

To,
The Assistant Engineer (QC)
Quality Control Lab., DUSIB
Vikas Kutir, ITO, New Delhi

RNo. 1357
RECEIVED 12 SEP 2017

Part I

No AL-23/AE-III/C-1/2017-18 ^{D-9}
AL No : WA/4222/AL No-23/EE/C-1/2017-18/D-299 dt-03.08.2017 Dated : 12 Sep 2017
Sub : Testing of Coarse Sand for particle size distribution / Silt Content. Zone III
1. NOW : Pay & Use JSC

Sub-head :- Construction of 2(Two) Nos 30 seater prefab JSC at JJ Cluster at Indira Camp No.5, Vikas Puri and at
JJ Cluster Rajiv Gandhi Camp along Nalla, Hastsal (Only Development work, Tubewell and Motor)
(Project ID 000009411)

Tender No : 2017_DUSIB_132835_1, NIT NO.38/EE C-1/2017-18

2. Details from where sample is collected : From Site
3. Name of Circle/Division : C-1/AE-III
4. Name of Junior Engineer : T P Thakur
5. Name of Assistant Engineer : Sh Balbir Singh
6. Name of Executive Engineer : Sh P K Singh
7. Name of Contractor/Agency : M/S Durga Construction Co.
8. Name of officer Collecting Sample : Sh Balbir Singh
9. Date of Collection : 08 Sep 2017
10. Quantity of sample sent for testing : 10.0 Kg

Specimen relating to work mentioned above is/are sent for testing. It is certified that the sample(s) marked has/have been taken in my presence which represent 40 Cum. quantity of work/supply made at site / store.

Signature of J.E.
Incharge of work

Signature of contractor

Signature of officer
taking sample (EE/AE)

Part II

TEST REPORT

No. SE(QC/AE(Lab.)/2017-D-1580 Date 14/09/17
Test no. 1357 Date 12.9.17

Date of Receipt 12/9/2017

Date of Testing 12/9/2017

A) SILT CONTENT :

Height of Silt :

Height of sand:

% of silt content:

8 mmpl
102 mmpl
$$\frac{8}{102} \times 100 = 7.84\%$$

B) GRADING:

Zone III

Weight of sample tested :

500 gm

| S.No. | Sieve Size | Wt. Retained In (gms.) | % wt. retained | Cumulative % retained | % Passing | Reqd. % passing as per specifications |
|-------|------------|---------------------------|-------------------|--------------------------|-----------|--|
| 1 | 10mm | 0 gm | 0.00 | 0.00 | 100.00 | 100 |
| 2 | 4.75mm | 0 u | 0.00 | 0.00 | 100.00 | 90-100 |
| 3 | 2.36 mm | 34 u | 6.80 | 6.80 | 93.20 | 85-100 |
| 4 | 1.18mm | 72 u | 14.40 | 21.20 | 78.80 | 75-100 |
| 5 | 600 micron | 52 u | 10.40 | 31.60 | 68.40 | 60-79 |
| 6 | 300 micron | 192 u | 38.40 | 70.00 | 30.00 | 12-40 |
| 7 | 150micron | 110 u | 22.00 | 92.00 | 8.00 | 0-10 |
| 8 | Pan | 40 u | 8.00 | 100.00 | 0.00 | ACCEPTABLE |

Only testing has been conducted in this laboratory. the samples have been collected and handed over by field staff of the concerned division.

Copy to:

1. EE/C-1

2. OLC

Assistant Engineer (QC) Lab.