



PANDIT DEENDAYAL PETROLEUM UNIVERSITY

Raisan village, Koba-Gandhinagar High-way,
Gandhinagar – 382007, GUJARAT,INDIA

Tel. No:- +91-079-23275416

Fax No:- +91-079-23275030

Tender Notice

Sealed Tender bids are invited from reputed / authorized supplier/ manufacturer for supply installation and commissioning of the following items for Pandit Deendayal Petroleum University, Gandhinagar, so as to reach the undersigned at the address given below latest by the date and time specified here in below.

Tender No.	Lab. Name	EMD (Rs.)	Estimated Cost
PDPU/ORSP/COEWTM/Batch-RO-FO/INDIA-H2O/19-20/209	Centre of Excellence in Water Treatment and Management	Rs. 108500.00	Rs. 10850000.00

Bid documents containing complete details, specifications, terms and conditions etc can be downloaded from the PDPU website [http:// www.pdpu.ac.in](http://www.pdpu.ac.in).The download tender document (PDF Format) comprises:

- Part – I : Tender Notice
- Part – II : Technical Specifications (Schedule-‘A’)
- Part – III : Commercial Terms & Conditions

The Technical Bids so received, shall be opened, on the date and time specified here in below at the Pandit Deendayal Petroleum University, Raisan Village, Gandhinagar in the presence of the bidders or their authorized representatives those wish to be present.

The Financial bids of only eligible Tenderer(s) shall be opened. The date and time of opening the financial bids shall be announced on our website after scrutiny of the Technical bids.

Important Dates:

Last date and time for submission of Bid	30.04.2020 up to 5.00 p.m.
Opening of Technical Bid	04.05.2020 at 3.00 p.m.

Important Instructions:

1. The offer shall be submitted on downloaded tender document only.
2. The Main envelope should contain followed **four envelopes** duly sealed.

- (a) **EMD Envelope** : This should contain Demand Draft (D.D) for EMD document in favour of Pandit Deendayal Petroleum University payable at Ahmedabad.
- (b) **Technical Bid** : Schedule- 'A'
- (c) **General Commercial Terms & Conditions**
- (d) **Price Bid** : (Schedule 'B') should contain only Price Bid.

All the four envelopes should be super scribed with tender No., date of opening and Name of the bidder.

3. Offer without EMD is liable to be rejected forthwith.
4. The Tender, duly completed, should be sent by RPAD or Speed Post or Courier Service (Hand Delivery is not acceptable) so as to reach latest by the date and time specified here in above. Tender received after the due date and time is liable for rejection irrespective of delay due to postal service or any other reasons.
5. Any technical query, information clarification pertaining to this tender may be referred to **Dr. Anurag Mudgal (Project Incharge- 9429026498, 07923275437; E-Mail: anurag.mudgal@sot.pdpu.ac.in)** Pandit Deendayal Petroleum University, Raisan village, Gandhinagar-Koba highway, Gandhinagar-382007 OR **purchase@pdpu.ac.in**

PDPU reserves right to reject any OR all tenders without assigning any reason.

Sd/-

Registrar
Pandit Deendayal Petroleum University
Raisan village, Koba-Gandhinagar High-way,
Gandhinagar – 382007, GUJARAT, INDIA

PART-II

SCHEDULE-'A'

Detailed technical specification for: 02 number integrated Batch-RO/ FO units

Sr. No	Complete Description of Item	Generic Specifications	Quantity Required
Manufacture needs to establish two unit. One at PDPU site (Pretreatment + Batch Reverse Osmosis + Forward Osmosis) which is with full automation using PLC based controller and one at lodhava village site (Pretreatment + Batch Reverse Osmosis + Forward Osmosis) with basic automation. Both systems will be solar driven. Following are the components details for both the units.			
1.	Solar PV power installation (with all arrangements & control fittings)	Total power requirement - PV solar field of 3 kW peak power with grid connection. (grid connection is needed as backup)	As per size and specification (for both system)
2.	Feed Pump	Capacity - 1 m ³ /hr and pressure range 15 bar, efficiency should be in range of 60-70 %, (recommended - Positive displacement pump),	1
		1 m ³ /hr and pressure range 32-35 bar, efficiency should be in range of 60-70 %, (recommended - Positive displacement pump),	1
3.	Recirculating Pump Booster Pump	Booster pump with relatively low constant head, Efficiency range 50-60 % and flow rate about to 1.8 m ³ /hr to 3 m ³ /hr.	2
		Booster pump with relatively low constant head, < 5 bar Pressure, Feed rate - 0.2 m ³ /hr	2
		Booster pump with relatively low constant head, < 5 bar Pressure, Feed rate - 0.52 m ³ /hr	2
		Booster pump with relatively low constant head, < 5 bar Pressure, Feed rate - 1 m ³ /hr	2
4.	Pressure vessel	2 pressure vessels with 8" Diameter with 1.489 m length for RO Module and 2 pressure vessel 8" diameter with 2.505 m length for pressure	4

		exchanger vessel with pressure sustaining capacity of 41 bar (600 psi). Codeline – Pentair Pressure Vessel should be preferable.	
5.	Piston	Drawing with dimensions are attached in annexure. Material used for Piston – Acetel Copolymer or high density polyethylene	2
6.	Membrane**	1 – 8” * 40” Aquaporin BWRO High Flux Module Aquaporin HFF014 modules (FO Membrane)	2 6
7.	Tanks (including draining system)	1. Dozing solution tank 2. Initial raw water tank before pre-treatment (3000 litre) 3. Permeate water tank (2000 litre) 4. Feed water tank (FO Feed Water) (1500 litre) 5. Feed water tank (FO Draw Water) (1500 litre) 6. FO concentrate water tank (1500 litre) 7. FO dilute water tank (1500 litre)	2 2 2 2 2 2
8.	Pre-treatment process	1. Sand filter 2. Carbon filter 3. Cartridge filter	4 4 6
9.	Valves	Control valve Three-way control valve Three-way manual control valve Pressure safety valve	6 2 8 2
10.	Sensors*	Proximity Sensor, Conductivity Sensor, Flow meter,	

		Pressure Sensor, Speed control, Level Transducer, Solar irradiance (This sensor must be assembled with the same inclination than the solar panels)	Details are attached in Annexure 3
11.	Piping	Stainless Steel Piping	All piping's are made of stainless steel and having diameter of 1 inch.

*Details are mentioned in annexure.

**Provided by Aquaporin.

Above table describes only major items and equipment. The supplier is required to understand the whole process by studying process description (Annexure 1), attached drawings (Annexure 2), Sensors list (Annexure 3) and PLC based Controller (Annexure 4). He will be responsible to integrate the unit in desired and operational mode by providing all controlling and measurement gadgets. The supplier will be responsible for overall fabrication, commissioning and demonstration of the units at both the location (PDPUs and Lodhava Village) and will have to sign an MOU and guarantee of maintenance and modification suggested by experts from DBT visiting time to time. He will remain associated with the project work for at least three years. The quotation should be all inclusive of travelling, stay and other logistic expenses for technician, man power and tools etc.

(ANNEXURE-1)

Description of Forward Osmosis - Batch Reverse Osmosis System

(Dr Anurag Mudgal, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat)

Batch Reverse Osmosis System:

Fig.1 shows the main parts of the batch-RO design consisting of:

1. The RO module: A standard pressure vessel containing a spiral wound element (Aquaporin High Flux BWRO)
2. pressure vessel, housing a free piston. This assembly is referred to as the 'pressure exchanger'.
3. A feed pump to supply feedwater at high pressure (e.g. in the range 25-30 bar approximately).
4. A recirculation pump to recirculate water at low pressure (<1 bar) but at faster flow than the feed pump.
5. Three valves:
 - The bypass valve (normally closed)
 - The purge valve (normally closed)
 - The main valve (normally open)

