

OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT, ISLAMABAD
FOREIGN SECTION E

(To be completed, filled in, signed and stamped by the principal)

ANNEXURE 'A'

Material HYDRAULIC CRANE (50 TON) FOR NASHPA PLANT
Tender Enquiry No PROC-FE/CB/P&P-4305/2019
Due Date
Evaluation Criteria MAIN ITEM

SCHEDULE OF REQUIREMENT

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
1	HYDRUALIC CRANE 50 TON ROUGH TERRAIN AS PER SPECIFICATIONS ATTACHED	Number	1					

Note:

1. **Bid bond:** - Pursuant to tender clause # 2.2, 11.4, 13 & 35.3.2, bid bond amounting to US\$ 10,800/- (USD Ten Thousand Eight Hundred only) or equivalent in Pak Rupees should be submitted with the technical bid.
2. **Foreign Procurement Payment Terms also available at OGDCL website (Tender Tab)**
 - i. **Tender value more than US\$ 200,000:**
 Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 80 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 20% Payment will be released after receipt, inspection (in addition of pre-shipment inspection) and acceptance of material
3. **Evaluation Criteria:** MAIN EQUIPMENT WISE ON C&F BY SEA KARACHI BASIS. Bidder to quote UNIT PRICE and quantity of each recommended spare part in FINANCIAL BID ONLY. Unpriced list to be provided with Technical Bid.
4. **Shipment from ACU member Countries:** In case of shipment from ACU member countries, the LC beneficiary should be of that particular country from where the consignment is being shipped.
5. **Terms and conditions:**-Bidders are advised to carefully read all the terms and conditions of the Tender Document available at OGDCL website in the master tender document.
6. **Delivery Period:** 6 months after LC. *part of TOR*

Requirement: Crane (Hydraulic) 50 ton capacity, Rough Terrain

1- CRANE SPECIFICATIONS

S#	Required specifications	Range	Bidder offered specifications (bidder to fill this column in technical bid)
1	Crane type/capacity	Hydraulic Rough terrain crane 50 ton (at 2.5 ~ 3.2 m load center range) Model: bidder to mention Make: bidder to mention complete address of manufacturer	
2	Boom	4 (four) or 5 (five) Section full power partially synchronized telescopic boom of box construction with 4 to 5 Sheaves at boom head. The synchronization system comprising of 2 telescopic cylinders, extension cable and retraction cables. Hydraulic cylinders fitted with holding valves. Full retracted length 10-12 M Full extended length 33-42 M	
3	Jib	2-Stage with Triple offset. Single sheave at jib head. Length range...8.0 m and 14.0m	
4	Hoist	<i>Main Winch</i> Variable speed type with groove drum driven with hydraulic axial piston motor through speed reducer. Power load lowering and hoisting. Equipped with automatic brake	

		<p>(neutral brake) and counter balance valve. Hoist lever is fitted with a high-speed switch. Controlled independently of auxiliary winch.</p> <p><i>Hook Blocks</i> Details to be provided in bid <i>Auxiliary Hook Block</i> with swivel and safety latch. Wire rope: steel Complete details to be provided</p>	
5	Crane use in oil & gas sector	All the devices of crane should be suitable for working in Oil & gas processing plants i.e explosion proof electrical devices etc.	
6	Slewing	Hydraulic axial piston motor driven through planetary swing speed reducer. Continuous 360° full circle slewing on ball bearing. Equipped with manually locked/released slewing brake. Slewing speed to be provided in bid.	
7	Hydraulic system	<p>Multiple piston pumps for crane functions.</p> <p>Gear pump for steering, slewing and optional requirements.</p> <p>Powered by carrier engine. Pump disconnect for crane is engaged/disengaged by rotary switch from operator cab.</p> <p>Multiple valves actuated by pilot pressure with Integral pressure valves.</p> <p><i>Circuit</i> Equipped with air cooled type oil cooler and return line fittings.</p> <p>Reservoir capacity: to be provided in bid.</p>	
8	CAB	Steel construction with sliding door access and safety glass windows opening at sides, rear and roof. Cloth covered reclining seat with headrest is height	

		<p>adjustable and back-and-forth adjustable.</p> <p>Equipment: Engine start and stop switch. Accelerator lock button. Electric windshield wiper and electric sky-light wiper. Details about all other standard accessories, instruments, alarms & display etc inside cab to be provided in bid.</p>	
9	OUTRIGGERS	<p>4 Hydraulically operated outriggers.</p> <p>Each outrigger controlled independently from either side of carrier or cab. Equipped with sight level gauges. Floats mounted integrally with the jacks retract to within vehicle width.</p> <p>Following dimension to be provided in bid. Minimum extension, maximum extension, Float size (dia)</p>	
10	STABILITY/SAFETY CHARTS	<p>SAFETY DEVICES</p> <p>Boom Angle indicator Winch automatic fail-safe brake Winch drum lock Winch lever lock Hook safety latch Spring center system (Control levers) Hydraulic pressure relief valves Front jack overload alarm Pendant type over-winding cutout.</p>	
11	SAFETY DEVICES	<p>Should be equipped with working area limitation function.</p> <p>Auto moment limiter with multifunction should be able to automatically cuts out crane motions before over load.</p>	



