



Replies to Bidder's Queries



SUBJECT: Supply, Installation, Testing, Commissioning & Comprehensive Annual Maintenance of Check Metering & Filtration Skids with Turbine Flow Meter in Vadodra (GA).

TENDER NO.: VGL/CO/C&P-CNG/REPL/MRS/BD202409P167/001/2024 Dated 28/12/2024 & **TENDER ID:** 141873.

Sl. No.	Page No.	Clause No.	Subject	Bidder's Queries	Replies
1	77 of 138	Special Conditions of Contract	Delivery Schedule 04 Weeks From the issuance of LOA.	Check Metering primary products are Turbine meter, Valves and Instruments, which delivery period with TFM wet gas calibration required minimum 14 weeks. We Request VGL to accept the Delivery Period of 22-24 weeks.	Ok Noted: The Delivery Schedule shall be 14-16 Weeks From the issuance of LOA.
1	135 of 135	STANDARD DRAWINGS	P&ID for Check Metering Skid	PSV is not mentioned in the given P&ID, kindly confirm PSV is Required or not.	Confirmed the inclusion of PSV in place of CRV. Refer P&ID as attached with this reply
2	135 of 135	STANDARD DRAWINGS	P&ID for Check Metering Skid (Vent)	In the given P&ID, Vent is not provided in the Filter, kindly confirm that Vent is required or not in the Filter.	Confirmed the inclusion of Vent for Filter Refer P&ID as attached with this reply
3	135 of 135	STANDARD DRAWINGS	P&ID for Check Metering Skid (CRV)	We recommend VGL to remove CRV before NRV, as it is not required. Kindly Confirm.	Confirmed, CRV removed before NRV. Refer P&ID as attached with this reply
4	135 of 135	STANDARD DRAWINGS	P&ID for Check Metering Skid (Ball Valve)	We recommend VGL that in the Meter Bypass, Ball Valve-209 is not required, we request to Remove the Ball Valve. Kindly Confirm.	Ball Valve -209 is required for maintenance of GV-201.
5	135 of 135	STANDARD DRAWINGS	P&ID for Check Metering Skid	We understand that, PG & DPG, the size of the Valve will be, 1/2# 800#.	Confirm size of Valve 1/2" x 800# for PG & DPG



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				Kindly Confirm.	
6	135 of 135	STANDARD DRAWINGS	P&ID for Check Metering Skid	We understand that, drain valve, the size of the Valve will be, 1" 800#. Kindly Confirm.	Confirm size of Valve 1" x 800# for Drain valve.
7	135 of 135	STANDARD DRAWINGS	P&ID for Check Metering Skid	Kindly confirm velocity to be considered before and after filtration. Kindly Confirm.	Design and Engineering is in the scope of Bidder; Hence, Tender condition prevail.
8	135 of 135	STANDARD DRAWINGS	P&ID for Check Metering Skid	According to our standard sizing of 20m/s before filter and 30m/s after filter, line size is coming out to be 8 "at inlet and 6 "at outlet. Kindly Confirm.	Design and Engineering is in the scope of Bidder; Hence, Tender condition prevail.
9	82 of 135	RECOMMENDED VENDOR LIST	Approved Vendor List - Cartridge Filter	We request VGL to accept Inel Gas Controls Pvt Ltd make Filter. We can submit PTR for same. Kindly Confirm	Tender condition Prevail
10	79 of 135	RECOMMENDED VENDOR LIST	Approved Vendor List - Globe Valves	We request VGL to accept Petro valves Ahmedabad make Globe valves. We can submit PTR for same. Kindly Confirm	Refer Vendor List as attached with this reply
11	80 of 135	RECOMMENDED VENDOR LIST	Approved Vendor List - Check Valves	We request VGL to accept Petro Valves Ahmedabad & Hawa Engineer, make Check valves. We can submit PTR for same. Kindly Confirm	Refer Vendor List as attached with this reply
12	78 of 135	RECOMMENDED VENDOR LIST	Approved Vendor List - Ball Valves/Globe Valves/Check Valves	We request VGL to accept Shiv Shakti Valves Ahmedabad make valves. We can submit PTR for same. Kindly Confirm	Refer Vendor List as attached with this reply
13	92 of 135	RECOMMENDED VENDOR LIST	Approved Vendor List - Turbine Flow Meter	We request VGL to accept Vemtecc make Turbine Flow Meter. We can submit PTR for same. Kindly Confirm	Tender condition Prevail
14	120 of 135	QUALITY ASSURANCE PLAN	Internal Test/Witness Test	We Request to please accept the Review only in TPIA for PT calibration as witness of calibration will not be	Tender condition Prevail



