



सत्यमेव जयते

भारत सरकार

GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र

BHABHA ATOMIC RESEARCH CENTRE

Research Reactor Maintenance Division

Process Instrument Maintenance Section

Trombay, Mumbai - 400 085

Phone: 91 - 22 - 2559 4238

17th March 2021

Sub: Letter of appreciation to M/s Electronet Equipments Pvt Ltd Pune


Ref: W. O.: RRMD / TN-208/ TR – 7 / 47 /2009 dated 21.08.2009 for “Design, Fabrication, Testing & Calibration, Supply, Site Installation, Testing, Commissioning & Guarantee of Electronic Differential Pressure Indicating Switches for Dhruva, BARC”.

This letter of appreciation is being issued to M/s Electronet Equipments Pvt Ltd Pune for timely execution of above mentioned work order. The letter is being issued in response to the request received from them.

The Differential Pressure gauges used for coolant channel flow monitoring system at Dhruva, were facing frequent failures over the years & difficulties were experienced in procuring the spares due to embargo & high cost. It was decided to indigenously develop a customized Electronic Differential Pressure Indicating Switch, which could be retrofitted without modifying the existing mounting arrangement or tubing & cabling. As the instruments were meant for critical application, they were qualified by type tests as per applicable codes and stringent QA procedures were followed. Detailed FMEA of the hardware and exhaustive V&V of the micro-controller software, were also carried out.

M/s Electronet played vital role in hardware design which was finalized based on trials & in-situ testing of prototype units. With in-house expertise available at M/s Electronet, software development and documentation for V&V was also carried out. The company has a complete setup for fabrication, assembly and testing which includes an NABL accredited calibration lab. Specialized tests such as EMI, Seismic, Ingress Protection & Helium Leak checking were also arranged and timely completed. Site installation work requiring skilled manpower was also completed as per schedule complying site safety regulation.

The instruments were installed at site in 2010 and their performance till date has been found to be satisfactory without any significant failure. Post installation support provided by M/s Electronet Equipments Pvt Ltd has also been satisfactory.


प्रशांत आवाले / Prashant Awale
इंजीनियर (पीएमई) / MS (PI)
भारत सरकार / Government of India
अनुसंधान विभाग, भा.प.अ. केंद्र / RRMD, BARC
ट्रॉम्बे, मुंबई / Trombay, Mumbai - 400 085