



UCH COMPRESSION PROJECT



**Design Engineering, Procurement (Supply), Construction, Installation/Erection,
Pre-Commissioning, Commissioning & Start-up (including performance testing and Reliability Guarantee Test) of UCH Front End Compression Project**

Tender Enquiry No. PROC-FC/CB/PROJ/UCH (COM)-5155/2021

Pre-Bid Clarification-08

Sr. No.	Tender Document Reference	Description	OGDCL/ ENAR Response (13-Dec-2021)
1	-	Appendix-I (Soil Investigation Report) has not yet been provided, Kindly provide the same.	Already provided against Pre-Bid Clarification-04 dated 17-Nov-2021. Please refer the same.
2	Vol-II, IIB Mechanical 4985-PC-2201-4 (OVERALL PLOT PLAN)	The position of Blow case and new LP separator in bidding 4985-PC-2201-4.pdf (OVERALL PLOT PLAN) is inconsistent with that in Pre-Bid Clarification-05 4985-PC-2201-4.dwg (OVERALL PLOT PLAN), Please confirm which one is correct?	Referred LP Separators (955-V101A/B) as shown " un-clouded " on 4985-PC-2201-4.dwg are 'drafting error' and must not be considered. It should be noted that native file was provided for piping lengths estimation purpose only. Furthermore, 4985-PC-2201-4.pdf is 'part of tender' and shall be considered for preparation of bid proposal.
3	Appendix C Bid Price Schedule	The content of item 7, 8, 9, 9a, 9b, 9c in Appendix-C1 and Appendix-C2 is inconsistent. Heads of Appendix-C1 don't not match with Appendix-C2. Furthermore, as per notes of Appendix-C2, prices should be inclusive of sales tax where as under Appendix-C1, sales tax has been add under line item 9 and is being considered in total as well. item-11, 12, 13 of Appendix-C1 has been advised to exlcude from total where as same have been advised to include in total under line item-7, 8, 9, 10 of Appendix C-2, Kindly revise the format and provdie consistant Appendix-C1 and C2 to avoid any discrpancy at evaluation stage.	Duplication of items mentioned against Sr.Nos. 7, 8, 11, 12 & 13 are corrected. Please find attached revised 'Appendix-C' (Rev.1)
4	1.4 of ITB Section-II	After necessary liasion with Equipment Vendors, we have concluded that required project completion period i.e. 18 months is not enough at all, post covid, OEM of critical equipments have increased the delivery period due to increased demand of equipment and government instructions of extend compliance to work framework. Furthermore, you are well aware that UCH project site falls under hard areas of pakistan and construction, installation, commissioning time would be more than other areas of Pakistan. Mobilization of OEM experts during pre-commissioning and commissioning phase will need extended time period. Therefore, you are requested to extend project completion period to at least 22 to 24 months.	To be advised (by OGDCL)

BID PRICE SCHEDULE SUMMARY
DETAILED DESIGN, ENGINEERING, SUPPLY, CONSTRUCTION, INSTALLATION/ERECTION, TESTING, PRE-COMMISSIONING,
COMMISSIONING, PERFORMANCE TEST, RGT AND STARTUP OF UCH COMPRESSION PROJECT