Replies to Bidder's Queries



		PRESSURE, LEVEL, DIFF. PRESSURE TRANSMITTER		possible. Kindly confirm	
15	120 of 135	QUALITY ASSURANCE PLAN PRESSURE, LEVEL, DIFF. PRESSURE TRANSMITTER	Internal Test/Witness Test	We understand that over range protection for PT – review only is acceptable. Kindly Confirm.	Tender condition Prevail
16	121 of 135	QUALITY ASSURANCE PLAN FOR PRESSURE GAUGE	Raw Material	We Request to please accept the Review in TPIA for PG fort the Point, (a)Dimensions & (b)Chemical Analysis as witness of calibration will not be possible. Kindly confirm	Confirmed
17	121 of 135	QUALITY ASSURANCE PLAN FOR PRESSURE GAUGE	Routine Test	We Request to please accept the Review in TPIA for PG fort the Point, Accuracy Hystresis Repeatability & Over range protection as witness of calibration will not be possible. Kindly confirm	Tender condition Prevail
18	123 of 135	QUALITY ASSURANCE PLAN SKID FABRICAITON	6.2 Site Acceptance Test	We Request to please accept the Review in TPIA for Site Acceptance Test as witness of calibration will not be possible. Kindly confirm	Tender condition Prevail
19	125 of 135	QUALITY CONTROL TABLE GLOBE VALVES	3.6 Helium Leak Test (duration minimum 30 min)	We Request to please accept the Review in TPIA for Helium Leak Test as witness of calibration will not be possible. Kindly confirm	Tender condition Prevail
20	126 of 135	QUALITY CONTROL TABLE	2.2 Heat treatment (Loading & Unloading shall be witnessed by	We Request to please accept the Review in TPIA for Heat treatment Test as witness of calibration will not be	Tender condition Prevail



Replies to Bidder's Queries



		FITTINGS (2. FABRICATION & TESTS)	TPIA, Power failure log shall be maintained)	possible. Kindly confirm	
21	126 of 135	QUALITY CONTROL TABLE FITTINGS (3.NON DESTRUCTIVE EXAMINATIONS (NDE))	3.1 Radiographic examination	We Request to please accept the Review in TPIA for Radiographic examination Test as witness of calibration will not be possible. Kindly confirm	Tender condition Prevail
22	127 of 135	QUALITY CONTROL TABLE FLANGES (2. FABRICATION & TESTS)	2.2 Heat treatment (Loading & Unloading shall be witnessed by TPIA, Power failure log shall be maintained)	We Request to please accept the Review in TPIA for Heat treatment Test as witness of calibration will not be possible. Kindly confirm	Tender condition Prevail
23	127 of 135	QUALITY CONTROL TABLE FLANGES (3.NON DESTRUCTIVE EXAMINATIONS (NDE))	3.1 Radiographic examination	We Request to please accept the Review in TPIA for Radiographic examination Test as witness of calibration will not be possible. Kindly confirm	Tender condition Prevail
24	108 of 135	Data Sheet (VBA-1C1)	Manual Ball Valve Data Sheet	We understand that according to PNGRB guidelines upto 3" floating type valve is accepted and for 4" and above Trunion mounted type is acceptable. Kindly confirm	Refer Data Sheet as attached with this reply
25	108 of 135	Data Sheet (VBA-1C1)	Manual Ball Valve Data Sheet	We understand that 100 % radiography is required for castings of valves. kindly confirm	Confirm 100% radiography is required.

