



OIL & GAS DEVELOPMENT COMPANY LIMITED

**PRE-QUALIFICATION OF PROCUREMENT AND
CONSTRUCTION (PC) CONTRACTORS FOR INSTALLATION,
ERECTION, FABRICATION OF WELLHEAD SURFACE
FACILITIES AND DISMANTLING, RELOCATION,
INSTALLATION, PRE-COMMISSIONING & COMMISSIONING
OF COMPRESSOR
FOR KHEWARI DEVELOPMENT PROJECT**

CONSULTANTS

APR, 2023



Petrochemical Engineering Consultants

FL-4/1, Block 5, Gulshan-E-Iqbal, Karachi-75300, Pakistan.

Telephones: +92 (21) 34827780, 34961088, Fax: +92 (21) 34961089

E-Mail: contact@pcec.com.pk web: www.pcec.com.pk

Disclaimer

This document has been prepared on behalf of OIL & GAS DEVELOPMENT COMPANY LIMITED (OGDCL) and for the exclusive use of OIL & GAS DEVELOPMENT COMPANY LIMITED (OGDCL) and is subject to and issued in accordance with the agreement between Petrochemical Engineering Consultants (PEC) and OGDCL. PEC accept no liability or responsibility whatsoever for it in respect of any use of or reliance upon this document by any third party.

Copying this document without the permission of Petrochemical Engineering Consultants and OGDCL is not permitted.

DOCUMENT REVIEW HISTORY							
REV	DESCRIPTION	ORIG	REVIEW	PEC APPROVAL	DATE	OGDCL APPROVAL	DATE
A	Issued for Tender	SAG	AJ	Adeel	13 Apr, 2023		

TABLE OF CONTENTS

SECTION – 0:

0.0 0904576-00-CRP-BTD-0001 Background & Introduction

SECTION – I:

1.0 0904576-00-CRP-BTD-0002 Invitation to Bid

SECTION – II:

2.0 0904576-00-CRP-ITB-0001 Terms of Reference (TOR)

ATTACHMENTS:

APPENDICES:

1. Appendix-A: PQ-PC Eligibility & Qualification Basis
2. Appendix-B.: PQ for PC Questionnaire

ANNEXUERS:

Annexure-I: Corporate & Financial Information

Annexure-II: Projects being executed

Annexure-III: 10 Years' Experience

Annexure-IV: Project Management and QA QC Systems

Annexure-V: Technical Support Services

Annexure-VI: HSE Details

Annexure-VII: Equipment and Machinery Details

Annexure-VIII: Format CVs

Annexure-IX: Location Map



OIL & GAS DEVELOPMENT COMPANY LIMITED

**TENDER ENQUIRY NO.: PROC-FC/CB/PROJ/KHEWARI-OGDCL-SCM-
FC-CB-PROJ-6666-2023**

(SECTION - 0)

BACKGROUND AND INTRODUCTION

**PRE-QUALIFICATION OF PROCUREMENT AND
CONSTRUCTION (PC) CONTRACTORS FOR INSTALLATION,
ERECTION, FABRICATION OF WELLHEAD SURFACE
FACILITIES AND DISMANTLING, RELOCATION,
INSTALLATION, PRE-COMMISSIONING & COMMISSIONING
OF COMPRESSOR
FOR KHEWARI DEVELOPMENT PROJECT
(0904576-00-CRP-BTD-0001)**



Disclaimer

Petrochemical Engineering Consultants

FL-4/1, Block 5, Gulshan-E-Iqbal, Karachi-75300, Pakistan.

Telephones: +92 (21) 34827780, 34961088, Fax: +92 (21) 34961089

E-Mail: contact@pcec.com.pk web: www.pcec.com.pk



This document has been prepared on behalf of (OGDCL) OIL & GAS DEVELOPMENT COMPANY LIMITED and for the exclusive use of (OGDCL) OIL & GAS DEVELOPMENT COMPANY LIMITED and is subject to and issued in accordance with the agreement between Petrochemical Engineering Consultants (PEC) and OGDCL. PEC accept no liability or responsibility whatsoever for it in respect of any use of or reliance upon this document by any third party.

