



**OIL & GAS DEVELOPMENT COMPANY LIMITED**  
**PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD**  
**SCHEDULE OF REQUIREMENT**

**Due Date:**

**Material :FIRE DETECTORS & ACCESSORIES**

**Tender Enquiry No: PROC-LD/PT/P&P/18127**

**EVALUATION WILL BE CARRIED OUT ON FULL**

**Bid Bond Value : 345000**

**Attachment(if any) : YES**

Sr No	Description	Quantity	Make/Brand offered	Unit	Unit Price (PKR) Inclusive Of All Taxes Except GST	Unit Price (PKR) Inclusive of GST	Total Price (PKR) Inclusive of GST	Delivery Period Offered	deviation from Tender Spec. If Any
1	Multi Spectral IR Fire Detector For detail see attachment.	6		Number					
2	Manual Call Points For detail see attachment.	1		Number					
3	Fire and Gas Instrument Cable (1T x1.5mm2) For detail see attachment.	900		Meter					
4	Fire and Gas Instrument Cable ( 5C x1.5mm2 )For detail see attachment.	300		Meter					
5	Bulk Material For detail see attachment.	1		Lot					
6	Installation and Commissioning Services For detail see attachment.	1		Number					
7	Flame Simulator compatible with installed fire detectors(model Sharp Eye 40/40-1) at sale gas compressors-A/B/C/OH;For detail see attachment..	1		Number					

**Special Note:** The prospective bidders also download the master set of Tender Document

- The prospective bidders may keep in touch with OGDCL web site for downloading the clarifications/amendments (if any) issued by OGDCL.
- **BID VALIDITY: 120 DAYS AFTER TECHNICAL BID OPENING. PAYMENT TERM: 100% AFTER DELIVERY, INSTALLATION & COMMISSIONING. DELIVERY LOCATION: NASHPA FIELD, DELIVERY PERIOD: 04 MONTHS, INSTALLATION & COMMISSIONING: 02 WEEKS DURNG ATA.**



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**Mandatory Checklist**

Please confirm the compliance of the following mandatory information along with the bid(s) (failing which bids(s) will not be accepted)

Documents	To be Attached with the Technical/Financial Bids	Compliance	
		Yes <input type="checkbox"/>	No <input type="checkbox"/>
Original Bid Bond	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of NTN Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of GST Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Confirmation that the Firm is appearing on FBR's Active Taxpayer List	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-A (Un-priced)</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-B</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-D</b>	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-L</b> on Company's Letterhead	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-M</b> on Company's Letterhead	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped <b>Annexure-N</b> on Non-Judicial Stamp Paper duly attested by Notary Public	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-A (Priced)</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-C</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped <b>Annexure-E</b>	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>



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For the Vendors/Contractors who opt to submit Bank Draft/Call Deposit/Pay order against Bid Bond/Performance Bond, our Accounts Department has finalized an arrangement for online payment to such Vendors/Contractors, which will be processed through (IBFT & LFT) for which following information is required:

i.	IBAN No. (International Bank Account Number 24 Digits)	
ii.	Vendor Name as per Title of their Bank Account	
iii.	Contact No. of Company's CEO/ Owner (Mobile & Landline)	
iv.	Bank Name.	
v.	Bank Branch Name and Code	

Name, Sign and Stamp of the authorized official of the Bidder(s) \_\_\_\_\_

Details of the indent NOF/INST/197/2020

ITEM # 1

Multi Spectral IR Fire Detector; Temperature: -40 to 80C; Relative humidity: 0-95%; Toxic Agent: Yes; Corrosive Agent: Yes; Type: Multispectrum; LED Alarm Indication: Yes; Operating Wavelength: (Hydrocarbon) 4-5 Micron; Response Time: Less than 10s; Optics Heated: Yes; Cone Of Vision: 90\* Horizontal - 90\* Vertical; Immunity- Sun/Flare: Yes; Measuring distance: Upto 60m; Power Supply: 18-30 Vdc, Output: 4-20mA/Relay Option; Connection: 3-wire (24V, Com, 4-20mA); Status Indicator: Two LED's with status and fault; Communication: Hart/RS-485 Modbus RTU; Area: Class I, Div. 1, Groups A,B,C,D (T5); Material: SS explosion proof enclosure; Ingress protection: IP66; Sunshade: Required; Approvals: TUV-SIL2 certified plus FM, CSA, CENELEC/ATEX, CE; Make: MSA or equivalent.

ITEM # 2

Manual Call Points; Material: Anti-static UV resistant glass reinforced polyester; Finish: Red painted finish as standard Voltage: 24VDC; Ingress protection: IP66 & IP67; Entries: Upto 4 entries, M20 top and bottom (1/2" NPT available on UL Version); Terminals: 7 x 2.5mm<sup>2</sup>- standard, 9 x 2.5mm<sup>2</sup> optional upto 60v Only; Resistors: Various configurations available on versions up to 24V and all "IS" versions. (Minimum resistor value 100ohm PBE, 470ohm PBI); Switch (Double changeover switches fitted); Switch Ratings: Switch only 30vDc 5a (resistive) or 3A inductive; 30-50Vdc 1A (resistive or inductive); 250Vac5A (resistive or inductive); LED 24Vdc 0.05A; Resistor(s) 24Vdc 0.05A; Make: MEDC or equivalent.