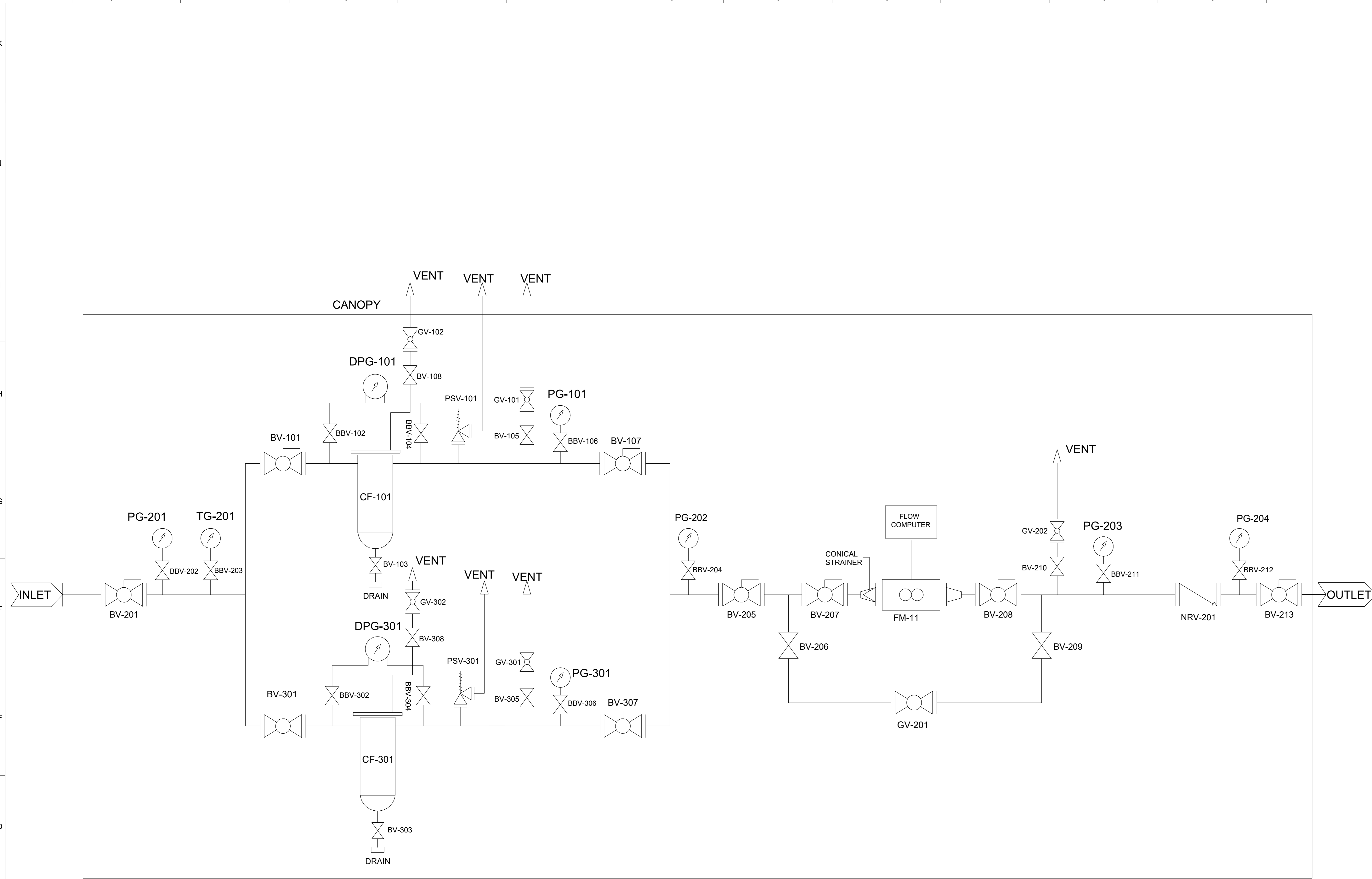


Replies to Bidder's Queries



26	96 of 135	Data Sheet	Flow Computer Data Sheet	Kindly confirm HF pulsar is accepted at Index head or meter body.	HF pulsar is accepted at Index head, Corrigendum will be issue for same
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Note: This Replies to Bidder's Queries as uploaded on n-Procure & VGL's Website. Please upload the same duly Sign and Seal with Techno-Commercial Bid as this is an Integral Part of the Tender.




NOTE: P&ID SHOWN IS TENTATIVE. HOWEVER, BIDDER HAS TO DO THE SIZING & ENSURE ENGINEERING AS PER GUIDELINES.


LEGENDS:-

- PG- PRESSURE GAUGE
- CRV- CREEP RELIEF VALVE
- BV - BALL VALVE
- GV - GLOBE VALVE
- TG- TEMPERATURE GAUGE
- CF- CARTRIDGE FILTER
- BBV- BLOCK & BLEED VALVE
- NRV- NON RETURN VALVE
- FM- FLOW METER
- FC- FLOW COMPUTER

Rev.	D	M	Y	Modifications	Drawn	Checked	Approved	Validated
2	13.01.2025			ISSUED FOR BID	FM	VS	GSJ	
1	06.05.2024			ISSUED FOR BID	AS	VS	GSJ	
0	03.05.2024			ISSUED FOR BID	AS	VS	GSJ	-

PROJECT:  AMALIYARA CGS, VGL VADODARA

SUBJECT: P&ID FOR FILTRATION & METERING SKID

 Resonance Energy Pvt. Ltd. REPL/CGD/STD/P&ID-F&M	Size	Scale	Sheet	Rev.
	A1	NTS	1 of 1	2

