

**PUNJAB WATER SUPPLY & SEWERAGE BOARD,
PLOT NO. I- B, SECTOR 27-A, CHANDIGARH.**

From

Engineer in Chief cum
Technical Advisor

To

Chief Engineer (East),
Punjab Water Supply & Sewerage Board,
Patiala.

No. PWSSB- 2018/Q.C / 3131

Dated: 23/2/18

Subject: - Inspection of ongoing works at Sangrur & Dhuri on dated 19-02-2018 by Q.C Team (Er J.S Bhattal & SDE, QC)

During the visit of Quality Control team at Sangrur & Dhuri cluster town on dated 19-02-2018 the following points have come to our notice:-

(A) Ext & Aug of W/S & Sew Sch at Sangrur.

- i 32 KM of sewer has been laid out of which only 20Kms sewer is said to be functional & remaining is at upper ends & main sewers are required to be laid.
- ii In many colonies sewer was already laid since 1 year but surplus earth has not been removed. Surplus earth is lying in small heaps on full width of metal road making it in convenient for general public to travel even on a two wheelers. Consolidation of stone metal as WBM is cut portion have not been started yet. After that whole road is needed to be carpeted.
- iii Where there were katcha road, earth is very undulated causing inconvenience to traffic, which implies that there is no proper consolidation done by the agency.
- iv In zone II many reaches of branch sewer has been laid at upstream end whereas the main sewer is yet to be planned & laid for want of decision to acquire STP & MPS Site.
- v Construction of OHSR of 1 LAC Gln capacity was in progress & nearly 70% civil work is completed. The binding of steel of second bit was going on but it could not be checked as there was no way to reach the second bit. The steel is neither checked by JE nor by SDE concerned.
- vi The steps of OHSR were being casted on site, the steel of which was checked. It was found that to the central steel bar, proper anchorage length is not kept which can result in unsafe of the same in bending moment. The lap length in rings in the step was only 80mm which was suppose to be 24d i.e 240mm minimum. So the total number of 80 steps casted at site needs to be rejected.
- vii As per the statement of Project Manager 328 nos street lights have been installed In Preet vihar street lights have been installed before July 2017 but till date they

are not properly functional. The same have been commissioned through old MC lines & not through proper control boxes as per DPR.

(B) Ext & Aug of W/S & Sew Sch at Dhuri.

- (i) Main sewer of 800mm i/d RCC pipe has been laid on Mandi Board Road since 6 months but site for STP has not been finalized. Surplus earth is lying on full width of the road making it inconvenient for the general public to travel even on a two wheelers.
- (ii) Sewer work of 400mm i/d SW pipes was in progress in Aggarsen Colony. SW Pipes lying at site were checked & 50% of them were found to be cracked when sounded with light hammer.
- (iii) Work of Interlocking tile was in progress in Preet vihar & Jeevan Nagar. The general practice of the agency in laying 1:8:16 CC, very less quality of water is used. This results in poor binding of the material, thereby decreasing the strength.
- (iv) It has come to the notice that interlocking tiles are laid in various streets but the sewer has not been commission till date. Even metering of W/S connections is also pending.

(C) Operation & Maintenance of Water Supply, Sewerage & STP at Sangrur & Dhuri.

- (i) O&M of Sangrur & Dhuri was handed over to the agency on dated 10-10-2016 but after more than one year no effort to workout & fix KPI (Key Performance Indicator) has been initiated by the agency which can lead to financial implication after two years when payment will be made according to fixed KPI.
- (ii) As per agreement 17700 nos Water meters in Sangrur town & 9000 nos water meters in Dhuri town were to be installed but even the procurement of water meters has not been initiated.
- (iii) Pressure gauges to monitor pressure to various zones were required to be fixed but nothing has been done.

Point no A(v), A(vi), B(iii) are of serious nature, so call the explanation of all the concerned & fix responsibilities for such serious technical lapse.

In addition all the Executive Engineers & agencies must be directed to ensure that sewers be started from the existing system so that no expenditure is infructuous & commissioned even if the works are stopped for any reason.

You are requested to report within 7 days after attending to the observations pointed above.

Abhit Verma.
22/2/18.
o/ Executive Engineer (Q.C)
For Engineer in Chief cum
Technical Advisor
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