

TERMS OF REFERENCE (TOR)

FOR

**HIRING OF ENGINEERING CONSULTANCY SERVICES
FOR WELLHEAD, PIPELINE, CONSTRUCTION, TIE-IN
FACILITIES, CONSTRUCTION DRAWING, SURVEY,
AND ALLIED SERVICES**



**TENDER ENQUIRY # PROC-
SERVICES/CB/PE&FD-4795/2020**

HIRING OF ENGINEERING CONSULTANCY SERVICES FOR WELLHEAD, PIPELINE, CONSTRUCTION, TIE-IN FACILITIES, CONSTRUCTION DRAWING, SURVEY, AND ALLIED SERVICES

SCOPE OF WORK AND TERMS OF REFERENCE (TOR)

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1.0 SCOPE

This is two years based Engineering Consultancy Rate Running Contract Services including but NOT limited to Design Engineering, Survey, As- Built, Analysis/ Consultancy, ITB/ Specification Packages (With Bid Evaluation/Clarification support) and Inspection/ Monitoring related to wellhead (Upstream of Choke to Flow line Riser), Pipeline (Anchor Block/Riser to Gathering Area), facilities (Gathering Area to Oil/Gas/Water Separation Facility to Oil & water Treatment/ Storage/ stabilizing/dispatch facility to Loading Gantry OR Gas custody transfer OR Water disposal Well, as per group packages listed.

OGDCL intends to hire a company which has mandatory qualifications as: 1) Pakistan based 2) at least 5 years registered Pakistan Engineering Council (PEC) under consulting company category 3) Previous E&P companies consulting work experience under PPEPCA list (Pakistan Petroleum Exploration & Production Companies Association) for similar works 4) FBR-NTN registration for income tax and other matters and 5) Registered with relevant provincial sales tax authority.

2.0 DELIVERABLES TIME-LINES/SCHEDULE:

1. Each WORK PACKAGE DELIVERABLE would be submitted within 30 days of service order issuance / after all the required data/ parameters have been given by OGDCL.
2. **If final deliverables are submitted within 55 days of issuance of service order; Consultant Company would be paid 25% bonus over the quoted rates over the base price (without tax), which will be taxed.**
3. CODES are NOT comprehensive and are only indicative.

4. Relevant latest CODES (at least three) as per package would be provided in SOFT FORM as well.
5. QA/QC for each package is to be carried out by the Manager QA/QC or DISCIPLINE EXPERT nominated by the Consultants Company. Evidence for this role with over 20 years PEC Consulting Engineer CV and role acceptance is to be provided by the bid.
6. Each year on completion of six months period, a complete PORTFOLIO of OGDCL work in editable form e.g MS WORD, EXCEL, and PDF form would be handed over in 2 TB External Hard Drive with FTP upload, as well. Four drives to be provided in two years period as backup.
7. Two hard copy sets with drawing in HARD ROLL professional drawing packs/rolls are to be provided one to Head Office and second to the LOCATION ADDRESS through proper TCS ONLY Tracking.
8. Soft editable copies to be shared with OGDCL focal person on monthly basis.
9. QA/QC and Quality inspection plan (QIP) for each service order would be provided in final pack.
10. Standard Operating Procedures (Relevant to the deliverable) would be submitted covering safe operation with each deliverable pack.
11. Kmz file Google supported for all surveys and as built for wellhead and pipeline would be consolidated by consultant and submitted with each survey final pack.
12. Material selection / metallurgy finalization in all packages would be one of the main requirements.
13. All PEC, OGRA and other applicable/statuary laws in Pakistan governing E&P upstream industry would be followed in entire consulting packages under this contract.

3.0 EVALUATION OF BIDS

1. Bidders are required to provide documentary evidence for EXPERIENCE and QUALIFICATION in bid proposal, mentioned against each WORK GROUP separately.
2. All the documents must be indexed and flagged for ready reference.
3. Bids must be provided in two sets ONE original SECOND copy marked over the TOP.
4. Bid proposal CD or FLASH soft copy is also to be submitted.
5. Bidder must have Oil & Gas experience in the quoted work packages. Each page of the tender must be signed and stamped.