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
MECHANICAL		
STATION PIPE		
1	Maharashtra Seamless Ltd.	106, Nilgiri Appt., 9, Barakhamba Road, New Delhi 110 001
2	Indian Seamless Metal Tubes	Eden Park, C-Wing, Off Pune - Nagar Road, Viman Nagar, Pune - 411 014
3	DYLAN Belgium	Lerenveld 20 2547 Unity, Belgium
4	F.B.F. Belgium	Dynamicalaan 4-8, 2610 Antwerpen, Belgium.
5	Ferrostaal (MAN Group), Germany	Hohenzollernstrasse 24, 45128 Essen, Germany
6	INTERFORGE	Grobe Strabe 14, D-27356 Rotenburg, Germany
7	KURVERS Piping, Neitherlands	Mark S. Clarkelaan 13 a Haven No. M 512 4761 RK Zevenbergen \ THE NETHERLANDS
8	MEREK Engineering	Premier estate Leys Road Brockmoor Brierley Hill, DY5 3UT West Midlands, UNITED KINGDOM
9	TelOCEENNE, Belgium	Ten Bergstraat 4 2830 Willebroek BELGIUM
10	VAN LEEUWEN BUIZEN	Schaarbeeklei 189 1800 Vilvoorde BELGIUM
11	Jindal Pipes Limited	
BALL VALVES		
1	COOPER CAMERON VALVES	NO.2, Gul Circle, Jurong Industrial Estate, Singapore-629560 A-1/14-3, Millenium Tower, Sector 9, Sanpada, Navi Mumbai 400705 Level 33, menara Maxis, Kuala Lumpur City Centre, 50088 Kuala Lumpur, Malavsia
2	MSA	Hlucinska, 41747 22 Dolni Benesov CZECH REPUBLIC
3	RMA Maschinen- und Armaturenba Faulhaber & Truttenbach	RMA Maschinen & Apparatebau Faulhaber & Truttenbach KG OSTSTR. 17, 77694 KEHL / GERMANY
4	SCHUCK ARMATUREN (ex BORSIG)	FRANZ SCHUCK GMBH DAIMLERSTRABE 4-7 89555 STEINHEIM, GERMANY

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
5	TORMENE GAS TECHNOLOGY - (VALVITALIA)	Via Campolongo, 97 35020 Due Carrare PD, Italy
6	Breda Energia Spa	Viale Sarca 336, 20126 Milano, Italy
7	TRP (Perar), srl, Italy	Via Grigna,37 20027 Rescaldina (MI) - Italy
8	Grove dresser Italia, Italy	23018 TALAMONA (SO) VIA ROMA 32, ITALY
9	Microfinish Valves	Microfinish Group of Companies B 161-162, Industrial Estate, Gokul Road, Hubli - 580 030, Karnataka, India
10	Virgo Valves	
11	L & T Limited (Audco India Ltd.)	Larsen & Toubro Limited Valves Business Group 10 Club House Road, Anna Salai, Chennai - 600 002, India
12	Flow Chem	Flowchem Industries 10, Navdurga Industries Estate, Opp. Forge & Blower Co., Naroda Road, Ahmedabad - 380 025, Gujarat - India
13	Hawa Valves India Pvt. Ltd.	89, 2nd stage, Tarihal Industrial Estate, Tarihal, Hubli - 580 026.
14	Oswal Industries Ltd	Oswal Valves Pvt. Ltd 1-A, Patel Industrial Estate, Navpada Road, Oshiwara, Jogeshwari (W), Mumbai - 400102
15	Petro Valves	Corporate Office & Unit-Ii:-Survey No.1144, Opp. Gharda Ghar, Indore Highway, Kuha, Ahmedabad-382433, Gujarat, India
16	Shiv Shakti Valves	Plot No.16, Stargold Industrial Park, Opp-Gharda Ghar Aashram, Indor-Ahmedabad Highway Kuha Gaam Dist-Ahmedabad-382433 Gujarat India
GAS OVER OIL ACTUATORS		
1	M/s BIFI	Italy
2	M/s Rotork fluid Sytem	Italy
3	PC Intertecnik	Germany
4	M/s Bettis	Belgium
GLOBE VALVES		
1	NECO Valves	NSSL Limited F-8, M.I.D.C Industrial Area, Hingna Road, NAGPUR - 440 016 INDIA
2	Oswal Industries	Oswal Valves Pvt. Ltd 1-A, Patel Industrial Estate, Navpada Road, Oshiwara, Jogeshwari (W), Mumbai - 400102

