SHARE SHAR

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

Due Date:

Material :SUPPLY OF TUBE BUNDLES

Tender Enquiry No: PROC/LF/PT/18365/21

Bid Bond Value : ITEM WISE BELOW

Attachment(if any) : YES

EVALUATION WILL BE CARRIED OUT ON ITEM WISE

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	Tender Spec. If
1	TUBE BUNDLE FOR EA-402 DWG NO: PP-DKN-630 AS PER ATTACHED TOR	1		Number					
2	TUBE BUNDLE FOR EA-602 DWG NO: PP-DKN-107 AS PER ATTACHED TOR	1	<u> </u>	Number					· · -
3	TUBE BUNDLE FOR EA-608 DWG NO: PPDKN-131 AS PER ATTACHED TOR	1		Number					
4	TUBE BUNDLE FOR EA-201 DRAWING #PP-DKN-628 AS PER ATTACHED TOR	1		Number				<u> </u>	

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.
BID VALIDITY 120 DAYS FROM TECHNICAL BID OPENING.DELIVERY IN 06 MONTHS FROM LPO ISSUE TO DAKHNI PLANT, JAND. BID BOND ITEM#1=RS.480,000/-,ITEM #2=RS.28,500/-, ITEM #3=30,000/-,ITEM #4=RS.60,000/-.PAYMENT AFTER DELIVERY & INSPECTION SITE.



OIL & GAS DEVELOPMENT COMPANY LIMITED PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD 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			
Original Bid Bond	Technical Bid	Yes	N₀		
Copy of NTN Certificate	Technical Bid	Yes	No		
Copy of GST Certificate	Technical Bid	Yes 🗌	No .		
Confirmation that the Firm is appearing on FBR's Active Taxpayer List	Technical Bid	Yes	No		
Duly signed and stamped #. resture-A (Un-prime,	Techni	: [_	: No		
Duly filled, signed and stamp of AnnaxureB	 Tಲನ್ : 1				
Duly filled, signed and stamped Annexure-D	Technical Bid	Yes	No		
Duly filled, signed and stamped Annexure-L on Company's Letterhead	Technical Bid	Yes 🗌	No		
Duly signed and stamped Annexure-M on Company's Letterhead	Technical Bid	Yes	No		
Duly signed and stamped Annexure–N on Non–Judicial Stamp Paper duly attested by Notary Public	Technical Bid	Yes	No		
Duly filled, signed and stamped Annexure-A (Priced)	Financial Bid	Yes	No		
Duly filled, signed and stamped Annexure-C	Financial Bid	Yes 🗌	No		
Duly filled, signed and stamped Annexure-E	Financial Bid	Yes	No		



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 preclosed through (IBFT & LFT) for which following information is required:

i.	IBAN No. (International Bank Account Number 24 Digite)
ii.	Vendor Name as per Title of their Bank Account
iii.	Contact No.of Company's CEO/ Owner (Mobile & Landline)
iv.	Bank Name.
v.	Back Ersch Name not

Name, Sign and Stamp of the authorized enfolationate biology

Specifications of Tube Bundles

Sr#	Description	Parameters	Shell Side	Tube Side
1	Amine Reboiler	Design Pressure	50 Psi	215 Psi
	EA-402	Design Temperature	138 °C	150 °C
	Type: AKU	Working Pressure		
		Working Temperature	122/122 °C	157/141 °C
		Tube sheet design temperature	150 °C	
		Hydrotest Pressure	75 Psi	323 Psi
		Fluid	20% DEA Solution	Hot oil
		Corrosion Allowance	3.2 mm	3.2 mm
		Welding efficiency	1	0.85
		X-ray	100%	Spot
		Stress Relieving	Yes	No
		No of passes	1	2
		Design Code: ASME Sec VIII Div 1 (Summer		
		85) TEMA R.		
		Additional code: NACE MR-0175,		
		Material U Tubes: SA-213 TP 316		
		Material Tube sheet: SA-182 F316		
		Material Baffles: SA-240 316		
		DWG No: PP-DKN-630		
2			240 Dei	220 5.1
2	NGL	Design Pressure	340 Psi	230 Psi
	Fractionator	Design Temperature	296 °C	344 °C
	Reboiler	Working Pressure	306 Psi	50 Psi
	EA-602	Working Temperature	265/281.7 °C	323.9/307.2 °C
	Type: BGU	Tube sheet design temperature	344 °C	
		Hydrotest Pressure	510 Psi	345 Psi
		Fluid	NGL	Hot Oil
		Corrosion Allowance	3.2 mm	3.2 mm
		Welding efficiency	0.85	0.85
		Radiography	Spot	Spot
		Stress Relieving	No	No
		No of passes	Split flow	2
		Design Code: ASME Sec VIII Div 1 (Summer		
		85) TEMA R.		
		Additional code: NACE MR-0175,		
		Material U Tubes: SA-179		
		Material Tube sheet: SA-105		
		Material Baffles: SA-285 Gr. C		
		DWG No: PP-DKN-107		

