

Bid Document

Bid Details	
Bid End Date/Time	27-07-2020 17:00:00
Bid Opening Date/Time	27-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Petroleum And Natural Gas
Department Name	Indian Oil Corporation Limited
Organisation Name	Marketing Division
Office Name	loclmarketingdsomadanpurkhadarbottlingplant
Total Quantity	300000
Item Category	NBR O-ring for self closing valves of LPG cylinders
Bidder Turnover (Last 3 Years)	2 Lakh (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Bidder Turnover *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	Yes
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

NBR O-ring For Self Closing Valves Of LPG Cylinders (300000 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Requirements	Base Polymer (% Nitrile)(as per NBR standard)	39	39
	Hardness IRHD @RT&50%RH (as per ASTM-D1415 standard)	60	60
	Tensile strength @RT&50%RH (Min kg/sq, cm) (as per ASTM-D412 standard)	120	*
	% EB(elongation at Break) Min % @RT&50%RH (as per ASTM-D412 standard)	300	*
	Compression Set 5 RT 24 hrs (max %)(as per ASTM-D395 standard)	10	*
	Compression Set 100 deg 24 hrs (max %)(as per ASTM-D395 standard)	20	*
	Compression Set 100 deg 168 hrs (max %)(as per ASTM-D395 standard)	40	*
Ageing	Hardness change in hardness (Max) IRHD (as per ASTM-D1415 standard)	±10	*
	Tensile strength change Max % @RT&50%RH (as per ASTM-D412 standard)	± 25	*
	% Elongation at break D (as per ASTM-D412 standard)	±40	*
	Comp Set Change (Max %) RT 24 hrs (as per ASTM-D395 standard)	50	*
	Comp Set Change (Max %) 100 deg 24 hrs (as per ASTM-D395 standard)	50	*
Resistance to LPG or Pentane	% Absorbed (Max%)(as per IS 9798/8737 standard)	+10 to -9	*
	% Tot Ext (% min)(as per IS 9798/8737 standard)	+5 to -12	*
	Hardness change IRHD max	+10 to -10	*
	Resistance to Ozone No cracks (as per ASTM-D1149 standard)	No cracks for 72 hrs	*
	Tear Strength	16 Min kg /Sq/cm	*
	Rebound Resilience	40 + /- 10 %	*
	Cold Flexibility TR50	20 Min Deg	*
Packing	Packing	1,000 pieces will be packed in moisture proof plastic bags. 10 such plastic bags containing "O" Rings will be packed in strong cardboard cartons with PVC bands. The packing should be adequate	*

		to withstand handling and transit damage during transportation by Road	
	Packing size	Each pack should contain 1000 numbers of O-rings (Joint Packing for SC Valves). The weight of 1000 numbers O rings packed in a polythene bag shall be between 680 to 720 grams (including the wt of the bag of min 40 microns).	*
Marking	"The containers shall be securely closed and legibly and indelibly marked with the following: a) Description of the material, b) Indication of the source of manufacture, c) Month and year of manufacture, d) Net mass of the material, and e) Lot number in code or otherwise to enable the batch of manufacture to be traced from records"	Yes	*
	Supplier identification ,Cavity Pin Number & Manufacturing year has to be embossed on the inner side of the O-ring samples as per Drawing Provided	Yes	*
Test Report Details	Availability of Test Report from LERC, Bangalore or any NABL accredited lab to prove conformity to specification	Yes	*
	Test Report to be submitted to the Buyer on Demand write NA if Test report is not available	Yes	*
	Vendor should be OITC (Oil Industry Technical Committee) approved as per latest specification	Yes	*
Record & Guarantee	Record Maintenance:	Raw Material receipts and test reports,Rubber Compound - Hardness and Specific gravity record for all batches mixed.,Record of history of Dies (on a daily basis),Department-wise production record,Inspection record for all dispatches (100%),Type tests - Record of values of compound batch nos. tested or certificate of the external testing agency.,Order and dispatch details to Industry locations	*
	Warranty:	Warranty period is Two years from the date of manufacturing for unused O-rings only (Not applicable	*

		for the O rings which are put in use)	
General	manufacturing component	The component should be manufactured as per drawing dated 06.09.2019 out of Nitrile Rubber compound approved by Oil Company	*
	Compliance parameter	The individual batch of compound should be certified for compliance to the formula and proper records are to be maintained. The compliance can be checked by means of any of the following parameters: i) Specific Gravity ii) Hardness iii) Cure Characteristics	*
	Physical properties	The compound should be properly compounded for resistance to LPG, resistance to atmospheric degradation particularly for Ozone, low compression set and optimum physical properties as specified.	*
	Blending	No other polymers should be blended and Non-black fillers like clay, talc or whiting should not be compounded.	*
	Inspection	The compound should be inspected for proper dispersion of the chemicals and contamination with any foreign particles.	*
	Aging time	Sufficient ageing time should be given to the compound before moulding and the compound should be properly identified while storage and should be used before the onset of vulcanization.	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

QR/Spn document	View
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Vini Ranjan	110076,Indian Oil Corporation Limited, Indane Bottling plant, Opposite- kalindi Kunj, Madanpur Khadar, New Delhi-110076,	300000	30

Bid Specific Additional Terms and Conditions

- 1.Scope of supply (Bid price to include all cost components) : Only supply of Goods
- 2.Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---