

## **WORKING OF BHARTI NANO FLUORIDE REMOVAL TECHNOLOGY**

### **BY ONLINE DOSING OF SKF 281164(A) AND SKF 281164(B)**

Bharti Nano Fluoride Removal Technology is CSIR, GOI tested and approved number: LT-05/ESD/11/17/1/85 for fluoride treatment technology from ground water.

#### **Working of Bharti SKF 281164 Fluoride Removal Technology**

1. Mix one packet of SKF-281164(A) in 35 liters of water container and mix properly.
2. Mix one packet of SKF-281164(B) in separate container of 35 liters of water and mix properly.
3. Use the solution after one hour. The chemical solutions are now ready to be dosed in the pipeline to remove the fluoride in water.
4. First SKF-281164(A) solution is dosed in the pipeline water. SKF-281164(A) solution attacks the free fluoride ions present in water forming a primary hydration sphere and precipitates the fluoride in hydrated form.
5. SKF-281164(A) ions also precipitate the fluoride ion by The fluoride is reduced from 7 PPM to 1 PPM according to the doses required.
6. The water is passed through a pressure filter. The purpose of the pressure filter is to provide enhanced contact time to SKF-281164(A) solution to precipitate the fluoride in water and filter the treated water upto 10 microns.
7. In the second step of the process, the water is then dosed with SKF-281164(B) solution to prevent regeneration of fluoride in water and keep it as per BIS 10500 permissible limits.
8. After dosing the SKF-281164(B) solution the water is passed through the final pressure filter for filtering out the remaining precipitated fluoride.
9. No backwashing, regeneration or electricity is required in the Bharti SKF 281164 Fluoride Removal Technology thus making it the most user friendly, sustainable and reliable fluoride treatment technology in the world.
10. **One Packet of SKF 281164 (A+B) De-Fluorinates 30000-40000 liters of water.**
11. **Adoptability:** The unit is such that it can be hooked to both small and medium defluoridation requirements including hand pump results obtained are meeting the specification of Bureau of Indian Standard (BIS) IS:10500-2012.

**No Regeneration is required and no backwash needed for fluoride removal only dosing of Bharti Nano SKF-281164 chemical meeting all requirements.**

#### **BHARTI WATERS PVT.LTD.**

M-4B, Aradhana Bhawan, Azadpur Commercial Complex, Delhi-110033  
 Email: bharti@bhartiwaters.com | Ph: 011-27674396, 27681298, 47502243  
 Website: www.bhartiwaters.com  
 CIN NO: U15543DL2004PTC128953

