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

Material :**PROCUREMENT OF FILTER ELEMENTS** **Due Date:**

Tender Enquiry No: **PROC-LH/PT/P&P-18594**

**Bid Bond Value : RS. 100,000/-**

**Attachment(if any) : YES**

**EVALUATION WILL BE CARRIED OUT ON FULL**

| 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 | RO Plant Cartridge; 1 micron, 40" for F-8706 as per attached TOR | 20 | | Number | | | | | |
| 2 | RO Plant Cartridge; 5 micron, 40" for F-8705 as per attached TOR | 20 | | Number | | | | | |
| 3 | CARBON BED AFTER FILTERS, Filter Element Size: Dia 150x1030mm (length with end caps), REMOVAL OF 10 MICRON 100%, For F-4402A/B & F-5402A/B as per attached TOR | 24 | | Number | | | | | |
| 4 | CONDENSATE FILTERS, REMOVAL OF 5 MICRON 98%, For F-7101A/B & F-7201A/B, Filter Element Size: OD=9.5 cm, ID=5.4 cm, L=98.4 cm as per attached TOR | 12 | | Number | | | | | |
| 5 | LEAN AMINE FILTERS, Filter Element Size: Dia 150 x1030mm (length with end caps), REMOVAL OF 10 MICRON 99.98%, For F-4401A/B & F-5401A/B as per attached TOR | 240 | | 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.
- DELIVERY TERM: WITHIN 120 DAYS AFTER ISSUANCE OF LPO ON F.O.R KUNNER PLANT. PAYMENT TERM: AFTER DELIVERY ANI INSPECTION. BID VALIDITY: 180 DAYS FROM THE OPENING DATE OF TECHNICAL BID.

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

**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 | |
|---|---|---|---|
| Original Bid Bond | Technical Bid | Yes ☐ | No ☐ |
| Copy of NTN Certificate | Technical Bid | Yes ☐ | No ☐ |
| Copy of GST Certificate | Technical Bid | Yes ☐ | No ☐ |
| Confirmation that the Firm is appearing on FBR's Active Taxpayer List | Technical Bid | Yes ☐ | No ☐ |
| Duly signed and stamped **Annexure–A (Un–priced)** | Technical Bid | Yes ☐ | No ☐ |
| Duly filled, signed and stamped **Annexure–B** | Technical Bid | Yes ☐ | No ☐ |
| Duly filled, signed and stamped **Annexure–D** | Technical Bid | Yes ☐ | No ☐ |
| Duly filled, signed and stamped **Annexure–L** on Company's Letterhead | Technical Bid | Yes ☐ | No ☐ |
| Duly signed and stamped **Annexure–M** on Company's Letterhead | Technical Bid | Yes ☐ | No ☐ |
| Duly signed and stamped **Annexure–N** on Non–Judicial Stamp Paper duly attested by Notary Public | Technical Bid | Yes ☐ | No ☐ |
| Duly filled, signed and stamped **Annexure–A (Priced)** | Financial Bid | Yes ☐ | No ☐ |
| Duly filled, signed and stamped **Annexure–C** | Financial Bid | Yes ☐ | No ☐ |
| Duly filled, signed and stamped **Annexure–E** | Financial Bid | Yes ☐ | No ☐ |

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

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) _____

# OIL & GAS DEVELOPMENT COMPANY LTD

## TOR FOR

## PROCUREMENT OF FILTER ELEMENTS FOR KPD-TAY PLANT

# CONTENTS

## 1.0 INTRODUCTION:

Oil and Gas Development Company Ltd (OGDCL) is Pakistan's National Oil & Gas Exploration and Production Company. OGDCL is currently operating Country's largest Oil & Gas sector including saleable Oil & Gas Processing Plants.

Kunnar-Pasakhi-Deep and Tando-Allah-Yar (KPD-TAY) is a Gas & LPG Processing Plant, located in Hyderabad District about 25 km away from Hyderabad and approx. 195 km from Karachi, Sindh Province of Pakistan. The Plant is comprised of two gas processing trains installed in the close proximity of oil wells. The processing plant is connected with the wells through gas gathering network which terminates into slug catcher at the process plant premises.

