

# **TERMS OF REFERENCE (TOR)**

## **FOR**

**HIRING OF SERVICES FOR WELDING, FABRICATION, INSTALLATION, SURFACE PREPARATION, PAINTING ETC. FOR INTER COOLER & AFTER COOLER PIPE SPOOLS OF SOLAR TURBINES INSTALLED AT QADIRPUR PLANT**



**TENDER ENQUIRY # PROC-SERVICES/CB/P&P-4720/2020**

**HIRING OF SERVICES FOR WELDING, FABRICATION, INSTALLATION, SURFACE PREPARATION, PAINTING ETC. FOR INTER COOLER & AFTER COOLER PIPE SPOOLS OF SOLAR TURBINES INSTALLED AT QADIRPUR PLANT**

**TERMS & CONDITIONS FOR PRCP PIPING REPLACEMENT**

**WORK SCOPE EXPLANATORY NOTES FOR CONTRACTOR:**

- 1- The Owner, Oil & Gas Development Company Limited (OGDCL) is interested in inviting bids for the provision of services at its Qadirpur Gas Plant for fabrication, welding, cutting, installation, painting etc. of PRCP Piping spools from reputable companies in this field. Tentative duration for the execution of said job will be 45 days maximum.
- 2- The Contractor shall quote separate rate for each activity against the quantities.
- 3- The work shall be done, completed in all respects in accordance with the requirements and Owner's instructions/satisfaction at site.
- 4- The Quantities contained in the scope of work for each activity are estimated and liable to change (increase, decrease or omitted) when the work is actually executed. The Owner does not expressly or by implication guarantee that actual quantities of work to be performed will correspond to the scope of work submitted with this tender document. The payment to be made to the Contractor shall be based on the actual quantity of work performed. OGDCL reserves the right to change (increase/decrease) the scope of the work at any time keeping in view the operational requirements. In such case, quoted unit rates will be applicable.
- 5- The Contractor shall be responsible for carrying out all work, complete in all respects, according to the scope of work. Any item of work required for completion but not expressly indicated in the scope shall be deemed to have been included in the unit rates quoted by the Contractor.
- 6- The works are to be carried out on a fast track basis and it is, therefore, essential that the Contractor shall be prepared to execute the work on a round the clock basis including any kind of holidays.
- 7- Unit rates quoted by bidder shall be firm. No extra payments on account of escalation in prices due to any reason shall be admissible.
- 8- Contractor must quote unit rate per dia. inch of pipe welding & per sq. M of painting as per attached sheet exhibiting detailed quantities.

- 9- The Contractor shall be paid only for the work duly approved by Owner's representative. Any rework due to poor quality, demonstrated by NDT results & inspection by OGDCL shall be on Contractor's account.
- 10- In case of prolonged delay in execution of jobs at any stage, OGDCL reserves the right to hire any third party on contractors risk & cost for job completion.
- 11- Contractor must visit the site to confirm the provided scope of work by OGDCL for bidding and clarification of scope (if any).
- 12- Contractor will arrange Fabrication/Welding Jobs including NDT/Third party inspection, wherever required.
- 13- Only land (for placement of caravans) for lodging (accommodation) will be provided to the Contractor's Man Power.
- 14- Job Completion Time is within 45 days from handing over of the site. Contractor will be allowed to work round the clock. Plant shutdown is not required in this case. Jobs will be performed on one by one basis on each train.
- 15- In case of any delay in completion of job and startup of plant due to contractor. Contractor will be held responsible and will be liable for penalty as per company policy.
- 16- All gaskets (Only for box up) and spare parts will be provided by OGDCL.

