



GOVERNMENT OF INDIA
MINISTRY OF COMMERCE & INDUSTRY
PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION (PESO)
 (Formerly Department of Explosives)
CGO COMPLEX SEMINARY HILLS
NAGPUR 440006

Letter No: A/P/HQ/MH/104/4539(P378108)

Email :explosives@explosives.gov.in

Phone/Fax No.2510248/2510577

Dated : 11/4/2016

To
 M/s Krohne Messtechnik GmbH
 Ludwig-Krohne-StraBe 5,
 47058 Duisburg
 Germany

11 3 APR 2016

Sub:Approval of Variable - area flow meters, type series DK* ***/**/**/**

Dear Sir(s),

Please refer to letter No CCE/Krohne/DK800/2016 dated 29/02/2016 from M/s Krohne Marshall Pvt. Ltd.,Pune on the above subject.

The following Intrinsically Safe equipment(s) manufactured by you according to EN 60079-0 : 2012 & EN 60079-11 : 2012 standards and covered under PTB, Germany Test reports mentioned below is/are approved for use in **Zone 1** of Gas Group IIC hazardous areas coming under the purview of the Petroleum Rules, 2002 administered by this Organization.

Sr.No	Description	Safety Protection	CCEs Identification Number	Test House	Test Report No.	Drawing Numbers
1	Variable - area flow meters, type series DK* ***/**/**/**	Ex ia IIC T6...T1	P378108/1	PTB, Germany	PTB 05 ATEX 2021 X Dt.17/12/2015	As per test report

This Approval is granted subject to observance of the following conditions:-

- 1). The design and construction of the equipment shall be strictly in accordance with description, condition and drawings as mentioned in the PTB, Germany Test Reports referred to above
- 2). The equipment shall be used only with approved type of accessories and associated apparatus
- 3). The equipment shall be used only in conjunction with the approved Intrinsically Safe barriers
- 4). Each equipment shall be marked either by raised lettering cast integrally or by plate attached to the main structure to indicate conspicuously
 - (a) Name of the manufacturer
 - (b) Name and number by which the equipment is identified
 - (c) Number & Date of the test Report of the PTB, Germany applicable to the equipment
 - (d) CCEs Identification Number of this letter by which use of the apparatus is approved
- 5). A certificate to the effect that the equipment has been manufactured strictly in accordance with


- the drawing referred to in the PTB, Germany test report and is identical with the one tested and certified at PTB, Germany shall be furnished with each equipment
- 6). The customer shall be supplied the copy of this letter, an extract of the conditions and maintenance schedule, if any recommended by PTB, Germany in their test reports and copy of instructions booklet detailing operation and maintenance of the equipment so as to maintain its Intrinsically Safe safety characteristics
 - 7). The After sales service and maintenance of subject equipment shall be looked after by your representative M/s Krohne Marshall Pvt. Ltd., A34/35 MIDC Estate, H Block, Pimpri, Pune, PUNE (Dist.) , Maharashtra (State)

This Approval also covers the permissible variation as approved under the PTB, Germany test report referred above. This approval may be deemed to have been revoked with immediate effect at any time, if any of the conditions subject to which approval has been granted is violated or not complied with. The approval may also be amended or withdrawn at any time, if considered necessary in the interest of safety.

The field performance report from actual users /your customers of the subject equipment may please be collected and furnished to this office for verification and record at regular intervals.

This approval is otherwise valid a period of five years from the date of issue.

Yours faithfully,


(Dr. Yogesh khare)
Controller of Explosives
for Chief Controller of Explosives
Nagpur

Copy to :

1. The Jt. Chief Controller of Explosives, West Circle, Mumbai.
2. M/s Krohne Marshall Pvt. Ltd., A34/35 MIDC Estate, H Block, Pimpri, Pune, Distt. PUNE (Maharashtra), 411018

for Chief Controller of Explosives