gm) :					
IS Sieve size (mm)		ht 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 100
40						8	5 - 100
20							0 - 20
10							0 - 5
Pan							-
	_		AGGRE	GATE SIZE : 20 MM			
Weight of sample	taken (gm) :	1	1	1	-	
IS Sieve size (mm)	Weig	ht Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of Table	ssing for single sized nominal size as per 2 of IS :383
40							20 mm 100
20						8	5 - 100
10							0 - 20
4.75							0-5
Pan							•
			AGGRE	GATE SIZE : 10 MM			
Weight of sample	taken (gm) :					
IS Sieve size (mm)	Weig	ht Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of Table	ssing for single sized nominal size as per 2 of IS :383
						10	.0 mm
12.5							100
10							85-100 0 - 20
4.75							0-20
2.30 Pan							0-0
1 811			1		1	I	
Remarks :							

Whether Confirms to the Prescribed Limits							
(Yes/No)							
If Results do not conform to the Prescribe	ed 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							

		SIEVE .	ANALYSIS F	OR COARSE A	GGREGATE	S	
			(As per	r IS 2386 Part-1)		
Name of the Work	Σ.						Test-4
Client/Division							
Contractor							
Lab Sample No.						Date of sampling	:
Source						Date of testing	:
Location						Activity	:
Type of Material							
I			AGGRE	GATE SIZE : 40 MM			
Weight of sample	taken ((gm) :					
IS Sieve size (mm)		ght Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of Table	ssing for single sized nominal size as per 2 of IS :383
63						4	40 mm 100
40						8	5 - 100
20						-	0 - 20
10							0 - 5
Pan							-
			AGGRE	GATE SIZE : 20 MM		•	
Weight of sample	taken ((gm) :			-		
IS Sieve size (mm)	Weig	ght Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of Table	ssing for single sized nominal size as per 2 of IS :383
40							20 mm 100
20						8	5 - 100
10							0 - 20
4.75							0 - 5
Pan							
L			AGGRE	GATE SIZE : 10 MM			
Weight of sample	taken ((gm) :					
IS Sieve size (mm)	Weig	ght Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of	ssing for single sized nominal size as per 2 of IS :383
						10	.0 mm
12.5							100
10							85-100
4.75							0 - 20
2.36 Pan							0-5
1 411			1			1	
Remarks :							

Whether Confirms to the Prescribed Limits						
(Yes/No)						
If Results do not conform to the Prescribe	ed 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						

		SIEVE .	ANALYSIS H	FOR COARSE A	GGREGATE	S	
			(As pe	r IS 2386 Part-1)		
Name of the Work	κ.						Test-5
Client/Division							
Contractor							
Lab Sample No.						Date of sampling	:
Source						Date of testing	:
Location						Activity	:
Type of Material							
			AGGRI	EGATE SIZE : 40 MM			
Weight of sample	taken ((gm) :					
IS Sieve size (mm)		ght Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Percentage passing for single size Aggregate of nominal size as per Table 2 of IS :383	
63						4	40 mm 100
40						8	5 - 100
20						-	0 - 20
10							0 - 5
Pan							-
			AGGRI	EGATE SIZE : 20 MM			
Weight of sample	taken ((gm) :			-	-	
IS Sieve size (mm)	Weig	ht Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of Table	ssing for single sized nominal size as per 2 of IS :383
40						4	20 mm 100
20						8	5 - 100
10							0 - 20
4.75							0 - 5
Pan							
			AGGRI	EGATE SIZE : 10 MM			
Weight of sample	taken ((gm) :					
IS Sieve size (mm)	Weig	ght Retained (gm)	Wt. retained (%)	Cumulative % retained (%)	Cumulative % passing(%)	Aggregate of	ssing for single sized nominal size as per 2 of IS :383
						10	.0 mm
12.5							100
10							85-100
4.75							<u>0 - 20</u> <u>0-5</u>
2.36 Pan			<u> </u>				0-5
1 dii			1			1	
Remarks :							