Copying this document without the permission of Petrochemical Engineering Consultants is not permitted.

DOCUMENT REVIEW HISTORY							
REV	DESCRIPTION	ORIG	REVIEW	PEC APPROVAL	DATE	OGDCL APPROVAL	DATE
0	Issued for Tender	IM	AJ	Adeel	13th Apr, 2023	15-Apr-2023	

TABLE OF CONTENTS

S. NO.	DESCRIPTION	PAGE NO.
1.0	BACKGROUND & INTRODUCTION	04

	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Background and Introduction			
	Doc. No:	0904576-00-CRP-BTD-0001	Sec: 00	Page 1 of 2	

1.0 BACKGROUND AND INTRODUCTION

Oil & Gas Development Company Limited (OGDCL) is Pakistan's National & leading Exploration & Production company, having functions/operations at about 50 locations and fields in all the four provinces of Pakistan and is listed on both London Stock Exchange and Pakistan Stock Exchange. It is the market leader in terms of oil & gas reserves and oil & gas processing infrastructure while being actively engaged in exploration and drilling activities as well.

1.1 PROJECT LOCATION:

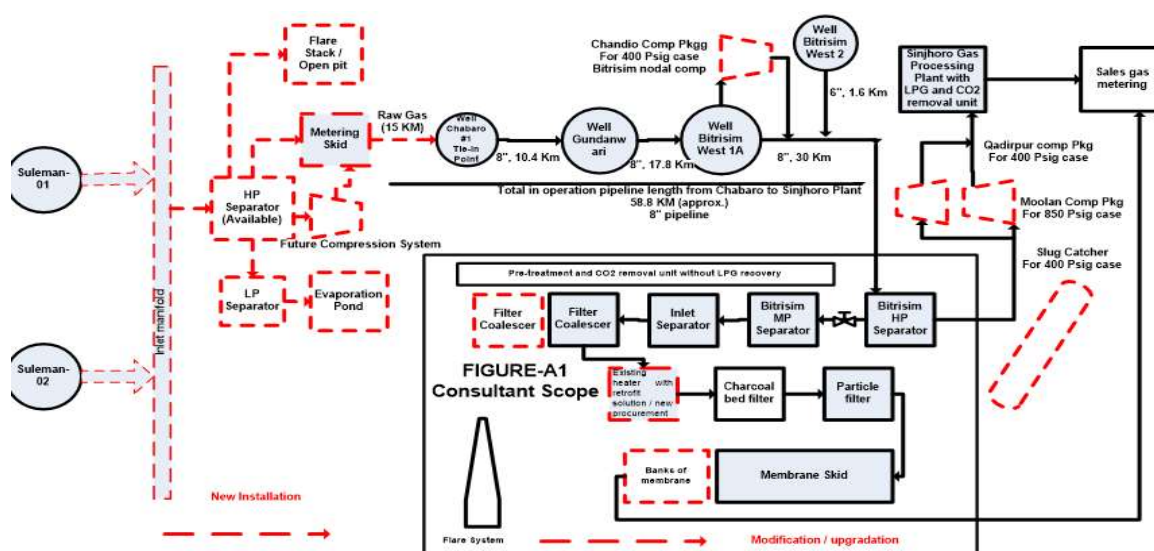
Khewari Project Gathering Facility is located in Khairpur District, Sindh Province. Suleman-02 is at a distance of approx. 1 km from Well Suleman-1. The location of Gathering facility is adjacent to Suleman Well-1. (Location Map is attached at Annexure-IX).



OGDCL Sinjhoru Gas & Condensate Field is located Near Rowtiani District Sanghar, in Sindh Province.

1.4 KHEWARI DEVELOPMENT PROJECT

The project comprises Installation of wellhead facilities & Gas Gathering facilities near Suleman-1, comprising of Separation System, gas metering, flare stack / open pit and water disposal system. Some modification / upgradation & addition in existing processing membrane train at Sinjhoru along with installation of Moolan compressor at Sinjhoru Plant.