4.0 FOCAL PERSON

OGDCL Manager (Prod Facilities) Head Office Islamabad would be the focal person and a similar experienced person from the other side would be his counterpart for this project, after contract award.

5.0 INVOICES & BILLING

1. Provincial taxes would be deducted by OGDCL from the Invoice.
2. Invoices are to be field verified by respective Field / Plant / Location Manager of OGDCL, whenever site visit is mentioned in the WORK PACKAGE.
3. Each Invoice is to be attested by consultant Finance or Accounts Manager with signature and Stamp.
4. FBR Annexure C (issued by FBR) is to be attached with each invoice along with Contract / Agreement Copy, Due Verification and Service Order Copy in a separate file.
5. Invoice file must be addressed to the office of General Manager Accounts OGDCL Head Office Islamabad.
6. For invoicing mechanism, mobilization to site and demobilization from site to back office/consultant place; these two days would be charges as one man day for costing/payment. It implies that day 1 of arrival and last day would be paid for ONE day basis only.

6.0 FINANCIAL TABLE

To be completely filled in. If any cell/column is left blank it would be deemed to be offered free of cost unless cancelled out.

7.0 KICK OFF & QUARTERLY REVIEW MEETINGS

1. Kick off meeting and quarterly (four in one year / three in first year) meetings would be held in OGDCL Islamabad Head Office.
2. Consultant would attend the meeting with PROJECT FOCAL PERSON, Director / Nominee, LEAD Process, LEAD Mech., LEAD E&I, LEAD CIVIL and Manager (Finance / Accounts) making a total of 07 members consulting company team for each of these meeting as mandatory requirement.
3. Meeting would be scheduled in the first 10 working days of a new quarter, unless notified earlier.
4. Agenda would be presentation by the consultant on work packages, challenges and way forward.
5. Every second QUARTER meeting is to be concluded with COMPLETE OGDCL portfolio sharing on two tera byte external hard disk.

8.0 BOARDING & SITE TRANSPORT

OGDCL will provide free boarding to the visiting staff of the consulting company and only in-field transportation would be provided. OGDCL will provide pick up and drop from the nearest airport / main line railway station or Bus Depot only that are under OGDCL field limits.

9.0 REPORTING

1. Weekly progress report followed by the monthly EXECUTIVE SUMMARY duly signed by focal person designated would be emailed as agreed.
2. MS Team / Skype etc based meeting would be held monthly through VIDEO Conferencing.

10.0 BID BOND

The WORK PACKAGE wise bid bond amounts are: 1) Wellhead Rs. 35,000/-; 2) Pipeline Survey: Rs. 100,000/-; 3) Pipeline Construction Pack: Rs. 15,000/- 4) Gathering Area Facility Design: Rs. 20,000/- 5) Gantry / Loading Area Design: Rs. 10,000/- 6) Storage Tanks: Rs. 10,000/- 7) Design and construction consultation: Rs.10,000/- 8) Design and construction coordination: Rs.10,000/- 9) PROCESS SAFETY: Rs. 10,000/- 10) Wellhead Compression: Rs. 10,000/- 11) Debottlenecking: Rs 10,000/- 12) As built Rs. 10,000/- 13) Separator Sizing Rs. 10,000 14) Water Disposal/Injection System Rs. 20,000/- 15) Mechanical Equipment Design and Sizing Rs. 10,000/-.

11.0 DURATION OF CONTRACT

The duration of the contract is Two (02) Years on Rate Running Contract (as and when required basis). Any extension in term of Contract will be subject to mutual consent of both the parties in writing.

12.0 PAYMENT TERMS:

1. The payments to the service company will be made through cross cheque in 100% Pak Rupees, at actual, against verified invoices.

2. The prices quoted by bidder in financial bid should be in Pak Rupees. The quoted price should be fixed/firm and are inclusive of all applicable taxes, duties and levies etc. except Provincial Sales Tax/ICT Tax on Services.

13.0 MODE OF PROCUREMENT:

Bids against this tender are invited on “**Single Stage Two Envelope Bidding Procedure**” through press tendering therefore, the bidders shall submit original and copy of their technical and one original financial bid. Soft copy of technical bids also to be submitted.

