Section II: Schedule of Requirements eSourcing reference:

Background:

The sanitation infrastructure at Aden city comprises 391 km sewer network, 65 sewage pumping stations 3 wastewater treatment plants, and 103,169 wastewater connections.

Aden Water and Sanitation Local Corporation (AWSLC), has more than 100 sewage pumps, part of them are Sulzer / ABS submersible sewage pumps. So, the AWSLC asked for assorted spare parts (Type: - Sulzer / ABS). This spare part will use by the AWSLC to repair the dysfunctional submersible sewage pumps at 11 sewage pumping stations

General

- 1. Ambient temperature Max. 50°C. Min 25°C.
- 2. Relative Humidity Max. 98°C Min 65°C.
- 3. Altitude: 100 meter ASL.

Scope:

Supply and delivering to AWSLC/warehouse of Spare parts for 11 wet-well submersible Sulzer sewage pumps according to their models and quantities that mentioned at BoQs.

Technical Specifications

Pumps Type: wet-well submersible pumps

Pumped fluid: Raw sewage Operation: Continuous Pump Make: ABS/SULZER

| No | UNOPS <u>minimum</u> technical requirements | | Pump Model | Is quotation compliant? Bidder to | Details of goods offered. Bidder to complete |
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| | Item | Descrip tion | complete | | Sompleto |
| | | Model | XFP 150E-CB1.2 PE90/4 E-50EX | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 1 | Spare parts for ABS/Sulzer make Submersible Sewage Pumps. | Nr | GX7D1H222111211 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | S/N | 0023700 - 918302 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 1.1 | Impeller | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model |



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| | | | | | offered if applicable |
| | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | Repair kit | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 1.2 | Nepali Kit | S/N Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable | |
| 1.3 | Statos | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 1.3 | Stator | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 1 4 | Cable | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 1.4 | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |



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| 2 | | Model | (FP 150G-CB1.3 PE185/4 G-50EX ☐ Yes ☐ No | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | Spare parts for ABS/Sulzer make Submersible Sewage Pumps. | Nr | GXD21H321111232 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | S/N | 0010120 - 928998 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 2.1 | Impellor | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 2.1 | Impeller | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 2.2 | Donair kit | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 2.2 | Repair kit | s/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 2.3 | Stator | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and |

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| | | | | | brand/model offered if |
| | | S/N | Bidder to state | □ Yes □ No | applicable Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 2.4 | Cable | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | Cubic | s/n | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | Model | XFP150G-CB1.3-PE160/4-G-50EX | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 3 | Spare parts for ABS/Sulzer make Submersible Sewage Pumps | Nr | GXD31H311111242 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | S/N | S/N | 0006355 - 869873 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 3.1 | Impeller | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | S/N | Bidder to state | ☐ Yes ☐ No | Insert details of goods offered, |

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| | | | | | including specifications, picture, and brand/model |
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| | | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model |
| | | | | | offered if applicable |
| 3.2 | Repair kit | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 3.3 | Stator | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 2.4 | Cohlo | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 3.4 | Cable | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 4 | Spare parts for ABS/Sulzer make Submersible Sewage Pumps | Model | XFP150G-CB1.5-PE110/4-G-50EX | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model |



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| | | Nr | GXD51H521111232 | ⊠ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | S/N | 0010124 - 929012 | ⊠ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 4.1 | Impeller | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 4.1 | Пірепеі | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 4.2 | Popair kit | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 4.2 | Repair kit S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable | |
| 4.3 | Stator | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |

| | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
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| 4.4 | Cable | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 7.7 | Cable | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | Model | XFP100G-CB1.1 PE220/4 G-50EX | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 5 | Spare parts for ABS/Sulzer make Submersible Sewage Pumps | Nr | GX911H12111232 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | s/N | 0010123 - 929009 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 5.1 | Impeller | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and |

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| | | | | | brand/model offered if applicable |
| 5.2 | | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 5.2 | Repair kit | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 5.3 | Stator | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 3.3 | State | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 5.4 | Cable | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 3.4 | Cable | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 6 | Spare parts for ABS/Sulzer make Submersible Sewage Pumps | Model | XFP100E-CB1.2-PE90/4-E-50EX | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |



| | | Nr | GX6D1H221111211 | ⊠ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
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| | | S/N | 0025598 - 929014 | ⊠ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | Impeller | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 6.1 | Impeller | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 6.2 | Repair kit | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 6.3 | Stator | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and |