12	ENGINE	<p>RH/LH drive 4x2 front drive, 4x4 front and rear drive.</p> <p>Model/make of engine to be confirmed in technical bid.</p> <p>Powered by water cooled 4 cycle, 6-cylinder in-line direct injection turbo charged diesel engine. Suitable for dusty and humid condition.</p> <p>Emission at least Euro-3</p> <p>250-300 hp at 2400 to 2600 R.P.M.</p> <p>Torque, bore, stroke, air cleaner, fuel filter, cooling , radiator, starting details to be provided in bid.</p>	
13	TRANSMISSION	Manual/automatic	
14	STEERING	Hydraulic power steering with steering wheel.	
15	Break system	<p>SERVICE /EMERGANCY Foot operated full air DISC break on all wheels,</p> <p>PARKING Mechanically operated by hand brake lever.</p> <p>AUXILIARY Eletro-pneumatic operated exhaust break.</p> <p>Upgraded options will also be considered.</p>	
16	Electrical system	<p>24-V DC</p> <p>2 batteries of 12 volt</p> <p>Alternator 24 V – 50 A</p>	
17	Tires	505/95R25 , Other compatible size is also acceptable and to be confirmed in bid.	
18	Standard equipment's	<p>Intake air heater</p> <p>AM Radio</p> <p>Sun Visor</p> <p>Speedometer with odometer</p> <p>Tachometer</p> <p>PTO hour meter</p> <p>Windshield wiper (with intermittent wiping) and washer</p>	

		Window glass: Tinted, Infrared and Ultraviolet rays absorption. Tool box with lock key Fenders Parking braked travel warning. Over shift prevention Over unwinding prevention	
19	Spare parts	Recommended spare parts are required for crane and carrier. A separate list of spare parts along-with the unit price and recommended quantity of each item should be submitted. The value of spare parts will not be considered in financial evaluation. The cost of spare parts is recommended to be within limit of <u>10%</u> of total bid value.	
20	Warranty	One-year warranty is required from the day the crane is commissioned at OGDCL site.	
21	Commissioning/testing/training at OGDCL site	Manufacturer / seller is required to arrange commissioning of the crane by its service supervisor/team at the OGDC fields alongwith training.	
22	After sale services	The manufacturer / seller should have well established after sales services and maintenance facilities in Pakistan.	
23	Sale references	Manufacturer should have its sales record to oil & gas companies/refinery/fertilizer/ petrochemical/ power sector etc internationally (outside the country of origin)	
24	Speed	Not less than 40 KM/H	
25	Crane dimensions	Bidder to provide length, width and height	
26	Gradeability	Tan θ : 65% stall, 30%	

27	Performance test/inspection	OGDCL will arrange 3 rd party inspection covering the key performance/safe operation test at manufacturer works and pre-shipment inspection. Manufacturer/seller to provide all data and information to OGDCL/3 rd party at inspection stage.	
28	Tools	Standard tool kit to be provided.	
29	Standard features	Complete hydraulic Crane with all standard features and attachments to be confirmed.	

Terms & Conditions/qualifying criteria

- (a) The crane manufacture should have minimum 7 years of manufacturing experience of hydraulic cranes.
- (b) The manufacturer/bidder should provide supply record of quoted make or model of hydraulic crane in Pakistan or other countries (outside the country of origin). Atleast 03 such references of supply record to be provided with complete name/address of client.
- (c) The crane manufacturer/seller should have well established after sale services in Pakistan. The details of after sale services showing maintenance & spare parts support for quoted make/model of cranes to be provided in technical bid.
- (d) The crane manufacturer should have valid international standard certificates for quality and safety.
- (e) The manufacturer to confirm for provision of in house inspections and performance testing records involved in manufacturing process for the quoted crane at the time of supply.
- (f) The manufacture/seller to arrange initial commissioning of crane and training at OGDCL site without any additional charges.
- (g) Bidder to confirm for provision of all the operational and maintenance manuals (in English language) in hard copy for the quoted crane.

- (h) OGDCL may carry out factory acceptance test (FAT) prior to shipment of crane. Manufacturer/Bidder/seller to confirm boarding, lodging, air tickets, hotel stay, meals etc in its scope for 02 (two) OGDCL engineers during visit to manufacturer site for the purpose of FAT.
- (i) OGDCL may carry out pre-shipment inspection of crane through 3rd party prior to its delivery. The manufacturer/seller will inform OGDCL at least 02 months prior to final performance test/shipment. Manufacturer/seller will give access to OGDCL nominated 3rd party representative for testing and inspection job at manufacturer works. The 3rd party inspection report will be submitted to OGDCL for final acceptance.
- (j) The crane to be provided complete in all respect with 100% conformance to all codes and standards. All the standard parts/equipments should be manufacturer/company fitted at right place with right capacity, quantity and size.
- (k) Manufacture/bidder to confirm standard guarantee/warranty for crane & all the equipments installed on it for 12 months after initial commissioning at site. Any repair/replacement work required during guarantee/warranty period will be fully in manufacturer/bidder scope.
- (l) OGDCL will provide boarding and lodging during commissioning and training at site.

Financial Bid format

S#	Description	Qty	Unit Price	Total Price C&F by sea
1	Crane 50 ton Rough terrain			
2	Factory acceptance test as per clause "h"			
3	02 year spare parts (with list, quantity and part numbers of each item)			
G. Total				

