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தேசிய கட்டிட ஆராய்ச்சி நிறுவனம்
NATIONAL BUILDING RESEARCH ORGANISATION

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Our Ref. NBRO/ENV/26201/2014/081
AQ/2014/081

Your Ref.

Date 10th July 2014

Client: Director/Head corporations
Northern Power Company (Pvt) Ltd,
Chunnakam Power House,
Chunnakam,
Jaffna.

Certified True Copy
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REPORT ON

THE TESTING OF STACK EMISSIONS LEVELS OF THE POWER GENERATING ENGINES AT THE NOTHERN POWER COMPANY (PVT) LTD, CHUNNAKAM.

(July - 2014)

1. SCOPE

The client, Director/Head corporations, Northern Power Company (Pvt) Ltd, requested to the Environmental Division of National Building Research Organisation (NBRO) to test Stack Emissions Levels of power generating engines at their 30 MW thermal power plant at Chunnakam to assess their emission level.

In this regard, stack emission sampling programme was commenced on 19th June 2014 by following officers of the Environmental Division of NBRO.

Staff involved:

Mr. M. Dissanayake	- Scientist	- Air Quality Studies
Mr. W.A. Weerasinghe	- Field Assistant	- Air Quality Studies
Mr. A.S. Premarathna	- Field Assistant	- Air Quality Studies

2. DISCRIPTION OF THE POWER PLANT

Northern Power Company (Pvt) Ltd is located at Chunnakam within a Walikaman South Pradheshiya Sabha area at Jaffna. The total power generating capacity of 30 MW is obtained from generators coupled to six diesel engines with 5.5 MW engine capacities. The power generators are operated by heavy fuel oil, supplied from the local market. Engine emissions are released to the atmosphere by individual stacks, each stack has 6 m height.

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