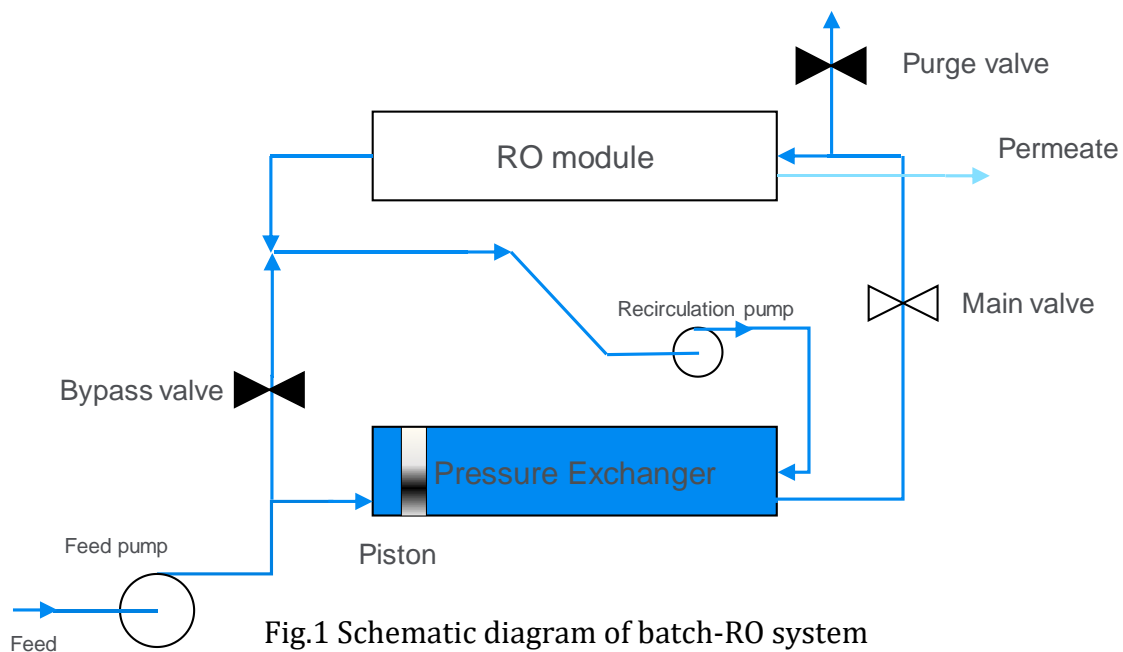


Fig.1 Schematic diagram of batch-RO system

The system works on the two major processes,

1. Pressurisation
2. Purge and Refill

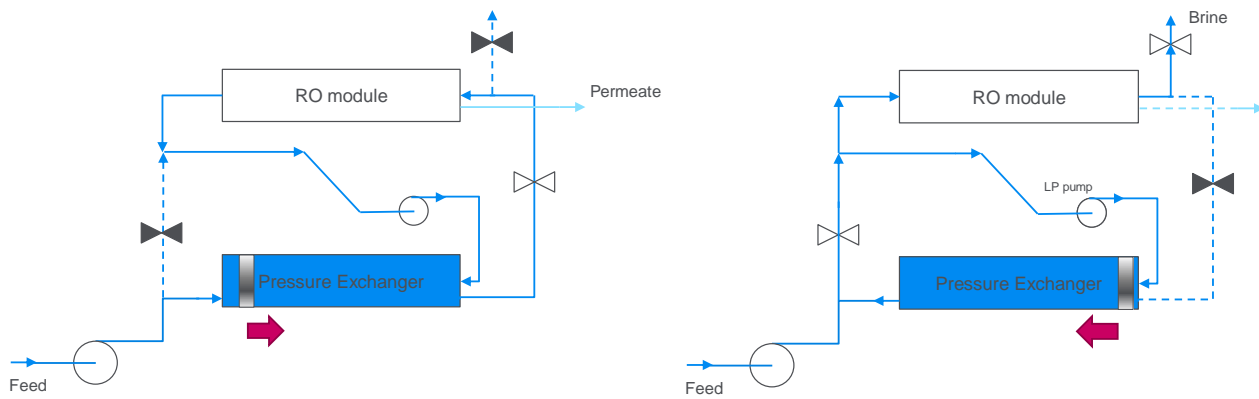


Figure 2: (a) pressurisation stage, with piston moving to the right; (b) purge-and-refill stage, with piston moving to the left.

1. **Pressurisation:** During this stage, feedwater is supplied to the left end of the pressure exchanger, driving the piston to the right. Salt water displaced on the left side enters the RO module through which it is recirculated with the help of the recirculation pump. The main valve is open to allow this to occur. Pressure from the feed pump forces water through the RO membrane while salt is retained. The pressure gradually increases to the peak value. The concentration of salt water in the recirculation loop gradually increases, remaining almost uniform at each instant, due to the fast recirculation of water.
2. **Purge-and-refill:** At the end of the pressurisation stage, the salt water in the system becomes very concentrated. It is purged out and replaced by feed water at a lower concentration. The purge path is opened by opening the bypass and purge valves, while the main valve is closed. The recirculation pump continues to operate and now serves the purpose of returning the piston to its original position to the left, so that the cycle can recommence.

Note: During whole cycle both the pump are running continuously.

- System should be wholly solar power and specific energy consumption of the system is to be less than 0.5 kWh/m³.
- Piston inside the cylinder is free to move (It should be move with less than 5 kg force) and it is made of Acetel copolymer or high-density polyethylene. The recess provided in the piston is for the sealing purpose and it should be modified as per standard sealing ring (O-ring) available.
- Feed pump of the system is producing the driving pressure of the system while recirculating which having relatively low constant head elevates the pressure to desired level in recirculating loop.
- Valve used in the system is solenoid valve and they are operated on the base of concentration or pressure. Valve actuation is fully automatic based on concentration or pressure.

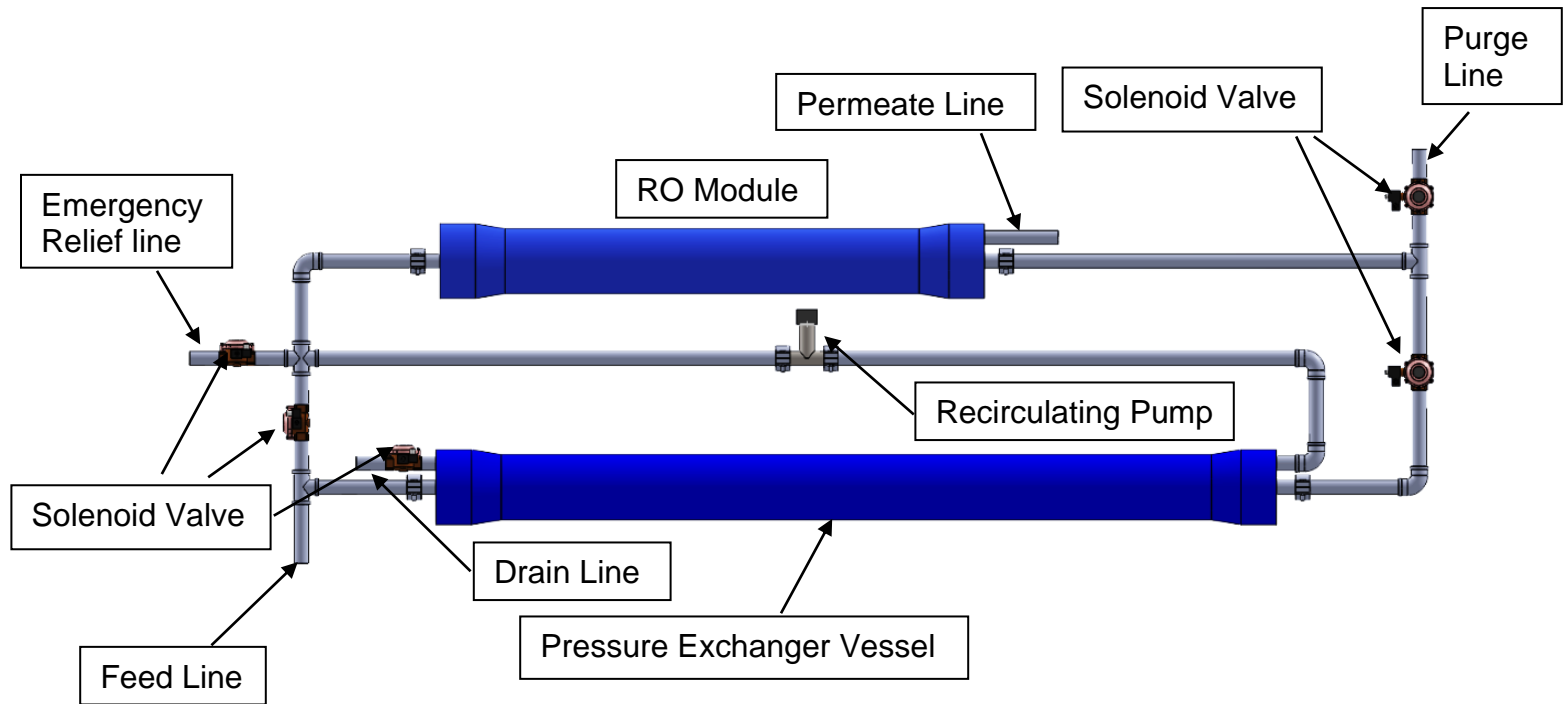


Figure 3: Batch RO System with Nomenclature

- Whole system should be supported by the frame that have to design by manufacturer.
- Victaulic joints are used as stainless-steel pipe work is done. Instead of Victaulic joint manufacturer can use any other joint as per convience and availability.
- RO Module pressure vessel and pressure exchanger assembly's pressure vessels drawing is attached in annexure. Both pressure vessel has a different length. It should be standard in quality.
- Drain water from the system can be directed in the initial raw water tank.

Forward Osmosis System:

Forward osmosis (FO) utilizes the osmotic pressure difference developed across a semipermeable membrane separating two solutions of different concentrations to drive the permeation of water. When two solutions with different concentrations are placed on the two sides of a semipermeable membrane, an osmotic pressure differential will be generated to drive the permeation of water across the membrane from the low concentration solution (feed solution) to the concentrated solution (the draw solution). During the FO process the draw solution faces the membrane support layer, while the feed solution faces the active layer of the membrane.

A line diagram of proposed forward osmosis system is show below. Here 2 x 3 array of forward osmosis membrane which is provided by the Aquaporin. Here, draw solution is the reject of Batch RO system which is collected in draw solution tank and feed solution is a waste water (Domestic waste water after pre-treatment). Here red line shows the draw solution and blue line shows the feed solution. Membrane connection for draw solution is in parallel and for feed

solution is in series. After passing from the membrane the both solution having different concentration are used for the different techniques to obtain 100% reutilisation of waste.

