

RECEIVING

PNO-2213

03 JAN 2018

To

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

Part IDispatch No. D-13/EEC/DUSIB/17-18Date: 3/1/18Sub: Testing of Coarse/fine sand for particle size distribution/silt content.

- A. L. No. 18/wj/6975(18)EE C-6/DUSIB/2017-18/D-1192 Dt.:04.12.2017
- Name of work: SBM
SHConstruction of septic tank in JSC at JJ Basti Indira Kalyan
Vihan near Dustbin, Okhla Ind. Area Phase-I.(9809)
 - Details from where sample is collected From the Site of work-----
 - Name of Circle/Division Circle II/C-6-----
 - Name of Junior Engineer Sh. Ramesh-----
 - Name of Assistant Engineer Sh. Deepak Kumar Behl-----
 - Name of Executive Engineer Sh. O.P. Pruthi-----
 - Name of Contractor/Agency M/S Raj Builders-----
 - Name of Officer collecting sample: Sh. Deepak Kumar Behl-----
 - Date of collection: 1-1-18-----
 - Quantity of sample sent for testing: One Bag of coarse sand-----

Specimen relating to work mentioned above is/are sent for testing. It is certified that the sample/
samples marked-----A-----has/have been taken in my presence which represent 20 quantity
of works/supply made at site/store.

Signature of JE 1-1-18
Incharge of work

Signature of Contractor

Signature of Officer
taking sample (JE/AE)

Part II**TEST REPORT**No. SE (QC)/AE (Lab.)/2017-18/D- 2487Date: 08/01/18Test No. 2213 Date: 3-1-18Date of Receipt: 03/1/18Date of testing: 03/1/18**(A) SILT CONTENT:**Height of Silt : 03/01/18Height of Sand : 03/01/18

% age of silt content:

ACCEPTABLE

$$\frac{6 \text{ mm}}{96 \text{ mm}} \times 100 = 6.25\%$$

(B) PARTICLE SIZE DISTRIBUTIONZone IIIWeight of sample tested: 500 gm

| S.No | Sieve Size | Weight retained in (gms) | % age wt. retained | Cumulative %age retained | % age passing | Reqd. % age passing as per specs. |
|------|------------|-----------------------------|-----------------------|-----------------------------|------------------|--------------------------------------|
| 1. | 10mm | <u>0 gm</u> | <u>0.00</u> | <u>0.00</u> | <u>100.00</u> | <u>100</u> |
| 2. | 4.75mm | <u>0 "</u> | <u>0.00</u> | <u>0.00</u> | <u>100.00</u> | <u>90-100</u> |
| 3. | 2.36mm | <u>18 "</u> | <u>3.60</u> | <u>3.60</u> | <u>96.40</u> | <u>85-100</u> |
| 4. | 1.18mm | <u>64 "</u> | <u>12.80</u> | <u>16.40</u> | <u>83.60</u> | <u>75-100</u> |
| 5. | 600micron | <u>82 "</u> | <u>16.40</u> | <u>32.80</u> | <u>67.20</u> | <u>60-79</u> |
| 6. | 300micron | <u>186 "</u> | <u>37.20</u> | <u>70.00</u> | <u>30.00</u> | <u>12-40</u> |
| 7. | 150micron | <u>118 "</u> | <u>23.60</u> | <u>93.60</u> | <u>6.40</u> | <u>0-10</u> |
| 8. | Pan | <u>32 "</u> | <u>6.40</u> | <u>100.00</u> | <u>0.00</u> | <u>-</u> |

ACCEPTABLE

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

Assistant Engineer (QC-Lab)
DUSIB, Vikas Kutir, ITO
Delhi Urban Shelter Improvement Board
Govt. of N.C.T. of Delhi
ITO, New Delhi-02

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