Whether Confirms to the Prescribed Limits						
(Yes/No)						
If Results do not conform to the Prescribe	ed 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						

		7. S	IEVE ANA	LYSIS OF F	INE AGGRI	EGATE		
		1	(Re	efer IS 2386 l	Part - 1)			
Name of tl	he Work							Test-1
Client/Div	ision							
Contracto	r							
Lab Sample	No.			Date of Sampli	ng			
Type of mate	erial			Date of Testing	ļ			
Source	Activity							
Location				Wt. of sample	taken (W) gm			
IS Sieve size	Weight retained	Cumulative Wt. retained	Cumulative %retained	Cumulative Speci		fication limits as per IS 383-2016		
(mm)	(gm)	(gm)	(%)	(%)	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 Mod	lulus							
Remarks:								

Whether Confirms to the Prescribed Limits						
(Yes/No)						
If Results do not conform to the Prescrib	ed Limits, Non-Conformance Report will					
be issued by the PIU, mention below the r	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 OF FINE AGGREGATE								
			(Ref	er IS 2386	Part - 1)			
Name of th	Name of the Work							Test-2
Client/Divi	sion							
Contractor								
Lab Sample I	No.			Date of Samp	ing			
Type of mate	rial			Date of Testin	g			
Source				Activity				
Location				Wt. of sample	taken (W) gm			
IS Sieve	Weight retained	Cumulative Wt. retained	Cumulative %	Cumulative % passing	Spec	fication limits as per IS 383-2016		
size (mm)	(gm)	(gm)	retained (%)	(%)	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 Mode	ılus							
Remarks:								

Whether Confirms to the Prescribed Limits						
(Yes/No)						
If Results do not conform to the Prescribe	ed 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						

Page No...... Date of issue......

Checked By:

Tested by:

SIEVE ANALYSIS OF FINE AGGREGATE								
			(Ref	er IS 2386	Part - 1)			
Name of th	Name of the Work							Test-3
Client/Divi	sion							
Contractor								
Lab Sample 1	No.			Date of Sampl	ing			
Type of mate	rial			Date of Testin	g			
Source				Activity				
Location				Wt. of sample	taken (W) gm			
IS Sieve	Weight retained	Cumulative Wt. retained	Cumulative %	Cumulative Specif % passing		fication limits as per IS 383-2016		
size (mm)	(gm)	(gm)	retained (%)	(%)	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 Mode	ılus							
Remarks:								

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

Page No... Date of issue...

Checked By:

Tested by:

SIEVE ANALYSIS OF FINE AGGREGATE								
			(Ref	er IS 2386	Part - 1)			
Name of th	Name of the Work						Test-4	
Client/Divi	sion							
Contractor								
Lab Sample I	No.			Date of Sampl	ing			
Type of mate	rial			Date of Testin	g			
Source				Activity				
Location				Wt. of sample	taken (W) gm			
IS Sieve	Weight retained	Cumulative Wt. retained	Cumulative %	Cumulative Speci % passing		fication limits as per IS 383-2016		
size (mm)	(gm)	(gm)	retained (%)	(%)	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 Mode	ılus							
Remarks:								

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

Page No... Date of issue...

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Tested by:

SIEVE ANALYSIS OF FINE AGGREGATE								
			(Ref	er IS 2386	Part - 1)			
Name of th	Name of the Work							Test-5
Client/Divi	sion							
Contractor								
Lab Sample 1	No.			Date of Sampl	ing			
Type of mate	rial			Date of Testin	g			
Source				Activity				
Location				Wt. of sample	taken (W) gm			
IS Sieve	Weight retained	Cumulative Wt. retained	Cumulative %	Cumulative Specif % passing		fication limits as per IS 383-2016		
size (mm)	(gm)	(gm)	retained (%)	(%)	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 Mode	ılus							
Remarks:								

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

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Checked By:

Tested by:

