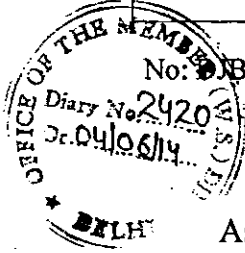




**DELHI JAL BOARD : GOVT. OF N.C.T. OF DELHI  
OFFICE OF THE DIRECTOR (T&QC)  
WATER WORKS WAZIRABAD , DELHI-110054**



No: **985** JB/Dir(T&QC)/2014/.....

Dated: 03.06.2014

**INSTRUCTIONAL ORDER**

As, monsoon season is at the doorstep and Turbidity of Raw water in source 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, Scouring System, Filtration, Back Washing of Filter Beds & Post-Chlorination is strictly supervised by quality control staff i.e. Asstt. Chemist along with filtration staff, in three running shifts at WTPs. In order to maintain Quality and Quantity of filtered water, all concerned Quality control personnel are hereby instructed to be more vigilant towards application of the proper, accurate & determined dose of Alum/PAC & Chlorine 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 application of dose of chemicals and also will inform to Chemist / ACWA and their senior concerned officer for needful action.

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

All concerned EEs (E&M) working at treatment plants are also advised to ensure the following:

1. In view of high raw water turbidity followed by 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 all functioning units like Alum Solution Tanks with agitators for homogenous Alum solution & PAC Feeding System, Flashmixture, Clarifiers, Bridge, flocculators, Scour, Backwash Pumps, Air Blowers, Siphon, Various Valves of filter bed and their under-drainage system etc.

**Pl. note that any mal-functioning of above momentous units will adversely affect water Quality at treatment plants.**

3. Recycling and desludging system wherever are in existence, should function smoothly & the accumulation of sludge in the tanks should be removed continuously.
4. Adding to this, proper arrangement of lighting be ensured at all points where quality of water is checked during night shift and particularly at scours, clarifiers & Raw water channels.
5. During high turbidity, trolley for carrying Alumcakes from Alum godown to the raw water channels should be kept ready, as, these cakes are also used for immediate purification purpose.

If any abnormality during shifts is noticed by Quality control staff, 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

-sd/-  
(D.R. ARYA)  
Director (T&QC)

Copy to:

1. C.E.O. - For information please.
2. Member (A) - ----do----
- ✓ 3. Member (WS) - ----do----
4. Addl. CEO - ----do----
5. CE (E&M)-WW - May kindly ensures that all treatment units at WTPs are working perfectly, so that Quality & quantity of filtered water could be maintained as per prescribed standards.
6. SE (WW)-I/II/III - ----do----
7. EE (E&M)-I/II/HP-I/II/Nangloi/ BP/Okhla/Sonia Vihar - ----do----
8. CWA (C)/N - To keep close watch on Treatment & purification process of R/W during rainy season (High Turbidity) & ensure that Quality is maintained in each shift at WTPs.

Director(T&QC) | 06/14