BID PRICE SCHEDULE
TENDER ENQUIRY NO. PROC-FC/CB/PROJ/UCH(COM)-5155/2021

S. No.	Description	FOREIGN SUPPLY ON CFR BASIS (FOR FOREIGN BIDDER) OR FOREIGN SUPPLY ON EX-SITE BASIS (FOR LOCAL BIDDER)	LOCAL SUPPLY FOR BASIS (Ex-site)	SERVICES		TOTAL In Foreign Currency US\$ or *Yuan (*Only for Chinese Bidders)	TOTAL In Local Currency (In Pak Rs.)
		TOTAL PRICE In Foreign Currency US\$ or *Yuan (*Only for Chinese Bidders)	TOTAL PRICE In Local Currency (Pak Rs.)	In Foreign Currency US\$ or *Yuan (*Only for Chinese Bidders)	In Local Currency (Pak Rs.)		
SUPPLY							
1	PROCUREMENT (SUPPLY) OF EQUIPMENT AND MATERIAL						
2	OTHER GENERAL / MISCELLANEOUS ITEMS INCLUDING LUBRICANTS, OEM CONSUMABLES, FILLS CHARGE (UNTILL SUCCESSFUL COMPLETION OF RGT)						
SERVICES							
3	PROJECT MANAGEMENT CONTROL AND ADMINISTRATION SERVICES						
4	ENGINEERING						
5	FABRICATION, CONSTRUCTION & INSTALLATION						
6	INSURANCE BY EPCC DURING CONSTRUCTION, ERECTION & TESTING						
7	GENERAL SERVICES						
8	HOOK UP AND PRE-COMMISSIONING						
9	COMMISSIONING AND TESTING						
10	TRAINING AND DOCUMENTATION						
11	Sales Tax						
11a	Sales Tax on Local Supplies						
11b	Sales Tax on Local Services						
11c	Sales Tax on Foreign Services						
TOTAL (1 TO 10)							

Note:

- 1) Commercial Evaluation of bids will be undertaken based on quoted cost in Appendix C1.
- 1a) The quoted prices for imported material shall be inclusive of import taxes and duties. These duties as taxes shall be part of local services portion
- 2) Any demurrages or container detention charges/ penalties imposed by customs authorities will be borne by Contractor.
- 3) Only US Dollar or *Yuan (Only for Chinese Bidder) Prices to be quoted for Foreign Supply and foreign services (in case of foreign bidder)
- 4) Pak Rupees prices if applicable to any of the listed item / equipment must be quoted in the Form of Pak Rupees for Local Supply and local services.
- 5) All contingent and incidental material and equipment must be included in the relevant item in this Form to ensure completeness of the UCH Compression Project
- 6) For Financial Evaluation purposes, Local Currency component of the bid, will be converted in Foreign Currency component using the National Bank of Pakistan (NBP) exchange rate (Selling) prevailing on the date of commercial bid opening.
- 7) Imported equipment and materials supplies under the contract shall be fully insured against loss or damage by the manufacturer/supplier in the country of export and in Pakistan. However Marine insurance shall be arranged by OGDCL from NICL on behalf of the contractor from the port of loading till the port of discharge. These charges shall be recovered from the contractor on actual.
- 8) Insurance coverage for following Policies shall be from NICL only without any exception as part of local services portion
 - i- Construction/Erection/Testing All Risk
 - ii- Third Party Liability
 - iii- Employee/Workmen Compensation,
- 9) In case of Chinese Bidder/Firm foreign component of the bid to be quoted in Chinese currency (Yuan) & if the technical eligible and financially lowest bidder is a Chinese firm payment will only be made in Chinese currency (Yuan) for foreign portion of contract vide Government of Pakistan (finance division) letter no. F. No.2(54)EF-(B-IV)/2019-614 dated: 21th August 2019.

BID PRICE SCHEDULE SUMMARY**DETAILED DESIGN, ENGINEERING, SUPPLY, CONSTRUCTION, INSTALLATION/ERECTION, TESTING, PRE-COMMISSIONING, COMMISSIONING, PERFORMANCE TEST, RGT AND STARTUP OF UCH COMPRESSION PROJECT**

