



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/  
1586(P217818)

Email :explosives@explosives.gov.in

Phone/Fax No.2510248/2510577

Dated : 14/8/2008

To  
M/s. RAE Systems, Inc  
3775 North First St.,  
San Jose,  
CA 95134  
USA

Sub :Approval of equipments under Petroleum Rules, 2002

Dear Sir(s),

The following equipment(s) manufactured by you and covered under KEMA /DNV /UL International Demko Test reports mentioned below are approved for use in Zone 1 , group IIC hazardous areas coming under the purview of the Petroleum Rules, 2002 administered by this Organization.

Sno	Description	Safety Protection	CCEs Identification Number	Test House	Test Report	Drawing Numbers
1	Personal Multi-sensor Gas Detector, Model PGM 2400 QRAE II	EEx d	P217818/1	KEMA	KEMA 06ATEX0208 Dtd.13/3/2008	
2	Personal Toxic Gas Monitor ToxiRAE 3 model PGM-1700	Ex ia	P217818/2	DNV	DNV-2007-OSL- ATEX-9012X Dtd.30/10/2007	
3	Multiple Gas Detector Model Area RAE Steel Z1	Ex d ib	P217818/5	KEMA	KEMA 07 ATEX0131 Dtd.5/11/2007	
4	Photoionization gas detectors Model PGM-50 followed by -5P,-4P or-4 (Multi RAE Plus)	EEx ia d	P217818/6	UL International Demko	DEMKO 03 ATEX 0308256X Dtd.29/9/2003	
5	QRAE Plus Models PGM 2000, PGM 2020,	EEx ia d	P217818/7	UL International Demko	DEMKO 02ATEX 04201X Dtd.14/3/2002	

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 KEMA /DNV /UL International Demko Test Reports referred to above
- 2 The equipment shall be used only with approved type of accessories and associated apparatus

- 3 Each equipment shall be marked either by raised lettering cast integrally or by plate attached to the main structure to indicate conspicuously
- 1) Name of the manufacturer
  - 2) Name and number by which the equipment is identified
  - 3) Number & Date of the test Report of the KEMA /DNV /UL International Demko applicable to the equipment
  - 4) CCEs Identification Number of this letter by which use of the apparatus is approved
- 4 A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the KEMA /DNV /UL International Demko test report and is identical with the one tested and certified at KEMA /DNV /UL International Demko shall be furnished with each equipment
- 5 The customer shall be supplied the copy of this letter, an extract of the conditions and maintenance schedule, if any recommended by KEMA /DNV /UL International Demko in their test reports and copy of instructions booklet detailing operation and maintenance of the equipment so as to maintain its Flame Proof safety characteristics
- 6 The After sales service and maintenance of subject equipment shall be looked after by your representative M/s. Respo Products,D-595~ Kamla Nagar,,AGRA (Dist.) ,Uttar Pradesh (State)
- This Approval also covers the permissible variation as approved under the KEMA /DNV /UL International Demko 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,



(R.A.GUJAR )

Controller of Explosives  
for Chief Controller of Explosives  
Nagpur

Copy to :

- 1.The Jt. Chief Controller of Explosives, Central Circle, Agra.
- 2.M/s. Respo Products,D-595~ Kamla Nagar,,Agra Uttar Pradesh (State)

for Chief Controller of Explosives