## **CONTRACTOR'S RESPONSIBILITIES:**

### **HSEQ:**

- 1- Contractor will follow OGDCL HSEQ Policy in addition to all governmental regulations applicable to the scope of work for implementation of safe execution of each activity with zero-injury. In case of any accident, OGDCL will not be liable for any claim like insurance etc.
- 2- Contractor shall submit, before the start of job, the detailed documents as follows:
  - a. HSE Risk Assessment
  - b. JHA/JSAs of the relevant Jobs
  - c. Emergency Preparedness and Response Plan.
- 3- Contractor shall strictly follow the Work-to-Permit System and shall provide plan of activities in advance, submit THAs/JHAs where required and engage only certified staff for the hot jobs.
- 4- Contractor shall develop and ensure Toolbox Talk Program on Safety, Health and Environmental matters in daily HSE briefings by its HSEQ Rep.

- 5- Contractor shall immediately report to OGDCL representative all significant and important incidents involving fatality, injury, illness, environmental impacts, near hits, and/or hazardous situations.
- 6- Contractor shall submit to OGDCL representative an HSE Performance Review Report on regular basis.
- 7- Contractor will be responsible for housekeeping, clean up the trash, spills, food waste, spill of chemicals, oils, whereas potentially hazardous wastes to be immediately reported to OGDCL HSEQ representative. Further any used material will be transported to store yard by contractor.
- 8- Contractor shall provide orientation on Emergency Preparedness and Response Procedure to its team and ensure that its personnel are well aware of what procedures are in practice and who is to notify in the event of any emergency.
- 9- Arrangement of all the safety equipment & PPE's i.e. Gloves, Helmet, Safety glasses Harness, respirators etc. for contractor employees is contractor's responsibility.
- 10- Mobiles, photo camera, cigarettes, lighter etc. are prohibited in the plant premises and contractor should ensure to comply.
- 11- Contractor will hire certified crane operator, scaffolder, rigger, drivers, welders, fabricators etc.
- 12- Each contractor's employee will wear its provided ID card in the premises of plant, ID card will be provided by the contractor displaying name & craft of each employee.
- 13- In case of any accident / emergency, OGDCL will provide only general first aid whereas any other medical treatment would be the responsibility of contractor.
- 14- In case of any injury, workmanship compensation of contractor's staff will be contractor's responsibility.

**FIELD WORK:**

- 1- All Tools and consumables for the execution of each job will be Contractor's responsibility. Consumables include all the necessary items i.e. WD-40, Cotton rags, Hand Gloves, RTV, Contact cleaner, Insulating Gloves etc.
- 2- Dismantling & box up of existing piping (Cutting, Welding, Fabrication, Installation etc.) is contractor's responsibility.
- 3- Air blowing and Hydrostatic testing of piping for 30 minutes and 1.5 times of design pressure proceeding air drying as per NFPA standards. Inspection will be carried out by client. All arrangement for Hydro testing i.e. pump, temporary gaskets (Non asbestos), temporary bolts etc. will be contractor's responsibility.

- 4- Transport of material / spares etc. from QP-Store to Field (job execution site) will be contractor's responsibility. OGDCL will only issue the material from store.
- 5- Arrangement of Pump, hoses etc. for Flushing of piping will be contractor's responsibility.
- 6- The painting of repaired piping/new piping with primer (red oxide) and top coat with high build solids epoxy as per applicable code shall be the responsibility of Contractor. Contractor will also provide necessary arrangements for DFT testing of painted lines.
- 7- All necessary arrangements for pressure testing of Pipe lines, tubes i.e. Test bench, Gaskets, blind flanges, Hose pipes, gauges etc. will be contractor's responsibility.
- 8- Arrangement of Electrical Boards/Cables/Lighting/Electrical Tools along with Miniature Circuit Breakers (MCB), Molded Case Circuit Breakers(MCCB) and Earth leakage circuit breaker (ACB) to provide electrical supply/Lighting at different work location as per HSE standard (such as insulation of Electrical Tools where required etc.) will be responsibility of the contractor.
- 9- Deployment of first aid boxes & medical team for the labor at site.
- 10- Contractor's documentary evidence of HSE policy with commitment to provide PPE, Helmet, Ear plugs and safety shoes to the skilled labor at work.

