OFFICE OF THE EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT
TESTING AND QUALITY CONTROL DIVISION, KISHANGANJ

Letter No-------- Date- 27-11-25

Format – "A" (For Road/Approach Roads)

1. **Name of Scheme :-** PMGSY - III
2. **Name of Road :-** MRL 19- RCD Road Thaka to Nishandra **Chainage/Location:-** 9.250 KM
3. **Name of Circle :-** Kishanganj
4. **Name of Division :-** Kishanganj - I **Block :-** Terangachh
5. **Length of Road (Sanctioned) :-** 25.10 KM **Actual Length :-** 25.10 KM
6. **Date of Inspection :-** 27-11-2025

Sl.No	Parameters	Remarks
1	**Attention to Quality**	
I.	Field laboratory established with all necessary equipment (Attach Geo tagged Photographs).	yes
II.	QC Register Part-1 & Part-2 maintained and mandatory test conduct as per provisions.	yes
III.	Mention the name of tests conducted & their findings related to the following material.	
(a)	Cement/concrete	–
(b)	Sand	–
(c)	Stone	–
(d)	Steel	–
	Awarded Grade	'S'
2	**Geometrics**	
I.	Chainage (m)	13.495 KM
II.	Roadway width (m)	7.5 m
III.	Carriageway width (m)	5.5 m
IV.	Carriageway camber (%)	CC Pavement 1.5%
V.	Shoulder width (m)	In Progress
VI.	Shoulder camber (%)	In Progress
VII.	Side slope (V:H)	In Progress

VIII.	Super elevation (%)/widening (m)	In Progress
	Awarded Grade (Camber in CC Pavement)	'SR1'
3	**Earth work and subgrade**	
I.	Chainage (m)	In Progress
II.	Soil identification/classification	In Progress
III.	Degree of compaction (%)	In Progress
	Awarded Grade	
4	**Sub-Base**	
I.	Chainage (m)	9.250 KM
II.	Thickness of the layer (mm)	175 mm
III.	Gradation of Sub-base material	'S'
IV.	Plasticity of Sub-base material	-
V.	Compaction of Sub-base layer (%)	100%
	Awarded Grade	'S'
5	**Base Coarse-Water Bound Macadam (WMM/WBM)** II & III	
I.	Chainage (m)	9.250 KM
II.	Thickness of each layer of WBM/WMM (mm) Grs - II - 75mm, III - 150mm	
III.	Plasticityof Crushable Aggregate	-
IV.	Volume of filler material (%) Gr - II & III	20.73%, 30.53%
V.	Gradation of Coarse Aggregate Gr - II : 'S', III : 'U'	
	Awarded Grade Gr - III	'U'
6	**Bituminous Base Coarse (BM)**	NILL
I.	Chainage (m)	-
II.	Percentage of Bitumen Content	-
III.	Thickness of Bituminous layer	-
IV.	Grading of Coarse Aggregate	-
	Awarded Grade	-
7	**Bituminous layer-premix Carpet (PMC)/MSS/SDBC**	Not Started Yet
I.	Chainage (m)	-
II.	Percentage of Bitumen Content	-
III.	Thickness of Bituminous layer	-
IV.	Grading of Coarse Aggregate	-
V.	Quality of wearing surface (Attach the test report of IRI)	-
	Awarded Grade	-
8	**Dry lean Cement Concrete**	NILL
I.	Chainage (m)	-

II.	Thickness (mm)	-
III.	Compressive Strength of CC in Concrete Pavement/Concrete Block	-
	Awarded Grade	-
9	**CC/PQC/Panel Concrete Pavements**	
I.	Chainage (m)	13.495 Km
II.	Thickness of the pavement (mm)	125mm
III.	Width of the pavement (m)	5.5m
IV.	Compressive Strength of CC in Concrete Pavement/Concrete Block	36.97 MPA
V.	Quality of workmanship joints & edge etc.	yes
VI.	Quality of wearing surface (Attached the test report of IRI)	yes
	Awarded Grade	'S'
10	**Shoulders**	
I.	Chainage (m)	13.495km
II.	Width of the shoulder (m)	In Progress
III.	Quality of material for Shoulders	In Progress
IV.	Degree of Compsction (%) (Attached the test report)	In Progress
	Awarded Grade	
11	**Cross Drainage Works**	NILL
I.	Chainage (m)	-
II.	Types of CD Structure	-
III.	Quality of material, such as concrete (cube test), stone/brick masonary, Hume pipe including size etc.	-
IV.	Quality of workmanship, such as positioning of Hume pipes, wing walls, cusion over hume pipes, vent clearance etc.	-
V.	Parapet Walls	-
	Awarded Grade	
12	**Side Drain and Catch Water Drain**	NILL
I.	Chainage (m)	-
II.	Genral quality of side Drain/Catch Water Drains and their integration with CD Structues	-
	Awarded Grade	-
13	**Road Furniture and Markings**	
I.	Main Informatory Board (As per Norms)	yes
II.	Citizen Informatory Board/Maintenance Board (As per Norms)	yes

III.	Kilometer post/200 m Stone/Precautionary/Mandatory Sign Boards	In Progress
IV.	Road Marking	-
	Awarded Grade	'C'

Note :- * Attach Test Report.
* Attach Relevant Photographs.

08/12/25

08/12/25

(Er. Satish Chaudhary)
Executive Engineer
T & QC Division
Kishanganj

OFFICE OF THE EXECUTIVE ENGINEER
TESTING AND QUALITY CONTROL DIVISION
KISHANGANJ

Letter no..... Date.....