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
3	L & T Limited (Audco India Ltd.)	Larsen & Toubro Limited Valves Business Group 10 Club House Road, Anna Salai, Chennai - 600 002, India
4	Panchvati Valves & Flanges Pvt. Ltd.	Panchwati Valves & Flanges Pvt. Ltd. Shop No. 5, Ground Floor, Sejal- Kajal Apartments, Ram Mandir Road, Goregaon (W), Mumbai - 400104
5	Leader Valves Ltd.	LEADER VALVES LTD. S-3, S-4, Industrial Town, Jalandhar - 144 004
6	Galperti Engineering & Flow control spa	Zona Industriale-23823 Colico (LC), Italy
7	Douglas Chero SPA	Loc Pradaglie, 29013 Carpeno, Piacentino, Italy
8	Niton Valves Industries Ltd.	D-115/116 Ghatkopar Industrial Estate, L.B.S. Marg, Ghatkopar(West), Mumbai-400086
9	Shalimar	Plot NO. R-846/1, MIDC, TTC Industrial Area, Rabale Dist.-Thane, Navi Mumbai - 400 701
10	Hawa Valves India Pvt. Ltd.	89, 2nd stage, Tarihal Industrial Estate, Tarihal, Hubli - 580 026.
11	B.D.K Engineering Ltd., Hubli	B.D.K. Engineering (I) Ltd. Gokul road Hubli 580 030
12	Petro Valves	Corporate Office & Unit-Ii:-Survey No.1144, Opp. Gharda Ghar, Indore Highway, Kuha, Ahmedabad-382433, Gujarat, India
13	Shiv Shakti Valves	Plot No.16, Stargold Industrial Park, Opp-Gharda Ghar Aashram, Indor-Ahmedabad Highway, Kuha Gaam, Dist-Ahmedabad-382433, Gujarat, India.
CHECK VALVES		
1	Econo Valves Pvt. Ltd.	197 SIDCO Industrial Area Ambattur CHENNAI - 600 098
2	L&T Audco Valves	Chennai
3	Steel Strong Valves (P) Ltd.	Plot no. R-241, TTC Industrial Area MIDC,Rabale, New Bombay-400 701
4	Oswal Industries Ltd	Oswal Industries Limited 404, Sakar-III Opp. Old High Court Ahmedabad – 390 014
5	B.D.K Engineering Ltd., Hubli	B.D.K. Engineering (I) Ltd. Gokul road Hubli 580 030
6	Flow Chem Industries	Flow Chem Industries 10, Navdurga Indl. Estate Opp. Forge Blower Naroda Road Ahmedabad – 25

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
7	NECO Schubert & Salzer Ltd.	Nagpur
8	Leader Valves Ltd.	S-3&4, Industrial Town, Jalandhar 144 004
9	Niton Valve Industries Pvt. Ltd.	D-115/116 Ghatkopar Industrial Estate L.B.S. Marg Ghatkopar (West) MUMBAI - 400 086
10	Petro Valves	Corporate Office & Unit-Ii:-Survey No.1144, Opp. Gharda Ghar, Indore Highway, Kuha, Ahmedabad-382433, Gujarat, India
11	Hawa Engineering	Plot No: 129,B/h. Kashiram Textile Mill, Narol Road, Ahmedabad – 382405, (Gujarat) India.
12	Shiv Shakti Valves	Plot No.16, Stargold Industrial Park, Opp-Gharda Ghar Aashram, Indor-Ahmedabad Highway, Kuha Gaam, Dist-Ahmedabad-382433, Gujarat, India.

PRESSURE RELIEF/SAFETY VALVE (PRV/PSV)

1	FMC Sanmar Ltd.	147, Karapakkam Village, CHENNAI - 600 096
2	Protego Equipments Pvt. Ltd. ,	Navi Mumbai
3	Larsen & Toubro	32, Sivaji Marg, Post Box No.6223, Near Moti Nagar, NEW DELHI
4	Nirmal Industrial Controls Pvt. Ltd.	
5	RMG Regal + Messtech GmbH, Germany	Germany
6		

PIPE FITTINGS

1	GENOYER	Group Genoyer 9/11, rue de Losbonne, 13742 Vitrolles
2	TECHNOGORGE- Italy (International Piping Group)	International Piping Group, Inc. 2523 Fairway Drive, Suite 500 Houston, Texas 7003
3	Siddharth & Gautam- Faridabad	Siddharth Makker Piyala Road, Sikri Ballabhgarh, Faribabad
4	FBF Global Services Co.	5000 Watkins Way, Suite 124, Friendswood, TX 77546
5	Allied International SRL Italy	loc. Vascellino 29010 Nibbiano (PC) - ITALY
6	Bassi Luigi Fittings B.V. Holland	Bassi Luigi & C spa Stabilimento e Uffici : Via Buttirone, 1 26865 S Rocco al Porto (LO), ITALY
7	GAM Raccordi Spa Italy	GAM Raccordi S.P.A Via Roma, 29, GAZZOLA (Placenza) ITALY 29010

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
8	TeloCEENNE (Groupe Genoyer)	Teloceene Asia Pte Ltd. 171 Chin Seww Road, #11 - 09 San Centre Singapore
9	Teekay Tube	315/317, Navratna 69, P D Mello Road, Near Camac bridge, Mumbai-400009
10	Pipefit Engineers	496/1, GIDC Industrial estate, Majarpura, Baroda-390010
11	Sawan Engineers	Baroda
12	Gujrat Infra Pipes Pvt. Ltd.	D/62, Kabir Complex, Makarpura Road, Baroda- 390 009
13	Swastik Lloyds Engineering Pvt.Ltd.	58, Islampura Street, Near Alankar Cinema, Mumbai - 400 004

FILTERS

1	Ultra filter	
2	Chemtrols	
3	Emerson	
4	Flash Point	
5	Grand Prix Fab (Pvt.) Ltd	
6	Multitex Filtration Engg. (P) Ltd.	
7	Forain SRL (Italy)	
8	Perry Equipments Corp. (USA)	
9	SYRTEC International Contractor SPA (Italy)	
10	Faudi Filter Systems GMBH (Germany)	
11	Axsia Howmar Ltd (UK)	
12	Plenty Filter (UK)	
13	Vanaz	
14	Control Plus	
15	Nirmal Industrial Controls Pvt. Ltd.	