#### **HOT JOBS:**

- 1- Consumables for fabrication / welding / machining etc. will contractor's responsibility. Consumables includes all the necessary items i.e. Electrodes, cutting disc, grinding disc, Baby grinders, burr set, Drill Machine along with Drill Bit ,DA, oxygen & Argon Cylinders etc.
- 2- Hot job will be performed on spools of O3 equipments (Turbo Compressors) one by one.
- 3- Arrangement of Diesel Welding Generator & diesel will be in contractor's scope of work.
- 4- Contractor shall be responsible for PRE HEAT & PWHT of welding jobs including PWHT machines, consumables and stress relieving as per NDT results whenever required.
- 5- Contractor shall provide WPS & PQR for welding and fabrication jobs prior to execution.
- 6- NDT (DPT & RT) with required consumables & equipment for all welding jobs (Repair work/Modifications) will contractor's responsibility.
- 7- All modifications/change in piping will be painted after proper surface cleaning as per color codes.
- 8- 50% Radiographic Inspection of new welding joints will be contractor's responsibility.
- 9- Contractor will be responsible for any blinding/De-blinding required for any Hot Job, which may not be foreseen at this stage.

### **GENERAL ARRANGEMENTS:**

- 1- All arrangement for boarding & lodging for contractor's man power will be contractors responsibility. Only 04-05 Officers Engg. Cadre will be provided temporary residence & messing.
- 2- Arrangement of Camp utilities electricity, portable water, portable washrooms/toilets with their cleaning will be responsibility of Contractor.
- 3- Contractor must submit list of total no's of deployed manpower (cadre wise).
- 4- Contractor shall provide adequate meals / on-site refreshment twice in 12 hour shift and laundry services to their employees.
- 5- Contractor should ensure his manpower has no any kind of ammunition and narcotics. (Security concern)
- 6- Contractor should deploy its security personals to control the manpower's in/out movement at plant and field main gate with the coordination of OGDCL security Incharge.
- 7- Pick & drop of any type for contractor's manpower will be contractor's responsibility.
- 8- Contractor will arrange 02 times daily Refreshment & 01 time proper meal per shift as per requirement.

### **OGDCL's SCOPE:**

- 1- OGDCL will provide only space for office facility for indirect staff.
- 2- OGDCL will provide Permit to work facility in time, as per schedule.
- 3- OGDCL will provide Crane (if required).
- 4- OGDCL will provide accommodation for 4-5 key persons.
- 5- OGDCL will provide electricity for works.
- 6- OGDCL will provide supply of water for hydro test.

### **DURATION OF CONTRACT:**

1. The contract will be for 45 days effective from handing over of the site to Contractor. Any extension in the contract will be made based on mutual consent of both parties in writing.
2. The Bid proposal/rates should remain valid unconditionally during the period of contract.

### **PAYMENT TERMS:**

1. 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.

2. The payments to the Service Company will be made through cross cheque in 100% Pak Rupees, at actual, against verified invoices after completion of work.

**BID BOND:**

Bid Bond/Bid Security amounting to **PKR 150,000/-** (Pak Rupees One Hundred Fifty Thousand Only) is to be attached/provided **with Technical bid**. Please see Master Set of Tender Document for further details.