RESULT OF PHYSICAL TEST FOR GRADATION OF COARSE AGGREGATE

7. Name of road..MRL 19 RCD Road Thala.....Division..Kishanganj-I
.....to..Nishendra.....
8. Package/Agreement No.....BR18P3R27.....Circle...Kishanganj
9. Nature of sample.....Inspection at site.....
10. Sample collected by.....Agency...Ashok Kumar
11. Date of sample collection .....
12. Location.....9.250 KM..... Date of test..27-11-2025

SL no	Aggregate impact value(AIV)		Flakiness index		Water absorption		Remarks
	Test value	Required value (max)	Test value	Required value (max)	Test value	Required value (max)	
		40%		30%		3%	

SIEVE ANALYSIS FOR GRADATION .....(W.B.M-III)..Thickness =150mm

Weight of sample taken.....54.128kg

SL no	I.S. Sieve size/ Designation	Wt. of sample retained	% of weight retained	Cumulative % of wt. retained	% of weight passing	Required value in %	Remarks
	63 mm	0	0	0	100	100%	
	53 mm	5.014	9.26	9.26	90.74	95-100 %	
	45 mm	13.125	24.25	33.51	66.49	65-90 %	
	22.4 mm	28.105	51.92	85.43	14.57	0-10 %	
	11.2 mm	7.884	14.57	100.00	0.00	0-5 %	

Dust wt = 16.525 kg

% of screening = $\frac{16.525}{54.128} \times 100$

= 30.53 %

27/11/25
JE

27.11.25
AE

28/11/25
Executive Engineer Testing And
Quality control Division
Kishanganj

OFFICE OF THE EXECUTIVE ENGINEER
TESTING AND QUALITY CONTROL DIVISION
KISHANGANJ

Letter no.....

Date.....

RESULT OF PHYSICAL TEST FOR GRADATION OF COARSE AGGREGATE

1.Name of road...MRL 19 RCD Road Thola.....Division...Kishanganj-I
.....to Nishandia.....

2.Package/Agreement No.....BRIDP3R 27.....Circle.....Kishanganj

3.Nature of sample.....Inspection at site.....

4.Sample collected by.....Agency...Ashok Kumar

5.Date of sample collection .....

6.Location.....9.250 KM..... Date of test...27-11-2025

SL no	Aggregate impact value(AIV)		Flakiness index		Water absorption		Remarks
	Test value	Required value (max)	Test value	Required value (max)	Test value	Required value (max)	
		40%		30%		3%	

SIEVE ANALYSIS FOR GRADATION .....(W.B.M-II). Thickness = 75mm

Weight of sample taken...40.254 kg

SL no	I.S. Sieve size/ Designation	Wt. of sample retained	% of weight retained	Cumulative % of wt. retained	% of weight passing	Required value in %	Remarks
	90 mm	0	0	0	100	100%	
	63 mm	1.530	3.80	3.80	96.20	90-100%	
	53 mm	10.313	25.62	29.42	70.58	25-75 %	
	45 mm	24.120	59.92	89.34	10.66	0-15 %	
	22.4 mm	4.291	10.66	100.00	0.00	0-5%	

Dust wt = 8.345 kg

% of screening = $\frac{8.345}{40.254} \times 100$

= 20.73 %.

27/11/25 JE

27.11.25 AE

27/11/25 AC

Sanj 08/12/25

Executive Engineer Testing And Quality control Division Kishanganj

OFFICE OF THE EXECUTIVE ENGINEER
TESTING AND QUALITY CONTROL DIVISION
KISHANGANJ

Letter no............ Date..........

RESULT OF PHYSICAL TEST FOR GRADATION OF COARSE AGGREGATE

1. Name of road...MRL 19 RCD Road Jhala to Nichardha...Division...Kishanganj-1
2. Package/Agreement No....BR IBP3R 27...Circle...Kishanganj...
3. Nature of sample......Inspection at site.................
4. Sample collected by.....................................Agency...Ashok Kumar
5. Date of sample collection ....
6. Location.......9.250 km......................... Date of test...27-11-2025

SL no	Aggregate impact value(AIV)		Flakiness index		Water absorption		Remarks
	Test value	Required value (max)	Test value	Required value (max)	Test value	Required value (max)	
		40%		30%		3%	

SIEVE ANALYSIS FOR GRADATION ......(G.S.B-I)...Thickness =

Weight of sample taken...85.535 kg

SL no	I.S. Sieve size/ Designation	Wt. of sample retained	% of weight retained	Cumulative % of wt. retained	% of weight passing	Required value in %	Remarks
	75 mm	0	0	0	100	100%	
	26.5 mm	23.343	27.29	27.29	72.71	55-75 %	
	4.75 mm	38.405	44.90	72.19	27.81	10-30 %	
	0.075 mm	18.039	21.09	93.28	6.72	< 10 %	

Sd/- 08/12/25

Executive Engineer
Testing And Quality Control Division
Kishanganj

Sd/- 27/11/25 JE   Sd/- 27.11.25 AE   Sd/- 08/12/25 AE

OFFICE OF THE EXECUTIVE ENGINEER
RURAL WORKS DEPARTMENT
TESTING AND QUALITY CONTROL DIVISION, KISHANGANJ

Name of Work:- MRL 19 RCD Road Thala to Nisheudsa

Mix Design:- M35

Date of test:- 27-11-2025

Rebound Hammer Test

Sl. No.	Observation of rebound hammer Test R-Value			
Location :-	13.495km			
1	38			
2	39			
3	41			
4	37			
5	39			
6	35			
7	38			
8	40			
9	36			
Average Reading	38.11			
Equivalent Compressive Strength= Mpa	36.97 MPA			

Sam 08/12/25

27/11/25 JE

29.11.25 AE

08/12/2025 AE