3	De-Butanizer	Design Pressure	235 Psi	160 Psi
	Reboiler	Design Temperature	202 °C	344 °C
	EA-608	Working Pressure	202 C 207 Psi	20 Psi
	Type: BGU	Working Temperature	182.2/186.1 °C	226.7/210 °C
	Type. DOO	Tube sheet design temperature	344 °C	344 °C
		Hydrotest Pressure	353 Psi	240 Psi
		Fluid	Natural Gasoline	Hot Oil
		Corrosion Allowance		
			3.2 mm	3.2 mm
		Welding efficiency	0.85	0.85
		Radiography Stress Baliaving	Spot	Spot
		Stress Relieving	No	No
		No of passes	Split Flow	2
		Design Code: ASME Sec VIII Div 1 (Summer		
		85) TEMA R.		
		Additional code: NACE MR-0175,		
		Material U Tubes: SA-179		
		Material Tube sheet: SA-105		
		Material Baffles: SA-285 Gr. C		
		DWG No: PP-DKN-131		
4	Sour Gas Cooler	Design Pressure	100 Psi	1265 Psi
-	EA-201	Design Temperature	68 °C	144 °C
	Type: AEU	Working Pressure		144 C
		Working Temperature	64/41 °C	35/47 °C
		Tube sheet design temperature	144 °C	55/47 C
		Hydrotest Pressure	150 Psi	1898 Psi
		Bubble Test	150 PSI	25 Psi
		Fluid	Cooling water	Sour gas
		Corrosion Allowance	3.2 mm	3.2 mm
			0.85	
		Welding efficiency		1 100%
		X-ray Stross Policying	Spot No	
		Stress Relieving		Yes
		Design Code: ASME Sec VIII Div 1 (Summer		
		85) TEMA R.		
		Additional code: NACE MR-0175,		
	1	Material U Tubes: SA-213 TP 316		
		Matarial Tuba aboats CA 102 5201		
		Material Tube sheet: SA-182 F304		
		Material Baffles: SA-240 304		

TERMS OF REFERENCES FOR SUPPLY AND FABRICATION OF TUBE BUNDLES

INSTALLED AT DAKHNI PLANT.

