



सीएसआईआर-राष्ट्रीय पर्यावरण अभियांत्रिकी अनुसंधान संस्थान  
कोलकाता क्षेत्रीय केन्द्र

आई - ८, सेक्टर - सी, ई.के.ए.डि.पी, ईस्टार्न मेट्रोपलिटान बाईपास, कोलकाता - ७०० १०७  
दूरभाष +91-33-2442-1988/2441-5999 फेक्स +91-33-2441-7608  
ई-मेल : kzl@neeri.res.in/ d\_majumdar@neeri.res.in

**CSIR-National Environmental Engineering Research Institute**

**Kolkata Zonal Centre**

I-8, Sector - 'C', EKADP, EM By Pass, Kolkata - 700 107, WB  
Tel : +91-33-2442-1988/2441-5999, Fax : +91-33-2441-7608  
E-mail: kzl@neeri.res.in/d\_majumdar@neeri.res.in



KZC/Report/2023/80  
11.05.2023

To

M/s Harambh Chemicals Pvt. Ltd

B-30/2A-5, Gangabag Colony, (Behind HDFC Bank)

Lanka, Varanasi

UP- 221005

**Sub: Final Project Report**

**Ref: Work Order No: 121/NEERI/54/2021; Dated 08.12.2021**

Sir,

CSIR-NEERI took up a project titled "*Bacteriological Testing and Appraisal of Hypochlorite & Silver Ionization based Water Disinfection Systems*", in which the bactericidal efficiency of water treatment technologies namely hypochlorite based electronic chlorination and nano-particle based silver ionization, developed by **M/s Harambh Chemicals Pvt. Ltd.** were tested in a pilot scale plant installed in the campus of Kolkata Zonal Center of CSIR-NEERI during 2022-23. Experimental details and key findings are detailed in the attached **Final Report** for your kind reference and use.

Thanks and Regards,

(Dr Rachna Jain)

Sr. Scientist

CSIR-NEERI, KZC

(Deepanjan Majumdar)  
Sr. Principal Scientist & Head  
CSIR-NEERI, KZC