8. FLAKINESS & ELONGATION INDEX							
As per IS 2386 (Part - I)							
Name of the Work			Test-1				
Client/Divisio	n						
Contractor							
Lab Sample	No.			Date of sampling	:		
Type of Mate	erial			Date of testing	:		
Source				Sampled by	:		
Location				Tested by	:		
Sieve size in mm		Total Wt.of agg.retained on sieves (A)	Wt.of agg.passing through thickness	Wt.of agg.retained on thickness gauge(C)	Wt.of agg.retained on length gauge after retained on thickness		
Passing	Retained	(g)	gauge(B) (g)	(g)	gauge(D) (g)		
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)
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

FLAKINESS & ELONGATION INDEX							
	As per IS 2386 (Part - I)						
Name of the Work			Test-2				
Client/Divisio	n						
Contractor							
Lab Sample	No.			Date of sampling	:		
Type of Mat	erial			Date of testing	:		
Source				Sampled by	:		
Location				Tested by	:		
Sieve size in mm		Total Wt.of agg.retained on sieves (A)	Wt.of agg.passing through thickness	through on thickness	Wt.of agg.retained on length gauge after retained on thickness		
Passing	Retained	(g)	gauge(B) (g)	(g)	gauge(D) (g)		
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)
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

FLAKINESS & ELONGATION INDEX						
As per IS 2386 (Part - I)						
Name of the Work			Test-3			
Client/Divisio	n					
Contractor						
Lab Sample	No.			Date of sampling	:	
Type of Mat	erial			Date of testing	:	
Source				Sampled by	:	
Location				Sampled by : Tested by :		
Sieve size in mm		Total Wt.of agg.retained on sieves (A)	Wt.of agg.passing through thickness	Wt.of agg.retained on thickness gauge(C)	Wt.of agg.retained on length gauge after retained on thickness	
Passing	Retained	(g)	gauge(B) (g)	(g)	gauge(D) (g)	
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)
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

FLAKINESS & ELONGATION INDEX						
As per IS 2386 (Part - I)						
Name of the Work			Test-4			
Client/Division	n					
Contractor						
Lab Sample	No.			Date of sampling	:	
Type of Mate	erial			Date of testing	:	
Source				Sampled by	:	
Location				Sampled by:Tested by:		
Sieve size in mm		Total Wt.of agg.retained on sieves (A)	Wt.of agg.passing through thickness	ng Wt.of agg.retained on thickness guage(C)	Wt.of agg.retained on length gauge after retained on thickness	
Passing	Retained	(g)	guage(B) (g)	(g)	gauge(D) (g)	
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)
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

FLAKINESS & ELONGATION INDEX						
	As per IS 2386 (Part - I)					
Name of the Work			Test-5			
Client/Divisio	n					
Contractor						
Lab Sample	No.			Date of sampling	:	
Type of Mat	erial			Date of testing	:	
Source				Sampled by	:	
Location				Tested by	:	
Sieve size in mm		Total Wt.of agg.retained on sieves (A)	Wt.of agg.passing through thickness	Wt.of agg.retained on thickness gauge(C)	Wt.of agg.retained on length gauge after retained on thickness	
Passing	Retained	(g)	gauge(B) (g)	(g)	gauge(D) (g)	
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)
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

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 Mater	rial			Date of testing		
Source				Sampled by		
Location				Activity		
IS sieve de (mi			Weight of test samp	ple of grade (gm)		No. of spheres
Passing	Retained on	A	B	C	D	
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 revolut	ions	500	500	500	500	
		Description		Sample 1	Sample 2	Sample 3
Initial Weight	Initial Weight, W ₁ (gm)					
Weight retained after test on 1.70 mm Sieve, W_2 (gm)						
Los Angeles Abrasion Value = $\{(W_1 - W_2) / W_1\} \ge 100$						
Average of Lo	Average of Los Angeles Abrasion Value					
Remarks :						