Block / Schematic Diagram



	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Background and Introduction			
	Doc. No:	0904576-00-CRP-BTD-0001	Sec: 00	Page 2 of 2	

OGDCL engaged the engineering consultant M/s PEC for carrying out the following package wise design with following engineering design documents:

- Wellhead suleman-1
- Wellhead suleman-2
- Pipelines
 - Suleman-1 to Suleman-2 (approx. 1km)
 - Suleman-1 to Chabaro tie-in (approx. 15.9 km)
- Gathering facilities
- Tie-in at Chabaro
- Study in order to assess options for processing of Suleman well fluids (Suleman-1 & 2) at Sinjhor plant through Chabaro trunk line considering all others wells connected to trunk line (Chabaro, Gundanwari, Bitrism west-1A and Bitrism west-2).

OGDCL intends to engage a PROCUREMENT and CONSTRUCTION (PC) Contractor for Installation, Fabrication, Erection, Testing and Commissioning of Piping works associated with Well Head Surface facility, Gathering Facility, Relocation and Installation of Moolan Compressor at Sinjhor Plant.



OIL & GAS DEVELOPMENT COMPANY LIMITED

**TENDER ENQUIRY NO.: PROC-FC/CB/PROJ/KHEWARI-OGDCL- SCM-
FC-CB-PROJ-6666-2023**

(SECTION - I)

INVITATION TO BID

FOR

**PRE-QUALIFICATION OF PROCUREMENT AND
CONSTRUCTION (PC) CONTRACTORS FOR INSTALLATION,
ERECTION, FABRICATION, CONSTRUCTION OF WELLHEAD
SURFACE FACILITIES AND FLOWLINES ALONG WITH
DISMANTLING, RELOCATION, INSTALLATION OF
COMPRESSOR, PRE-COMMISSIONING & COMMISSIONING
FOR KHEWARI DEVELOPMENT PROJECT
(0904576-00-CRP-BTD-0002)**

CONSULTANTS

APR, 2023



Petrochemical Engineering Consultants

FL-4/1, Block 5, Gulshan-E-Iqbal, Karachi-75300, Pakistan.

Telephones: +92 (21) 34827780, 34961088, Fax: +92 (21) 34961089

E-Mail: contact@pcec.com.pk web: www.pcec.com.pk

Disclaimer



This document has been prepared on behalf of (OGDCL) OIL & GAS DEVELOPMENT COMPANY LIMITED and for the exclusive use of (OGDCL) OIL & GAS DEVELOPMENT COMPANY LIMITED and is subject to and issued in accordance with the agreement between Petrochemical Engineering Consultants (PEC) and OGDCL. PEC accept no liability or responsibility whatsoever for it in respect of any use of or reliance upon this document by any third party.

Copying this document without the permission of Petrochemical Engineering Consultants is not permitted.

DOCUMENT REVIEW HISTORY							
REV	DESCRIPTION	ORIG	REVIEW	PEC APPROVAL	DATE	OGDCL APPROVAL	DATE
A	Issued for Tender	_____	_____	_____	13th Apr - 2023	_____	
		IM	AJ	Adeel			

TABLE OF CONTENTS

S. NO.	DESCRIPTION	PAGE NO.
1.0	INVITATION TO BID	04

	KHEWARI DEVELOPMENT PROJECT				 Petrochemical Engineering Consultants
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 1 of 1	

(To be typed on OGDCL Letter Head)

Date: (of Issuance of Invitation)

Subject: **INVITATION FOR BIDS (IFB), SECTION - I**

Dear Sirs,

The Oil & Gas Development Company Limited (OGDCL), Pakistan intends to install wellhead surface facilities, gathering facilities, surface piping and Compressor relocation. For implementation of the project OGDCL through this Invitation to Bid, invites parties to participate in Pre Qualification process for “KHEWARI DEVELOPMENT PROJECT” by submitting required documents as per instructions given in **Section-II** of this Tender Document.