OGDCL intends to purchase Filter Elements in mentioned quantities as per section 3, from an experienced and well reputed manufacturer / contractor / supplier to fulfil the operational requirement.

## 2.0 DEFINITIONS, ERRORS & CONFLICTS:

| | | |
|---|---|---|
| Owner /Company | : | Oil & Gas Development Company Limited (OGDCL) |
| Supplier /Contactor | : | Parties, which vendors and / or supplies material, equipment and services to perform the duties as specified by Company in the scope of supply. |

### 2.1 Errors or Omissions:

2.1.1 Review and comment by the Company at any Contractor / Supplier's drawings, procedures or documents shall only indicate acceptance of general requirements and shall not relieve the Contractor / Supplier of its obligations to comply with the requirements of this specification and other related parts of the contract documents.

2.1.2 Any errors or omissions noted by the Contractor / Supplier in this Specification shall be immediately brought to the attention of the Company.

### 2.2 Conflicting Requirements:

In the event of conflict, inconsistency or ambiguity between this Specifications, National Codes & Standards referenced in this Specification or any other documents, the Contractor/ Supplier shall refer to the Company whose decision shall prevail.

## 3.0 SCOPE OF SUPPLY:

The scope covers supply of Filter Elements in below mentioned quantities & specifications provided below and Annexure-A.

<table>
<tr><th>Sr #</th><th>Description</th><th>Order Quantity</th><th>Order Unit</th></tr>
<tr><td>3.1</td><td>LEAN AMINE FILTERS, Filter Element Size: Φ150 x1030mm (length with end caps), REMOVAL OF 10 MICRON 99.98%, For F-4401A/B & F-5401A/B<br><u>Vessel Conditions:</u>
<table>
<tr><td>Operating Temp</td><td>°F</td><td>120</td></tr>
<tr><td>Operating Press.</td><td>Psig</td><td>95</td></tr>
<tr><td>Design Press.</td><td>Psig</td><td>200</td></tr>
<tr><td>Flow</td><td>GPM</td><td>265</td></tr>
<tr><td>Process Fluid</td><td colspan="2">Lean Amine (MDEA)</td></tr>
</table>
<u>Filter Data:</u><br>Cartridge length: 1004 ± 2 mm<br>Total length with end caps: 1030 ± 2 mm<br>Inner diameter: 79 ± 0.5 mm<br>Outer diameter: 150 ±1 mm<br>Rating: 10 Micron (Nominal)<br>End Connections: 434 O-ring / Flat closed<br>O-ring Material: NBR (Buna - N)<br>Inner core material: 100% Polypropylene<br>Filter Media: 100% Polypropylene<br>Outer Cover: Polypropylene Socks<br>Maximum Operating Temperature: 82°C<br>Differential Pressure Rating: Minimum 20 PSID</td><td>240</td><td>Number</td></tr>
<tr><td>3.2</td><td>CARBON BED AFTER FILTERS, Filter Element Size: Dia 150 x 1030 mm (length with end caps), REMOVAL OF 10 MICRON 100%, For F-4402A/B & F-5402A/B<br><br><u>Vessel Conditions:</u>
<table>
<tr><td>Operating Temp</td><td>°F</td><td>120</td></tr>
<tr><td>Operating Press.</td><td>Psig</td><td>85</td></tr>
<tr><td>Design Press.</td><td>Psig</td><td>200</td></tr>
<tr><td>Flow</td><td>GPM</td><td>265</td></tr>
<tr><td>Process Fluid</td><td colspan="2">Lean Amine (MDEA)</td></tr>
</table>
<u>Filter Data:</u><br>Cartridge length: 1004 ± 2 mm<br>Total length with end caps: 1030 ± 2 mm<br>Inner diameter: 79 ± 0.5 mm<br>Outer diameter: 150 ±1 mm<br>Rating: 10 Micron (Nominal)<br>End Connections: 434 O-ring / Flat closed<br>O-ring Material: NBR (Buna - N)<br>Inner core material: 100% Polypropylene<br>Filter Media: 100% Polypropylene</td><td>24</td><td>Number</td></tr>
</table>

