

To

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

R No - 146  
Received on 28/8/17  
Date: 02/8/17

**Part I**

Dispatch No. D/132/AE VII/EEC/11/2017

Sub: Testing of Water for construction purpose.

A. L. No. F/WC/4450/AL-54/EEC-11/DUSIB/2016-17/P-1798 dt. 14/3/17.  
EIVS

- i. Name of work:-  
SH: Imp of drainage system & providing & laying cc pavement over existing deteriorated portions in JT cluster at HP Block, Pitampura.
2. Details from where sample is collected : From site
3. Name of Circle/Division : Circle - 4/C-11
4. Name of Junior Engineer
5. Name of Assistant Engineer
6. Name of Executive Engineer
7. Name of Contractor/Agency
8. Name of Officer collecting sample
9. Date of collection: 02/8/17
10. Date of handing over the sample 02/8/17
11. Quantity of sample sent for testing 1 litre

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

Signature of AE  
In charge of work

Signature of Contractor

Signature of Officer  
taking sample (EE/AE)

**Part II**

**TEST REPORT**

No. SE (QC)/AE (Lab.)/2017-18/D- 1093

Test No. 146

Date: 28/8/17

Date: 04/08/17

Date of Receipt 28/8/17

Date of testing: 02/8/17

Date of completion of testing: 02/8/17

| S.No. | Name of the test conducted                         | Test Value       | Acceptable criteria                                                                  | Remarks            |
|-------|----------------------------------------------------|------------------|--------------------------------------------------------------------------------------|--------------------|
| 1.    | Alkalinity to neutralize 100 ml of sample of water | <u>5.18 ml</u>   | 0 - 25 ml of 0.02N H <sub>2</sub> SO <sub>4</sub>                                    |                    |
| 2.    | Acidity to neutralize 100 ml of sample of water    | <u>1.70 ml</u>   | 0 - 5 ml of 0.02N NaOH                                                               |                    |
| 3.    | Sulphates (SO <sub>4</sub> ) in mg/ litre          | <u>143.65 ml</u> | 0 - 400 mg/litre                                                                     |                    |
| 4.    | <u>Total suspended solids</u>                      | <u>197.10 ml</u> | <u>2000 max.</u>                                                                     |                    |
| 5.    | Chlorides (Cl <sub>2</sub> ) in mg/litre           | <u>87.25 ml</u>  | 500 mg/litre for RCC work & 2000 mg/litre for concrete not containing embedded steel | <u>Acceptable.</u> |
| 6.    | <u>Total solids</u> in mg/litre                    | <u>168.50 ml</u> | 0 - 3000 mg/litre                                                                    | <b>ACCEPTABLE</b>  |
| 7.    | Total Organic matter in mg/litre                   | <u>103.35 ml</u> | 0 - 200 mg/litre                                                                     |                    |
| 8.    | pH Value                                           | <u>7.19</u>      | Should not be less than 6.                                                           |                    |

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  
Assistant Engineer (QC)  
Delhi Urban Shelter Improvement Board  
Govt. of N.C.T. of Delhi  
ITO, New Delhi-110002

Copy to:-

1. EE/C-11
2. o/c