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

		LOS ANG	ELES ABRASIO	ON VALUE TEST	Г	
			As per IS: 2386 (P	art - IV)		T
Name of the V	Vork					Test-2
Client/Division						
Contractor						
Lab Sample	No.			Date Sampling		
Type of Mater	rial			Date of testing		
Source				Sampled by		
Location				Activity		
IS sieve de (mr			Weight of test samp	ole of grade (gm)		No. of spheres
Passing	Retained on	A	B	С	D	
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		0 = 0
4.75	2.36				5000	D= 6
Total weight ((gm)	5000	5000	5000	5000	
No. of revolut	ions	500	500	500	500	
		Description		Sample 1	Sample 2	Sample 3
Initial Weight	t, W ₁ (gm)					
Weight retain	ed after test (on 1.70 mm Sieve, W ₂	(gm)			
Los Angeles Abrasion Value = $\{(W_1 - W_2) / W_1\} \times 100$						
Average of Lo	s Angeles Ab	orasion 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					

		LOS ANG	ELES ABRASIO	ON VALUE TEST	Г	
		ſ	As per IS: 2386 (P	art - IV)		I
Name of the V	Vork					Test-3
Client/Division						
Contractor						
Lab Sample	No.			Date Sampling		
Type of Mater	rial			Date of testing		
Source				Sampled by		
Location				Activity		
IS sieve de (mr			Weight of test samp	ble of grade (gm)		No. of spheres
Passing	Retained on	A	B	с	D	
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 revolut	ions	500	500	500	500	
		Description		Sample 1	Sample 2	Sample 3
Initial Weight	t, W ₁ (gm)					
Weight retain	ed after test	on 1.70 mm Sieve, W ₂	(gm)			
Los Angeles A	Abrasion Val	$ue = \{(W_1 - W_2) / W_1\}$	x 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						

		LOS ANG	ELES ABRASIO	ON VALUE TEST	Г	
			As per IS: 2386 (P	art - IV)		I
Name of the W	Vork					Test-4
Client/Division						
Contractor						
Lab Sample	No.			Date Sampling		
Type of Mater	rial			Date of testing		
Source				Sampled by		
Location				Activity		
IS sieve de (mr			Weight of test samp	ole of grade (gm)		No. of spheres
Passing	Retained on	A	B	С	D	
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 revolut	ions	500	500	500	500	
		Description		Sample 1	Sample 2	Sample 3
Initial Weight	Initial Weight, W ₁ (gm)					
Weight retain	ed after test	on 1.70 mm Sieve, W ₂ ((gm)			
Los Angeles Abrasion Value = $\{(W_1 - W_2) / W_1\} \ge 100$						
Average of Lo	os Angeles Al	orasion Value				
Remarks :						

Whether Confirms to the Prescribed Limits						
(Yes/No)						
If Results do not conform to the Prescribed	l 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	d:					
Page No Date of issue						

		LOS ANG	ELES ABRASIO	ON VALUE TEST	Г	
		ſ	As per IS: 2386 (P	art - IV)		
Name of the W	Vork					Test-5
Client/Division						
Contractor						
Lab Sample	No.			Date Sampling		
Type of Mater	rial			Date of testing		
Source				Sampled by		
Location				Activity		
IS sieve de (mr			Weight of test samp	ble of grade (gm)		No. of spheres
Passing	Retained on	A	B	С	D	
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 revolut	ions	500	500	500	500	
		Description		Sample 1	Sample 2	Sample 3
Initial Weight	Initial Weight, W1 (gm)					
Weight retain	ed after test	on 1.70 mm Sieve, W ₂	(gm)			
Los Angeles Abrasion Value = $\{(W_1 - W_2) / W_1\} \ge 100$						
Average of Los Angeles Abrasion Value						
Remarks :						

Whether Confirms to the Prescribed Limits						
(Yes/No)						
If Results do not conform to the Prescribed	l 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	d:					
Page No Date of issue						