S. No.	DESCRIPTION	UOM	FOREIGN SUPPLY ON CFR BASIS (FOR FOREIGN BIDDER) OR FOREIGN SUPPLY ON EX-SITE BASIS (FOR LOCAL BIDDER)		LOCAL SUPPLY FOR BASIS (EX-SITE)		SERVICES		TOTAL Foreign Currency US\$ *Yuan (*Only for Chinese Bidders)	TOTAL Local Currency (In Pak Rs.)
			UNIT PRICE In Foreign Currency US\$ *Yuan (*Only for Chinese Bidders)	TOTAL PRICE In Foreign Currency US\$ *Yuan (*Only for Chinese Bidders)	UNIT PRICE In Local Currency (Pak Rs.)	TOTAL PRICE In Local Currency (Pak Rs.)	In Foreign Currency US\$ *Yuan (*Only for Chinese Bidders)	In Local Currency (Pak Rs.)		
SUPPLY										
1--	PROCUREMENT (SUPPLY) OF EQUIPMENT AND MATERIAL									
1.1	SUPPLY OF EQUIPMENT (Approved Vendor List attached)	Category								
1.1.1	Three (03) Centrifugal Turbo Compressor Packages complete in all respect	A								
a	Centrifugal Compressor Package									
b	Turbine Package									
c	Spare Rotor (01 No.)									
d	Turbo Compressor Package Instrumentation and Electrical									
e	Suction Scrubbers									
f	Trim coolers									
g	Compressor Package Control Panels for installation in Control Room									
h	One (01 No.) Engineering Laptop									
i	Supply of special maintenance operational startup testing and Lifting Devices (Break up to be provided)									
j	Any other item(s)									
1.1.2	One (01) combined Instrument Air & Nitrogen Generation Package	B								
1.1.3	One (01) no. of Fuel gas skid									
1.1.4	Two (02) nos. of Cooling Tower Pacakges									
1.1.5	Eighteen (18) nos. Hydrate injection skids									
1.1.6	One (01) no. Slug Catcher									
1.1.7	One (01) no. Utility Pump									
1.1.8	Two (02) nos. Produced Water pumps									
1.1.9	Two (02) nos. LP Condensate Separators									
1.1.10	One (01) no. Blow Case Vessel									
1.1.11	Modification in existing Flare System including all accessories/auxiliaries									
1.1.11(a)	Addition of One (01) Flare K.O. Drum									
1.1.11(b)	Replacement of existing One (01) no. flare tip package									
1.1.11(c)	Replacement of existing Flare Stack with relevant piping									

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1.1.12	Two (02) nos. Transformers	C								
1.1.13	MV & LV switchgear / MCC									
1.1.14	UPS System									
1.1.15	MV & LV Power and Control Cables, earthing cables etc.									
1.1.16	Instrumentation, Control, Fire and Gas cables etc.	D								
1.1.17	Fire Protection & Fighting System									
1.1.18	Fire and Gas Detectors & Devices.									
1.1.19	Plant Instrumentation bulk materials including complete Hook-up and Installatio Materials									
1.1.20	One (01 No.) Operator Workstation and One (01 No.) Engineering Workstation.									
1.1.21	All Equipment and Material Like Lighting Distribution Boards, Lighting Fixtures Internal Wiring & Connectors, Lighting Poles, Junction Boxes, Cable Glands, Cable Tray (Ladder Type), Welding Outlet etc.	E								
1.1.22	Piping Bulk Materials including pipes, pipe fittings, Valves etc.	F								
1.1.23	Commissioning & Start up Spares for whole facilities (Break up to be provided)									
1.1.24	Two years (After defect liability Period) recommended spares Parts list (subject to wear and tear as per OEM) with item wise prices of unit/system (optional) which shall not be part of financial evaluation **	G								
1.1.25	One year recommended spares Parts (subject to wear and tear as per OEM) and OEM Consumables with item wise prices of unit/system									
1.1.26	Other Equipment									

BID PRICE SCHEDULE SUMMARY**DETAILED DESIGN, ENGINEERING, SUPPLY, CONSTRUCTION, INSTALLATION/ERECTION, TESTING, PRE-COMMISSIONING,
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1.1.27	SUPPLY OF BULK MATERIALS (Local Vendors List of EDB to be followed)									
1.1.28	CIVIL									
1.1.29	STRUCTURAL AND MISCELLANEOUS STEEL									
1.1.30	PIPE SUPPORTS									
1.1.31	All Electrical Material Like Earthing & Lightning Material (earth pits, earth bars, earth electrodes, brach connectors etc.), Cathodic Protection Material (Transformer Rectifiers etc.), building electrification material, Power & Control Cable Accessories including Cable Lugs, Structure Supports, Cable Ties, Conduits, Route Markers, Cover Blocks/Bricks, Concrete Trenches, Slabs, Heat Tracing Material ets.									
1.1.32	PROTECTIVE COATINGS									
1.1.33	INSULATION									
1.1.34	OTHERS									
	TOTAL PRICE INCLUSIVE OF ALL TAXES (1)									
2--	OTHER GENERAL / MISCELLANEOUS ITEMS INCLUDING LUBRICANTS, OEM CONSUMABLES, FILLS CHARGE (TILL SUCCESSFUL COMPLETION OF RGT)									
	TOTAL PRICE INCLUSIVE OF ALL TAXES (2)									