1. OGDCL has appointed Petrochemical Engineering Consultants (PEC) as Engineering Consultant for conducting Conceptual & Feasibility Study, FEED Study, HAZOP and Detailed Engineering Design as well as Tendering services, Project Management and construction supervision to ensure completion of the project complying with technical specifications.
2. You are required, within one (1) week of issuance of this Notice submit required documents. Clarification, or any other information, if required can be obtained by addressing Petrochemical Engineering Consultants with c.c. to the following OGDCL personnel whose addresses are given below:



Clarifications shall be addressed to:

Project Manager
Petrochemical Engineering Consultants
FL-4/1, Block 5, Gulshan-E-Iqbal, Karachi-75300, Pakistan.
Telephone: +92 (21) 34827780
Email: adeel@pcec.com.pk,

Clarifications shall be copied to:

Manager (Projects)
Oil and Gas Development Company Limited
OGDCL House, Jinnah Avenue Blue Area, Islamabad, Pakistan
Telephone: +92-51-920023596
E-mail: ali_mirani@ogdcl.com

Project Coordinator

	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 2 of 1	

Oil and Gas Development Company Limited
 OGDCL House, Jinnah Avenue Blue Area, Islamabad, Pakistan
 Telephone: +92-51-920024139
 E-mail: faisal_mumtaz@ogdcl.com

Manager (Supply Chain Management) (Foreign)
 Oil and Gas Development Company Limited
 OGDCL House, Jinnah Avenue Blue Area, Islamabad, Pakistan
 Telephone: +92-51-920023780
 E-mail: Ejaz_rizvi@ogdcl.com

Sr. Procurement Officer (Supply Chain Management) (Foreign)
 Oil and Gas Development Company Limited
 OGDCL House, Jinnah Avenue Blue Area, Islamabad, Pakistan
 Telephone: +92-51-920022139
 E-mail: obaid_sikander@ogdcl.com

3. Bidders are required to submit hard and soft copy of Pre-Qualification Documents (Bid) as described in Eligibility & Qualification Basis Appendix-B by **02-May-2023**, as stipulated in tender notice.
4. OGDCL reserves the right to accept or reject any bid or part of a bid and to annul the Pre-Qualification process and reject all proposals at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders.
5. Tender Documents will be issued to Only Pre -Qualified Bidder who shall meet all terms and condition of this Pre-Qualification documents.



Kindly acknowledge receipt of the documents by return email to the undersigned.

Thanking you,

Truly yours,

for OIL & GAS DEVELOPMENT COMPANY LTD.

()

	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 3 of 1	



OIL & GAS DEVELOPMENT COMPANY LIMITED



**TENDER ENQUIRY NO.: PROC-FC/CB/PROJ/KHEWARI- OGDCL- SCM-
FC-CB-PROJ-6666-2023**

(SECTION - II)

TERMS OF REFERENCE (TOR)

FOR

**PRE-QUALIFICATION OF CONSTRUCTION CONTRACTORS
FOR INSTALLATION, ERECTION, FABRICATION,
CONSTRUCTION OF WELLHEAD SURFACE FACILITIES AND
FLOWLINES ALONG WITH DISMANTLING, RELOCATION,
INSTALLATION OF COMPRESSOR, PRE-COMMISSIONING &
COMMISSIONING FOR KHEWARI DEVELOPMENT PROJECT
(CONSTRUCTION)**

	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 4 of 1	

(0904576-00-CRP -BTD-0003)

CONSULTANTS

FEB, 2023



Petrochemical Engineering Consultants

FL-4/1, Block 5, Gulshan-E-Iqbal, Karachi-75300, Pakistan.

Telephones: +92 (21) 34827780, 34961088, Fax: +92 (21) 34961089



E-Mail: contact@pcec.com.pk web: www.pcec.com.pk

Disclaimer

This document has been prepared on behalf of (OGDCL) OIL & GAS DEVELOPMENT COMPANY LIMITED and for the exclusive use of (OGDCL) OIL & GAS DEVELOPMENT COMPANY LIMITED and is subject to and issued in accordance with the agreement between Petrochemical Engineering Consultants (PEC) and OGDCL. PEC accept no liability or responsibility whatsoever for it in respect of any use of or reliance upon this document by any third party.

Copying this document without the permission of Petrochemical Engineering Consultants is not permitted.

