



Government of India  
Ministry of Commerce & Industry  
Petroleum & Explosives Safety Organisation (PESO)  
5th Floor, A-Block, CGO Complex, Seminary Hills,  
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Approval No : A/P/HQ/MH/104/8665 (P625562)

Dated : 04/12/2025

To,

M/s. Nihon Koso Co. Ltd,  
KOSO Engineering Division, 51-1, Sasayama, Kitayokota, Sukhagawa-SHI, Fukushima, Fukushima  
962-0313  
JAPAN

Sub : Approval of Electrical Equipment under Petroleum Rules 2002. under Petroleum Rules 2002- Regarding.  
Sir(s),

Please refer to your letter No. OIN2153928 dated 21/11/2025 on the subject.

The following Ex electrical equipment(s) manufactured by you according to IEC 60079-0 : 2017, IEC 60079-11 : 2011, standards and covered under Shanghai Insp. & Testing Institute of Instruments Test reports mentioned below is/are approved for use in Zone 0,Zone 1,Zone 2, of Gas IIA/IIB/IIC hazardous areas coming under the the Petroleum Rules, 2002 administered by this Organization.

Sr. No	Description	Safety Protection	Equipment reference Number	Test Agency			Drawing no
				Name	Certificate No.	Certificate Date	
1	Smart Valve Positioner, Model Reference- KGP2 (1) (2) (3)- (4) (5) (6) (7) - (8), (1) 0-Dust water proof, D-IECEx certification	Ex ia IIC T4/T5 Ga	P625562/1	Shanghai Insp. & Testing Institute of Instruments	IECEx NEP 23.0027X	23/04/2024	As per Test Report
2	Smart Valve Positioner, Model Reference- KGP2 (1) (2) (3)- (4) (5) (6) (7) - (8), (2) 0-Linear motion standard type, 1-Linear motion long stroke type, 2-Rotary motion type, 3-Rotary motion VDI/VDE3845 type	Ex ia IIC T4/T5 Ga	P625562/2	Shanghai Insp. & Testing Institute of Instruments	IECEx NEP 23.0027X	23/04/2024	As per Test Report
3	Smart Valve Positioner, Model Reference- KGP2 (1) (2) (3)- (4) (5) (6) (7) - (8), (3) 0-4~20mA & Without HART & Without Position feedback, 1-4~20mA & Without HART & With Position feedback, 2-4~20mA & With HART & Without Position feedback, 3- 4~20mA & With HART & With Position feedback	Ex ia IIC T4/T5 Ga	P625562/3	Shanghai Insp. & Testing Institute of Instruments	IECEx NEP 23.0027X	23/04/2024	As per Test Report
4	Smart Valve Positioner, Model Reference- KGP2 (1) (2) (3)- (4) (5) (6) (7) - (8), (4) S-Single acting actuator, D-Double acting actuator	Ex ia IIC T4/T5 Ga	P625562/4	Shanghai Insp. & Testing Institute of Instruments	IECEx NEP 23.0027X	23/04/2024	As per Test Report
5	Smart Valve Positioner, Model Reference- KGP2 (1) (2) (3)- (4) (5) (6) (7) - (8) , (5) identifies Pressure gauge block type	Ex ia IIC T4/T5 Ga	P625562/5	Shanghai Insp. & Testing Institute of Instruments	IECEx NEP 23.0027X	23/04/2024	As per Test Report
6	Smart Valve Positioner, Model Reference- KGP2 (1) (2) (3)- (4) (5) (6) (7) - (8) , (6) identifies Pressure gauge range	Ex ia IIC T4/T5 Ga	P625562/6	Shanghai Insp. & Testing Institute of Instruments	IECEx NEP 23.0027X	23/04/2024	As per Test Report
7	Smart Valve Positioner, Model Reference- KGP2 (1) (2) (3)- (4) (5) (6) (7) - (8) , (7) identifies Pressure gauge unit	Ex ia IIC T4/T5 Ga	P625562/7	Shanghai Insp. & Testing Institute of Instruments	IECEx NEP 23.0027X	23/04/2024	As per Test Report
8	Smart Valve Positioner, Model Reference- KGP2 (1) (2) (3)- (4) (5) (6) (7) - (8) , (8) identifies Option	Ex ia IIC T4/T5 Ga	P625562/8	Shanghai Insp. & Testing Institute of Instruments	IECEx NEP 23.0027X	23/04/2024	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 Shanghai Insp. & Testing Institute of Instruments 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 Shanghai Insp. & Testing Institute of Instruments applicable to the equipment.
  - (d) Equipment reference number of this letter by which use of apparatus is approved.
  - (e) Protection level.
- 4) A certificate to the effect that the equipment has been manufactured strictly in accordance with the drawing referred to in the Shanghai Insp. & Testing Institute of Instruments Test report and is identical with the one tested and certified at Shanghai Insp. & Testing Institute of Instruments 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 Shanghai Insp. & Testing Institute of Instruments in their test reports and copy of instructions booklet detailing operation & maintenance of the equipment so as to maintain its Flame Proof characteristics.  
6) The After sales service and maintenance of subject equipment shall be looked after by your representative KOSO INDIA PRIVATE LIMITED, H33, H34, MIDC AMBAD, NASHIK - 422010 , MAHARASHTRA

**Conditions of the Approval:-**

- 1.The specific conditions of use as mentioned in IECEX test report/COC No.IECEX NEP 23.0027X , dated 23/4/2024 shall be communicated to the end user and same to be followed strictly .
- 2.Approval shall be valid till any change in the product standard or change in the design of product and the manufacturer shall obtain subsequent approval for the Ex Electrical Apparatus in case of revision in product standard (other than base standard i.e. 60079-0 : General Requirement) or change in the product design.

This approval also covers the permissible variations as approved under the Shanghai Insp. & Testing Institute of Instruments 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.

Yours faithfully,

(SAUMITRA RAYCHAUDHURI)  
Controller of Explosives  
For Chief Controller of Explosives  
Nagpur

Copy to :  
1. Jt. Chief Controller of Explosives, West Circle, MUMBAI  
2. KOSO INDIA PRIVATE LIMITED,H33, H34, MIDC AMBAD, NASHIK - 422010 , MAHARASHTRA

for Chief Controller of Explosives  
Nagpur

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

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