CASING END CLOSURE

1	Raci	Italy
2	Raychem RPG Limited	709/710, Tolstoy House, Tolstoy Marg, New Delhi - 110 001

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
SPACER / INSULATOR		
1	Raci	Italy
ELECTRICAL		
MAIN / SECONDARY, MEDB, DCDB & UPS DISTRIBUTION BOARD		
1	Contronics Switchgear (I) Pvt. Ltd.	A-30, Sector-58, NOIDA - 201301, UTTAR PRADESH
2	Elpro Engineering	Plot No.4458, Y-95, 8th Street, Anna Nagar, CHENNAI-600040
3	RYB Switchgears Pvt. Ltd.	C-543, 2nd Floor, Saraswati Vihar, DELHI - 110034
4	Trident Switchgears	Mata Bhavan, C-49, Jangpura Extension, NEW DELHI - 110014
5	Birla Ericsson Optical Ltd.	Udyog Vihar, P.O. Chorthala, Rewa, MADHYA PRADESH-486006
6	MileStones Switchgear Pvt. Ltd.	D-92/8, Okhla Industrial Area, Phase-I, NEW DELHI - 110020
7	Vidhyut Control (I) Pvt. Ltd.	D-12, Sector-17, Kavi Nagar Industrial Area, GHAZIABAD-201301, UTTAR PRADESH
8	Electronic Insatrummentation & Control	Plot No.436, Phase-II, G.I.D.C. Estate, Vatva, AHMEDABAD-382445, GUJARAT
9	Crompton Greaves Ltd.	
10	Larsen & Toubro Ltd.	
11	Control & Switchgear Co. Ltd.	222, Okhla Industrial Estate, NEW DELHI - 110020
POWER CABLES		
1	Universal Cables Ltd., M.P.	
2	Fort Gloster Industries Ltd.	
3	Associated Flexibles & Wires Pvt. Ltd., Mumbai	
4	NICCO Corporation Ltd., Baroda	
5	Cable Corporation of India Ltd.	

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
6	KEI Industrie Ltd.	
7	Grandlay	
8	Ravin Cables Ltd.	
9	Thermopads Pvt. Ltd.	
10	R.P.G. Cable Ltd.	
11	Finolex Cable	
12	Delton Cables Ltd.	
13	Polycab Wire Pvt. Ltd.	
14	CORDS Cable Industries	
15	Finolex Cable	
16	GESCAB Industries Ltd.	
17	INCAB	

FLAMEPROOF LIGHTING FIXTURES, FLP, J.BOX/FLP SWITCH SOCKET

1	Balinga Lighting Equipments Pvt. Ltd.	
2	Sudhir Switch Gears Pvt. Ltd.	
3	Flame Proof Control Gears Pvt. Ltd.	
4	Flame Proof Equipment Pvt. Ltd.	
5	Flex Pro Electricals Pvt. Ltd., Navsari	
6	CEAG	

SWITCH SOCKET AND PLUGS

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
1	B.C.H.	
2	Baliga Lighting Equipments Pvt. Ltd.	
3	CGL	
4	MDS	

SWITCH

1	L&T / Siemens / CGL / GE / CSC / Schneider Electric	
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FUSE

1	L&T / EE / CGL / GE / Schneider Electric / CSC	
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INSTRUMENT / METER

1	IMP / Rishab / AE	
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PUSH BUTTON

1	L&T / Siemens / BCH / Kaycee	
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SELECTOR SWITCH

1	Kaycee	
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INDICATION LAMP

1	Concord / L&T / Vashinu	
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CABLE GLANDS

1	Control Switch Gear / Electromac / Comment / Baliga / Flameproof Control Gear	
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CABLE LUGS

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
1	Commet / Dowells / Ismail	
TERMINAL BLOCKS		
1	Eleme / DAV / Essem / BCH / Connect well / Tosha	
2	Phonix Contact (India) Pvt. Ltd.	
NICKEL CADMIUM BATTERY		
1	AMCO	
2	HBL NIFE Power System Ltd.	
LIGHTING MCB DB		
1	MDS	
2	Indo-Asian	
3	Clipsal	
4	Datar	
5	Havels	
6	Standard	
7	Shrenik and Co., Ahmedabad	
AIR CONDITIONER		
1	Voltas	
2	Carrier	
3	LG	
4	Amtrex Hitachi Appliances Ltd.	

