

Sr.no.Item Code and Description	Unit	Qty	Unit Price (tobe filled) In fig&words
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GROUP: 1

VALVE, SAFETY RELIEF & PARTS  
 BODY /BONNET MATERIAL: A216WCB  
 STEM DISC&NOZZLE : SS316 ST.  
 END CONNECTION: FLANGED, RF  
 SPRING : CHROME STEEL  
 SUPPLEMENTARY REQUIREMENTS : IBR  
 COMPLETE VALVE  
 NVS PRESSURE RATING  
 INCH LBS

0010 8360271034	EA	2.000	.....
	each		

VALVE, SAFETY RELIEF & PARTS  
 BODY /BONNET MATERIAL: A216WCB  
 STEM DISC&NOZZLE : SS316 ST.  
 END CONNECTION: FLANGED, RF  
 SPRING : CHROME STEEL

## ENQUIRY CUM OFFER

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SUPPLEMENTARY REQUIREMENTS : IBR

COMPLETE VALVE

NVS

PRESSURE RATING

INCH

LBS

2X3IN

300X150

**ITEM TEXT**

Pressure Relief Valve for Buffer Vessel

Tag no.: 051A-PSV-0110A/B.

Quantity: 02 Nos (1 working + 1 Standby)

Vendor to follow the below mentioned specifications for design of PSV.

Process Data:

Service Fluid: Oxyrich Air.

Fluid State @ PSV inlet: Gas.

Inlet size: 2"

Inlet flange rating: 300# RF

Outlet size: As per vendor design

Outlet flange rating: 150# RF

Flow through PSV: 200 Kg/hr (Min); 415 Kg/hr (Max)

Operating Temperature: 15 - 20 deg C,

Relieving Temperature: 40 - 80 deg C,

Operating Pressure: 0.1-0.25 Kg/cm2-g,

Set Pressure: 0.5 Kg/cm2-g,

Relieving Pressure: 0.75 Kg/cm2-g,

Back Pressure: Constant

% Over Pressure: 10 %

Basis of Selection: External Fire case

Valve Discharge to: Atmosphere

Gas / Fluid Data:

Gas Composition, %:

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Oxygen (O2): 22-28  
Nitrogen (N2): 78-72  
Cp/Cv Ratio: 1.4

Material of Construction:  
Body material: CS,A216,GR.WCB  
End connection: Flanged  
Disc material: SS,A182,GR.F316  
Bonnet material: CS,A216,GR.WCB  
Stem material: SS,A182,GR.F316  
Nozzle material: SS,A182,GR.F316

IBR: Not applicable

**BREAKUP OF QUANTITY**

Guwahati Refinery	:	2.000EA
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**GROUP: 2**

VALVE, SAFETY RELIEF & PARTS  
BODY MATERIAL: CS,A216,GR.WCB  
END CONNECTION: FLANGED,RF  
DISC MATERIAL: SS,A182,GR.F316  
BONNET MATERIAL: CS,A216,GR.WCB  
STEM MATERIAL: SS,A182,GR.F316  
SPRING MATERIAL: ALLOY STEEL  
NOZZLE MATERIAL: SS,A182,GR.F316  
BELLOW MATERIAL: SS,A182,GR.F316L  
OPERATION: SPRING  
DIMENSION STANDARD CONFORM TO  
DESIGN STANDARD CONFORM TO  
NVS PRESSURE RATING  
INLET OUTLET INLET OUTLET

## ENQUIRY CUM OFFER

Sr.no.	Item Code and Description	Unit	Qty	Unit Price (tobe filled) In fig&words
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inch	inch	lbs	lbs
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0020	8361316074	EA	2.000	.....
		each		

2"	3"	300	150
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**ITEM TEXT**

Pressure Relief Valve for LPG Loading Bay 1 & 2

Tag no.: 09A-PSV-109 & 09A-PSV-109A

Quantity: 02 Nos (1 working for each loading bay)

Vendor to follow the below mentioned specifications for design of PSV

Process Data:

Service Fluid: LPG.

Fluid State @ PSV inlet: Liquid

Inlet size: 2" (To be confirmed by vendor)

Inlet flange rating: 300# RF,

Outlet flange: 3" (To be confirmed by vendor)

Outlet flange rating: 150# RF

Flow through PSV: 33600 Kg/hr

Operating Temperature: 6 to 38 deg C,

Design Temperature: 55 deg C (max) and -27 deg C (min)

Relieving Temperature: 6 to 38 deg C,

Operating Pressure: 14 Kg/cm2-g,

Set Pressure: 23.5 Kg/cm2-g,

Back Pressure: 1.4 Kg/cm2-g,

Allowable Over Pressure: 10 %

Basis of Selection: Blocklet outlet case

Valve Discharge to: Flare header

Density @ flow temp: 550 kg/m3

Viscosity: 0.13 cP

## ENQUIRY CUM OFFER

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Material of Construction:  
 Body material: CS,A216,GR.WCB  
 End connection: Flanged  
 Disc material: SS,A182,GR.F316  
 Bonnet material: CS,A216,GR.WCB  
 Stem material: SS,A182,GR.F316  
 Nozzle material: SS,A182,GR.F316

IBR: Not applicable

### BREAKUP OF QUANTITY

Guwahati Refinery	:	2.000EA
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### GROUP: 3