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, W1.		(gm)					
Weight of fraction passing on 2.36mm sieve after the test, W2.		(gm)					
Weight of fraction retained on 2.36mm sieve after the test, W3.		(gm)					
W4 = W1 - (W2 + W3)		(gm)					
Aggregate Impact Value (A.I.V) = (W2/W1) x 100		(%)					
Average Value of A.I.V	(%)						
Note : if W4 > 1 gm, discar Specified Limits : WMM - Concrete - 45% (Max) for	30% (Max); DBM 27			aces			
Remarks :							

Whether Confirms to the Prescribed Limits	
(Yes/No)	
If Results do not conform to the Prescribed Lim	its, 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	••• ••• •

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	l	Unit	Sample 1	Sample 2	Sample 3		
Weight of surface dry sample passing 12.5mm and retained on 10mm IS sieves, W1.		(gm)					
Weight of fraction passing after the test, W2.	g on 2.36mm sieve	(gm)					
Weight of fraction retained on 2.36mm sieve after the test, W3.		(gm)					
W4 = W1 - (W2 + W3)		(gm)					
Aggregate Impact Value (A.I.V) = (W2/W1) x 100		(%)					
Average Value of A.I.V		(%)					
Note : if W4 > 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	f the Page No. of this Register on which Nor
Conformance Reports copy is preserved:	

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	1	Unit	Sample 1	Sample 2	Sample 3
Weight of surface dry sample passing 12.5mm and retained on 10mm IS sieves, W1.		(gm)			
Weight of fraction passing on 2.36mm sieve after the test, W2.		(gm)			
Weight of fraction retained on 2.36mm sieve after the test, W3.		(gm)			
W4 = W1 - (W2 + W3)		(gm)			
Aggregate Impact Value (A.I.V) = (W2/W1) x 100		(%)			
Average Value of A.I.V		(%)			
Note : if W4 > 1 gm, disca Specified Limits : WMM Concrete - 45% (Max) for	- 30% (Max); DBM 27	. ,	·	aces	
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 o	of the Page No. of this Register on which Nor
Conformance Reports copy is preserved:	

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, W1.		(gm)			
Weight of fraction passing on 2.36mm sieve after the test, W2.		(gm)			
Weight of fraction retaine after the test, W3.	d on 2.36mm sieve	(gm)			
W4 = W1 - (W2 + W3)		(gm)			
Aggregate Impact Value (A.I.V) = (W2/W1) x 100		(%)			
Average Value of A.I.V		(%)			
Note : if W4 > 1 gm, discar Specified Limits : WMM - Concrete - 45% (Max) for	30% (Max); DBM 27			aces	
Remarks :					

Whether Confirms to the Prescribed Limits (Yes/No)	
If Results do not conform to the Prescribed issued by the PIU, mention below the reference Non Conformance Reports copy is preserved:	
Page No Date of issue	

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	l	Unit	Sample 1	Sample 2	Sample 3
Weight of surface dry sample passing 12.5mm and retained on 10mm IS sieves, W1.		(gm)			
Weight of fraction passing on 2.36mm sieve after the test, W2.		(gm)			
Weight of fraction retained on 2.36mm sieve after the test, W3.		(gm)			
W4 = W1 - (W2 + W3)		(gm)			
Aggregate Impact Value (A.I.V) = (W2/W1) x 100		(%)			
Average Value of A.I.V		(%)			·
Note : if W4 > 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	f the Page No. of this Register on which Nor
Conformance Reports copy is preserved:	

11. SILT CONTENT OF FINE AGGREGATES

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 sa	mple taken (W1) gm		
Weight of dry sample	after washing through 75 micron sieve (W2) gr		
Silt & clay content = [Silt & clay content = [(W1-W2)/W1] X 100 (%)		
Average			
	By Volumetric (ml)		
Capacity of Glass mea	asuring 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 : (V1)			
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]x100			
Average			
Specified Limits:	:		
By Weight	:		
By Volumetric	:		
Remarks :			

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

Page No...... Date of issue.....