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SERVICES										
3--	PROJECT MANAGEMENT, CONTROL AND ADMINISTRATION SERVICES									
i)	PROJECT MANAGEMENT									
ii)	PROJECT CONTROL AND ADMINISTRATION									
TOTAL PRICE INCLUSIVE OF ALL TAXES (3)										
4-	ENGINEERING									
4.1	VERIFICATION & VALIDATION OF FEED DOCUMENT									
4.2	DETAILED ENGINEERING									
4.2.1	Process									
4.2.2	Civil and Underground									
4.2.3	Piping									
4.2.4	Mechanical									
4.2.5	Dynamic Modelling and Study Report of Turbo-Compressor trains (Optional) **									
4.2.6	Structural Steel Sheds, Pipe Support Calculation, Structural Analysis and Detailed Fabrication Drawings									
4.2.7	3D Model, Piping Layouts & Piping Isometrics									
4.2.8	Painting									
4.2.9	Electrical									
4.2.10	Instrumentation and Controls									
4.2.11	Safety and Environmental									
4.2.12	Tie-ins									
4.2.13	Miscellaneous									
4.2.14	Site Engineering									
4.2.15	Kick-off Meeting									
4.2.16	Design Review Meeting									
4.2.17	HAZOP study									
4.2.18	Performance Test									
4.2.18 (a)	Compressor test as per ASME PTC-10	03 Nos.								
4.2.18 (b)	Turbine test as per ASME PTC-22	03 Nos.								
4.2.18 (c)	Turbine test for low BTU Fuel gas at OEM shop	03 Nos.								
4.2.18 (d)	Factory Acceptance Test (FAT) for Control system / DCS	03 Nos.								
4.2.18 (e)	Training for Control system / DCS at OEM shop									
4.2.19	Training at site									
4.2.20	Third party inspection charges									
TOTAL PRICE INCLUSIVE OF ALL TAXES (4)										

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5--	FABRICATION, CONSTRUCTION & INSTALLATION								
5.1	CIVIL WORKS, ERECTION AND CONSTRUCTION								
5.1.1	Civil & underground works								
5.1.2	Major Foundations (break-up to be provided by Bidder)								
5.1.3	Paving and Graveled Area.								
5.1.4	Main Pipe supports.								
5.1.5	Drainage								
5.1.6	Evaporation Pond								
5.1.7	Others (Specify)								
5.2	PLANT ELECTRICAL WORKS								
5.2.1	Transformers								
5.2.2	Switthgear/MCC, UPS System								
5.2.3	Lighting								
5.2.4	Cabling								
5.2.5	Earthing								
5.2.6	Connection								
5.2.7	Other (Specify)								
5.3	PLANT INSTRUMENT WORKS								
5.3.1	Instrumentataion								
5.3.2	Cabling								
5.3.3	Loop Test								
5.3.4	Inspection and Testing								
5.3.5	FINAL DOCUMENTATION								
5.3.6	Other (Specify)								
5.4	PLANT MECHANICAL WORKS								
5.4.1	Equipment On Foundations and Re-assemble								
5.4.2	Piping								
5.4.3	Main Pipe Spools								
5.4.4	Piping Connection and completion								
5.4.5	Minor Pipe Supports								
5.4.6	NDT works								
5.4.7	Hydro testing								
5.4.8	Painting and coating								
5.4.9	Insulation								
5.4.10	Supply, Fabrication, Erection, Painting and Testing of Blow-Case & LP Condensate Separators								
5.4.11	Steel work								
5.4.12	Tie-Ins								
5.4.13	Inspection and Testing								
5.4.14	Any other disciplines								
5.4.15	FINAL DOCUMENTATION								
5.5	Relocation works of Diesel Tank & allied systems in all respect								
5.6	Modification works in Flare System of UCH-II								
5.7	OEM supervision During Installation/ Erection of Turbo Compressor Packages								
5.8	Sum of local bulk supplies mentioned under section 1.2 above								
TOTAL PRICE INCLUSIVE OF ALL TAXES (5)									