Note: The Master Set of Tender Documents for Services uploaded on OGDCL’s website (www.ogdcl.com) is the integral part of this TOR.

SR. #	WORK PACKAGE	CODES	EXPERIENCE	QUALIFICATION	DELIVERABLES
1.0	<p><u>Wellhead Design</u> (one unit/number; area maximum 300 meters x 300 meters) with site survey and IFC package with contractor scope. Limit from Choke till the pipeline riser/connection. injection packages, valves, corrosion probes, F&G, safety systems are part of the scope. Site visit inclusive of mobilization are part of the package</p>	<p>ASME B31.3, ASME B31.4 ASME B31.8 API 1102, API 1104, API SPEC 5L ASME Sect. IX, NACE RP02-74, NACE RP-0177 OGRA</p>	<p>1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with PEC certifications must be provided.</p>	<p>3. Engineering Lead must have at least 15 years of consulting role with PEC certification.</p>	<p>4. Complete Design, P&ID, PFD, Specification covering Detailed Engineering Design, Process, Civil, Mechanical and E&I packages. 5. Detailed Site Survey Sheets colored, two sets, in hard prints in professional hard rolls to be provided 6. ITB packs with Evaluation Criteria. Copy of the four relevant Standards listed under CODES and practices.</p>
2.0	<p><u>Pipeline Survey</u> ((based on one man-day per Survey team). If x number of surveyors are in team; manday rate would be on one person day rate. Site visit inclusive of mobilization are part of the package) with cutting and filling to be provided in Metric Tons of soil for the survey. Pipeline hydraulics study on PipeSim is to include pressure drop calculation, pipeline sizing, slug volume estimation etc.as standard. Site visit to the field location with mobilization is included in this package. Limit from wellhead pipe riser till tie-in as per field engineer location marking. Site visit inclusive of mobilization are part of the package</p>	<p>ASME B31.3, ASME B31.4 ASME B31.8 API 1102, API 1104, API SPEC 5L ASME Sect. IX, NACE RP02-74, NACE RP-0177 OGRA</p>	<p>1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with SoP certifications must be provided. 3. Multiple teams of survey are required as concurrent and parallel survey jobs could be executed simultaneously.</p>	<p>4. Survey of Pakistan (SoP) registered surveyors. Certificate copies to be shared.</p>	<p>5. Survey benchmarks to be established in line with international practices for permanent tracking of right of way (ROW). 6. Complete P&ID, PFD, Specification covering Process, Civil, Mechanical and E&I packages. 7. Survey Sheets colored, two sets, in hard prints in professional hard rolls to be provided. 8. ITB packs with Evaluation Criteria. Copy of the two relevant Standards 9. Material, location and nearby well lines must be traceable.</p>

3.0	<p><u>Pipeline Construction Pack</u> (per survey basis): work may include all types of crossings (HDD, water, canal,, road, railways, bridges etc.) with stress analysis, sizing, and flow assurance study. Pigging study and launcher/receiver, anchoring and maintenance package for pipeline and valves data sheets are to be provided. Site visit inclusive of mobilization are part of the package</p>	<p>ASME B31.3, ASME B31.4 ASME B31.8 API 521 API 1102, API 1104, API SPEC 5L ASME Sect. IX, NACE RPO2-74, NACE RP-0177 OGRA</p>	<p>1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with PEC certifications must be provided..</p>	<p>3. Engineering Lead must have at least 15 years of consulting role with PEC certification.</p>	<p>4. Complete Design, P&ID, PFD, Specification covering Detailed Engineering Design, Process, Civil, Mechanical and E&I packages. 5. Survey Sheets coloured, two sets, in hard prints in professional hard rolls to be provided. 6. ITB packs with Evaluation Criteria. Copy of the two relevant Standards. 7. Pipeline Blow Down / depressurizing mechanism for safe operations. 8. Injection packages to be built in this package with pigging, metering, storage. 9. BOQ and IFC drawing package would also be included.</p>
4.0	<p><u>Gathering Area Facility Design</u> / quoting rates to be based on complete facility design Full field development: Gathering system with separation system, pipeline network (with safety system) and three/two phase facilities till the custody transfer (Excluding gas processing/ sweetening) for a complete set up with utilities and requisite site survey / benchmarks (survey GUIDELINES attached) to be designed completely. Limit from wellhead till sales point. Site visit inclusive of mobilization are part of the package</p>	<p>Piping: ASME/ANSI B31.3 Electrical: All modules: IEC standards. (Zone 2, Gas Group IIA and IIB, Temperature Code T3) Basic Safety Systems: API 14C Pressure Vessels: ASME BPV Code, Division I, Section VIII Pressure Safety and Relief Valves, Selection, Sizing and Installation: API RP 520 and API RP 521, NFPA Standards OGRA</p>	<p>1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with PEC certifications must be provided..</p>	<p>3. Engineering Lead must have at least 15 years of consulting role with PEC certification.</p>	<p>4. Design, Front End Engineering Design (FEED) and Detailed Engineering Design 5. Complete P&ID, PFD, Specification covering Process, Civil, Mechanical and E&I packages. 6. Survey Sheets coloured, two sets, in hard prints in professional hard rolls to be provided. 7. ITB packs with Evaluation Criteria. Copy of the two relevant Standards</p>