Checked By:

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 sa			
Weight of dry sample (W2) gm	after washing through 75 micron sieve		
Silt & clay content =	[(W1-W2)/W1] X 100 (%)		
Average			
	By Volumetric (m	l)	
Capacity of Glass me	asuring 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)			
	ling the cylinder : (V ₁ -V ₂)		
% of silt and clay thus observed=[(V ₁ -V ₂)/V ₂]x100			
Average			
Specified Limits:	:		
By Weight			
By Volumetric	:		
Remarks :			

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

Page No..... Date of issue....

Checked By:

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		1
	Description	Sample 1	Sample 2
Total weight of dry sa			
Weight of dry sample (W2) gm	after washing through 75 micron sieve		
Silt & clay content =	[(W1-W2)/W1] X 100 (%)		
Average			
	By Volumetric (m	l)	
Capacity of Glass me	asuring 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)			
	sured leaving the silt layer : (V ₂)		
	ling the cylinder : (V ₁ -V ₂)		
% of silt and clay thus observed=[(V ₁ -V ₂)/V ₂]x100			
Average			
Specified Limits:	:		
By Weight			
By Volumetric	:		
Remarks :			

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

Page No..... Date of issue...

Checked By:

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] X 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 : (V1)			
	ured leaving the silt layer : (V ₂)		
	ing the cylinder : (V ₁ -V ₂)		
% of silt and clay thus observed=[(V ₁ -V ₂)/V ₂]x100			
Average			
Specified Limits:	:		
By Weight	:		
By Volumetric	:		
Remarks :			

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

Page No...... Date of issue.....

Checked By:

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 sa				
Weight of dry sample gm	e after washing through 75 micron sieve (W2)			
Silt & clay content =	[(W1-W2)/W1] X 100 (%)			
Average				
	By Volumetric (m	l)		
Capacity of Glass me	asuring 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 : (V1)				
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]x100				
Average				
Specified Limits:	:			
By Weight				
By Volumetric	:			
Remarks :				

Whether Confirms to the Prescribed Limits		
(Yes/No)		
If Results do not conform to the Prescribed L	imits, 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	••• •••	

Tested by:

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

Nan Woi	ne of the °k								Test-1
Clie	nt/Division								
	tractor						1		
	Sample No.						Sampled by		
	ne of Icture						Tested by		
	ation of Icture						Slump (mm)		
	inage of Icture						Age in days		
	details						Type of curing		
	of the e(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 I	Limits, Non-Conformance Report will be
issued by the PIU, mention below the reference o	f the Page No. of this Register on which
Non Conformance Reports copy is preserved:	
Page No Date of issue	••• •••

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

Nan Woi	ne of the rk								Test-2
Clie	nt/Division								
	tractor						1	ſ	
	Sample No.						Sampled by		
	ne of Icture						Tested by		
	ation of Icture						Slump (mm)		
	inage of Icture						Age in days		
Mix	details						Type of curing		
	of the e(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 L	imits, 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:

COMPRESSIVE	STRENGTH	OF	CONCRETE	CUBE
	(As per IS: 51	6-19	59)	

Nan Wor	ne of the `k								Test-3
Clie	nt/Division								
	tractor						1	ſ	
	Sample No.						Sampled by		
	ne of Icture						Tested by		
	ation of Icture						Slump (mm)		
	inage of Icture						Age in days		
Mix	details						Type of curing		
	of the e(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 L	imits, 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:

COMPRESSIVE	STRENGTH	OF	CONCRETE	CUBE
	(As per IS: 51	6-19	59)	

Nan Woi	ne of the rk								Test-4
Clie	nt/Division								
	tractor						1		
	Sample No.						Sampled by		
	ne of Icture						Tested by		
	ation of icture						Slump (mm)		
	inage of icture						Age in days		
	details						Type of curing		
	e of the e(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 I issued by the PIU, mention below the reference which Non Conformance Reports copy is preserved:	,
Page No	