DOCUMENT REVIEW HISTORY							
REV	DESCRIPTION	ORIG	REVIEW	PEC APPROVAL	DATE	OGDCL APPROVAL	DATE
A	Issued for Tender	IM	AJ	Adeel	13th Feb, 2023		

	KHEWARI DEVELOPMENT PROJECT			
	Doc. Title:	Tender Document – Conditions of Contract		
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	

1.0 GENERAL

1.1. Project Background and Description

Oil & Gas Development Company Limited (OGDCL) is Pakistan's National & leading Exploration & Production company, having functions/operations at about 50 locations and fields in all the four provinces of Pakistan and is listed on both London Stock Exchange and Pakistan Stock Exchange. It is the market leader in terms of oil and gas reserves and oil & gas processing infrastructure while being actively engaged in exploration and drilling activities as well.



The project comprises Installation of wellhead facilities & Gas Gathering facilities near Suleman-1, comprising of Separation System, gas metering, flare stack / open pit and water disposal system. Some modification / upgradation & addition in existing processing membrane train at Sinjhoru along with shifting and installation of Moolan compressor at Sinjhoru Plant.

OGDCL intends to engage a PROCUREMENT and CONSTRUCTION (PC) Contractor for Piping Fabrication, Installation and Erection Works including Dismantling, Relocation, Transportation, Installation, Pre-Commissioning & Commissioning of Moolan Compressor at Sinjhoru Plant.

2.0 SCOPE OF WORK:

The project comprises Installation of wellhead facilities & Gas Gathering facilities near Suleman-1, comprising of Separation System, Gas Gathering, Metering System and Tie at Chabaro Well Head. Connecting Pipeline from Suleman -01 Gathering to Chabaro is not part of Contractor scope however all Testing Fabrication, Installation of all surface piping, fittings and instruments till riser at both ends is included in Contractor scope.

Some modification / upgradation & addition in existing processing membrane train at Sinjhoru along with installation of Moolan compressor at Sinjhoru Plant. Dismantling, Preservation and Relocation of Compressor currently available at Moolan Well head located at approx. distance of 200 km from Sinjhoru Plant. Contractor is required to perform Visual Inspection and identify any shortcoming

	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 6 of 1	

which may appears as limitation in smooth operation of the compressor. Contractor shall also fill fresh consumable of compressor and engine and make the package ready for commissioning and Start Up.

Contractor shall perform Mechanical, electrical and Controls Hook Up of compressor at Sinjhorro Plant along with associated piping fabrication Installation, Commissioning and Testing works.

3.0 KHEWARI DEVELOPMENT PROJECT SCOPE OF WORK



The project comprises the following major jobs to be carried out as per new proposed scheme of processing of Suleman fluids at Sinjhorro Plant.

- i. Construction of Wellhead Facilities at Suleman-1 & Suleman-2 wells
- ii. Construction of Gathering Facility (near Suleman-1) comprising of HP & LP Separators, Metering Skid, Flare Stack and Evaporation Pond with Geo Membrane.
- iii. Dismantling, Shifting / Relocation, Installation, construction, fabrication of piping, control panel etc. pre-commissioning & commissioning/statup of Moolan Compressor at Sinjhorro Plant.

4.0 CONTRACTOR SCOPE OF WORK:

The SCOPE OF WORKS for the FACILITIES and ancillaries shall be considered as a guide for CONTRACTOR and the requirements referred to herein shall be taken as minimum requirements. The SCOPE OF WORKS is not intended to limit or restrict the obligations of CONTRACTOR in respect of the execution of the WORKS and no one part of the SCOPE OF WORKS shall limit any other part of the SCOPE OF WORKS or any of the SPECIFICATIONS nor the responsibilities of CONTRACTOR in respect thereof.