5.0	<u>Gantry / Loading Area Design</u> (one Unit 100 bpd to 25000 bpd – Lumpsum) with complete loading arms, retracting safety line, shed, bouzer/tanker parking area, deluge, recovery system, and complete pumping / power packages for condensate, oil and HC liquid. Site visit inclusive of mobilization are part of the package.	ACI 318 - 2008, AISC, ASCE, UBC - 97, NFPA Standards OGRA	1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with PEC certifications must be provided..	3. Engineering Lead must have at least 15 years of consulting role with PEC certification.	4. Complete Design, P&ID, PFD, Design Engineering Services, Specification covering Process, Civil, Mechanical and E&I packages. 5. Survey Sheets coloured, two sets, in hard prints in professional hard rolls to be provided. 6. ITB packs with Evaluation Criteria. Copy of the two relevant Standards
6.0	<u>Storage Tanks</u> (500 barrels to 50,000 bbls). Site visit inclusive of mobilization are part of the package.	API 650 API 653 RP 651 RP 652 SPEC 12D SPEC 12F Std 620 OGRA CIM/CIE Chief Inspectorate of Mines/Explosives)	1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with PEC certifications must be provided..	3. Engineering Lead must have at least 15 years of consulting role with PEC certification.	4. Complete Design, P&ID, PFD, Design Engineering Services, Specification covering Process, Civil, Mechanical and E&I packages. 5. Survey Sheets coloured, two sets, in hard prints in professional hard rolls to be provided. 6. ITB packs with Evaluation Criteria. Copy of the two relevant Standards
7.0	<u>Design and construction consultation:</u> Man-day Site Unit Rates (site visit with mobilization) Site visit inclusive of mobilization are part of the package.	Civil at site Mech at site E&I at site Chemical / Process at site	1. PE level 2. ONE man-day is 14-16 hours of site works 3. At least similar 3 work orders with oil & gas (E&P) companies to be attached.	PEC BSc ./ BE Engineers	Each discipline to have individual man-day rates. Time write would be submitted on daily basis to OGDCL.
8.0	<u>Design and construction coordination:</u> Man-day Office Unit Rates (Office based)	Civil at office Mech at office E&I at office Chemical / Process at office	1. PE level 2. ONE man-day is 10-12 hours of site works 3. At least similar 3 work orders with oil & gas (E&P) companies to be attached.	PEC BSc ./ BE Engineers	Each discipline to have individual man-day rates Time write would be submitted on daily basis to OGDCL.