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
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BATTERY CHARGER

1	Chhabi Electricals Pvt. Ltd.	
2	Universal Instruments	
3	HBL NIFE Power System Ltd.	

PANEL

1	ICA	
2	Swati Switchgears(I) Pvt. Ltd., Ahmedabad	
3	Elemech Switchgears & Instrumentations, Ahmedabad	
4	Rittal	
5	Pyrotech Controls	
6	Enclotek	

I.S. BARRIER / REPEATER

1	MTL	
2	P&F	

SOLAR LIGHT

1	Saroj Urja Services Co	A-14, navjivan Soc., Dahej bypass road
2	Solartech System	B-2, Lalita Co-op Hou.Soc. Isanpur raod, Ahmedabad
3	Khodiyar Enterprise	Jay marketing, Sukrut Apt., HJ Doshi Hospital Road, Rajkot
4	Hitech Industrial Corp.	206, Kalptaru Complex, Indira Circle, Rajkot

INSTRUMENTATION

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
PRESSURE, DIFF.PRESSURE/ TEMPERATURE TRANSMITTER		
1	Emerson Process Management	
2	ABB	
3	Tata Honeywell	
4	Fuji	
5	Yokogawa Blue star	
RTD WITH THERMOWELL		
1	Pyroelectric Instruments	
2	General Instruments	
3	A.N. Instrument	
4	Waree Instruments	
5	Altop Industries	
TEMPERATURE GAUGE WITH THERMOWELL		
1	General Instruments	
2	Pyroelectric Instruments	
3	A.N. Instrument	
4	Waree Instruments	
5	Altop Industries	
FIRE AND GAS DETECTION SYSTEM		
1	Detector Electronics Pvt.Ltd.	

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
2	Detection Instruments India Pvt. Ltd.	Plot No. EL 36, Electronic Zone TTC Industrial Area MIDC, Mehape, Navi-Mumbai, Mumbai-400709
3	Joseph Leslie Drager MFG Pvt. Ltd.	109, 1st Floor, Kirti Deep Building, DDA Commercial Complex, Nangal Ria, New Delhi - 110046
4	Oldham	
5	Detronic	
RELAYS		
1	Omron	
2	OEN	
3	Jyoti	
PLC/RTU		
1	Allen Bradley	
2	GE Fanuc	
3	Yokogawa	
4	Honeywell	
5	Schnieder	
6	Siemens	
7	ABB	
MCT		
1	ROXTEC	
OFC		
1	Finolex Cable	405, BMC House, N-1, Connaught Place, New Delhi-110001

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
2	Birla Ericsson Optical Ltd., Rewa (M.P.)	
3	RPG Cables Limited	12th Floor, Hindustan Times House, 18-20 Kasturba Gandhi Marg, New Delhi - 110001
4	Tamilnadu Telecommunications Limited	
5	U M Cables	
6	Himachal Futuristic Communications Ltd.	International Division, 286, Udyog Vihar Phase-II, Gurgaon-122016 HARYANA
7	Sterlite Industries (I) Ltd.	OFC Division 604-607, Tolstoy House Tolstoy Marg, New Delhi-110001

HDPE DUCT FOR OFC

1	Jain Irrigation System Ltd., Jalgaon	Jain Plastic Park, P.O. Box 72, Jalgaon-425001
5	Parixit Industries Ltd., Ahmedabad	Plot No.4912, Phase IV, GIDC Vatva, Ahmedabad-382445
6	Pennwalt Agru Plastic Ltd., Baroda	Pennwatt Agru Plastics Ltd., Plot No.272A, Savli GIDC Village Manjusar-391775, Baroda

LS BARRIER/REPEATER/SIGNAL MULTIPLIER

1	MTL	
2	P&F	

LEVEL SWITCH

1	Magnetrol	
2	Chemtrols	

LEVEL GAUGE

1	Chemtrols	
2	V.Automate	
3	Bliss Anand	

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
4	Khrone Marshall Ltd.	
5	Technomatic India Ltd.	
6	Levcon	

INDICATORS

1	YOKOGAWA	
2	Masibus	
3	ABB	
4	Honeywell	
5	Emerson	

PRESSURE / DIFF. PRESSURE GAUGE

1	General Instruments	
2	A.N. Instrument	
3	Henrich	
4	MASS	
5	ASHCROFT	
6	Wika	
7	Hirlekar	

PANEL

1	RITTAL	
2	ICA	

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
3	Siemens Buliding Solutions	
4	Pyrotech Controls	