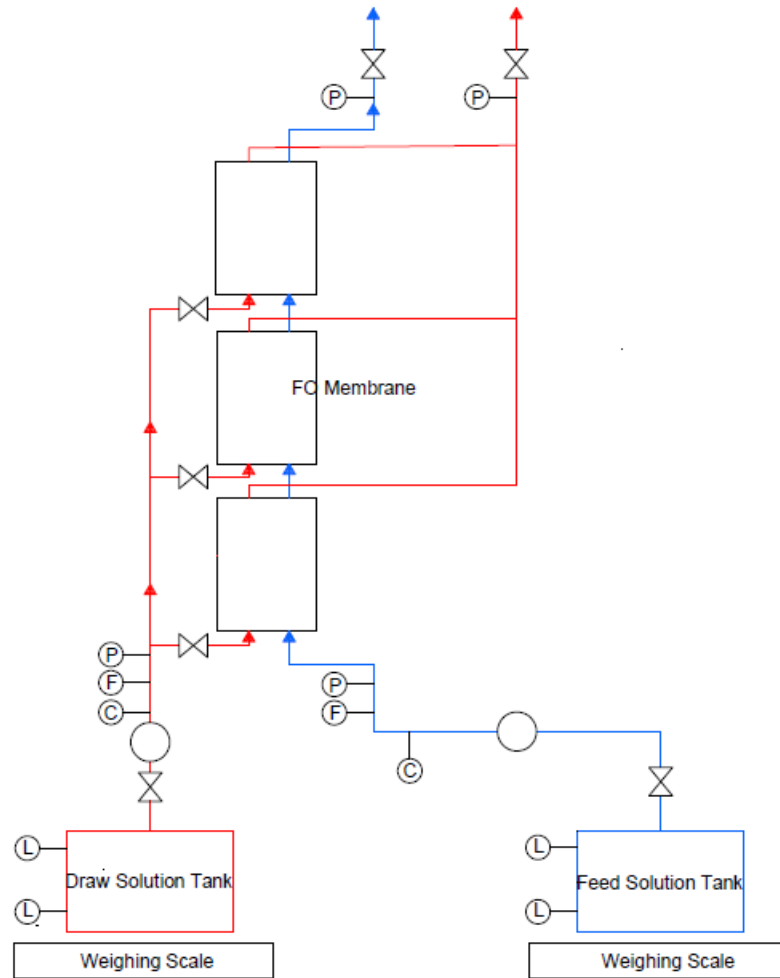
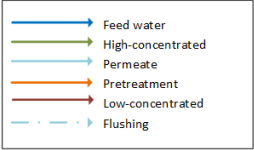
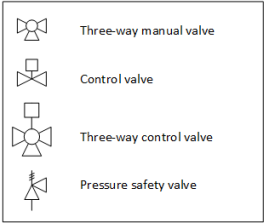
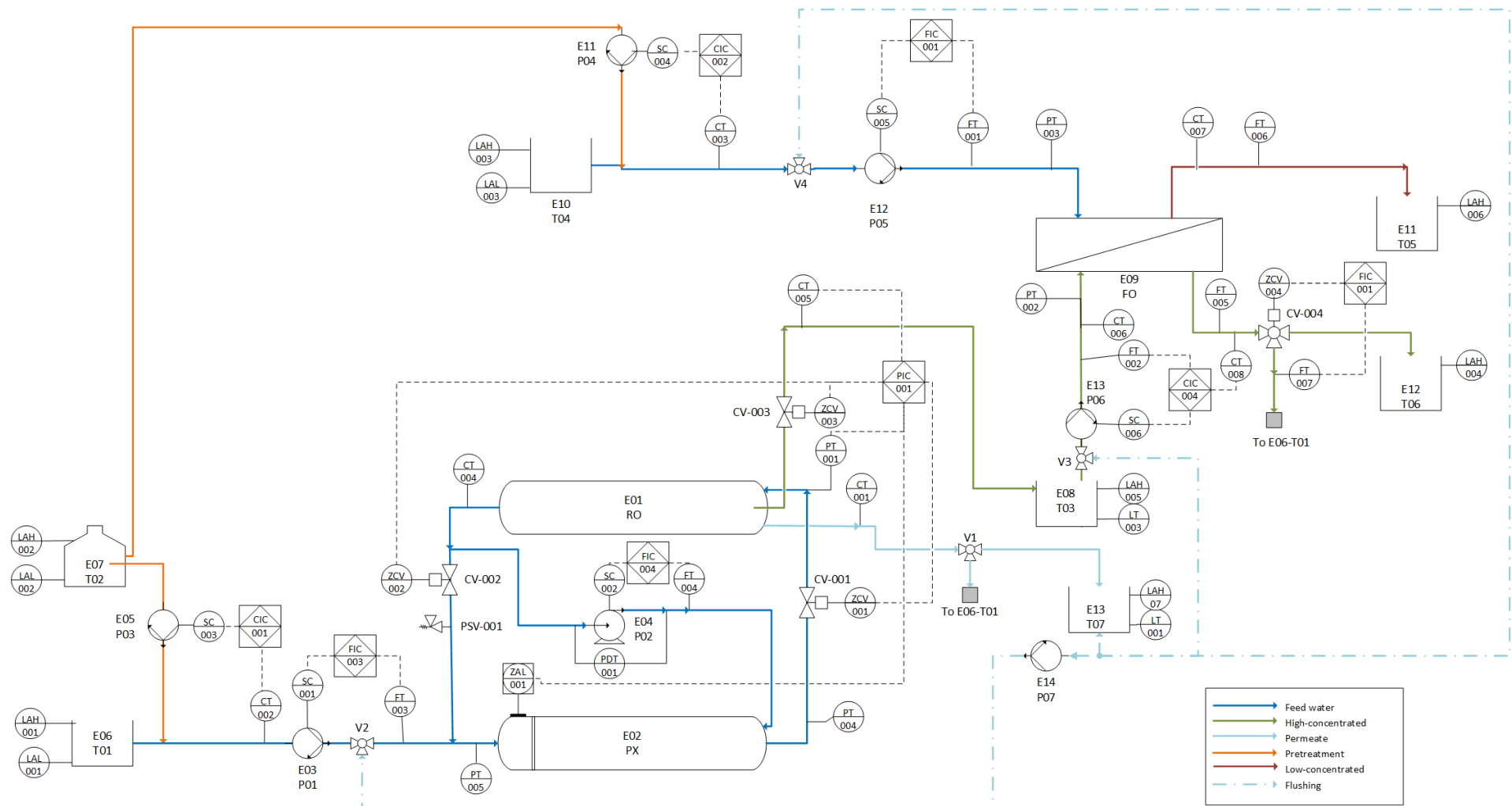


Figure 4: Line diagram of Forward Osmosis System

As this is an integrated FO-BRO system, both the above explained systems are integrated in one single unit. Piping and instrumentation diagram of both the system is attached below. The whole system should be solar powered.



BRO-FO design for PDDU Centre of Excellence
 India H2O Project
 Revision: 1.2
 Date: 16/03/2020

P&ID Description:

The instrumentation and control loops required for the BRO/FO plant located at PDPU centre of Excellence, are included in the P&ID. To design and represent the measurement and control devices the standard defined by ISA (Instrument Society of America) has been listed. The diagram designed by the India H2O partners, can be briefly described as follows:

- All the control loops must be included in the PLC.
- There are seven tanks (T01...T07) equipped with level sensors. In some cases, continuous level transmitters are required (e.g. LT-001) in order to evaluate the fluid flow rates at the outlet of BRO. Digital outputs are required in order to detect low or high levels in the tank (e.g. LAL-001 and LAH-001, respectively).
- From T01, the fluid is pumped to the BRO system using a centrifugal pump (P01). Fluid flow rate is measured by a flow transmitter (FT-003). A control loop FIC-003 is in charge of varying the speed of the P01 variable frequency drive in order to maintain the desired setpoint in the flow FT-003.
- The BRO system is composed by a pressure exchanger (PX) and a reverse osmosis membrane (RO). The operation of this BRO system is controlled with a sequential control which must be defined in the PLC (PIC-001). The inputs required by this control loop are the alarm which detects that the piston is on the left side of PX (ZAL-001), the conductivity at the outlet of RO (CT-005), and the pressure at the inlet of RO (PT-001). The outputs of this control loop are the position of on-off valves (ZCV-001, ZCV-002, ZCV-003).
- A pressure safety valve PSV-001 is located after CV-002 valve to prevent a pressure excess that could damage the system.
- The permeate at the outlet of RO flows to tank T07 or tank T01 depending of the position of manual valve V1. With this valve we prevent flowing water to T07 if the concentration is higher than 250 mg/l. This situation could happen at the beginning of the operation.
- The high-concentrated outlet of RO flows to tank T03.
- At normal operation, P06 pumps the water from tank T03 to the FO system. A control loop CIC-004 controls CT-008 choosing the adequate FT-002 which will be maintained with the frequency variable drive of pump P06. This conductivity must be maintained because part of the high concentrated stream from FO is recycled to be used in the BRO system. The recycled flow rate will be modified acting over the aperture of the regulated control valve, CV-004.

A flushing connection is considered in the diagram. Permeate water from T07 can be flowed to BRO and FO by acting properly over manual valves V2 and V3.

Pre-treatment system description:

The figure shows pre-treatment process which should be implement before the raw water enter in Batch RO System. The flow diagram shows the basic idea of the system.

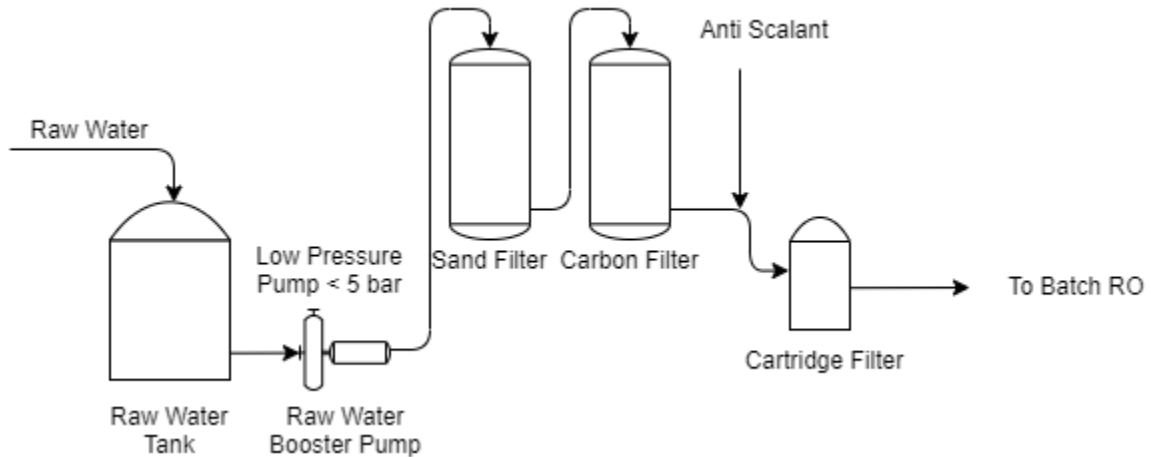


Fig. 6 Pre-treatment process for reverse osmosis system

This are the basic pretreatment applied to any reverse osmosis system. Antiscalant is also recommended to add for the adjustment of pH (to prevent scaling of CaCO_3).

Pre-treatment process for Forward Osmosis:

As Phyto treated water is the feed solution for the forward osmosis process, it requires to treated with sand, carbon and cartridge filter before going to forward osmosis membrane.