9.0	<u>PROCESS SAFETY ASSESSMENTS (PSSAP) & HAZOP</u>	API NEBOSH ASME	1. Independent / Third party Chairman 2. With over 15 years of HAZOP experience 3. OGDCL prior approval with CV submission	NEBOSH Engineering Degree Intl. Safety Certifications	1. At Consultant City Office 2. At least 4 side each (from OGDCL and Consultant) 3. For two to three days
10.0	<u>Wellhead Compression / Jet Pumps / Secondary Recovery / Wellhead Line Heaters / nodal compressor / Others</u> Studies with Site visit inclusive of mobilization are part of the package. Unit manday rate for team would be considered.	API 617 API 618 API 619 Other API ASME OGRA	1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with PEC certifications must be provided.	3. Engineering Lead must have at least 15 years of consulting role with PEC certification.	4. Complete Design, P&ID, PFD, Design Engineering Services, Specification covering Process, Civil, Mechanical and E&I packages. 5. Survey Sheets coloured, two sets, in hard prints in professional hard rolls to be provided. 6. ITB packs with Evaluation Criteria. Copy of the two relevant Standards
12.0	<u>As built</u> (based on one man-day per Survey team). If x number of surveyors are in team; manday rate would be on one person day rate. Site visit inclusive of mobilization are part of the package.	ASME B31.3, ASME B31.4 ASME B31.8 API 1102, API 1104, API SPEC 5L ASME Sect. IX, NACE RPO2-74, NACE RP-0177 OGRA	1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with SoP certifications must be provided. 3. Multiple teams of survey are required as concurrent and parallel survey jobs could be executed simultaneously.	4. Survey of Pakistan (SoP) registered surveyors. Certificate copies to be shared.	5. Survey benchmarks to be established in line with international practices for permanent tracking of right of way (ROW). 6. Complete P&ID, PFD, Specification covering Process, Civil, Mechanical and E&I packages. 7. Survey Sheets colored, two sets, in hard prints in professional hard rolls to be provided. 8. ITB packs with Evaluation Criteria. Copy of the two relevant Standards 9. Material, location and nearby well lines must be traceable.

13	Separator Sizing (Field/Test: horizontal, skid based, 100 barrels to 20,000 bbls with 1-50 MMscfd; 3/2 phase; pneumatic or digital controls). Site visit inclusive of mobilization are part of the package.	API 12J ASME Div VIII OGRA CIM/CIE Chief Inspectorate of Mines/Explosives)	<ol style="list-style-type: none"> 1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with PEC certifications must be provided.. 	3. Engineering Lead must have at least 15 years of consulting role with PEC certification.	<ol style="list-style-type: none"> 4. Complete Design, P&ID, PFD, Design Engineering Services, Specification covering Process, Civil, Mechanical and E&I packages. 5. Survey Sheets coloured, two sets, in hard prints in professional hard rolls to be provided. 6. ITB packs with Evaluation Criteria. Copy of the two relevant Standards
14	<u>Water Disposal/Injection System</u> (including filtration, pumping, and piping etc: 100 barrels to 20,000 bbls with 1-50 MMscfd). Site visit inclusive of mobilization are part of the package.	API ASME OGRA CIM/CIE Chief Inspectorate of Mines/Explosives)	<ol style="list-style-type: none"> 1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with PEC certifications must be provided.. 	3. Engineering Lead must have at least 15 years of consulting role with PEC certification.	<ol style="list-style-type: none"> 4. Complete Design, P&ID, PFD, Design Engineering Services, Specification covering Process, Civil, Mechanical and E&I packages. 5. Survey Sheets coloured, two sets, in hard prints in professional hard rolls to be provided. 6. ITB packs with Evaluation Criteria. Copy of the two relevant Standards
15	<u>Mechanical Equipment Design / Sizing:</u> (for duty 100 barrels to 20,000 bbls with 1-50 MMscfd). Site visit inclusive of mobilization are part of the package. common equipment includes Pressure Vessels (production s, Pig L/ R, Knockout vessels, filter vessels, Desalter Units), Diesel/ Gas Gensets, Line heaters, Surface Jet Pump Units, Well Head Compressor, Injection/disposal Pumps,	API ASME OGRA CIM/CIE Chief Inspectorate of Mines/Explosives)	<ol style="list-style-type: none"> 1. Oil & Gas (PPEPCA) based company's similar experience for at least three assignments. 2. Discipline wise (PROCESS, MECH., CIVIL, E&I) Engineering Leads CV with PEC certifications must be provided.. 	3. Engineering Lead must have at least 15 years of consulting role with PEC certification.	<ol style="list-style-type: none"> 4. Complete Design, P&ID, PFD, Design Engineering Services, Specification covering Process, Civil, Mechanical and E&I packages. 5. Survey Sheets coloured, two sets, in hard prints in professional hard rolls to be provided. 6. ITB packs with Evaluation Criteria. Copy of the two relevant Standards