SAFETY VALVE  
 TYPE : CONVENTIONAL, SPRING LOADED  
 BODY MATERIAL SPECIFICATION : A216 GR WCB  
 END CONNECTION : FLGD, ASNI, RF  
 DISC MATERIAL : SS316 STELLITED  
 BONNET MATERIAL : A216 GR WCB  
 BONNET TYPE/STYLE : OPEN  
 GASKET MATERIAL : GRAPHOIL WITH SS FILLER  
 ACTUATOR TYPE :  
 ACTUATOR ACTION :  
 SUPPLEMENTARY REQUIREMENTS :  
 ADDITIONAL REQUIREMENTS CERTIFICATION  
 NVS PRESSURE  
 INCH LBS

## ENQUIRY CUM OFFER

Sr.no.Item Code and Description	Unit	Qty	Unit Price (tobe filled) In fig&words
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0030 8350170764	EA	2.000	.....
	each		

PSV,FL,RF,A216WCB,1.5X2,300X150,IBR

ITEM TEXT

PPressure Relief Valve for MP Condensate Pot

Tag no.: 03-PSV-2201N A/B.

Quantity: 02 Nos (1 working + 1 Standby)

Vendor to follow the below mentioned specifications for design of PSV

PSV type: Conventional, Open Bonnet

Process Data:

Service Fluid: MP Steam.

Fluid State @ PSV inlet: Gas.

Inlet flange: 1.5" ANSI 300# RF,

Outlet flange: 2" ANSI 150# RF,

Flow through PSV: 252 Kg/hr

Operating Temperature: 200 deg C,

Operating Pressure: 9 Kg/cm2-g,

Set Pressure: 18 Kg/cm2-g,

Relieving Pressure: 21.78 Kg/cm2-g,

Back Pressure: Atm

% Over Pressure: 21 %

Basis of Selection: Fire case

Valve Discharge to: Atmosphere

Gas / Fluid Data:

Mol Wt: 18.0

Compressibility Factor: 0.8789

Cp/Cv Ratio: 1.498

## ENQUIRY CUM OFFER

Sr.no.Item Code and Description	Unit	Qty	Unit Price (tobe filled) In fig&words
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Material of Construction:

Body material: CS,A216,GR.WCB

End connection: Flanged

Disc material: SS,A182,GR.F316

Bonnet material: CS,A216,GR.WCB

Stem material: SS,A182,GR.F316

Nozzle material: SS,A182,GR.F316

Additional Requirement: IBR required.

Valve Discharge to: Atmosphere

### BREAKUP OF QUANTITY

Guwahati Refinery	:	2.000EA
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## ENQUIRY CUM OFFER

Date:03.10.2018

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Important:

1. You are requested to fill this format in all respects and forward us **Sealed cover so as to reach us on the due date .This tender will be opened at 15 Hrs. IST on the due date. Enquiry No.& Due date must be SUPERSCRIBED on the envelope to avoid any outright rejection.**

2. Please see our terms and conditions and mention deviation ,if any, seperately.

3. Confirm whether the tenderer is a relative of any Director of IOCL or the tenderer is a firm in which Director(s) of IOCL or his relative is a partner or tenderer is a company in which any Director, or his relative is a member or Director.(If desired, List of IOCL Directors can be referred in IOCL Website)(YES/NO)

**(If YES, details are to be furnished.)**

**4.Vendors are required to fill up details of Terms and Conditions and Taxes in the format attached as last page.**

5.The tenderers should respond to the tender either by submitting their bid or by explaining the reason for non-submission of the offer.In case, there is no response either way continuously for three times, names of such tenderers may be removed from the vendor list.

6.If the bidder is registered with NSIC under Ministry of Micro, Small and Medium enterprises, then, the bidder shall enclose the copy of the recent valid NSIC certificate without fail. The details of the same are to be mentioned in this page.

**Yours faithfully,  
For and on behalf of**

INDIAN OIL CORPORATION LTD.  
(Authorised Signatory)

## ENQUIRY CUM OFFER

Date:03.10.2018

Enq.Due on:26.10.2018 15:00hrs IST

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### Format for Details of Terms & conditions to be Filled By Vendor

Offer Ref. .... Date .....  
GST Registration Number: .....  
GST Classification: .....  
NSIC Registration No for Micro/Small Scale Enterprises: .....  
Telephone No. .... Price basis: .....  
Fax No. .... Free Delivery at- .....  
Email ..... F.O.R/EX-WORKS:.....  
Delivery Days .....  
Offer Valid Till .....  
Payment Terms .....

**NOTE:-** 1. VENDOR TO INDICATE THE FOLLOWING CHARGES (IN PERCENTAGE OF QUOTED BASIC PRICE) AS **EXTRA OR INCLUSIVE (Please tick the appropriate box)**.

2. If charges are mentioned but 'Extra' or 'Inclusive' is not **indicated** , then it will be considered as Extra. If no rates are provided, then it will be considered as Inclusive in quoted basic price unless otherwise specified elsewhere.

3. If invoice shall be provided by any other GST registration number please provide the address and GST registration number

	Inclusive	Extra
a.GST		
(i) IGST.....	[ ]	[ ]
(ii) CGST.....	[ ]	[ ]
(iii) SGST.....	[ ]	[ ]
(iii) UTGST.....	[ ]	[ ]
(iv) CESS.....	[ ]	[ ]
b. Packing & Forwarding .....	[ ]	[ ]
c. Inspection charge including Third party if asked in Tender.....	[ ]	[ ]
d. Freight upto IOCL destination .....	[ ]	[ ]
e. Transit Insurance upto IOCL destination.....	[ ]	[ ]
f. Discount On quoted basic unit price.....		
g. (i) Price gouted are as per DGS&D rate contract(Yes/No)		
(ii) If yes Contract ref.....		