

**PHYSICAL AND GRADATION TEST OF COARSE/FINE AGGREGATE OF  
CHIPS GRADING (GSB, WMM, DGM, SDBC, BM)**

Name of Work :- IMP. of Road Under CHD Name of Agency :

**DWARIKA SINGH**

Name of Road :- Gehbur to Tapovan Road

Date :- 15.03.2017

**GSB Gr-I**

**PHYSICAL TEST**

| Sl. No. | Location | Eye Observation | A.I.V. Test |            | Flankiness Index |            | Water absorption |            |
|---------|----------|-----------------|-------------|------------|------------------|------------|------------------|------------|
|         |          |                 | Test Value  | Reqd Value | Test Value       | Reqd Value | Test Value       | Reqd Value |
|         |          |                 | 26.31       | 30%        |                  |            |                  |            |

**GRADATION TEST**

| Sl. No. | Location                 | Wt. Taken (in Kg.) | Sieve Size | Individual Wt. Retained | Individual Wt. % Retained | Communal % Wt. Retained | % of Passing | Required Value | Remarks |
|---------|--------------------------|--------------------|------------|-------------------------|---------------------------|-------------------------|--------------|----------------|---------|
| 1       | 97 <sup>th</sup> Ist Km. | 14.38 Kg           | 75         | NIL                     | NIL                       | NIL                     | 100          | 100            |         |
|         |                          |                    | 26.5       | 3.86                    | 26.84                     | 26.84                   | 73.16        | 55-75          |         |
|         |                          |                    | 4.75       | 6.47                    | 44.99                     | 71.84                   | 28.16        | 10-30          |         |
|         |                          |                    | 75 MIC     | 3.41                    | 23.71                     | 95.55                   | 4.45         | 0-10           |         |

py of E.E., RCD Div.

*Leo Chaturvedi*  
Road Manager 15/3/17

**PHYSICAL AND GRADATION TEST OF COARSE/FINE AGGREGATE OF  
CHIPS GRADING (GSB, WMM, DGM, SDBC, BM)**

Name of Work :-

IMP of Road under CMBS Name of Agency :

DWARIKA SINGH

Name of Road :-

Gehlaur to Tapraon Road

Date: - 15.03.2017

GSB Gr-I

**PHYSICAL TEST**

| Sl. No. | Location | Eye Observation | A.I.V. Test |                | Flankiness Index |                | Water absorption |                |
|---------|----------|-----------------|-------------|----------------|------------------|----------------|------------------|----------------|
|         |          |                 | Test Value  | Required Value | Test Value       | Required Value | Test Value       | Required Value |
|         |          |                 | 25.65       | 30%            |                  |                |                  |                |

**GRADATION TEST**

| Sl. No. | Location   | Wt. Taken (in Kg.) | Sieve Size | Individual Wt. Retained | Individual Wt. % Retained | Communal % Wt. Retained | % of Passing | Required Value | Remarks |
|---------|------------|--------------------|------------|-------------------------|---------------------------|-------------------------|--------------|----------------|---------|
| 1       | 9th KM 2nd | 13.88 kg           | 75         | NIL                     | NIL                       | NIL                     | 100          | 100            |         |
|         |            |                    | 26.5       | 3.64                    | 26.22                     | 26.22                   | 73.78        | 55-75          |         |
|         |            |                    | 4.75       | 6.33                    | 45.61                     | 71.83                   | 28.17        | 10-30          |         |
|         |            |                    | 75 MIC     | 3.52                    | 25.36                     | 97.19                   | 2.81         | 0-10           |         |

py of E.E., RCD Div.

*Dew Chaturvedi*  
Road Manager 15/3/17

**PHYSICAL AND GRADATION TEST OF COARSE/FINE AGGREGATE OF  
CHIPS GRADING (GSB, WMM, DGM, SDBC, BM)**

Name of Work :-

IMP of Road under CNB) Name of Agency :

DWARIKA SINGH

Name of Road :-

Gehlaur to Tapovan Road

Date :- 10.05.2017

GSB Gr - I

**PHYSICAL TEST**

| Sl. No. | Location | Eye Observation | A.I.V. Test |                | Flankness Index |                | Water absorption |                |
|---------|----------|-----------------|-------------|----------------|-----------------|----------------|------------------|----------------|
|         |          |                 | Test Value  | Required Value | Test Value      | Required Value | Test Value       | Required Value |
|         |          |                 | 24.88       | 30 %           |                 |                |                  |                |