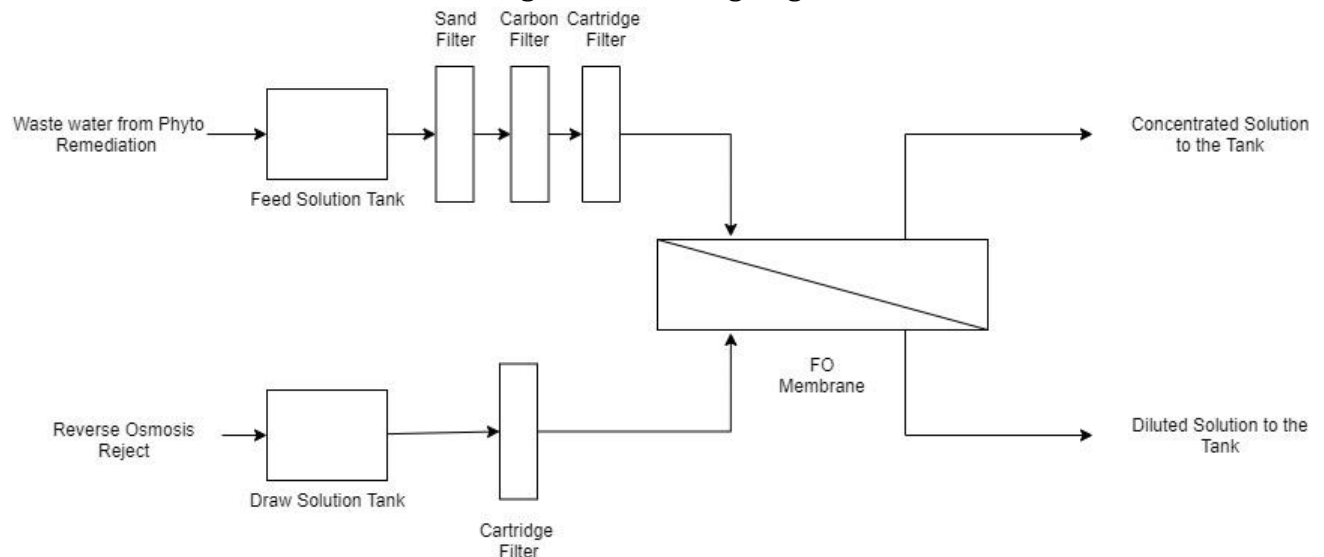
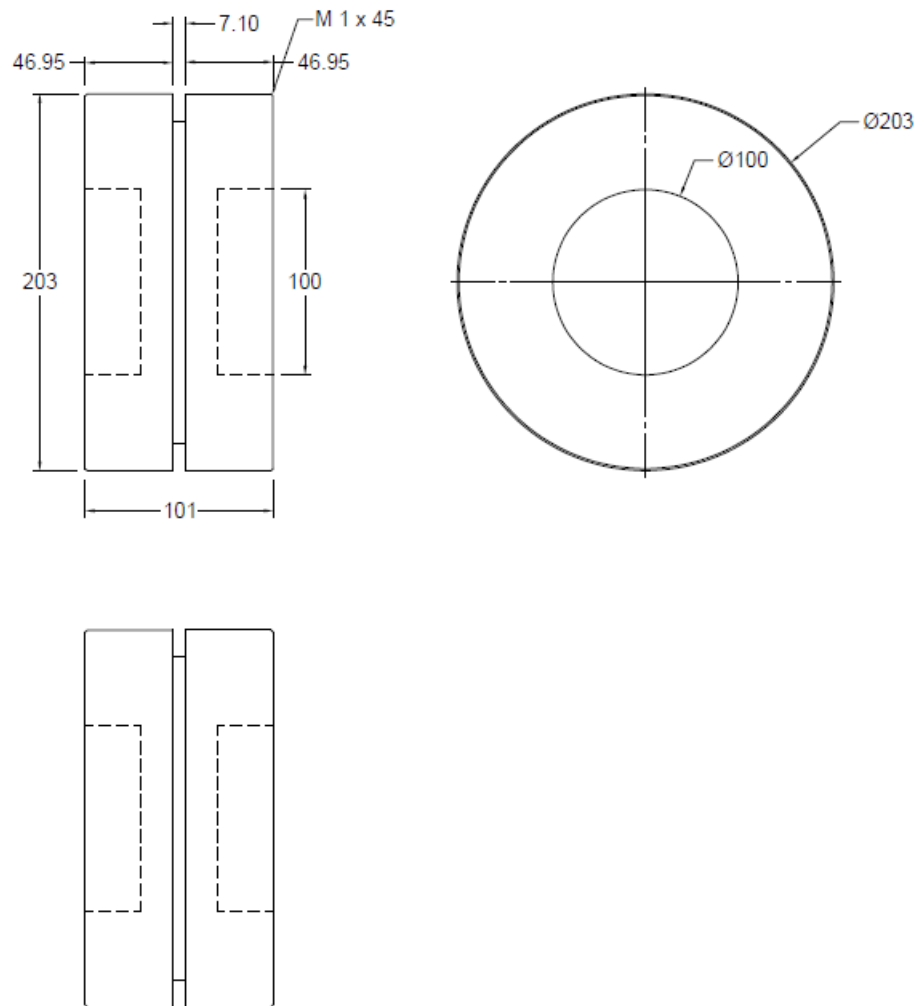


Fig. 7 Pre-treatment process for forward osmosis system

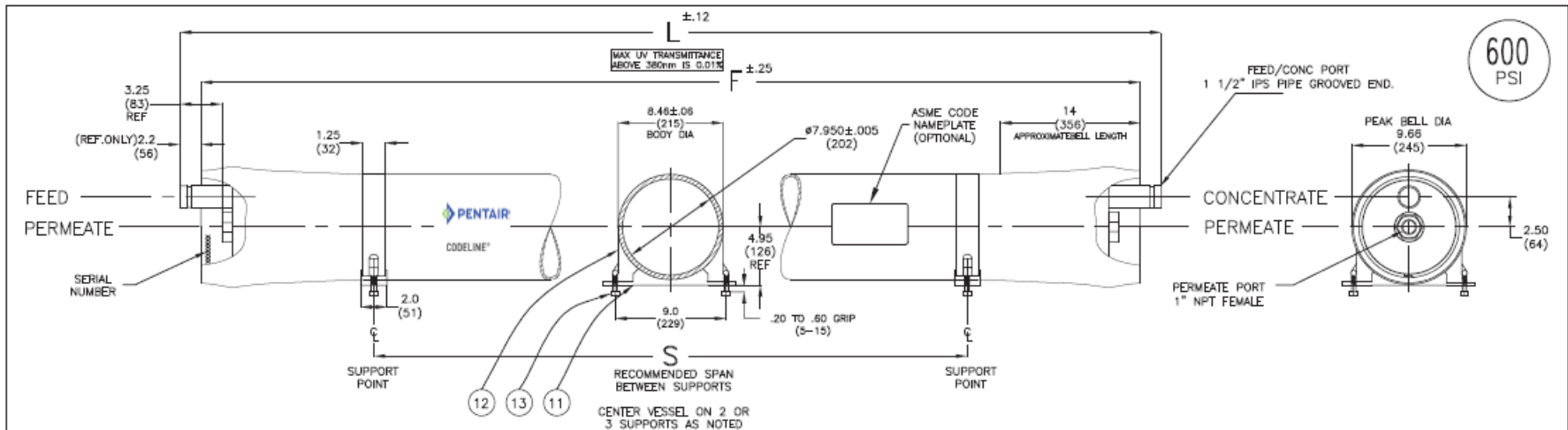
Similarly, draw solution is the reject form RO membrane which requires the cartridge filter for the pretreatment process. Both, draw side and feed side requires pump after feed tank which having less than 5 bar pressure.

(ANNEXURE-2)

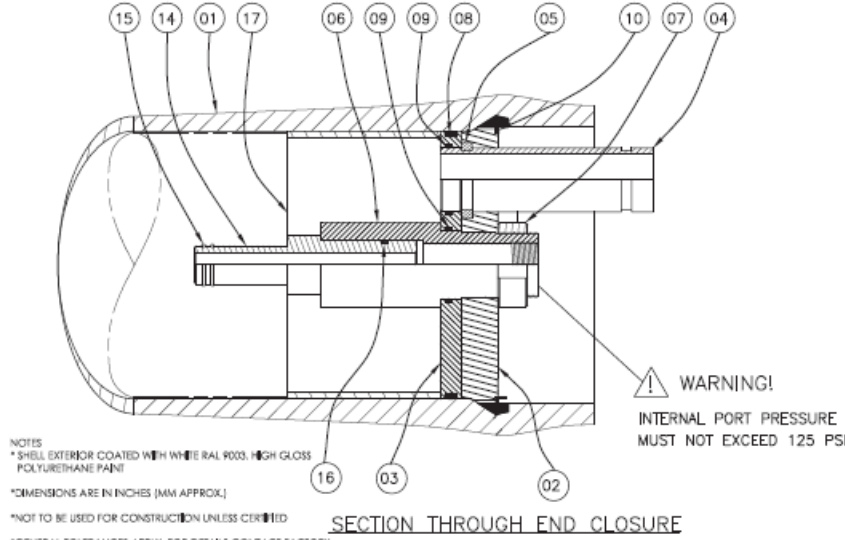
Piston Drawing



Note: All dimensions of this diagram are in mm.



DWG REF	QTY	PART NUMBER	DESCRIPTION	MATERIAL
SHELL				
01	1	99803	SHELL	Filament Wound Epoxy/Glass composite - Head locking grooves integrally wound in place.
HEAD				
02	2	51052	Bearing Plate	6061-T6 As per SB-221
03	2	96003	Sealing Plate	Engineering Thermoplastic.
04	2	50567	Feed/Conc Port	SS-316L As per SA-312
05	2	45090	Port Retainer Set	CF8M Cast SS, Two-piece set.
06	2	50569	Permeate Port	Engineering Thermoplastic.
07	2	45066	Port Nut	Engineering Thermoplastic.
08	2	96000	Head Seal	Ethylene Propylene - O Ring.
09	4	45312	Port Seal	Ethylene Propylene - O Ring.
HEAD INTERLOCK				
10	2	47336	Retaining Ring	SS-316 As per SA-479
VESSEL SUPPORT				
11	2"	52169	Saddle	Engineering Thermoplastic.
12	2"	45042	Strap Assy.	304 Stainless Steel - PVC cushion
13	4"	46265	Strap screw.	5/16-18 UNC, 2.5" L, 18-8 Stainless Steel.
ELEMENT INTERFACE				
14	2	A/R	Adapter	Engineering Thermoplastic.
15	4	A/R	PWT Seal	Ethylene Propylene - O - Ring
16	2	52245	Adapter seal	Ethylene Propylene - O - Ring
17	1	45069	Thrust Ring	Engineering Thermoplastic.