INSTRUMENT CABLES

1	CORDS Cable Industries	
2	Associated Cables	
3	KEI Industries Ltd.	
4	Universal Cables Ltd., M.P.	

JUNCTION BOX / CABLE GLANDS / PLUGS

1	Flex Pro Electrical Pvt. Ltd., Navsari	
2	Baliga	
3	Exprotecta	

RPD METER

1	Dresser	
2	Romet	
3	Elster Insromet	
4	RMG Regel + Messtechnik GmbH Germany	
5	Itorn	
6	Raychem RPG Limited	

TURBINE METER

1	Dresser	
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RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
2	Rockwin	
3	Elster Insromet	
4	RMG Regel + Messtechnik GmbH Germany	
5	Daniel	
6	Itron	

PRESSURE REGULATORS, SLAM SHUT VALVES AND SHUT DOWN VLAVES

1	RMG	
2	Pietro Fiorentini	
3	Emerson Process Management	
4	Schlumberger	
5	Gortor controls	
6	Instromet International NV	
7	Nirmal Industrial Controls Pvt. Ltd.	

SOLENOID VALVE

1	ASCO	
2	Rotex	
3	SMC	

FLOW COMPUTERS

1	Daniel / Emerson	
2	Omni	

RECOMMENDED VENDOR LIST - REV 01

Sr.N.	NAME OF VENDOR	ADDRESS
3	FMC	
4	Bristol Babcock Inc.	
5	Thermofisher	
6	Elster	
7	ABB	
8	Schnieder	
INSTRUMENT FITTINGS / TUBING		
1	Swagelock	
2	Comfit	
3	Parker	
4	Sandvik (Impulse Tubing)	
TELECOM		
1	Fibcom, Gurgaon	
2	Nortel, New Delhi	
3	WRI, China	
4	Nokia, New Delhi	

- Notes :**
- 1) Above vendor list is indicative only and any other vendor(s) apart from as mentioned above may be accepted subject to approval by Owner/Owners representative based on past track record.
 - 2) For the vendors of items not covered in above vendor list, but required for completion of project successfully, bidder shall take approval from Owner/Owners representative for the same. Bidder shall submit the required certifications, documents, PTR and Performance letters from clients for the same.

DATA SHEET	MANUAL BALL VALVES ABOVEGROUND SERVICE	DATA SHEET No.
		(VBA-1C1) Page 1 of 2

I. PROCESS DATA :

- PIPE CLASS : 1C1 (100#) - CORROSION ALLOWANCE : 1.6 mm
- FLUID : Natural Gas
- FLUID SYMBOL : NG
- OPERATING CONDITION
- TEMPERATURE (°C) : Refer Appendix -2 of PTS -
- PRESSURE (Barg) : Instrumentation
- DESIGN CONDITION
- TEMPERATURE (°C) : 0 - 60
- PRESSURE (Barg) : 49

II. VALVE DATA :

- APPLICABLE SPECIFICATION : PTS - Pipeline valves
- CONSTRUCTION DESIGN : API 6D
- PIPE CLASS : 3C1
- RATING : 150#
- VALVE BORE : FULL BORE
- TYPE : FLOATING TYPE (BELOW 3") & TRUNION MOUNTED DOUBLE BLOCK & BLEED (4" & ABOVE) -FULLY WELDED /BOLTED CONSTRUCTION AS
- END CONNECTION : PER P & ID / Layout [BW (As per ANSI 16.25) & RF (As per ANSI 16.5)]
- BODY MATERIAL : ASTM A 216 GR. WCB / ASTM A 234 GR. WPB
- BALL MATERIAL : (ASTM A 216 GR. WCB / ASTM A 234 GR. WPB) + MINIMUM 75 MICRONS ENP
- BODY SEAT RINGS : AISI 4140 + MINIMUM 75 MICRONS ENP COATING / AISI 410
- SEAT SEAL : VITON / DEVLON
- STEM : AISI 4140 + MINIMUM 75 MICRONS ENP COATING / AISI 410
- STEM SEALS : VITON / PTFE
- STUD BOLTS/NUTS : ASTM A 193 Gr. B7 / ASTM A 194 GR. 2H
- PRIMARY SEAT : METAL TO METAL
- SECONDARY SEAT : DEVLON / RPTFE or Equivalent
- FIRE SAFE : YES (Bidder to submit documentry proof)
- ANTISTATIC : YES
- ANTI-BLOW OUT : YES
- EXTENSION STEM : NO
- PUPS (Applicable only for BW end)
- LENGTH : 1.5 x ND or 300 mm (Whichever is higher)
- MATERIAL OF CONSTRUCTION : As same as Pipe (Refer PMS)
- THICKNESS : As same as Pipe (Refer PMS)
- **PAINTING (Refer Annexure II of PTS)**
- Surface preparation : SA 2.5
- Primer : 30-40 µm
- Finish : 30-40 µm
- Final Paint DFT : 300 µm (min.)
- **INSULATION** : NO

15.09.2024	0	PKP	VA	GS	Issued for Procurement
DATE	REV	PREP	CHK	APP	DESCRIPTION