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6--	INSURANCE BY EPCC DURING CONSTRUCTION, ERECTION & TESTING, Marine Insurance									
6.1	Construction/Erection/ Testing All Risk									
6.2	Third Party Liability									
6.3	Employee/Workmen Compensation									
6.4	Marine Insurance (Incase of local bidder Only) Local Services **									
	TOTAL PRICE INCLUSIVE OF ALL TAXES (6)									
7--	GENERAL SERVICES									
7.1	HSE AND SECURITY									
7.2	TEMPORARY CONSTRUCTION EQUIPMENT and CAMP									
7.2.1	Mobilization									
7.2.2	SITE Utilities									
7.2.3	SITE Facilities									
7.2.4	Construction Camp (If Applicable)									
7.2.4.1	Camp Construction									
7.2.4.2	Camp Administration and Operations									
7.2.4.3	Camp Maintenance									
7.2.4.4	Camp Waste Disposal									
7.2.4.5	Camp Communications System									
7.2.4.6	SITE / Camp Access and Transport									
7.2.4.7	Camp HSE and Security									
7.2.4.8	Dismantling and Removal of Camp									
7.2.4.9	Other (Specify)									
7.3	Custom Clearance and Port Charges (Local Services Portion)									
7.4	Custom Duties, Levies & Taxes (Local Services Portion)									
7.5	In land transportation of Foreign & Local Equipments as applicable (Local Services Portion)									
	TOTAL PRICE INCLUSIVE OF ALL TAXES (7)									

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8--	HOOK UP AND PRE-COMMISSIONING									
8.1	HOOK UP									
8.2	PRE-COMMISSIONING AND TEMPORARY PROTECTION									
	TOTAL PRICE INCLUSIVE OF ALL TAXES (8)									
9--	COMMISSIONING AND TESTING									
	TOTAL PRICE INCLUSIVE OF ALL TAXES (9)									
10--	TRAINING and DOCUMENTATION									
10.1	Pre commissioning Phase									
10.2	Commissioning Phase									
10.3	Performance Test at site									
10.4	Reliability Guarantee Test									
10.5	Site Training									
10.6	Documentation									
10.7	Other (Specify)									
	TOTAL PRICE INCLUSIVE OF ALL TAXES (10)									
	GRAND TOTAL (1 TO 10)									

Note.-

1- Bidder must provide item-wise and quantity wise cost (break-up) and BOQ for all the items and equipments mentioned in Sr. No. 1 as per the format.

2- Price shall be paid on actuals quantity but not exceeding this amount.

3- Local Supplies/Services must be quoted in Pak Rupees as payment shall be made in Pak Rupees through Inland LC or account payee cheque only.

4- Bidder has to provide separate item-wise Priced list of Commissioning and two years spare parts (on OEM Letterhead for 2 year spares) with following details to be provided:

- Main equipment details
- Name, address & fax nos. of manufacturers
- Item-wise unit price of all the items with quantities
- Item-wise unit price of spares with quantities

5- The prices shall include all taxes as per Tax Clause 28.0 of Condition of Contract.

6- In case of Chinese Bidder/Firm foreign component of the bid to be quoted in Chinese currency (Yuan) & if the technical eligible and financially lowest bidder is a Chinese firm payment will only be made in Chinese currency (Yuan) for foreign portion of contract vide Government of Pakistan (finance division) letter no. F.No.2(54)EF-(B-IV)/2019-614 dated: 21th August 2019

** The price of Item 1.1.24, 4.2.5 & 6.4 (Marine Insurance) above will not be included in commercial comparison and may or may not be included in value of order.