NOTES
 * SHELL EXTERIOR COATED WITH WHITE RAL 9003, HIGH GLOSS POLYURETHANE PAINT
 * DIMENSIONS ARE IN INCHES (MM APPROX.)
 * NOT TO BE USED FOR CONSTRUCTION UNLESS CERTIFIED
 * GENERAL TOLERANCES APPLY. FOR DETAILS CONTACT FACTORY
 * L.O.A. REFERS TO OVERALL LENGTH OF THE VESSEL.
 * FC PORT, BEARING PLATE & RETAINING RING MATERIALS ARE AS PER STAMPED APPLICABLE ASME EDITION.
 * EMPTY WEIGHT REFERS TO SHELL WEIGHT INCLUDING HEAD ASSEMBLIES WITHOUT MEMBRANES.

Shell Length Code	L L.O.A. IN(MM)	S Span IN(MM)	F IN(MM)	Empty Weight LB(KG)
1	63 (1600)	30 X 1 (762)	58.63 (1489)	50 (23)
2	103 (2616)	70 X 1 (1778)	98.63 (2505)	70 (32)
3	143 (3632)	110 X 1 (2794)	138.63 (3521)	90 (41)
4	183 (4648)	75 X 2 (1905)	178.63 (4537)	110 (50)
5	223 (5664)	95 X 2 (2413)	218.63 (5553)	130 (59)
6	263 (6680)	115 X 2 (2921)	258.63 (6569)	150 (68)
7	303 (7696)	135 X 2 (3429)	298.63 (7585)	170 (77)
8	343 (8712)	155 X 2 (3937)	338.63 (8601)	190 (86)



MODEL 80E60
MEMBRANE HOUSING

DRAWN DATE	KK 10APR15	EDN 4624		
CHECKED DATE	KPS 10APR15	DATE 26DEC17		
APPROVED DATE	MKS 10APR15	SCALE NONE	SHEET 1 OF 2	REV P
			SIZE B	NUMBER 99109

(ANNEXURE-3)

Tag name	Description	Signal type	Range and units	Sensor type	Maximum error allowed
CT-001	Conductivity at the outlet of the RO (permeate)	AI	0.1 - 2 mS/cm	Potentiometric, electrode made up of platinum;	0.05 mS/cm
CT-002	Conductivity at the inlet of the BRO (feedwater)	AI	0.5 - 10 mS/cm	Potentiometric,	0.5 mS/cm
CT-003	Conductivity at the inlet of the FO (feedwater)	AI	0.5 - 30 mS/cm	Potentiometric,	1 mS/cm
CT-004	Conductivity at the outlet of the RO (feedwater)	AI	2 - 50 mS/cm	Potentiometric,	1 mS/cm
CT-005	Conductivity at the outlet of the RO (concentrated)	AI	2 - 50 mS/cm	Potentiometric,	1 mS/cm
CT-006	Conductivity at the inlet of the FO (draw inlet)	AI	2 - 50 mS/cm	Potentiometric,	1 mS/cm
CT-007	Conductivity at the outlet of the FO (concentrated feed out)	AI	0.5 - 30 mS/cm	Potentiometric,	1 mS/cm
CT-008	Conductivity at the outlet of the FO (diluted draw out)	AI	2 - 50 mS/cm	Potentiometric,	1 mS/cm
FT-001	Feedwater flow rate at the inlet of FO (Feed inlet)	AI	max 1200 L/h - operating 500-600 L/h	Ultrasonic or electromagnetic	10 L/h
FT-002	Concentrated flow rate at the inlet of FO (Draw inlet)	AI	max 1200 L/h - operating 100 - 300 L/h	Ultrasonic or electromagnetic	10 L/h
FT-003	Feedwater flow rate at the inlet of BRO	AI	500 - 2000 L/h - Operating 800-1200 L/h	Ultrasonic or electromagnetic	10 L/h
FT-004	Feedwater flow rate at the inlet of PX	AI	1000 - 4000 L/h - Operating 1800 - 3000 L/h	Ultrasonic or electromagnetic	20 L/h
FT-005	Feedwater flow rate at the outlet of FO (diluted draw out)	AI	max 1200 L/h - operating 500 - 1000 L/h	Ultrasonic or electromagnetic	10 L/h

FT-006	Feedwater flow rate at the outlet of FO (concentrated feed out)	AI	max 1200 L/h - operating 100 - 300 L/h	Ultrasonic or electromagnetic	10 L/h
FT-007	Recycled flow rate	AI	max 1200 L/h - operating 500 - 1000 L/h	Ultrasonic or electromagnetic	10 L/h
LAH-001	High level of T01	DI		Level switch	
LAH-002	High level of T02	DI		Level switch	
LAH-003	High level of T04	DI		Level switch	
LAH-004	High level of T06	DI		Level switch	
LAH-005	High level of T03	DI		Level switch	
LAH-006	High level of T05	DI		Level switch	
LAH-007	High level of T07	DI		Level switch	
LAL-001	Low level of T01	DI		Level switch	
LAL-002	Low level of T02	DI		Level switch	
LAL-003	Low level of T04	DI		Level switch	
/LT-001	Non-contact ultrasonic level sensor transmitter	AI	Make: Siemens/Yokogawa/E&H Medium: Water Output: 4-20mA 2 wires. Range –5 metres Accuracy: 0.2-0.5% of max range Supply Voltage: 24 V DC Resolution: 0.25%F.S	Ultrasonic	

			(Max of them) Indication: Digital local indicator in build. Protection: IP66		
/LT-003	Non-contact ultrasonic level sensor transmitter	AI	As above	Ultrasonic	
PDT-001	Pressure difference in P02	AI	0 - 2 bar		0.1 bar
PT-001	Pressure at the inlet of RO	AI	0 - 50 bar		0.1 bar
PT-002	Pressure at the inlet of FO (draw inlet)	AI	4 - 5 bar max, operating < 1 bar		0.1 bar
PT-003	Pressure at the inlet of FO (feed inlet)	AI	4 - 5 bar max, operating < 2 bar		0.1 bar
PT-004	Pressure at the outlet of PX	AI	0 - 50 bar		0.1 bar
PT-005	Pressure at the inlet of BRO	AI	0 - 50 bar		0.1 bar
RT-001	Solar radiation	AI	0-1300 W/m ² Accuracy: +/- 5% Resolution: 1 W/m ²	Pyranometer	
SC-001	Setpoint for the P01 variable speed control	AO	[0-100]%		
SC-002	Setpoint for the P02 variable speed control	AO	[0-100]%		
SC-003	Setpoint for the P03 variable speed control	AO	[0-100]%		
SC-004	Setpoint for the P04 variable speed control	AO	[0-100]%		
SC-005	Setpoint for the P05 variable speed control	AO	[0-100]%		
SC-006	Setpoint for the P06 variable speed control	AO	[0-100]%		
ZAL-	Piston position exceeds the maximum one	DI	[0,100]%	proximity	

001					
ZCV-001	Position of CV-001 (inlet of RO)	DO	[0,100]%		
ZCV-002	Position of CV-002 (inlet of PX)	DO	[0,100]%		
ZCV-003	Position of CV-003 (outlet of RO, concentrated)	DO	[0,100]%		
ZCV-004	Position of CV-004 (outlet of FO, recycle loop)	DO	[0,100]%		

Nomenclature,

AI – Analog Input

DI – Digital Input

AO – Analog Output

DO – Digital Output

(ANNEXURE-4)

Sr Number	Description	qty
1	<p>PLC based data acquisition and control along with SCADA based remote monitoring and development a software Make: Siemens/Phoenix/Allen Bradley/Schneider/Honeywell / YOKOGAWA</p> <p>A) Basic PLC controller to monitor and control all the field components along with power supply, Ether Net/IP ports with Device Level Ring Capability, SD Card, 1 USB Port, PLC MS panel, PLC accessories with protection circuit to handle various electrical issues like initial start-up of power fluctuations, no water status (dry pump operations), provision for 3G/4G/5G.</p> <p>Details of process inputs / outputs</p> <p>a) Analog inputs 26 numbers b) Analog outputs 10 numbers c) Digital inputs 26 numbers d) Digital outputs 20 numbers e) Integration of Variable Frequency Drive signal from feed pump, recirculating pump and booster pump</p> <p>B) SCADA based Local and remote monitoring and development system compatible to above hardware: Make: Siemens/ Phoenix/ Allen Bradley/ Schneider/YOKOGAWA Input from all the field instrument Remote Server & Data Storage: Live monitoring after every 6/samples minute interval. Data storage after every 6/samples / minutes interval Web Based SCADA application software to monitor and control the field instrument Local monitoring through 24” display, up to 5 mobile numbers to configure alarm system, Up to 3 user login for online based remote control, provision of 3G/4G/5G Development of GUI screens as per P&ID diagram and shall indicate status of various instruments / valves /pumps / tanks etc with digital display wherever necessary</p> <p>C) 24” HMI local display and computing hardware: Make: Dell/HP Core i7-6700 3.4 8M 4C/8GB DDR4 RAM/1TB HDD/Intel HD Graphics/ Win 10 Pro 64 Downgrade Win 7 64/ DVD RW/3 years Onsite, HP N223V (32” FHD) LED-Backlit LCD Monitor, HP LaserJet 1020+ : 15ppm – 5000pages,quick heal internet security 1user 3 year,O365BsnessEssentials ShrdSvr SNGL SubsVL OLPNL Annual Qlfdm</p>	1 set

PART-III

GENERAL COMMERCIAL TERMS AND CONDITIONS

DEFINITIONS:

- Tenderer/Supplier/Bidder: These terms are synonym and mean the firm who intends or who has submitted offer in response to this tender.
- Tender / Bid Document: means this tender document.
- PDPU: Pandit Deendayal Petroleum University having its office at Raisan Village, Gandhinagar-382007 and includes its successors and assignee.

