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**OIL & GAS DEVELOPMENT COMPANY LIMITED**  
**PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD**  
**SCHEDULE OF REQUIREMENT**

Material : **CONTROL VALVE**

**Due Date:**

Tender Enquiry No: **PROC-LD/P&P/17627/19**

Bid Bond Value : 220000

EVALUATION WILL BE CARRIED OUT ON FULL

Attachment(if any) : YES

Sr No	Description	Quantity	Make/Brand offered	Unit	Unit Price (PKR) Inclusive Of All Taxes Except GST	Unit Price (PKR) Inclusive of GST	Total Price (PKR) Inclusive of GST	Delivery Period Offered	deviation from Tender Spec. If Any
1	Level Transmitter controller (Electronic Unit Fisher DLC 3010 ) As per specification attached	2		Number					
2	Pressure Control Valve (With Smart Positioner),as per Data sheet attached.	1		Number					

**Special Note:** The prospective bidders also download the master set of Tender Document

- The prospective bidders may keep in touch with OGDCL web site for downloading the clarifications/amendments (if any) issued by OGDCL.
- DELIVERY TIME: 60 DAYS AFTER ISSUANCE OF LPO, DELIVERY LOCATION: KHADEJI BASE STORE, PAYMENT TERM: 100% AFTER DELIVERY

Discount (if any) shall only be entertained on Schedule of Requirement of Bidding Document (Financial Proposal). If the discount is mentioned elsewhere in the bid, the same shall not be entertained.



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**SCHEDULE OF REQUIREMENT**

**Mandatory Checklist**

Please confirm the compliance of the following mandatory information along with the bid(s) (failing which bids(s) will not be accepted)

Documents	To be Attached with the Technical/Financial Bids	Compliance	
		Yes <input type="checkbox"/>	No <input type="checkbox"/>
Original Bid Bond	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of NTN Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of GST Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Confirmation that the Firm is appearing on FBR's Active Taxpayer List	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-A (Un-priced)</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-B</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-D</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-L</b> on Company's Letterhead	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-M</b> on Company's Letterhead	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-N</b> on Non-Judicial Stamp Paper duly attested by Notary Public	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-A (Priced)</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-C</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-E</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>



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**OIL & GAS DEVELOPMENT COMPANY LIMITED**  
**PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD**  
**SCHEDULE OF REQUIREMENT**

For the Vendors/Contractors who opt to submit Bank Draft/Call Deposit/Pay order against Bid Bond/Performance Bond, our Accounts Department has finalized an arrangement for online payment to such Vendors/Contractors, which will be processed through (IBFT & LFT) for which following information is required:

i.	IBAN No. (International Bank Account Number 24 Digits)	
ii.	Vendor Name as per Title of their Bank Account	
iii.	Contact No.of Company's CEO/ Owner (Mobile & Landline)	
iv.	Bank Name.	
v.	Bank Branch Name and Code	

Name, Sign and Stamp of the authorized official of the Bidder(s) \_\_\_\_\_

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# Product Specification

Customer: OIL AND GAS DEVELOPMENT CO LTD

Customer Reference: Pressure Control Valve

Rev: Qty: 1

Lead Time:  
Rev: A

Part No: LCW-101

Description: DLC3010 DLC3000 Mtg

Device Description:

Controller:

Control: Direct

Approval Agency: IECEx/ATEX/LCIE

Approval: Intrinsic Safe/Flameproof/Type N/Dust

Factory Calibration: No

Thread Connection: 1/2 NPT

Seal Gland: None

Thread/Air Port Plastic Plugs: No

Field Mounting Parts:

Field Sensor Type: Fisher 249 Series

Isolator: Yes

Mounting Type: DLC3000 Series

Signature Series Testing: No

Protocol: HART

Output Signal: 4 to 20 mA dc

Include Note with Order: Not App

Type: DLC3010

Supplemental Attribute: Not App

World Area Selections: North America

Mounting Method: Integral

Supplemental Attribute: Not App



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**OIL & GAS  
DEVELOPMENT  
COMPANY LIMITED**

Rev	Date	Description	Initial	Initial	Initial	Signature
			Prepared by	Checked by	Approved By	
2	19-Jan-19	Re-Issued For Review	SOH	BA	AJ	
1	11-Dec-18	Re-Issued For Review	SOH	BA	AJ	
0	29-11-18	Issued For Review	SOH	BA	AJ	