<table>
<tr><td></td><td>Outer Cover: Polypropylene Socks<br>Maximum Operating Temperature: 82°C<br>Differential Pressure Rating: Minimum 20 PSID</td><td></td><td></td></tr>
<tr><td>3.3</td><td>CONDENSATE FILTERS, REMOVAL OF 5 MICRON 98%, For F-7101A/B & F-7201A/B,<br><u>Vessel Conditions:</u>
<table>
<tr><td>Operating Temp</td><td>°F</td><td>70-95</td></tr>
<tr><td>Operating Press.</td><td>Psig</td><td>400</td></tr>
<tr><td>Design Press.</td><td>Psig</td><td>600</td></tr>
<tr><td>Flow</td><td>BPD</td><td>2700</td></tr>
<tr><td>Process Fluid</td><td colspan="2">Condensate</td></tr>
</table>
<u>Filter Data:</u><br>Length with end caps: 990 ± 2 mm<br>Outer diameter: 95 ±1 mm<br>Inner diameter: 54 ± 0.5 mm<br>Rating: 5 Micron (Nominal)<br>End Connections: SOE, Galvanized Steel End Caps<br>O Ring: AS 568A standard: 225<br>O-ring Material: NBR<br>Inner core material: Galvanized Steel<br>Filter Media: 100% Polypropylene<br>Outer Cover: Cotton Socks<br>Maximum Operating Temperature: 82°C<br>Differential Pressure Rating: Minimum 20 PSID</td><td>12</td><td>Number</td></tr>
<tr><td>3.4</td><td>RO Plant Cartridge; 5µm, 40" for F-8705<br><u>Vessel Conditions:</u>
<table>
<tr><td>Operating Temp</td><td>°F</td><td>80-100</td></tr>
<tr><td>Operating Press.</td><td>Psig</td><td>40.61</td></tr>
<tr><td>Design Press.</td><td>Psig</td><td>87</td></tr>
<tr><td>Flow</td><td>GPM/BPD</td><td>37.3/1268.6</td></tr>
<tr><td>Process Fluid</td><td colspan="2">RO Water</td></tr>
</table>
<u>Filter Data:</u><br>Cartridge length: 1016 ± 2 mm<br>Inner diameter: 27.5 ± 0.5 mm<br>Outer diameter: 63.5 ± 1 mm<br>Rating: 5 Micron (Nominal)<br>End Connections: DOE (Double Open End)<br>Inner core material: 100% Polypropylene<br>Filter Media: 100% Polypropylene<br>Maximum Operating Temperature: 82°C<br>Differential Pressure Rating: Minimum 20 PSID</td><td>20</td><td>Number</td></tr>
</table>

<table>
<tr>
<td>3.5</td>
<td>RO Plant Cartridge; 1µm, 40" for F-8706<br><u>Vessel Conditions:</u>
<table>
<tr><td>Operating Temp</td><td>°F</td><td>80-100</td></tr>
<tr><td>Operating Press.</td><td>Psig</td><td>75.42</td></tr>
<tr><td>Design Press.</td><td>Psig</td><td>91.37</td></tr>
<tr><td>Flow</td><td>GPM/BPD</td><td>22/754</td></tr>
<tr><td>Process Fluid</td><td colspan="2">Second Stage RO Water</td></tr>
</table>
<u>Filter Data:</u><br>
Cartridge length: 1016 ± 2 mm<br>
Inner diameter: 27.5 ± 0.5 mm<br>
Outer diameter: 63.5 ±1 mm<br>
Rating: 1 Micron (Nominal)<br>
End Connections: DOE (Double Open End)<br>
Inner core material: 100% Polypropylene<br>
Filter Media: 100% Polypropylene<br>
Maximum Operating Temperature: 82°C<br>
Differential Pressure Rating: Minimum 20 PSID</td>
<td>20</td>
<td>Number</td>
</tr>
</table>

## 4.0 TERMS & CONDITIONS:

4.1 Bidder must have minimum five years of experience in manufacturing of similar filter elements. Bidder must provide relevant document to prove five year experience & also provide the evidence that offered filters are being used in similar applications.