- 1 The tenderer should thoroughly read all the clauses of the tender document before submitting the duly filled in Tender.

Tenderer shall place the following **ANNEXURES as FIRST EIGHT pages** of their Technical Bid in the following sequence.

FIRST PAGE	ANNEXURE - 1
SECOND PAGE	ANNEXURE - 2
THIRD PAGE	ANNEXURE - 3
FOURTH PAGE	ANNEXURE - 4
FIFTH PAGE	ANNEXURE - 5
SIXTH PAGE	ANNEXURE - 6
SEVENTH PAGE	ANNEXURE - 7
EIGHTH PAGE	ANNEXURE - 8

1 **SUBMISSION OF BID DOCUMENT:**

PDPU follows two bid systems. Tenderer shall submit two separate bids viz.

- a) Techno – Commercial Bid (Technical Bid) **and**
- b) Price Bid as under.

(a) Technical Bid: This shall be in sealed envelope. It shall be super scribed

Technical Bid: Tender No.	Name of Bidder:
----------------------------------	------------------------

It shall contain the following

- (i) six pages as mentioned in condition 1 above and

TENDERERS SHOULD FURNISH THE FOLLOWING DETAILS:

- [1] Technical Specifications(Part-II) and General Term & Conditions(Part -III) of Tender Document Duly Sign on each page by Authorized Signatory as token of his acceptance.
- [2] Audited Accounts of last three years of the firm.
- [3] Performance reports if any.

- [4] Consent letter from their principals to manufacture such items.
- [5] All the testing equipment MUST have been calibrated up to date.
- [6] List of customers

- (ii) All the information and supporting documents for (i) above
- (iii) Details, Documents, Literature, certificates etc. for the equipment / Material offered.

(b) Price Bid: This shall be in sealed envelope.

It shall contain offer price in the form specified in the tender document as Schedule- 'B'. The Printed Price list or price in different format will render the offer liable for rejection. **It shall be super –scribed as:**

Price Bid:	Tender No.:	Name of Bidder:
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c) EMD Envelope: This envelop shall contain the following:

Demand draft or Bank Guarantee, as the case may be, for EMD supporting document, as mentioned hereof, if bidder seeks exemption in EMD

It shall be super – scribed as :

EMD Envelop:	Tender No.:	Name of Bidder:
--------------	-------------	-----------------

d) Main Envelope: This envelope shall contain envelop of Technical bid, envelop of EMD and Price Bid. It shall be super – scribed as :

Main Envelop:	Tender No.:	Name of Bidder:
---------------	-------------	-----------------

The entire bid document (Main envelope mentioned above) should be submitted so as to reach this office not later than 02.00 P.M. on due Date as specified in the tender notice through RPAD / Speed post or Courier only

Incomplete bids and amendments and additions to bids after opening of the bids will be ignored out rightly.

The technical scrutiny committee of PDPU shall evaluate the techno-commercial view of the tender. PDPU reserves the right to open or not to open the price bid of the bidders on the basis of their past performance of their supplied materials.

The price bid of those who are techno-commercially acceptable shall only be opened.

3 PRICE EVALUATION:

Normally no price preference shall be given on any account. All tenders will be evaluated on firm price end-cost basis; The parties however shall give the detailed break-up of the end cost. If PDPU feels that there is lack of serious competition or for any other reasons, PDPU may negotiate with the bidder. PDPU’s decision to accept any or all tenders shall be final and binding on all the parties. However, the DG of PDPU or the Authorized committee at its sole discretion reserves the right to negotiate with other tenderer in case the

technical specification of some or all products are found to be superior.

4 EARNEST MONEY DEPOSIT: (E.M.D.)

E.M.D. is payable @1% of the value of the items offered. The EMD is payable by Demand Draft, of any Nationalized Banks, drawn in favor of the PANDIT DEENDAYAL PETROLEUM UNIVERSITY, payable at Ahmedabad. If the amount of EMD is more than Rs. 25000/- the same can be paid by an irrecoverable Bank Guarantee from any nationalized Bank in a standard format prescribed by PDPU (Format given in this tender document).

5 DELAYED AND LATE TENDERS:

No Tender shall be accepted / opened in any case which are received after due date and time of the receipt of tender irrespective of delay due to postal services or any other reasons and PDPU shall not assume any responsibility for late receipt of tender. Any correspondence in this matter will not be entertained.

6 PRICES:

The details of the price shall be given in Price Bid (Schedule-B) only and nowhere else. Prices quoted shall be FIRM and on F.O.R. Destination basis (i.e. PDPU,Gandhinagar). However, the Tenderer should indicate in the Price Bid, the break-up of Unit F.O.R. Destination Prices with break-up of Unit Ex-works price ,Excise duty, VAT/Sales Tax, Custom Duty, average freight, packing charges, and Insurance Charges. Tenderer should quote the Freight as well as Insurance Charges both separately as shown in price bid. Please note that payment of excise duty will be made only on Ex-Work prices. Also, please mention rate of Excise duty. If this is not specifically mentioned then PDPU will have the option to take the prices as exclusive of taxes and duties (at maximum slab rates) for the evaluation of the tenders.

The Tenderer should invariably indicate the total unit end cost price considering all their costs / calculations in the Price bid itself for each item and all sub-items if any. This is mandatory. Cost components hidden / furnished elsewhere will not be considered and will be ignored out-rightly.

Only for Traders - Tender:

[i] In case of a trader-**tender**, if the quotation is furnished for all inclusive rates and the rates of taxes and duties are indicated without indicating the amount, in such cases, the **price** is eligible for statutory variation.

[ii] Where the trader-**tender** quotes all inclusive rates without indicating the rate of Taxes and Duties included in the quoted price, the price is not eligible for any statutory variation.

7 REFUND / FORFIETURE OF E.M.D

EMD will be forfeited if (i) the tender, it covers, is withdrawn during the validity of the offer or (ii) the Tenderer fails to furnish / deposit the Performance Guarantee towards Execution Period (security deposit).

EMD of the unsuccessful tenderer's will be returned without intimation within 60 days of placing of the order to the successful Tenderer subject to the unsuccessful bidder returning the original receipt of the EMD together with the advance stamped receipt, to the Accounts Officer of PDPU.

EMD will be returned to the successful bidders, only on their submission of performance guarantee towards execution period against order released to them.

8 PERFORMANCE GUARANTEE (PG) TOWARDS EXECUTION PERIOD: (i.e. SECURITY DEPOSIT):

Successful tenderers will be required to pay an amount equivalent to 10% (Ten) of the value of the purchase order as Performance Guarantee (Security Deposit) within 10 days from the date of the purchase order failing which the purchase order is liable to be cancelled at the cost and the risk of the successful Tenderer (at the discretion of PDPU).

It can be paid by Demand Draft drawn in favour of PANDIT DEENDAYAL PETROLEUM UNIVERSITY payable at Ahmedabad or in the form of Bank Guarantee from Nationalized Bank if the amount is more than Rs.35,000/-.

The Bank Guarantee will be executed on the standard form prescribed by PDPU as APPENDIX - I.

The Bank Guarantee so furnished should have clear one time validity till the completion of the order in all respects. Bank Guarantee for Interim period will not be acceptable. If by any reasons the supply period is extended then the supplier shall undertake to renew the Bank Guarantee at least one month before the expiry of the validity failing which PDPU will be free to encash the same.

The successful bidder/s shall have also to furnish PG (as specified here of) for the contract value towards warranty / guarantee period separately as applicable as per tender conditions.

Performance Guarantee towards Execution Period (Security Deposit) will be returned on successful completion of the Order and only after the Performance Guarantee towards warranty/guarantee, as mentioned above, is submitted.

9 VALIDITY OF THE OFFERS:

The offers shall to be kept valid for a period of 120 days from the date of opening of technical bids. In case the finalization of the tender is likely to be delayed, the tenderers will be asked to extend the same without change in the prices or any terms and conditions of the offer. If any change is made, original or during the extended validity period, the offers will be liable for outright rejection without entering into further correspondence in this regard and no reference will also be made.

10 TRUCK RECEIPT (T.R) / AIRWAY BILL (A.B)

All the Goods should be dispatched freight paid and the A.B / T.R should be forwarded directly to PDPU Office at Raisan Village, Gandhinagar. The demurrage charges, if any, paid by the PDPU due to delay in informing PDPU or any other reason attributable to supplier, will be deducted from his bill. It is essential that packing notes and invoices are furnished in respect of every consignment.

The supplier will be responsible for any damages / shortage claim rejected by the respective Authorities for want of a clear A.B / T.R.

Materials may be dispatched by any convenient mode of transport and up to PDPU i.e. F.O.R Destination.

11 PACKING AND FORWARDING CHARGES:

The prices shall be inclusive of packing & forwarding charges. The Materials should be strongly and adequately packed to ensure safe arrival at destination. The materials dispatched from overseas by Air / Shipping should be packed such that it can withstand rough handling and possible corrosion due to exposure to salt laden atmosphere, salt spray

or open storage. All packing must be clearly marked with order Number and consignee's name and address.

12 TRANSIT INSURANCE:

All the materials will be required to be supplied up to Destination against all transit risks, such as damage, loss, theft, fire, etc. The insurance period shall cover 15 days after the date of receipt of materials at site to enable PDPU to check up stores fully. The suppliers will be responsible for free replacement of such stores which have been received short, damaged or broken within 15 days.

The cost of damaged, defective stores materials will however be deducted from the bills of the suppliers and will be refunded only after replacement thereof. It will be the responsibility of the supplier to lodge claim against the insurance on receiving necessary advice from PDPU.

13 ACCEPTANCE OF STORES:

The equipments/ materials to be supplied against this tender are subject to their acceptance by PDPU or any other Officer deputed for this purpose.

14 UNLOADING:

Unless specified otherwise in the purchase order, Unloading of the materials shall be arranged by PDPU.

15 STATUTORY VARIATION:

Any statutory increase or decrease in the taxes and duties subsequent to the offer under this tender if it takes place within the original contractual delivery date will be to PDPU account subject to the claim being supported by documentary evidence. No increase due to such variation shall be allowed for the portion of the delivery after the original contractual delivery date. However, if any decrease takes place after the contractual delivery date, the advantage will have to be passed on to PDPU.