- a. Piping, Fabrications, Installation of Wellhead Control Panel, Chemical Injection Package provided by OGDCL Erection works at Wellhead (Suleman 1&2 wells) Complete in all aspects.
- b. Piping, Fabrications, Installation Erection works at Wellhead Gathering Facility and tie-in with 6” dia flow line with well heads at Suleman-1, Suleman-2 and Gathering Facility near Suleman-1, Tie-In 6” dia pipeline with 8" Trunk Line at Chabaro Tie-in point complete in all aspects.
- c. Some modification / upgradation & addition in existing processing membrane train (includes Filter Coalescer, Water Bath Heater and Membrane Banks) at Sinjhorro along with installation of Moolan compressor at Sinjhorro Plant.
- d. Dismantling, Shifting, Piping, Fabrications, Installation (Inspection, Cleaning and Testing), Erection works for Moolan Compressor at Sinjhorro Plant.
- e. Testing, Pre-commissioning, Commissioning and Startup of Compressor

	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 7 of 1	

- f. Mechanical Completion.
- g. CONTRACTOR shall be responsible for all construction activities required for a fully functional Gas Compression Facility(s).
- h. CONTRACTOR shall be responsible for detailed mechanical construction works including but not limited to all piping, pipeline, insulation, Pressure vessels, Separators, Knockout drum, Flare Stack etc. It will also include the requirements of hoist, lifting beams, trolleys, etc.
- i. CONTRACTOR shall provide Details of approach for the Tie-in construction work with the existing facility including tie-in methodology.
- j. CONTRACTOR shall set out the PROJECT EXECUTION PLAN for all temporary and PERMANENT works along with construction, fabrication and Execution plan.



5.0 PIPING WORK

The contractor shall be liable for all activities including pre-commissioning, commissioning, hookup & startup of equipment supplied under its scope or new items free-issued by the company. Whereas, all activities including pre-commissioning & mechanical completion of the relocated items shall be the Contractor's scope. Contractor shall be responsible for completing all the works of the relocated plant to the true intent of "Ready for Commissioning" stage.

At the time of contract award to Qualified bidder, the Company shall provide the Contractor, Drawings and corresponding material. The Contractor shall verify the Company provided material against BOQ and Drawings and identify any additional quantities of materials/work if required.

The Contractor shall be responsible for all the dismantling/relocation/transportation or procurement/supply of piping bulk material within the project timeline as mentioned in section 5 of Scope of Work. The dismantled/procured/supplied material shall be leak tested/inspected for damage during shipping/transportation prior to undertaking any kind of fabrication, construction and installation/erection work at site and its premises. Any defect found during inspection of Contractor procured material/equipment shall be replaced by the Contractor at its own cost with no effect to the Company. For Contractor's supplied/procured material all cost including but not limited to shipping/taxes/withholding/logistics etc. shall be considered as part of the price quoted in the Contractor's commercial bid.

The transportation of Contractor's dismantled/supplied/procured equipment/material etc. shall also be the responsibility of the Contractor. Any repair/ maintenance or earth works/compaction that may be required for the transport of material/equipment are included in Contractor's scope. No claims for additional works in this regard shall be entertained by the Company.

	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 8 of 1	



Contractor shall be responsible for but not limited to furnishing all labor, materials, necessary equipment, consumables and non-consumables, services, miscellaneous and necessary items required to satisfactorily complete the mechanical works for the Project.

The Contractor shall be responsible for the protection against mechanical damage and damage from weather conditions until successful commissioning and hand over to the Company. Any costs incurred as a result of weather protection and damage shall be at the account of the Contractor and company accepts no responsibility whatsoever from the date of establishment of letter of Credit to the date of final handover/ commissioning/ acceptance at the Sinjhor Gas and Condensate facility.

Piping work mainly comprises of but not limited to the installation of all equipment to be supplied by OGDCL as well as the equipment to be installed and procured new by the Contractor (If required) along with complete interconnecting piping between all equipment at Wellheads and at Sinjhor Plant

Note: The term 'piping' for the purpose of this scope of work includes the following, but not limited to:



- Pipes and fittings
- All types of valves and actuators
- PSVs, PRVs, ESDV, BDV
- Piping hardware (Nuts, bolts, studs, gaskets, isolation kits etc.)
- Spectacle blanks and blinds
- All types of flanges
- Restriction orifices, rupture discs
- Expansion joints, flexible hoses etc.
- Strainers
- Injection nozzles
- Corrosion Coupons
- Any other items as specifically mentioned in the P&IDs
- All types of pipes support including hangers supports and any other special supports which shall be required, as a result of detailed engineering & design, and thermal & stress analysis, to meet process and performance requirements of the Plant, and as per specification and relevant codes & standards of plant piping.
- Painting, coating, insulation (hot, cold, personal protection etc.) of complete plant piping in accordance with design and process requirements, and as per applicable codes & standards.