**GRADATION TEST**

| Sl. No. | Location         | Wt Taken (in Kg.) | Sieve Size | Individual Wt. Retained | Individual Wt. % Retained | Communal % Wt. Retained | % of Passing | Required Value | Remarks |
|---------|------------------|-------------------|------------|-------------------------|---------------------------|-------------------------|--------------|----------------|---------|
| 1       | 977<br>KM<br>324 | 13.59<br>kg       | 75         | NIL                     | NIL                       | NIL                     | 100          | 100            |         |
|         |                  |                   | 26.5       | 3.64                    | 26.78                     | 26.78                   | 73.22        | 55-75          |         |
|         |                  |                   | 4.75       | 6.11                    | 44.96                     | 71.74                   | 28.26        | 10-30          |         |
|         |                  |                   | 75mic      | 3.60                    | 26.49                     | 97.59                   | 2.41         | 0-10           |         |

py of E.E, RCD Div.

*Devi Chaturvedi*  
Road Manager 10/05/2017

**PHYSICAL AND GRADATION TEST OF COARSE/FINE AGGREGATE OF  
CHIPS GRADING (GSB, WMM, DGM, SDBC, BM)**

Name of Work :- IMP of Road Under CHBD Name of Agency :

**DWARIKA SINGH**

Name of Road :- Gehlaur to Tapovan Road

Date :- 12.05.2017

GSB Gr-1

**PHYSICAL TEST**

| Sl. No. | Location | Eye Observation | A.I.V. Test |                | Flakiness Index |                | Water absorption |                |
|---------|----------|-----------------|-------------|----------------|-----------------|----------------|------------------|----------------|
|         |          |                 | Test Value  | Required Value | Test Value      | Required Value | Test Value       | Required Value |
|         |          |                 | 24.96       | 30%            |                 |                |                  |                |

**GRADATION TEST**

| Sl. No. | Location     | Wt. Taken (in Kg.) | Sieve Size | Individual Wt. Retained | Individual Wt. % Retained | Communal % Wt. Retained | % of Passing | Required Value | Remarks |
|---------|--------------|--------------------|------------|-------------------------|---------------------------|-------------------------|--------------|----------------|---------|
| 1       | 9.25 KM A 15 | 14.17              | 75         | NIL                     | NIL                       | NIL                     | 100          | 100            |         |
|         |              |                    | 26.5       | 3.80                    | 26.82                     | 26.82                   | 73.18        | 55-75          |         |
|         |              |                    | 4.75       | 6.41                    | 45.24                     | 72.06                   | 27.94        | 10-30          |         |
|         |              |                    | 75mic      | 3.38                    | 23.85                     | 95.91                   | 4.09         | 0-10           |         |

Signature of E.E., RCD Div.

*Dev Chaudhary*  
Road Manager 12/05/2017

**PHYSICAL AND GRADATION TEST OF COARSE/FINE AGGREGATE OF  
CHIPS GRADING (GSB, WMM, DGM, SDBC, BM)**

Name of Work:-

IMP of Road under CM&D Name of Agency:

DWARIKA SINGH

Name of Road:-

Gehlaur to Tapraam Road

Date:- 12-05-2017

GSB Gr-I

**PHYSICAL TEST**

| Sl. No. | Location | Eye Observation | A.I.V. Test |                | Flankiness Inded |                | Water absorption |                |
|---------|----------|-----------------|-------------|----------------|------------------|----------------|------------------|----------------|
|         |          |                 | Test Value  | Reuqried Value | Test Value       | Reuqried Value | Test Value       | Reuqried Value |
|         |          |                 | 22.60       | 30%            |                  |                |                  |                |

**GRADATION TEST**

| Sl. No. | Location   | Wt. Taken (in Kg.) | Sieve Size | Individual Wt. Retained | Individual Wt. % Retained | Communal % Wt. Retained | % of Passing | Required Value | Remarks |
|---------|------------|--------------------|------------|-------------------------|---------------------------|-------------------------|--------------|----------------|---------|
| 1       | 977 KM 5th | 15.830 kg.         | 75         | NIL                     | NIL                       | NIL                     | 100          | 100            |         |
|         |            |                    | 26.5       | 6.425                   | 40.60                     | 40.60                   | 59.40        | 55-75          |         |
|         |            |                    | 4.75       | 5.27                    | 33.30                     | 73.90                   | 26.10        | 10-30          |         |
|         |            |                    | 75mic      | 3.92                    | 24.76                     | 98.66                   | 1.34         | 0-10           |         |

py of E.E., RCD Div.

*Devi Chubunoli*  
12/05/2017  
Road Manager