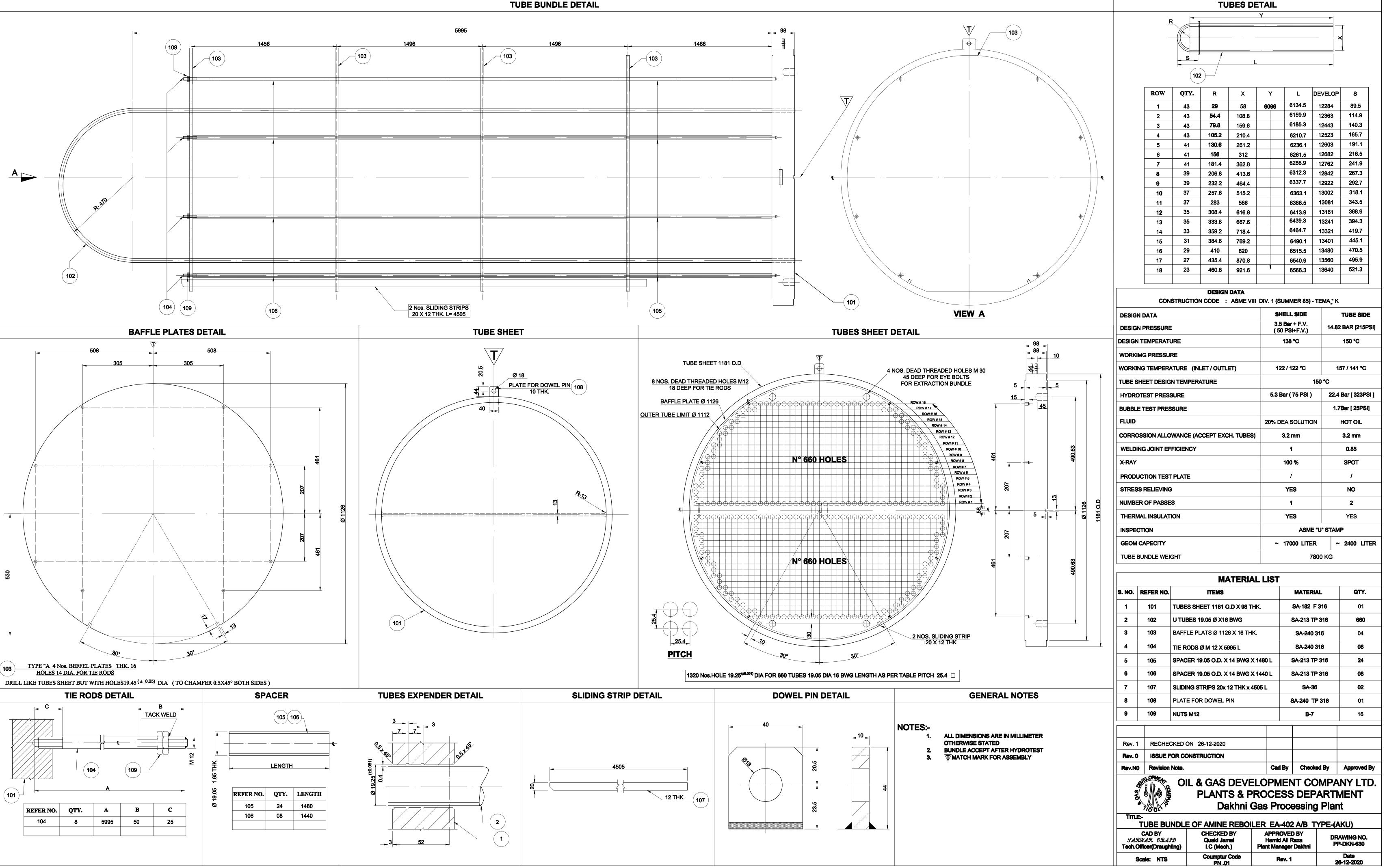
Sr#	Exchanger Description	Tag #	Drawing No	Туре
1.	AMINE REBOILER	EA-402	PP-DKN-630	AKU Type
2.	NGL FRACTIONATOR REBOILER	EA-602	PP-DKN-107	BGU Type
3.	DE-BUTANIZER REBOILER	EA-608	PP-DKN-131	BGU Type
4.	SOUR GAS COOLER	EA-201	PP-DKN-628	AEU Type

1. All the specifications / dimensions should be as per attached drawings

2. Bidder must review the drawings and if they have any query, they must be cleared 01 week before the opening date of technical bid.

3. Financial Evaluation will be made item wise.

- 4. Only U-stamp authorized manufacturers will be considered for technical evaluation. U Stamp certificate must be valid (minimum) since 2015. Copy of valid U Stamp certificate to be provide with technical bid.
- 5. U stamping of item#01 (EA-402 tube bundle) is required and all the cost of U stamping and its documentation/ drawings is in bidder scope.
- 6. Bidder should have experience of 05 years (2015~2020) for fabrication of high pressure vessels and heat exchangers. Also submit a list of its clients to which equipment of similar nature has been supplied most recently.
- 7. Tube material should be of American / European / Japanese origin and MTC's should be provide at the time of material inspection and to be provided with the shipment.
- 8. Stage inspections to be carried out at manufacturer site by OGDCL representative(s) and bidder will offer for inspection to OGDCL, at following stages;
 - a) After shipment of material and during fabrication.
 - b) Complete physical inspection, after completion of fabrication and before shipment of Tube Bundle.
- Guarantee / warrantee for the tube bundle for a period of 24 months after shipment. During this period if any leakage/workmanship problem is observed in the tube bundle, the bidder will rectify the problem without any additional material/logistic/services cost.
- 5. Delivery period: 06 months after issuance of LPO on FOR basis at Dakhni Plant.
- 6. All the above terms & conditions should be clearly confirmed in technical bid and any noncompliance with the above terms and conditions should also be clearly mentioned in the bid.



TUBE BUNDLE DETAIL

