



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार का उपक्रम) रजिस्टर्ड ऑफिस: 17, जमशेदजी टाटा रोड, मुम्बई - 400020

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A Government of India Enterprise) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI-400020

CIN-L23201MH1952GOI008858

GSTIN NO. 08AAACH1118B1ZC

दूरभाष/ TELEPHONE : 0141-2554958, 2724718, 2724720

फैक्स/ FAX : 0141-2720628

एम.डी.पी.एल. परिचालन मुख्य कार्यालय,
M.D.P.L. OPNS.-HEAD OFFICE
डी-7, लालबहादुर नगर (पूर्व) जे.एल.एन. मार्ग,
D-7, Lal Bahadur Nagar (E), J.L.N. Marg
मालवीय नगर, जयपुर-302017
Malviya Nagar, Jaipur-302017

To,

Chakr Innovation Pvt Ltd,
102, Namdhari Chambers,
Karol Bagh, New Delhi 110005

Date: 23rd May, 2018.

Sub: Installation and Commissioning of Chakr shield device in 140 KVA-DG set at Tikrikalan.

Given the high level of ambient air pollution in Delhi, where Hindustan Petroleum Corporation Limited is having Pipeline stations at Tikrikalan, with deteriorating ambient Air Quality, we have been looking, how to contribute for cleaner environment for our employees and the society at large.

To promote indigenous technologies and achieve our goal of cleaner air, experimented the novel technology, called Chakr Shield, developed by Chakr Innovation by install Chakr Shield at our 140 kVA Diesel Generator located at BTPL- TikriKalan receiving station for reduction carbon emission from DG set.

The device Chakr Shield was commissioned on 1st January, 2018 and has effectively reduced particulate matter emissions from our exhaust by over 85%. The particulate matter capturing efficiency was checked regularly by a third-party lab recognized by The Ministry of Environment, Forest and Climate Change, Government of India and accredited by National Accreditation Board for Testing and Calibration Laboratories (**NABL**). The device by Chakr Innovation showed regular and consistent performance without having any negative impact on Diesel generator's efficiency. The device has also been maintained in a timely manner by the Chakr Innovation team.

We are satisfied with performance of Chakr Shield installed at BTPL-Tikrikalan and meeting our requirement.

I am glad to see such an abled team of innovators working to create a positive change in the society. I wish Chakr Innovation all the very best and wish to see their technology spread across Globe.

Regards,

A.K Gupta

General Manager

Mundra Delhi Pipeline - Operations **IGM-MDPL OPNS,-JAIPUR**

Hindustan Petroleum Corporation Limited

A. K. GUPTA