16 PAYMENT TERMS :

A. In case of Domestic(i.e. Indian) Supplier the payment Terms as Under :-

- 70% of Payment only after proper verification of the delivered equipments by the vender.
- Remaining 30% Payment of invoice value within one month on successful installation, Commissioning and training.
- 100 % through Wire Transfer within 5 (five) Working Days after the date of Successful Commissioning and Installation of the System.

B. In case of Foreign Supplier the Payment Terms is as Under :-

- 90 % payment through Irrevocable Letter of Credit.
- 10 % payment through Wire Transfer within 5 (five) Working Days after the date of Successful Commissioning and Installation of the System.

OR

- 90% payment will be released through wire Transfer within 5 (five) Working Days after receipt of the material.
- 10% payment will be released through Wire Transfer within 5 (five) Working Days after the date of Successful Commissioning and Installation of the System.

OR

- 100 % through Wire Transfer within 5 (five) Working Days after the date of Successful Commissioning and Installation of the System.
- **Installation:** - The PDPU will be responsible to prepare the site for installation of

equipment. The vendor has to arrange for technician, other manpower, tools etc for installation and commissioning of the goods supplied by him.

17 REPEAT/ADDITIONAL ORDERS:

PDPU reserves the right to place repeat order / additional order on the successful tenderers up to 25% of the original quantity of the P O at the same prices, terms and conditions stipulated in the original contract during three months from the date of Purchase Order.

18 DELIVERY PERIOD:

The Tenderers will have to quote a firm delivery period subject to the force Majeure conditions as accepted by PDPU. Tenderer should mention their delivery period. Time being the essence of this tender, delivery period shall be strictly adhered to. Delay in execution of order on account of any reasons will be subject to levy of penalty.

19 PENALTY FOR LATE DELIVERY:

In case, the materials are not delivered within the period stipulated in the order, penalty shall be levied at ½% per week on the prices (End cost excluding taxes) subject to maximum 10% reckoned on the value of late delivered supplies.

Due consideration will be given to waive levy of penalty for the reasons absolutely beyond suppliers control for which documentary evidence will have to be provided. The request for extension in delivery giving reasons and supporting documents shall have to be made available within one month on completion of the supply, and no request to waive levy of penalty will be entertained / reviewed during the execution of order.

20 EXTENSION IN CONTRACTUAL DELIVERY DATE:

It will be supplier's responsibility to ensure that goods are delivered within the stipulated delivery period. However, if PDPU may consider extension of delivery period with or without statutory variations, for the reasons beyond the control of the tenderer and subject to the Penalty as mention hereof.

Such extension will be subject to the following conditions.

[a] No increase in price on account of any statutory increase in or fresh imposition of customs duty, excise duty, sales tax or on account of any other tax or duty shall be admissible on the material delivered after the original contractual delivery date.

[b] Notwithstanding any stipulation in the contract for increase in price on any other ground, no such increase which has become effective on or after the contractual delivery date shall be admissible on material delivered after the original contractual delivery date.

[c] Nevertheless, PDPU shall be entitled to the benefit of any decrease in price on account of reduction in or remission of customs duty, excise duty, sales tax or on account of any other tax or duty or on any other ground as stipulated in the P.O., which takes place on or after the contractual delivery date of the said P.O. for the material delivered after the original contractual delivery date.

21 REPLACEMENTS OF GOODS BROKEN, DAMAGED OR SHORT:

In the event of any material or part thereof found broken or damaged or received short during transit or during installation or Commissioning or testing at site, before

commissioning in service the suppliers shall replace the same free of cost. However, PDPU will recover amount equivalent to the cost of such damaged / broken / short supplied materials and will repay when actual replacement is given.

22 POST TENDER CORRESPONDENCE / ENQUIRIES:

The Tenderer will refrain from pursuing / canvassing the matter, directly or indirectly with any Office of PDPU as otherwise the same would amount to disqualification of the tender.

23 PDPU shall have the right to make any changes, additions / deletions or modifications in any terms / conditions or quantity of the tender and / or specifications as may be deemed necessary by PDPU at its sole discretion at any time before the due date of opening of the tender.

24 PDPU does not accept the printed conditions of any Tenderer. It will be ignored without any reference; hence tenderers should withdraw such printed conditions if they have any. PDPU shall accept only unconditional tender.

25 If technical deviations furnished by the Tenderer are not agreeable to PDPU, the offers may be ignored. However it will be solely at discretion of PDPU to consider the technical deviations OR not for considering the Tenderer. No correspondences of the Tenderer will be entertained in this matter.

26 Please indicate whether the goods offered are first sale or second sale so as to determine the payment of sales tax.

27 Revision of prices or any commercial terms affecting the price after opening of technical bids shall not be considered and will be ignored.

28 Tenderers shall indicate the name of their partners of their manufacturing firm.

29 Tenderer should specifically mention in the offers the name of the Partners / Proprietor / Directors who is / are the signing authority.

30 GUARANTEE:

If the goods, stores and equipments found defective due to bad design or workmanship the same should be repaired or replaced by the tenderer free of charge if reported within 18 months of their receipt at site or 12 months from the date of commissioning of equipments whichever is earlier. Tenderer will be responsible for the proper performance of the equipments / materials for the respective guarantee period.

31 APPROVAL:

The goods shall be subject to the approval of PDPU after receipt of the Material at site.

32 PDPU would prefer the offers from manufacturers directly. All the manufacturers should quote for those items, which are actually manufactured at / rolled by their plants. This should be strictly adhered.

PDPU reserves the right to inspect, suppliers factory at any time during the currency of the contract in case order is placed on supplier and also to inspect manufactured material before testing / packing / dispatch.

33 If in any company, the interest of any employee of the PDPU. or his relative as defined in Section VI of the Company's Act. 1956, is 10% or more, PDPU will not deal with such company at all. Tenderer therefore, must specifically disclose this fact in his technical Bid. Non-disclosure of such facts would disqualify the Tenderer for further dealing with PDPU.

34 TERMINATION OF CONTRACT:

In case, the supplier fails to deliver the stores / materials / equipments or any consignment thereof within contractual period of delivery or in case the stores are found not in

accordance with prescribed specification and/or the approved sample, PDPU shall exercise its discretionary power as under:

[a] To recover, from the supplier as agreed, by way of penalty clause above,

or

[b] To purchase from elsewhere, after giving notice of 15 days to the supplier, on his account and his risk

or

[c] To cancel the contract.

or

[d] PDPU at any time terminate the contract by giving written notice to the qualified Bidders/Tenderer without compensation to the qualified tenderer, if he become bankrupt or otherwise, insolvent or in case of dissolution of firm or winding up of company provided that such termination will not prejudice or effect any right of action or remedy which has thereafter to the University.

In the event of the risk purchase of stores of similar description, the opinion of PDPU shall be final. In the event of action taken under clause (a) or (b) above, the supplier shall be liable to pay for any loss which PDPU may sustain on this account

Further, "PDPU" reserves the right to terminate the Contract (i.e. Purchase order) at any time, without assigning any reasons, whatsoever, by giving a notice or not less than period of ONE month. Suppliers will not be entitled for any compensations / damages / losses, refund by PG whatsoever, on account of such termination of the Contract."

35 ARBITRATION:

All questions, disputes or differences whatsoever which may at any time arise between the parties to this agreement touching the agreement or subject matter thereof, arising out of or in relation to there and whether as to construction or otherwise shall be referred to the decision of the Sole Arbitrator, appointed by the PDPU, for that purpose, who shall be a retired High Court Judge or retired District and Sessions Judge, and the decision of the said Arbitrator shall be final and binding upon the parties. Reference to the arbitration shall be governed by the provisions of Indian Arbitration & Conciliation Act. 1996 as amended from time to time and the rules made there under.

36 JURISDICTION:

All questions, disputes or differences arising under, out of or in connection with the Tender / Contract shall be subject to the exclusive jurisdiction of Ahmedabad court.

37 If the tenderer is an Agent, he will have to give information and declare the name of the principal from which he will source the materials along with company's written confirmation about quality and backup performance guarantee. Only on getting complete information from Agent, such offer, if found suitable, shall be considered.

38 PDPU reserves the right to cancel any or all the offers / bids or to accept any offer without assigning any reasons.

In case PDPU finds that there is an attempt of cartel in the prices, PDPU reserves the right to consider or reject any or all the parties offers without assigning any reasons thereof.

39 PDPU reserves the right to increase or decrease the quantity against each item/s while placing the order.

40 The names of the Partners / Directors / Sole Proprietors and responsible person and his updated Address / Telephone, Fax Numbers etc. should be invariably mentioned in the

Annexure provided for this purpose in this document.

- 41 The Tenderer should give in his offer, the full name and address with phone, Fax & mobile numbers of the Authorized Representative to do liaison work with PDPU on their behalf.
- 42 The tenderers should invariably write the name and address of the Company, both on sealed covers of EMD, Technical & Price Bids. The tender covers without the name and address will not be opened.
- 43 The tenderers are required to furnish the technical information and the Guaranteed technical particulars (GTP) along with company seal and signature of the Tenderer on each and every page / papers of the tender documents.
- 44 Tenderer should invariably fill up all the details of all the Annexure/s including the prices in the Price Bid Annexure of this tender document and should be duly signed by authorized signatories with their rubber stamp and along with Company's seal / stamp affixed on each paper.
- 45 If the Tenderer fails to pay the Security Deposit or defaults in execution of the orders placed or if PDPU suffers any financial loss due to this, then PDPU will be at liberty to adjust the amount from other orders of the same firm or by encashing the Bank Guarantee.
- 46 All the tenderers must ensure that all the relevant documents / papers submitted with the tender should be serially numbered, properly bounded / tied together and properly documented.
- 47 All the above points should be complied by the Tenderers. If not, tenders are likely to be ignored without making any further reference.