**PETROCHEMICAL ENGINEERING CONSULTANT**  
 C-2, BLOCK NO. 17, GULSHAN-E-IQBAL  
 NEAR NATIONAL STADIUM KARACHI-75300, PAKISTAN  
 TEL: +92 21 34961088 & 34827780.  
 FAX : +92 21 34961089  
 E-MAIL: contact@pcec.com.pk WEBSITE : www.pcec.com.pk

**TIE-IN OF BITRISM AND GUNDANWARI AT SINJHORO PLANT**

TITLE	PROCESS / MECHANICAL DATASHEET FOR PRESSURE CONTROL VALVE (PCV-102)				
PREPARED	CHECKED	APPROVED	REV		
SOH	BA	AJ	2		

*[Handwritten signature]*

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		TIE-IN OF BITRISM AND GUNDANWARI AT SINJHORO PLANT						
Oil & Gas Development Company Limited		DOCUMENT TITLE		Data Sheet For Pressure Control Valve				
CLIENT		DOCUMENT NO.		2738-PRO-DS-001		Revision-2		
						Petrochemical Engineering Consultants CONSULTANT		
GENERAL	1	Tag Number		PCV-102				
	2	Service / Location		Inlet Separator				
	3	Line Size		4-inch (1500#)				
	4	Area Classification		Zone IIB				
	5	Ambient Temperature	Min.	Max.	32	°F	130	°F
	6	Allowable Sound Pressure Level	dBA		85 @ 1 m from the Valve			
	7	Tightness Requirements		ANSI V with metal seat				
	8	Available gas supply press.	Min.	Max.	500	psi-g	2000	psi-g
	9	Fail Safe Position		Open				
	10	P&ID Drawing Number		2738-PID-001				
PIPE LINE	11	Line Size and Schedule	Inlet	Outlet	4-inch / 80 Schedule		4-inch / 80 Schedule	
	12	Pipe Material		CS				
	13	Pipe Insulation		None				
PROCESS CONDITION	14	Process Fluid		Gas				
	15	Upstream Condition		Gas				
	16	Differential Pressure for Actuator Sizing		2000		psi		
	17	Flow	MMScfd		CASE-1	CASE-2	CASE-3	
	18	Inlet Pressure	psig		2000	1100	500	
	19	Outlet Pressure (NOTE - 9)	psig		25			
	20	Inlet Temperature	°F		130			
	21	Molecular Mass	MW		22.1			
	22	Inlet gas Compressibility factor			0.8792			
	23	Inlet Viscosity	cP		0.01502			
	24	Inlet gas Specific heat ratio			1.515			
CALCULATED RESULTS	25	Inlet vapor pressure		psia				
	26	Flow Co-efficient Cv			VTS			
	27	Travel	%		VTS			
28	Sound Pressure Level	dBA		VTS				
BODY AND TRIM	29	MFR	Model	-	-	VTS		
	30	Body Type		Globe				
	31	Body Size	Trim Size	VTS	VTS			
	32	Rated Cv	Characteristic	VTS	Linear			
	33	End Connection & Rating		RF 1500#				
	34	Body Material		A216 Gr. WCB				
	35	Bonnet Type	Material	Standard	A216 Gr. B			
	36	Flow Direction		VTS				
	37	Lubricator	Isolat. Valve	No	No			
	38	Guiding	No. of Ports	VTS	VTS			
	39	Trim Type		VTS				
	40	Rate Travel		VTS				
	41	Plug/Ball/Disk Material		SS				
	42	Seat Material		SS				
	43	Cage	Stem Mater.	VTS	VTS			
	44	Gasket Material		316SS Sp. Wound				
	45	NACE MR01-75		N/A				
46								
47								
ACTUATOR	48	MFR	Model	-	-	VTS		
	49	Type		Diaphragm Operated				
	50	Size	Area	VTS	VTS			
	51	Fail Safe Position		Open				
	52	Handwheel Location		Required, Side mounted				
	53	Bench Range		VTS				
	54	Stroke Time Sec's		VTS				
	55							
	56	MFR	Model	-	-	VTS		
	57	Signal	Inlet	Outlet	3-15 Psig			
	58	Increase Signal Valve		VTS				
59	Cam Characteristic		VTS					
60	Bypass	Gauges		N/R	YES			
61	Smart E/P Type		N/R					
62	Certification / IP Rating		N/R					
63	MFR	Model	-	-	VTS			
64	Type		N/R					
65	When De-energizes		N/R					
66	Certification / IP Rating / Voltage		N/R					
67	MFR	Model	-	-	VTS			
68	Type		N/R					
69	Tag Open		N/R					
70	Tag Close		N/R					
71	Certification / IP Rating / Voltage		N/R					
72	MFR	Model	-	-	VTS			
73	Set Pressure		VTS					
74	Filler	Gauges		Required	Required			
75	HydroPressure		ASME/IEC/BS6755 Pt. 1					
76	Leakage		ANSI B16. 104					
77	Manufacturer		Fisher/Flowserve/Masonellan or equivalent					
78	Model							
79	Purchase Order Number							
80	Price	Item Number						
81	Serial Number							