4.2 Bidder to confirm that filter material will preferably be European/USA/Middle East Origin and that 3rd party MTCs/MSDS of Filter Media by corresponding OEM will be provided prior to delivery.

4.3 In order to eliminate any confusion regarding specifications, shape, design and dimensions, bidders may visit the KPD-TAY Plant site for collection of any technical / dimensional data of existing installed filters prior to bidding (if required). However, this would not relieve bidder from any sort of responsibility to ensure supply of high quality product or from any third party inspection or certification whose requirement has been set forth in this tender document.

4.4 OGDCL will provide food & accommodation at site if any representative of the bidder will visit KPD-TAY site for any technical clarification before bidding or after award of the contract.

4.5 Bidder to confirm that each filter will be packed in secure & robust packing (preferably of hard cardboard), stacked on pellets for easy transportation and handling, tied and wrapped with polythene or equivalent sheet capable of securing from humidity / rain water ingress. Handling instructions along with symbols also to be pasted on each pallet packing.

4.6 Filter elements must be new & free from any defect.

4.7 Filter elements must have standard OEM warranty/guarantee as per OGDCL tender requirement.

4.8 Bidder to confirm that proposed filter elements would be 100% replacement of specified filters with same efficiency, fits & tolerances. Bidder must provide the detailed drawing(s), technical specification(s) and documentary evidence / proof that supplied Filter elements are exact replacement of Filter elements specified in this documents and other referred.

4.9 If bidder finds any ambiguity in specification, dimension or any technical detail / data, it should be clarified prior to bid submission.

4.10 Bidder shall also provide the satisfactory performance certificate from at least two end users utilizing bidder's filter elements.

4.11 If required, the filter element sample can be provided to the successful bidder to avoid any ambiguity at later stage.

4.12 Payment will be made after Delivery / transportation to KPD-TAY Plant & satisfactory inspection of material.

4.13 All filter elements shall be delivered at KPD-TAY Plant within 120 days after placement of Purchase Order.

## 5.0 FINANCIAL BID FORMAT:

| Sr. No. | Description | Price in PKR |
|---|---|---|
| 5.1 | Cost of Filter Elements as per required quantities *(Unit cost must be provided as per table mentioned in section 3, Scope of Supply)* | |
| 5.2 | Packing & Transportation Cost | |
| | Total Cost | |