-----x-----x-----x-----x-----

E. M. D. BANK GUARANTEE FORMAT

FOR TENDER NO. PDPU / _____ -

APPENDIX - I

(BANK GUARANTEE ON NON-JUDICIAL STAMP PAPER OF Rs.100/-)

Messer's WHEREAS _____ (Name & Address of the Firm) having their registered office at _____ (Address of the firms Registered office) (Hereinafter called the "Tenderer") wish to participate in the tender No. _____ for _____ of _____ (Supply/Erection/Supply & Erection Work) (Name of the material/equipment/Work) for _____ PANDIT DEENDAYAL PETROLEUM UNIVERSITY and WHEREAS a Bank Guarantee for (Hereinafter called the "Beneficiary") Rs. _____ (Amount of EMD) valid till _____ (Mention here date of validity of this guarantee which will be **4 (FOUR)** months beyond initial validity of Tender's offer) is required to **be submitted by the tenderer along with the tender.**

We, _____

(Name of the Bank and address of the Branch giving the Bank Guarantee)

having our registered office at _____ (Address of Bank's registered office) hereby give this Bank Guarantee No. _____ dated _____ and hereby agree unequivocally and Unconditionally to pay within 48 hours on demand in writing from the PANDIT DEENDAYAL PETROLEUM UNIVERSITY or any officer authorized by it in this behalf any amount not

exceeding Rs. _____ (Amount of E.M.D.), (Rupees _____
_____) (In words) to the said PANDIT DEENDAYAL PETROLEUM UNIVERSITY on behalf
of the Tenderer.

We _____ (Name of the Bank) also agree that withdrawal of the tender or
part thereof by the tenderer within its validity or Non submission of Security Deposit by the
Tenderer within one month from the date tender or a part thereof has been accepted by the
PANDIT DEENDAYAL PETROLEUM UNIVERSITY would constitute a default on the part of the
Tenderer and that this Bank Guarantee is liable to be invoked and encashed within its validity
by the Beneficiary in case of any occurrence of a default on the part of the Tenderer and that
the encashed amount is liable to be forfeited by the Beneficiary.

This agreement shall be valid and binding on this Bank upto and inclusive of
_____ (Mention here the date of validity of Bank) and shall not be terminable by
notice or by Guarantee) change in the constitution of the Bank or the firm of Tenderer Or by any
reason whatsoever and our liability hereunder shall not be impaired or discharged by any
extension of time or variations or alternations made, given, conceded with or without our
knowledge or consent by or between the tenderer and the PDPU.

NOT WITH STANDING anything contained hereinbefore our liability under this guarantee is
restricted to Rs. _____ (Amt. of E.M.D.) (Rupees _____
_____) (In words). Our Guarantee shall remain in force
till _____ (Date of validity of the Guarantee).

Place:

Date:

Please Mention here Complete Postal Address
of the Bank with Branch Code, Telephone and
Fax Nos.

SIGNATURE OF THE BANK'S
AUTHORISED SIGNATORY WITH
OFFICIAL SEAL

ON STAMP PAPER OF RS.100/-

FORM OF BANKER'S UNDERTAKING

**[For Performance Guarantees (PG) as per clause no.8 of commercial terms and
conditions]**

We, Bank of _____ hereby agree unequivocally and
unconditionally to pay within 48 hours on demand in writing from the **PANDIT DEENDAYAL
PETROLEUM UNIVERSITY**. or any Officer authorized by it in this behalf any amount up to and
not exceeding Rs. _____ (in words) Rupees _____
_____ to the said **PANDIT DEENDAYAL PETROLEUM UNIVERSITY** on
behalf on M/s. _____
_____ who have entered into a contract for the supply/works specified below:

P.O. (A/T) No. _____ dated _____.

This agreement shall be valid and binding on this Bank upto and inclusive of _____
and shall not be terminable by notice or by change in the constitution of the Bank or the firm of
Contractors / Suppliers or by any other reasons whatsoever and our liability hereunder shall
not be impaired or discharged by any extension of time or variations or alterations made, given

conceded or agreed, with or without our knowledge or consent, by or between parties to the said within written contract.

“NOTWITHSTANDING” anything contained herein before our liability under this guarantee is restricted to Rs. _____
(Rupees _____ only). Our guarantee shall remain in force until _____.

Place:

Date:

Please Mention here Complete Postal Address of the Bank with Branch Code, Telephone and Fax Nos.	SIGNATURE OF THE BANK'S AUTHORISED SIGNATORY WITH OFFICIAL ROUND SEAL
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ANNEXURE - 1

I / WE, confirm that following documents are attached with the technical bid of the offer and should be placed as a First page of offer.

Sr. No	Details	Confirmation (Tick \checkmark any one)
1	Firm's details as per "Annexure -2"	YES / NO
2	"Annexure -3"	YES / NO
3	Delivery schedule as per "Annexure- 4"	YES / NO
4	Past experience details as per "Annexure-7"	YES / NO
5	PDPU technical specification duly signed and with seal of firm.	YES / NO

6	Technical & Commercial Deviation- “Annexure-6”	YES / NO
7	Experience Certificate-“Annexure-7”	YES / NO
8	Conformation of Tender Condition-“Annexure-8”	YES / NO

Signature of the Tenderer

ANNEXURE - 2
DETAILS OF THE FIRM

Tenderer shall provide all the details in this form and shall be placed as a Second Page of the bid.

Supplier Name			
Within Gujarat / Outside Gujarat			
Pvt. Firm / Public Ltd. / State Govt. Under taking / Central Govt. undertaking		(Indicate the relevant status)	
GST No. and GST Date			
CST No. and CST Date			
Excise No. and Excise Date			
Financial Turnover for Past 3 Years (Rupees in Lacs (10 ⁵))	1 st Year	2 nd Year	3 rd Year
Custom No. and Date (If applicable)			
Address of	Registered Office	Factory / Works	Authorized Representative
Contact person name			
Designation			
Address			
City & Pin code			
State			
Country			
Phone Nos.(Off.)			
Phone Nos.(Res.)			
Fax Nos.			
STD Code.			
Mobile No.			
Web site address			
Email-id			
Specimen signature			

Signature of the Tenderer

ANNEXURE-3

Tenderer shall fill up following details and shall be **Third page** of the Technical Bid

1	PRICES: [FIRM ONLY] (Please Specify YES / NO.)	
2	EXCISE DUTY: [SINGLE SLAB ONLY] (Please Specify INCUSIVE / EXCLUSIVE / EXEMPTED)	_____ %
3	SALES TAX: [IN PERCENTAGE] (Please Specify INCUSIVE / EXCLUSIVE / EXEMPTED) Please quote your Sales Tax Registration No. & Date.	_____ %
4	PENALTY TERMS AGREED : (Please Specify YES / NO.)	
5	PERFORMANCE GUARANTEE TO COVER EXECUTION PERIOD (SECURITY) TERMS : AGREED: (Cl.no.8) (Please Specify YES / NO.)	
6	PERFORMANCE GUARNTEE TO COVER WARRANTY PERIOD TERMS AGREED: (Wherever applicable):(Please Specify YES / NO.)	
7	VALIDITY OF THE OFFER AGREED: (Please Specify YES / NO.)	
8	PAYMENT TERMS AGREED: (Please Specify YES / NO.)	
9	ITEMS OFFERED :(Yes/No)	

Signature of the Tenderer

ANNEXURE - 4

Details of the Items and Qty.offered as a **Fourth Page** of offer.

Sr. No.	Details of the Items / Equipments Offered	Quantity Offered	Status: Supplier/Manufacturer
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Signature of the Tenderer

ANNEXURE - 5

TECHNICAL AND COMMERCIAL DEVIATIONS IF ANY TO BE FURNISHED IN THIS ANNEXURE ONLY AND TO BE SUBMITTED WITH TECHNICAL BID.

We confirm that the product offered under this tender complies with all the Technical Specifications, except the deviations mentioned above.

We also confirm that there are no commercial deviations other than mentioned above

Signature of the Tenderer

ANNEXURE-6

DETAILS OF THE EXPERIENCE FOR SUPPLY OF SIMILAR TYPE OF ITEMS IN LAST THREE YEARS FROM THE DUE DATE OF TENDER:

Sr. No	ITEMS SUPPLIED TO	ORDER REFERENCE No. & DATE	ITEMS	Qty.	ORDER FULLY EXECUTED. YES/NO	STATUS, IF ORDER UNDER EXECUTION	REMARKS
1)							
2)							
3)							
4)							
5)							

Signature of the Tenderer

ANNEXURE - 7

Subject: Supply of _____

Reference: Tender enquiry No. PDP/ /
Due on date: / / 200 .

In connection with the above subject and reference I/ We confirm the following:

1. I / We, the undersigned have read and examined the Tender Specifications and commercial terms and conditions of tender under reference.
2. I / We, declare that our Technical Bid is strictly in line with the Tender specifications (except the deviations shown in Annexure No.7).
3. Further, I / We also agree that additional conditions / deviations, if any, found in the Commercial terms & conditions (except mentioned in the Annexure-7), our offer shall be outrightly rejected without assigning any reason thereof.

Seal of the Firm

**Signature of the Authorised
Representatives of the firm**

Date:

Name:

Status:

Name of the Tendering Firm / Agency:

PANDIT DEENDAYAL PETROLEUM UNIVERSITY
Raisan village, Koba-Gandhinagar High-way,
Gandhinagar – 382007, GUJARAT, INDIA

SCHEDULE - 'B' (Price Bid Format)

Sr. No	Description of materials with details of specification	PDPU Bid. qty.	Qty. offered by tenderer	Unit Ex-works In #.	Unit insurance charges in #.	Unit Freight & Packing charges in #.	Unit Custom Duty in #.	Unit Excise Duty in #.	GST in #.	Unit End Cost price in #.
1	2	3	4	5	6	7	8	9	10	11

Note :-

- '#' Tenderer shall mention the Currency.
- In case the price quoted in Foreign Currency (Other than INR), for the purpose of comparison the Exchange Rate prevailing on the date of opening of Price Bid as notified by Custom Department, Government of India will be considered.

Remarks:

I / We agree to supply the articles mentioned above at the rates herein tendered by me / us subject to the condition of this tender which I/We have carefully read, understood and agree.

I / We here by agree to keep this offer open for 120 days after the returnable date of the tenders and shall be bound by communication of acceptance dispatched within the prescribed time.

Date:

Yours sincerely,

(Signature of Tenderer)
(With Company's Round Seal)