COMPRESSIVE STRENGTH	H OF CONCRETE CUBE
(As per IS: 5	516-1959)

Nan Woi	ne of the rk								Test-5
Clie	nt/Division								
	tractor						T		
	Sample No.						Sampled by		
	ne of Icture						Tested by		
	ation of Icture						Slump (mm)		
	inage of Icture						Age in days		
	details						Type of curing		
	of the e(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 L	imits, 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							

Name	of the V	Vork							Test-1
	/Divisio								
Contractor									
Propo	sed 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)	COMPRESSIV E STRENGTH IN N/mm ²
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
	Average MC Average Strength								
Remar	ks :								

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

Tested by:

Name	of the V	Vork							Test-2
	/Divisio								
Contra	actor								
Propo	sed 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)	COMPRESSIV E STRENGTH IN N/mm ²
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
	Average MC Average Strength								
Remar	ks :								

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	• ••• ••• •					

Tested by:

Name	of the V	Vork							Test-3
	/Divisio								
Contractor									
Propo	sed 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)	COMPRESSIV E STRENGTH IN N/mm ²
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
	Average Average MC Strength								
Remar	ks :								

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

Tested by:

Name	of the V	Vork							Test-4
Client	/Divisio	n							
Contractor									
Propo	sed 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)	COMPRESSIV E STRENGTH IN N/mm ²
1									
2									
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4									
5									
6									
7									
8									
9									
10									
						Average MC		Average Strength	
Remar	Remarks :								

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

Tested by:

Name	of the V	Vork							Test-5
	/Divisio								
Contra	actor								
Propo	sed 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)	COMPRESSIV E STRENGTH IN N/mm ²
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
	Average Average MC Strength								
Remar	ks :								

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

	14. Flexural Strength of Tiles									
Name of the Work				Test-1						
Client/Division				1						
Contractor										
Area of Tile										
N NASUHE	URY > HE	N H I A L H A	FLEXURAL STRENGTH CALCULATIONS	FJEXDK						

	Flexural Strength of Tiles											
Na	me of the Work											Test-2
(Client/Division											I
	Contractor											
	Area of Tile											
\mathbf{v}	N A S A L H	D R	N E F	N H L	N A H H	FLEXU	RAL ST	RENGT	I CALO	CULA	TIONS	FJEXDK
							ä	_				
1												
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4												
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8												
9												
10												
	AVERAG	E VAI	LUES									

Checked By:

	Flexural Strength of Tiles										
Na	me of the Work										Test-3
(Client/Division										
	Contractor										
	Area of Tile										
							p=lo	l =len c	q	t	
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
	AVERAG	E VAI	LUES								

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	ce of the Page No. of this Register on which							
Non Conformance Reports copy is preserved:								
Page No								

	I	1	1		Florencel	Strength of						I
						Strength 0						
	NC				(%)		1kg	g=9.81 N	ewtor	1	1	
S.NO	SAMPLE DESIGNATION	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												
10												
	AVERAG	E VAI	LUES									

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 Prescribe	ed Limits, Non-Conformance Report will be
issued by the PIU, mention below the reference	ce of the Page No. of this Register on which
Non Conformance Reports copy is preserved:	
Page No Date of issue	• • • • • • • •

Checked By:

×					Flexural	Strength of	f Tiles					
Na	me of the Work											Test-4
0	Client/Division											I
	Contractor											
	Area of Tile	of Tile										
S	N A S A L H	D M >	> 년 E	N E F		exural Strength of Tiles FLEXURAL STRENGTH CALCULATIONS FLEXURAL STRENGTH CALCULATIONS Actual Load Actual					RURXDR	
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/2bt²	FLEXURAL STRENGTH IN N/mm ²
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
	AVERAG	E VAI	LUES	1								

