



Government of India  
Ministry of Commerce & Industry  
Petroleum & Explosives Safety Organisation (PESO)  
5th Floor, A-Block, CGO Complex, Seminary Hills,  
Nagpur - 440006

सीड पोस्ट  
SPEED POST

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Dated: 16/05/2018

Approval No : A/P/HQ/GJ/104/5593 (P417521)



18 MAY 2018

To

M/s. Advanced Sys-tek Private Limited,  
Plot No. 299/300,  
G.I.D.C. Makarpura,  
Vadodara,  
District: VADODARA,  
State: Gujarat,  
PIN: 390010

Sub : Approval for Smart Interlock (Types Smart Ground Detector, Dual Channel Smart Ground Detector, Small Arm Interlock, Smart Antispill, Smart Ground Detector-Arm Interlock, Smart Ground Detector-Antispill, Smart antispill-Arm Interlock) under Petroleum Rules, 2002-reg

Sir(s),

Please refer to your letter No. NIL dated 16/03/2018 on the subject.

There would be no objection to your supplying subject manufactured item/equipment by you conforming to according to IS/IEC 60079-0 : 2004, IS/IEC 60079-1 : 2007, IS/IEC 60079-11 : 2006, standards and covered under Certificate No. dtd. The above shall be comprising of following approved type of electrical components as described below, the subject manufactured items is suitable for Zone 1, Zone 2 only:-

Sr.No	Description (Components Description)	Make	Safety Protection	Agency	Certificate No. & Date
1	Smart Interlock	Advanced Systek Pvt. Ltd	Exd [Ia] IIC T6	Karandikar Laboratories Pvt. Ltd	KLPL/Ex/12-057X Date 08/09/2012
2	FLP-WP Smart Interlock Cat No. SIL-6006	Baliga Lighting Equipments Pvt. Ltd.	Exd IIB T6	Central Institute of Mining & Fuel Research, Dhanb	CIMFR/TC/SR/1405 Date 24/01/2012

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 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 permanently 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 Central Institute of Mining & Fuel Research, Dhanb/ Karandikar Laboratories Pvt. Ltd applicable to the equipment
  - (d) Equipment reference number of this letter by which use of apparatus is approved
  - (e) BIS approval number.
  - (f) Protection level.
- 4) A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the Test report and is identical with the one tested and certified at Testing agency shall be furnished with each equipment.
- 5) The customer shall be supplied with a copy of this letter, an extract of the conditions and maintenance schedule, if any, recommended by Central Institute of Mining & Fuel Research, Dhanb/ Karandikar Laboratories Pvt. Ltd. and copy of instructions booklet detailing operation & maintenance of the equipment so as to maintain its safe characteristics
- 6) The IS/IEC 60079-17 and IS/IEC 60079-19 shall be followed for maintenance and repair of overhaul of the subject equipments

Conditions of the Approval -

This approval supersedes Chief Controller of Explosives approval No R1(1)136/ASPL/380-IV dated 19/03/2013

The use of subject assembly of components is permitted for use in gas group II, IIB environments only.

The intrinsically safe circuit is housed in enclosure covered under Chief Controller of Explosives approval No. A/P/HQ/TN/104/5607 (P406193) dated 17/01/2018

This approval also covers the permissible variations as approved under the Central Institute of Mining & Fuel Research, Dhanb/ Karandikar Laboratories Pvt. Ltd test reports referred above. This approval is liable to be cancelled if any of the conditions of the approval 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 on annual basis

The Approval is Valid upto 31/12/2022

Yours faithfully,

(Ninad Dattaram Gawade)  
Dy. Controller of Explosives  
For Chief Controller of Explosives  
Nagpur

Copy to :

1. Jt Chief Controller of Explosives, West Circle, MUMBAI

For Chief Controller of Explosives  
Nagpur

(For more information regarding status fees and other details please visit our website <http://peso.gov.in>)

Note:- Please submit the revalidation application one month before the date of Expiry of approval otherwise approval will be treated as cancelled and a fresh application for approval will be considered for the approval.