ITEM # 3

Fire and Gas Instrument Cable 1T x 1.5mm<sup>2</sup>; Type: CU/PE/OSCR/PVC/SWA/PVC; Conductor: Copper 99.9% Protection: Galvanized Steel wire armouring; Operating Temp: 0- 125\*C; Category: Fire resistant according to IEC 60331.

ITEM # 4

Fire and Gas Instrument Cable 5C x 1.5mm<sup>2</sup> CU/PE/OSCR/PVC/SWA/PVC

ITEM #5

BULK MATERIAL AS FOLLOWS.

Yellow / Green Earthing Cable 10mm sq	Qty: 90 Meter.
Galvanized Base Plate 300mmx300mmx10mm	Qty: 5 No.
Rib Plate 150mm x 100mm x 50mm	Qty: 15 No.
Conduit 1.5 inches	Qty: 30 meter.
U-Bolt 1.5 inch with Nutt & Washers	Qty: 60 No.
U-Bolt 2 inch with Nutt & Washers	Qty: 10 No.
Anchor Bolt 18mm Dia, L= 75mm	Qty: 4 No.
Angle 40x40mm T=6mm for cable tray and conduit support	Qty: 50 Meter.
J Bolts 18mm Dia, L= 400mm	Qty: 16 No.
Nut Bolt of Different sizes	(As per requirement)
SS cable ties 200mm	(As per requirement)
PVC cable ties 200mm	(As per requirement)
Cable Lugs For Core Size 1.5mm <sup>2</sup> , Hollow and Pin type (each)	(As per requirement)
Earthing thimble M10	(As per requirement)
Fiber Based sealing compound	(As per requirement)
wire tags	(As per requirement)
SS-Cable Tags 10mm(W)x75mm(L)	Qty: 100 No.
Reducing Bush Brass M25 to M20	Qty: 6 No.
Fire Detector MS support	Qty: 2 No.
Warning Tape, 75mm Printed with Caution Sign	Qty: 250 Mtr.
Cable Route Marker For Cable trench	Qty: 15 No.

ITEM # 6

Installation and Commissioning Services:

Scope of Work:

- 1-Laying of Instrument cable in the cable trenches, existing and new cable trays (ogdcl will provide the cable trays).
- 2-Installation of cable tray including tray support, joint plates, cable tray cover, clamps, nut bolts & washers.
- 3-Installation of conduits including support, conduit fittings (socket, long bend tee etc), U-clamps, nut bolts & washers as required from field instrument to junction boxes



- 4- Installation of glands (Explosion Proof EExd in outdoor areas and weather / water proof in indoor areas), shrouds, cable lugs, cable tagging, cable dressing with cable ties etc. (ogdcl will provide the cable glands).
- 5- Termination of all cables (Field and Marshalling side).
- 6-Installation of poles for Fire detector and Manual call point.
- 7-Installation and commissioning of FD and MACP.
- 8-Complete documentation of the project including all type of drawings ( P&ID,PFD,Logic,Interlocking,Termination etc.)
- 9-Bidders (two representatives only) are encouraged to have a field visit for better understanding of the scope of work before submission of technical bid.
- 10-Civil Scope of Work: (200 Meter )  
Manual Excavation of cable trenches (due to existing underground cables), laying, backfilling and compaction of 600mm (W) x 1000mm (D) cable trench.The activity includes cable laying directly buried under ground, in paved area laid in preformed cable-channel, complete in all respects as per site requirements.
- 11-Civil Foundation: ( 04-Nos.)  
Fire Detector pole shall be installed on civil foundation whose size is 600X450X450mm and foundation ratio must be 1:2:4 PCC.J-bolt will be insert into the civil foundation.
- 12-Cable Route Marker: ( 15 Nos.)  
Cable Route Marker shall be installed on civil foundation whose size is 150mmx150mmx150mm and foundation ratio must be 1:2:4 PCC.Ms Angle 25mm will be insert into the civil foundation.

#### Supplier Responsibility;

- 13- This is turnkey project.
- 14- The vendor/supplier are encouraged to visit site to clearly understand the scope of work.
- 15-Staff/Official's clearance from local police.
- 16-Pick & drop of staff/officials.
- 17-If any person will not follow OGDCL/client rules toward job execution, will be immediately replaced.
- 18-Messing will be charged on actual.
- 19-Test equipment for Function test / calibration of supplied Fire Detectors.
- 20-Fabrication / welding of poles / cable tray support as per site condition.
- 21-Complete Compliance of HSE rules during job. Vendor will bring all PPE's either in case of work at height or ground.
- 22-Scaffolding material will be provided by OGDCL while labour services (scaffolder) will be scope of vendor.
- 23-The execution of project will be performed in Annual Turn around.
- 24- OGDCL will only provide the electric supply 220VAC/24VDC and accomodation.
- 25- Delivery period for material is 120 days after the issuance of LPO and installation & commissioning period is 02 weeks in the Annual tern around (ATA) of Nashpa plant.

#### Item # 7

Flame Simulator compatible with installed fire detectors (model Sharp Eye 40/40-1) at sale gas compressors-A/B/C/Over Head  
Temperature range -4degF to +122degF (-20degC to +50degC); ;Power 14.8V rechargeable lithium-ion battery;Maximum current 4A;Explosion-proof enclosure ATEX and IECEx approved;Ex II 2 G D;Ex d ib op is IIB + H2 T5 Gb;Ex ib tb IIIC T135degC Db;-20degC to +50degC; Water and dust tight IP65.

3-5/5  
  
  
 MOHAMED ZIA  
 (ELECT)