	KHEWARI DEVELOPMENT PROJECT			
	Doc. Title:	Tender Document – Conditions of Contract		
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	

For details, BOQs for Installation works shall be provided to qualified bidders.

6.0 **General Requirements:**

- Equipment shall be handled using manufacturer's recommended lifting points or approved techniques from Company, along with a detail rigging study done by the Contractor;
- Prior to equipment procurement, foundation location, orientation, elevation and anchor bolt locations shall be checked and verified.
- Items that may be damaged during equipment installation/transportation & relocation (sight glasses, gauges, davits, thermo-wells, earthing cables etc.) shall be removed and temporarily stored. All openings, bearing surfaces and threads shall be protected;
- The connected piping shall be arranged and supported in such a manner that no strain is imposed on the equipment both and nozzles during hydro testing and operation;
- The 3rd party test certificates of the lifting equipment cranes, fork-lifters, slings, shackles etc. shall be checked and verified by the safety officer, prior to starting equipment erection;
- Erection of all equipment shall be carried out under the supervision of qualified, experienced construction supervisor and safety officer;
- In the event that some components of an equipment are dismantled and transported loose by the Vendor/Supplier of procured equipment, then the Contractor shall assemble all these loose components at its own cost with the recommended procedure as provided by the vendor/supplier. Contractor shall be responsible to invite the Company representative to witness such assembling procedures.
- Contractor shall provide skilled work force for the pre-commissioning & commissioning services for the complete relocated Compressor as well as the new installations at Sinjhoru under Contractors scope and the equipment included therein. If the work force competency level is not as per Company's satisfaction the Contractor will immediately replace such work force with the competent one.
- No nozzles or other vital attachments on the equipment being lifted shall be used as supporting or lifting points other than those which have been specifically designed and designated for the purpose.
- Contractor shall be responsible for all the works deemed necessary for the uninterrupted operation of the equipment.



	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 10 of 1	

- Contractor shall be responsible for all the works needed for Tie-ins as specified in the relevant construction documents that shall be provided to Qualified bidder.

7.0 Piping Fabrication & Erection



Contractor's Scope of Works shall include the following, as a minimum:

- Dismantle, Clean, Test/Inspect, Transport/Relocate, Procure/supply, Fabricate, erect and pressure test all piping work as per Contract Specifications.
- The fabrication of buried piping as well as arrangements for the laying of the buried piping as per the specifications attached with the documents herein.
- Supply of all consumables, non-consumables, temporary materials including all tools and tackles, skilled labor/workforce required for the execution of the job.
- Welding procedure and welder's qualification, prior to commencement of production welding.
- Prepare all weld procedures or adopt existing procedures and qualify them in accordance with Contract Specifications and Procedures.
- Prepare heat treatment procedure as per ASME standards and submit to Company for approval.
- It is Contractor's responsibility to carry out any weld repairs.
- Fabrication, installation, testing coating, painting of piping systems under the supervision of an experienced and qualified construction supervisor and QA/QC engineer.
- Take precaution during the installation of pipe works connected to equipment, to avoid excessive forces and moments on nozzles. Supports shall be provided as per the relevant construction drawings for piping connected to equipment to compensate for thermal expansion.
- Welding of dog-legs, cleats, or other devices to pipe for alignment purposes or for handling is strictly prohibited. Any devices used for fit up of pipe for welding or flanging must be approved by Company;
- Preparation and completion of all painting, coating and insulation procedures as specified in the specification attached along with the

	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 11 of 1	

document herein, including painting and insulation on existing lines where required.