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**NOTES :**

- VTS: vendor to Specify
- Bolting Material SS304.
- Control valve to be supplied with stainless steel wire and tag with stamping of tag no. (PCV-102) in 5mm lettering.
- Vendor to select best suitable and Guarantee compatibility of proposed/ selected material of construction for subject service.
- Material Testing certificate shall be part of scope of supply.
- At full opening, PCV shall have minimum possible pressure drop.
- Corrosion proof painting to be considered.
- Complete Control system as per attached P&ID to be offered complete in all respect including Control valve, electronic controller, interconnecting tubing etc.

MAZHER ABBAS  
 Dy. Chief Engineer (Inst.)-CA  
 Process & Rights Deptt. O.G.D.C.I  
 Ext: 2367

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**TIE-IN OF BITRISM AND GUNDANWARI AT SINJHORO PLANT**



Oil & Gas Development Company Limited

DOCUMENT TITLE

Data Sheet For Pressure Control Valve

Petrochemical  
Engineering  
Consultants

DOCUMENT NO.

2738-PRO-DS-001

Revision-2

CONSULTANT

CLIENT

	1	COMPONENTS	DESIGN
	2	Methane	74.03
	3	Ethane	11.09
	4	Propane	4.67
	5	i-Butane	0.44
	6	n-Butane	0.77
	7	i-Pentane	0.10
	8	n-Pentane	0.07
	9	n-Hexane	0.40
	10	n-Heptane +	1.71
	11	Nitrogen	3.60
	12	Carbon dioxide	3.12
	13		
	14		
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NOTES :


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	<b>Client:</b> OGDCL <b>Project No.</b> 2738 <b>Project:</b> TIE-IN OF BITRISM AND GUNDANWARI AT SINJHORO PLANT <b>PROCESS / MECHANICAL DATASHEET FOR RESTRICTION ORIFICE (RO-101)</b>	
<b>Document No.</b> 2738-PRO-DS-002		<b>Sheet 2 of 2</b>

<b>APPLICABLE TO :</b> FOR SITE SERVICE MANUFACTURER	<input type="checkbox"/> PROPOSAL <input checked="" type="checkbox"/> PURCHASE <input type="checkbox"/> AS BUILT O.G.D.C.L. Sinjhora Hydrocarbon -	UNIT NO. REQUIRED MODEL SERIAL NO.	Inlet Separator 1 - -
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<b>FLUID DATA</b>	1	Tag Number	RO-101		
	2	Service	Diff. Pressure RO		
	3	Line Size	2-inch		
	4	Fluid State	Gas		
	5	Normal Flow	MMSCFD	6.9	
	6	Inlet Pressure	PSIG	1140	
	8	Outlet Pressure	PSIG	25	
	9	Temperature	°F	130	
	10	Specific Gravity	0.762		
	11	Comp. Factor Z (at Normal Pressure)	0.8135		
	12	CP/CV	1.556		
	13	Op. Viscosity Up Stream	cP	0.01507	
	14	Base Press (psia)	Base Temp °F	14.7	60
	15	Design Pressure	PSIG	1300 @ 180 °F	
	<b>METER</b>	16	Type of meter	Not required	
17		Diff. Pressure	Not required		
18		Static Press. Range	Not required		
19		Calibration Units	Not required		
20		Beta = d/D	0.2483		
21		Orifice Bore Diameter	0.482"		
22		Line I.D	1.939"		
23		Flange Rating	600#		
24		Vent or Drain Hole	Not required		
25		Plate Thickness	Note-1		
26		Pipe Schedule	80		
27		Concentric/Other	Cocentric		
28		Sq. Edged / Other	Sq. Edge		
29		Flange Taps / Other	Not required		
30		Flange R.F / Other	Not required		
31		Flange Type W.N/ Other	Not required		
32		Material	UNS S31803		
33		Calc. Seller / Other	Seller		
34		Item no.			

**NOTES :**

1	Thickness calculation to be in accordance with BS 1042 PT 1.5
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JW