					Act	ual Lo 1k	ad in kg g=9.81 N	x9x9. ewtor	.81=(p 1) ,	
					Actual Load	p=load taken by tile in N	I =length between centre to centre of bearings	b= breadth of tile.	t = thickness of tile	3pl/2bt²	
1											
2											
3											
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6											
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8											
9											
10											
	AVERAG	E VAL	LUES								

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:

	Compressive Strength of Tiles											
Na	me 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/mm ² .	AGE OF SAMPLE	BREAKING LOAD IN (KN)	COMPRESSIVE STRENGTH IN N/mm².
1												
2												
3												

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

			Compressiv	e Strength	of Tile	S			
	_								
Na	me of the Work								Test-3
(Client/Division								
	~								
	Contractor								
	E	Ν		P	A		•	A	-
	TYPE	SAM							
1									
1									
2									
4									
3									

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

Compressive Strength of Tiles												
Na	me of the Work											Test-4
(Client/Division											
	Contractor											
	(-)			1		•	Ā					
	PE		SAM			ł	ł			A		
	TYPE		Š									
1												
2												
3												ĺ

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

			I	I	Compressiv	ve Strength	of Tile	e e				
Compressive Strength of Tiles												
Na	me of the Work											Test-5
	Client/Division											
, c	_lient/Division											
	Contractor											
	TYPE		SAM			A	A			A		
	ΧL		Š									
1												
2												
3												
5	AVERAG	LUES	I									

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

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)	
If Results do not conform to the Prescribe	ad Limits Non-Conformance Report will be
issued by the PIU, mention below the reference	
Non Conformance Reports copy is preserved:	
Page No Date of issue	

	- 0.3	[S	Steel T	Tests						
	ient/Division													
S.NO	Sample . I.D	TRADE MARK	DIA OF SAMPLE	CROSS SECTION AREA OF SAMPLE IN (mm) ²	WEIGHT OF SAMPLE IN KG/METER	INTIAL 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 Prescribe	d Limits, Non-Conformance Report will be
issued by the PIU, mention below the reference	e of the Page No. of this Register on which
Non Conformance Reports copy is preserved:	
Page No Date of issue	••• ••• •••

Steel Tests															
ľ	Name of the Work														
	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	INTIAL 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 Prescribe	d Limits, Non-Conformance Report will be
issued by the PIU, mention below the reference	e of the Page No. of this Register on which
Non Conformance Reports copy is preserved:	
Page No Date of issue	

~						S	Steel 7	Tests						
ľ	ame of the Work													Test-4
ON.S	Sample . I.D	TRADE MARK	DIA OF SAMPLE	CROSS SECTION AREA OF SAMPLE II (mm) ²	WEIGHT OF SAMPLE IN KG/METER	INTIAL 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														
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6														
7														
8														
9														
	Whathar Ca	C	a to 41	Duce	onih od T	imita		•	•]

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

Page No... Date of issue...

Checked By:

Steel Tests														
Name of the Work														Test-5
ON.S	Sample . I.D	TRADE MARK	DIA OF SAMPLE	CROSS SECTION AREA OF SAMPLE II (mm) ²	WEIGHT OF SAMPLE IN KG/METER	INTIAL 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														
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9														
Whathar Confirms to the Prescribed Limits														

Whether Confirms to the Prescribed Limits							
(Yes/No)							
If Results do not conform to the Prescribe	d Limits, Non-Conformance Report will be						
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Non Conformance Reports copy is preserved:							
Page No	••• ••• •••						

01 issue •••

Checked 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	INTIAL GUAGE LENGTH	FINAL GUAGE LENGTH	ELONGATION (%)	YEILD LOAD IN KN	YEILD STRENGTH(Ys)	TENSILE STRENGTH(Ts) IN (N/mm) ²	$s_{X/SL}$	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 Prescribe	ed Limits, Non-Conformance Report will be						
issued by the PIU, mention below the reference	ce of the Page No. of this Register on which						
Non Conformance Reports copy is preserved:							
Page No Date of issue							