**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](http://www.ogdcl.com)) is the integral part of this TOR.

## Bidder/Contractor Qualification Criteria:

S r. N o .	Evaluation Item	Description of Criteria	Max. Marks / Calculations	Maximum Marks	Minimum Qualifying Marks	Remarks
1.	Contractor strength to execute fabrication, welding, installation, surface preparation, painting works etc.	Contractor should have min. 07 years of experience for execution of fabrication, welding, installation, surface preparation, painting works etc. in oil & gas / petrochemical industry.	15 years exp.: 20 10 years exp.: 15 07 years exp.: 10 Less than 07 years exp.: 0	20	10	The Contractor should submit the details of scope of work (especially dia. Inches welded, pipe schedule) along with supporting documents (Job Completion Certificates) to prove the relevant experience.
2.	Personnel capacities to be deployed.	Contractor's manpower should have min. 05 years of relevant trade experience in oil & gas sector:	<u>Fabricator:</u> 10 years exp.: 10 07 years exp.: 07 05 years exp.: 05 Less than 05 years: 0 <u>Welder:</u> 10 years exp.: 10 07 years exp.: 07 05 years exp.: 05 Less than 05 years: 0 <u>Fitter:</u> 10 years exp.: 10 07 years exp.: 07 05 years exp.: 05 Less than 05 years: 0	30	5+5+5 = 15	All three trades must qualify min. marks. 0 marks in any of the trade will disqualify the category even if other trades score 15 marks as Total CV's to be provided with experience certificates.
3.	Welder's qualification	Contractor to deploy certified welders only.	Welder Qualification Certificates to be provided in this regard.	20	20	Contractor will conduct WQT of welders at QP site and will share weld joint radiography results with client
4.	Valid certifications	ISO 9001 PEC Registration in Relevant Categ.	05 05	05 05	05 05	
5.	Complete compliance of Term and Conditions		Fully Complied: 20	20	20	The contractor should submit the complete compliance certificate with the bid, any deviation from term and condition is not acceptable.

Total Marks= 100

Minimum Qualifying Marks = 75

### Note:

1. Contractor should get minimum qualifying marks in each category as mentioned in above table. Contractor will not be qualified if above mentioned minimum qualifying marks in any category will not be scored by the contractor. In addition, the total marks should also be not less than 75. Any contractor who will score less than 75 marks shall not be considered for evaluation.
2. Contractor must have ten years total experience of providing fabrication, welding, installation, surface preparation, painting works etc. services. Contractors having experience less than seven years will be disqualified & shall not be considered for evaluation even they score marks more than 75 as per above tabulated criteria.
3. In case of JV, JV agreement to be provided by contractor. Experience of lead JV partner will be considered only for evaluation. In no case, experience of both JV partner will be added together for marks calculation.



**FINANCIAL BID FORMAT/EVALUATION CRITERIA**  
**PRCP PIPING REPLACEMENT AT QADIRPUR PLANT QP-9672**

Sr. #	DESCRIPTION	QTY.	Price in PKR (inclusive of all taxes except PST/ICT)	
			UNIT RATE	TOTAL PRICE
1.	Services cost for Welding, Cutting, Fabrication, Fit-up of pipes & fittings on per dia. inch basis as Per TOR (the cost must be inclusive of all types of equipment's, tools, machinery, consumable and PPE)	1,334 Dia. Inch.		
2.	Services cost for surface preparation and painting of pipes, fittings & equipment on per square meter basis as Per TOR (the cost must be inclusive of all types of equipment's, tools, machinery, consumable and PPE)	477 Sq. Mtr.		
3.	Services cost for sand blasting + primer coating of pipes, fittings and equipment on per square meter basis as Per TOR (the cost must be inclusive of all types of equipment's, tools, machinery, consumable and PPE)	477 Sq. Mtr.		
4.	Mob / Demob cost (Lump Sum) (to be paid after completion of work)	Lumpsum		
<b>TOTAL PRICE (inclusive of all taxes except PST/ICT) :</b>				

**Note:**

1. The prices should be inclusive of all applicable taxes, duties, levies, charges etc. (except Provisional Sales Tax/ICT Tax on Services in Pakistan).
2. OGDCL reserves the right to delete / cancel any activity mentioned in the scope. At the time of contractor mobilization, they will be informed about such deletion/cancellation of activity and payment will be adjusted accordingly.
3. No Advance payment will be made at the time signing the contract
4. Contract will be awarded to financially lowest evaluated bidder on complete package basis.
5. Payment will be made after submission of completion certificate and verified invoices duly signed by Field Manager, Relevant section Incharges.
6. Commercial Invoice should be included the activity list with pricing verified by filed official.
7. Sales Tax invoice with Annexure 'C', must be provided.