- The Contractor shall be responsible for control of wastage of material. The Contractor shall be responsible for preparation of cutting plan and control of cut length of pipe for optimum utilization of Pipe material. Company shall only pay for the installed quantities in accordance with the drawings.
- Contractor shall provide a Fire Watch and at least one fire extinguisher at every hot work location. The Fire Watch shall be in compliance with Company requirements.
- Contractor shall comply with the Welding specifications as per ASME Section IX,.
- Responsibility of the all work until hand over to the Company shall remain with the Contractor.
- All welders shall be qualified to weld in accordance with the approved Welding Procedure Specifications (WPS) and shall be a Company approved welder. Should the welder be not a Company approved welder then he shall undergo welder test, which shall be witnessed by Company. Any cost incurred for the welder test shall be borne by the Contractor. Company reserves the right to reject any welder that is deemed not suitable or competent for the work, without assigning any reason. The Contractor shall, at the earliest, replace the individual with a competent one.
- It is advised to pre-fabricate pipe assemblies, perform NDT and hydrostatic test at Contractor's fabrication yard where applicable and possible.
- Contractor shall provide the manpower, material, equipment and arrangement of Non-Destructive Testing (NDT). All fillet welds shall be Dry Penetrant tested.
- All required testing shall be reviewed and verified by Company authorized inspector with two (2) days early notification.
- Contractor shall carry out the PWHT of all process lines where required. PWHT shall be carried out according to heat treatment procedures which shall meet the requirements of relevant codes and standards i.e., ASME Section VIII and NACE requirement. Contractor shall submit the PWHT execution procedure for Company/ Company Representative for approval.

	KHEWARI DEVELOPMENT PROJECT				
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 12 of 1	

- Contractor shall make arrangements for radiography of welds as required to complete the fabrication/erection of the complete piping works involved for the completion of the Installation of Moolan Compressor at Sinjhoru Plant.

Since Sinjhoru Gas and Condensate facility shall be operational to its full capacity therefore the Contractor shall take all the necessary precautions and identify the hazards and ways to mitigate them in order to complete the hot work safely. Contractor shall comply with all requirements of efficient SIMOP (Simultaneous Operations). All contractor personnel shall abide by Company Health and Safety rules and regulations.



8.0 Equipment To be Shifted

List of equipment to be shifted from other fields are tabulated below:

S. No.	Equipment / Material	From	To
1	Moolan compressor	Moolan wellhead (KPD-TAY)	Sinjhoru plant
2	HP Separator	NurBagla	Gathering facility near Suleman-1
3	LP Separator	NurBagla	Gathering facility near Suleman-1
4	Flare stack / open pit	Nurbagla	Gathering facility near Suleman-1
5	Metering skid	Qadirpur	Gathering facility near Suleman-1
6	Well Head Control Panel	In house inventory	Suleman-1 & Suleman 2
7	Chemical Injection Package	New Procured	Suleman-1 & Suleman 2
8	Filter Coalescer	KPD Plant	Sinjhoru Plant
9	Membrane Skid (approx. additional 2~3 banks)	Qadirpur	Sinjhoru Plant

9.0 Engineering Consultant

OGDCL has appointed Petrochemical Engineering Consultants (PEC) as Engineering Consultant for conducting Conceptual & Feasibility Study, FEED Study, HAZOP and Detailed Engineering Design as well as Tendering services, Project Management and construction supervision to ensure completion of the project complying with technical specifications.

	KHEWARI DEVELOPMENT PROJECT				 Petrochemical Engineering Consultants
	Doc. Title:	Tender Document – Conditions of Contract			
	Doc. No:	0904576-00-CRP-COC-0001	Attachment VI	Page 13 of 1	

10.0 OGDCL/Engineering Consultant's Responsibilities

OGDCL/Engineering Consultant shall be responsible for providing the Contractor the following information/ documents/ clarifications:

- a) Information, engineering data/documents and free issue equipment & materials as stipulated in the Contract Document.
- b) Issue of letters only to the authorities in Pakistan, which Contractor may require for the execution of the Project Works. However, timely submission of such requests & obtaining such permits shall be sole responsibility of the Contractor.
- c) Review and approvals of documents by OGDCL/Engineering Consultant submitted by the bidder in batches/phases.

11.0 Eligibility Requirements

Eligibility of Bidders for pre-qualification along with Qualification Basis is provided in Appendix-A. PQ questionnaire is also enclosed at Appendix-B to ascertain the eligibility for pre-qualification of bidders and mandatory part of bid to be submitted by the bidders along with their original technical bids.