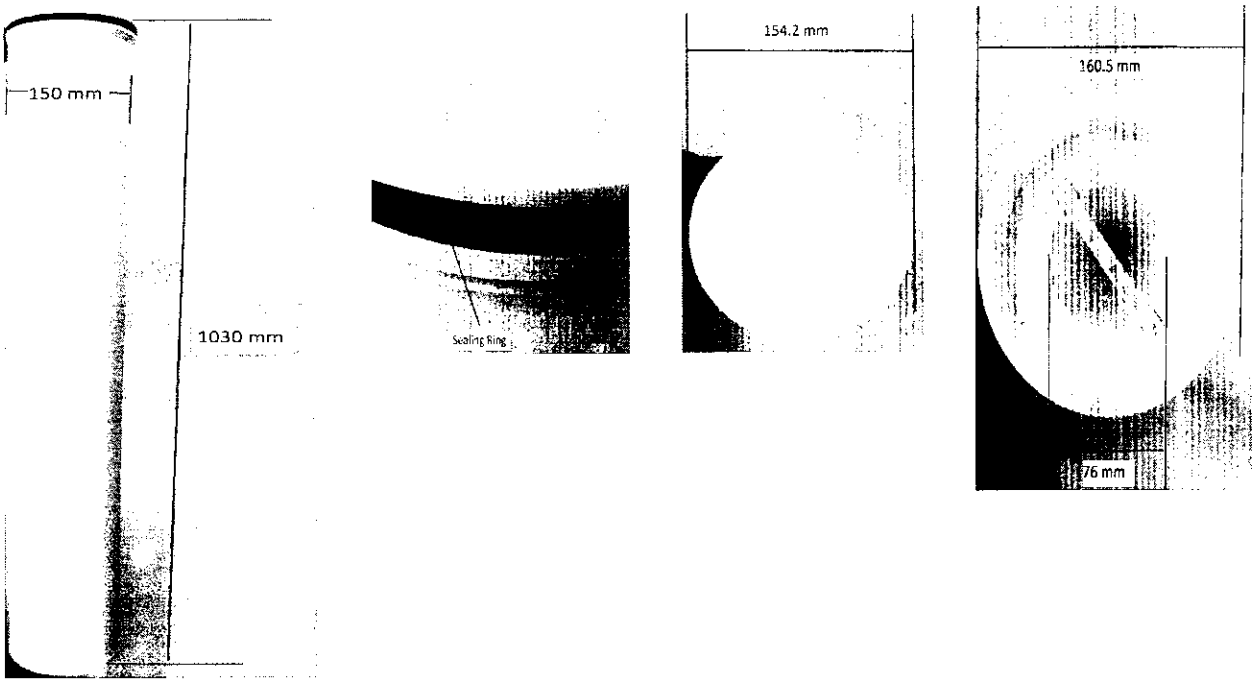
Note:

i. Bid price must be quoted in PKR otherwise the bid will be rejected.
ii. Bid price shall be inclusive of all taxes, duties, levies, charges etc. GST should be mentioned separately.
iii. Contract will be awarded to technically qualified and financially lowest evaluated bidder complete package wise.

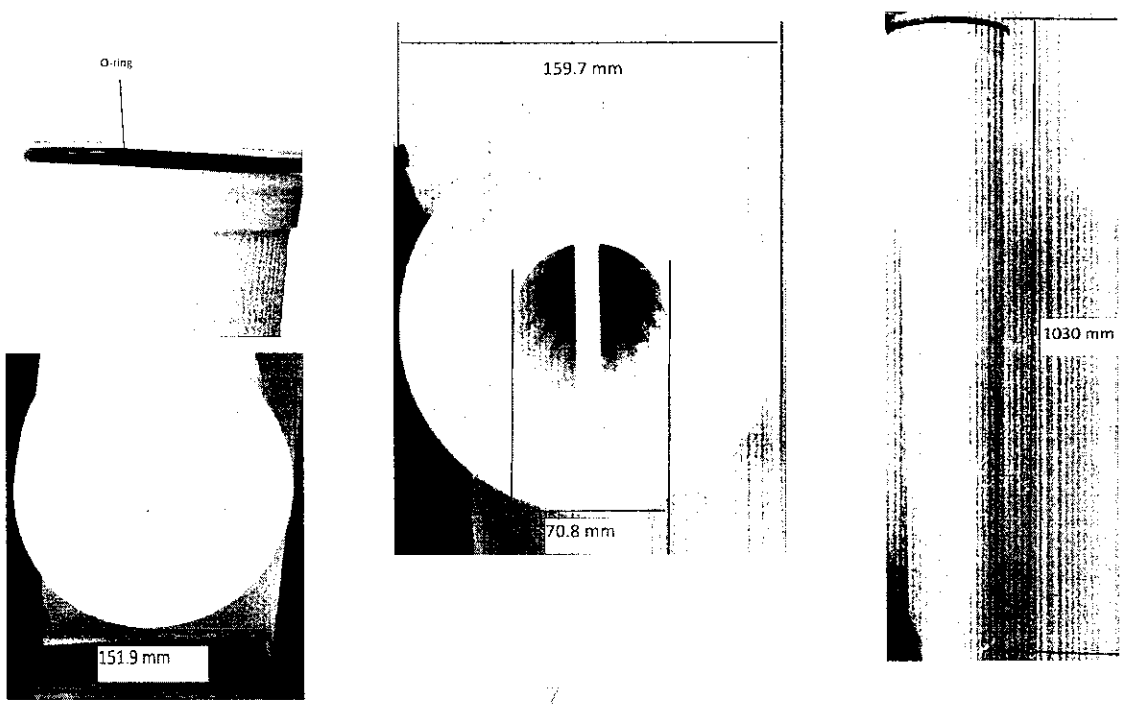
## 6.0 ANNEXURE – A:

