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TENDER DOCUMENT NO.IGL/ET2/CP/CP18807
Annual rate contract for Supply of tamperproof Wire Seals for PNG Control Rooms in Delhi, NCR and Other GAs

REPLY TO PREBID QUERIES

S.NO	Section	Tender Clause.	Page No.	Description	Bidder Query	IGL Reply
1	V	Scope of Work	-	-	kindly share us image or drawing of wire seal to understand the product.	Kindly refer the attached Annexure-1 for sample images of the wire seal and its specifications.

Annexure-1

INDRAPRASTHA GAS LTD.**SOR****IGL/ET2/CP/CP18807**

SECTION V
SCOPE OF WORK

The scope includes Supply of Wire Seals for City Gas Distribution company in NCT of Delhi, NCR, Haryana, Uttar Pradesh and Rajasthan for a period of two years as per technical specifications.

1.0 TECHNICAL SPECIFICATIONS

The size of the seal shall be 33 x 23 x 5 (+/- 2 mm). Total seal wire length should be of 600 mm.

2.0 APPLICABLE STANDARDS

(a) IS: 4905

(b) Poly Carbonate Plastic Seal

3.0 CLIMATIC CONDITIONS

The Poly Carbonate Plastic Seal shall be suitable for satisfactorily working under the following climatic conditions:
 (a) Max. Ambient Temperature: 60 Deg. C (b) Min. Ambient Temperature: -10 Deg. C
 The Poly Carbonate Plastic Seal shall be suitably designed and treated for normal life and satisfactory operation under the hot and hazardous tropical climate conditions.

4.0 DESIGN AND CONSTRUCTION OF SEAL

4.1 GENERAL CONSTRUCTION: The seal shall be designed for a single use only. The seal shall be damaged, due to its see through property, if tampered with the help of puller, knife or any other sharp instruments. It should also not get damaged on using hot air blower with temperatures up to max ambient temperature specified in climatic conditions. The sign of internal tampering shall be easily detected; it cannot not be reused, once opened. The seal shall be made in such a way that it can be easily locked with the help of finger and thumb pressing and no tools shall be required to close the seal. After inserting the seal wire through hole of female part, the cap of the male part shall be fitted in the female part in such a way that it should not leave any space to avoid insertion of any sharp tools for opening of seal body or the female part in hot or cold condition. The seal shall also have the following features: -

- i) Tamper resistant and reliable
- ii) Environmentally safe, should not contain any lead (pb)
- iii) Withstand long-term exposure to direct sunlight. (UV Resistance)
- iv) No tools required for installation
- v) Transparent and see through body reveals
- vi) Heat resistant
- vii) Seal once locked should not get open or loose in any case.
- viii) The anchor part of seal must be light Green colour. Each packet must be packed with 50 no's seals , 25 seals in 1 lot for easy removal of each seal.

The seal will be anchor type, tamper evident with 3 and above locks. Ultra violet numbering to be clearly visible only by UV light torch i.e. UV readable number inside of the anchor part of seal. The expected life of UV numbering guaranteed for 10 years in any conditions. Thermo engraved (itching type) /Laser Numbering with contrast colour serial no. at two points i.e. unique type numbering on anchor and female part positions. IGL logo will be printed on one side and month/year of supply on other side of seal. Vendor to do proper packaging of seals, so that individual seal to be taken out easily.

4.2 MATERIAL OF PLATIC SEAL: Poly carbonate

4.3 SEAL WIRE: Seal wire should be moulded in seal in such way that it should be connecting male female part of the seal and remaining open wire will be used for sealing. The non corrosive non magnetic SS 304/316 grade, multi strand wire with five or more twisted wires, which can easily insert into the female portion where the diameter of holes shall be 1.00 mm(+ /-0.1) mm.

The seals shall have adequate mechanical strength to withstand a defined pull-out force, resist elongation and maintain integrity. The contractor shall ensure proper packaging for easy handling, supply all necessary certification of compliance with IS:4905 and relevant standards and provide batch/lot identification and warranty details. Any defective or non-compliant seals identified during receipt or use shall be replaced by the contractor at no additional cost.

WIRE SEAL SAMPLE IMAGES



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