

OFFICE OF THE DIRECTOR (T&QC)  
DELHI JAL BOARD  
WATER WORKS WAZIRABAD  
(GOVT. OF N.C.T. OF DELHI)  
DELHI - 110054.

No.: - DJB/Dir(T&QC)/2011/2051

Dated... 6/6/11

INSTRUCTIONAL ORDER

As, monsoon season is at the doorstep and turbidity of raw water reaches in thousands (JTU) warranting application of high dose of **water coagulant (Alum/PAC)** and **disinfectant chlorine** at Water Treatment Plants and other installations. The quality of raw water fluctuates randomly due to washing of catchments areas followed by flood. To maintain quality of filtered water right from raw water (at WTPs) up to the finished water, strict treatment and purification mechanism as well as consistent surveillance and monitoring of whole system needs to be exercised perfectly. The treatment and purification of raw water, **pre-chlorination, coagulation, flocculation, sedimentation, filtration, post-chlorination and scouring system** is strictly supervised by quality control staff i.e. Asstt. Chemist along with filtration staff in three running shifts. In order to maintain quality and quantity of filtered water, all concerned quality control personnel are hereby instructed to be more vigilant towards the proper & accurate dosing of Alum/PAC & Chlorine, which is to be applied after having determined in plant laboratory shift-wise. If any changes in turbidity of raw water occurred, the same should be recorded in plant log-sheet by shift Asstt. Chemist for

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application of dose of chemicals and also will inform Chemist / CWA and their senior concerned officer.

With the view of above, it is advised to all T&QC shift staff to be more vigilant & pay proper heed towards ensurance of filtered water qualitatively & quantitatively at treatment plants.

Hence, all concerned EEs (E&M) working at treatment plants are advised to ensure the following:

1. In view of high raw water turbidity which incorporates high consumption of Alum, PAC and liquid chlorine, stock of above chemicals must adequately be arranged at each treatment plant's storage units.
2. To set right the functioning units of clarifiers, like flash mixture, bridge, flocculators, scour, washing pumps, blowers, various valve of filter bed and their under-drainage system etc.
3. Recycling and desludging system wherever are in existence, should function smoothly & the accumulation of sludge in the tanks should be removed continuously at WTPs viz. Bhagirathi, Nangloi and from pre settling tanks at Chandrawal No. 1.

Adding to this, proper arrangement of lighting be ensured at all points where quality of water is checked and particularly at **scours, Raw water channels**, in order to carry on physical checks by shift quality control and filtration staff. Trolley for carrying Alum cakes from Alum godown to the raw water channels should be kept ready,

as, during high turbidity, these cakes are used for immediate purification purpose.

If any abnormality during shifts is noticed, it should immediately be informed to seniors for taking remedial measure and to overcome the situation during high raw water turbidity, so that, quality of filtered water could be maintained as per prescribed standards.

For compliance by all concerned.


All Concerned

Copy to:

-sd/-

(D.R. ARYA)  
Director (T&QC)

1. Hon'ble CEO - For kind information please.
2. Member (A) - -do-
3. Member (WS) - -do-
4. Addl. CEO - -do-
5. Secretary, DJB - -do-
6. CE (E&M)-WW-I/II - May kindly ensures that all treatment units at WTP are working perfectly, so that quality & quantity of filtered water could be maintained as per prescribed standards.
7. SE (WW)-I/II/III - -do-
8. EE (E&M)-I/II/HP-I/II/Nangloi/BP/Okhla/Sonia Vihar - -do-
9. CWA (C)/N - To keep closed watch on water quality.
10. ACWA-BP/Chd./Wzd./HP/BP/Nangloi/Okhla

  
Director(T&QC) 05/11