# Pictures of filter elements with dimensions

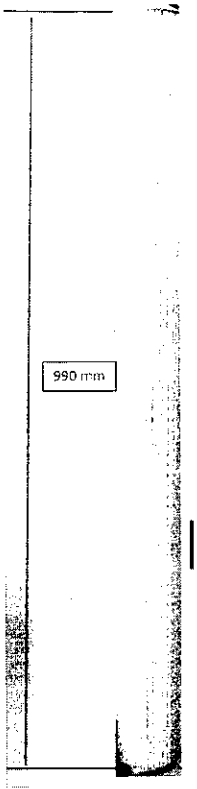
| | | | |
|---|---|---|---|
| 1. | LEAN AMINE FILTERS, REMOVAL OF 10 MICRON 99.98%, For F-4401A/B & F-5401A/B | 240 | Number |

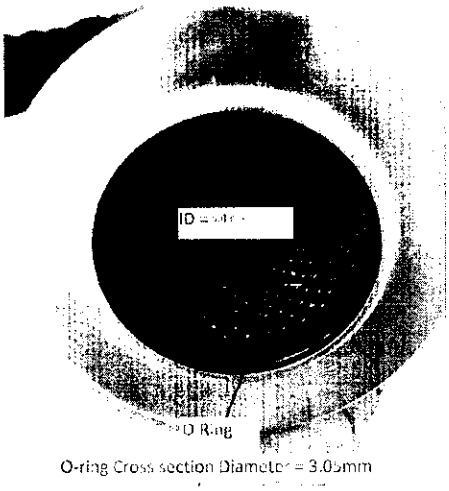


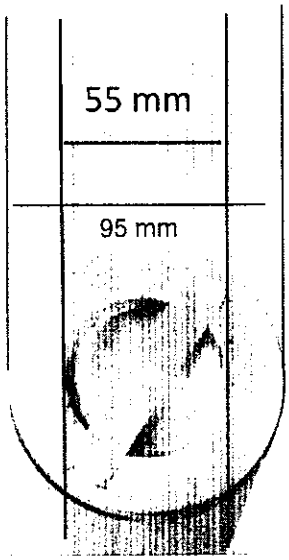

| | | | |
|---|---|---|---|
| 2. | CARBON BED AFTER FILTERS, REMOVAL OF 10 MICRON 100%, For F-4402A/B & F-5402A/B | 24 | Number |



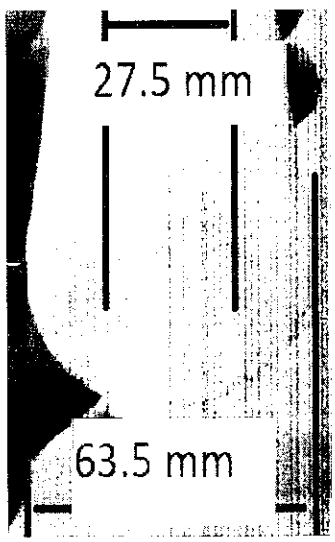
| | | | |
|---|---|---|---|
| 3. | CONDENSATE FILTERS, REMOVAL OF 5 MICRON 98%, For F-7101A/B & F-7201A/B | 12 | Number |




| | | | |
|---|---|---|---|
| 4. | RO Plant Cartridge; 5µm, 40" for F-8705 | 20 | Number |

| | | | |
|---|---|---|---|
| 5. | RO Plant Cartridge; 1µm, 40" for F-8706 | 20 | Number |