14.0 FINANCIAL TABLE

Sr.	WORK PACKAGE	Quantity (A)	Unit Cost (B) PKR	Total Cost (C): (C = A x B) PKR
1	Wellhead Design	15		
2	Pipeline Survey	20		
3	Pipeline Construction Pack	5		
4	Gathering Area Facility Design	2		
5	Gantry / Loading Area Design	2		
6	Storage Tanks	2		
7	Design and construction consultation	20		
8	Design and construction coordination:	35		
9	Process Safety	8		
10	Wellhead Compression	4		
11	Debottlenecking	4		
12	As built	8		
13	Separator Sizing:	2		
14	Water Disposal/Injection System:	4		
15	Mechanical Equipment Design / Sizing:	2		

For 1, 2, 3, 4, 5, 6,10, 11, 12, 13, 14, 15 team site visit costs are included as lump sum.

For 2, 11 & 12, site survey based jobs like survey, as built etc: team would be considered one unit for man day calculations. Job payment would be based on man-day rates.

For 7 & 8: One Engineer Man-day rate is to be quoted as (Process, Mech, Civil, E&I) average value.

All payments are to be made on lump sum basis after submission /acceptance of final deliverables / verified invoices.

Above quantities (A) are best estimate based on the historical data ONLY.

Evaluation would be based on each Work Package separately for contract award.

15.0 ELIGIBILITY CRITERIA

- 1) Pakistan based offices
- 2) At least 5 years registered Pakistan Engineering Council (PEC) under consulting company category
- 3) Previous E&P companies consulting work experience under PPEPCA list (Pakistan Petroleum Exploration & Production Companies Association) for similar works
- 4) FBR-NTN registration / relevant provincial sales services tax authority for income/sales tax matters.

16.0 TECHNICAL EVALUATION CRITERIA

With valid certifications for continuous dates w.e.f FIRST registration to ascertain number of valid years till latest

SR. #	DESCRIPTION	CRITERIA	Max marks in () OBTAINED MARKS
1	Registration with (marks): (30) 1) PEC under engineering consultancy for (x15) i: Projects in Petrochemical (1212), (x7.5) ii: Oil and gas pipelines, development, storage, Transmission and distribution systems (1213) (x7.5) and with valid certifications for continuous dates w.e.f FIRST registration to ascertain number of valid years till latest	<i>For each of the 2 certificates:</i> Over 4 years each (full marks) 3 to 4 years each (half marks) Under 1-3 years each (quarter marks) Under 3 years each (1/10 marks only)	(30) 15 7.5 3.75 1.5
2	Number of Projects with consultancy studies with PROJECT CAPEX in last 5 years. Project capital of USD million or others are based on project CAPEX and not the study value. Each Project Name, with company address, focal person email mobile contact with Service Order(s) copies in the name of bidder must be provided.	For each list: projects over one million US\$ each projects over US\$ 0.25-0.49 million each projects of US\$ 0.1-0.249 million each.	(20) 03 02 01
3	Project list for clients in (20 marks) 1. E&P companies in Pakistan (each company 3 marks; maximum 15) 2. Pakistan based oil & gas companies (each company 1.0 marks; maximum 5)		(20) 15 5
4	Lead Engineers (PROCESS/MECH/CIVIL/E&I) with 8 years' experience with Professional Engineers (PE) status. Each Engineer would be given 6 marks (04 x 6 = 24 max) in each of four trades/field. CV's needed.		(4 x 6) = (24) No lead - 0
5	Process/Mechanical Engineering Head is to provide CV and detailed profile. Upstream oil & gas experience is a must and it should be reflected over in the work portfolio.	25 years' experience 07-25 years Under 07 years and over 3 years Under 3 years	(06) 06 03 00

Note: Minimum Qualification Marks are 70 out of maximum for financial evaluation with minimum of 60 marks in each of the five items in above table. The technically responsive (equal to more than 60 marks under technical) and lowest in the financial table would be awarded the bid/contract for the initial period of three years.