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| | | | | | brand/model |
| | | | | | offered if applicable |
| 6.4 | Cable | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 0.4 | Cable | s/n | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | Model | XFP100E-CB1.2-PE90/4-E- 50EX | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 7 | Spare parts for ABS/Sulzer make Submersible Sewage Pumps. | ake Submersible Sewage mps. | GX6E111311111211 | ⊠ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | S/N | 0017212 - 872215 | ⊠ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 7.1 | Impeller | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |

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| 7.2 | Popair kit | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | Repair kit | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | Stator | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 7.3 | Statul | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 7.4 | Califo | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 7.4 | Cable | s/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 8 | Spare parts for ABS/Sulzer make Submersible Sewage Pumps. | Model | XFP100E-CB1.5-PE40/4-E- 50EX | ⊠ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | Nr | GX6F1H521111211 | ⊠ Yes □ No | Insert details of goods offered, including |

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| | | | | | including |
| | | S/N | | ☐ Yes ☐ No | specifications, |
| | | 3/14 | | □ 165 □ NO | picture, and |
| | | | | | brand/model offered if |
| | | | 0017212 - 872215 | | applicable |
| | | | | | Insert details of |
| | | | | | goods offered, |
| | | | | | including specifications, |
| | | Model | Bidder to state | ☐ Yes ☐ No | picture, and |
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| | | | | | goods offered, |
| 8.1 | Impeller | | | | including |
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| | | | | | picture, and brand/model |
| | | S/N | Bidder to state | □ Yes □ No | offered if |
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| | | | | | Insert details of |
| | | | | | goods offered, |
| | | | Bidder to state | □ Yes □ No | including specifications, |
| | | Model | | | picture, and |
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| | | | | | offered if |
| 8.2 | Repair kit | | | | applicable Insert details of |
| | | | | | goods offered, |
| | | | | | including |
| | | S/N | Bidder to state | ☐ Yes ☐ No | specifications, |
| | | , | | | picture, and brand/model |
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| | | | | | Insert details of |
| | | | | | goods offered, including |
| | | | D. H. C. C. | | specifications, |
| 8.3 | | Model | Bidder to state | ☐ Yes ☐ No | picture, and |
| | Stator | | | | brand/model |
| 3.3 | | | | | offered if |
| | | | | | applicable Insert details of |
| | | C/N | Piddor to ototo | □ Ves □ Ne | goods offered, |
| | | S/N | Bidder to state | ☐ Yes ☐ No | including |
| | | | | | specifications, |

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| | | | | | picture, and brand/model |
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| | | | | | goods offered, |
| | | | | | including |
| | Cable | Model | Bidder to state | ☐ Yes ☐ No | specifications, picture, and |
| | | | | | brand/model |
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| 8.4 | | | | | applicable |
| 0.4 | | | | | Insert details of |
| | | | | | goods offered, |
| | | | | | including specifications, |
| | | S/N | Bidder to state | ☐ Yes ☐ No | picture, and |
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| | | | | | offered if |
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| | | | | | Insert details of goods offered, |
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| | | | | | specifications, |
| | | Model | | ☐ Yes ☐ No | picture, and |
| | | | | | brand/model |
| | | | XFP100E-CB1.1-PE90/4-E- | | offered if |
| | | | 50EX | | applicable Insert details of |
| | | Nr | | | goods offered, |
| | Spare parts for ABS/Sulzer | | | | including |
| 9 | make Submersible Sewage Pumps. | | | | specifications, |
| | | | | | picture, and |
| | | | GX6D1H121111211 | | brand/model |
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| | | | | | Insert details of |
| | | | | | goods offered, |
| | | S/N | | | including |
| | | | | ☐ Yes ☐ No | specifications, |
| | | | | | picture, and brand/model |
| | | | | | offered if |
| | | | 0025592 - 929001 | | applicable |
| | Impeller | | | | Insert details of |
| | | | | | goods offered, |
| | | | | | including |
| | | Model | Bidder to state | ☐ Yes ☐ No | specifications, picture, and |
| | | | | | brand/model |
| 9.1 | | | | | offered if |
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| | | S/N | | | Insert details of |
| | | | | | goods offered, including |
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| | | | Bidder to state | ☐ Yes ☐ No | picture, and |
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| 9.2 | Repair kit | Model | Bidder to state | ☐ Yes ☐ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | s/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 9.3 | Stator | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 3.0 | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 9.4 | Cable | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 9.4 | | s/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 10 | Spare parts for ABS/Sulzer make Submersible Sewage Pumps. | Model | XFP81C-VX.2-PE30/2-C-50EX | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | Nr | GXGV12221111211 | ☐ Yes ☐ No | Insert details of goods offered, |

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| | | | | | including specifications, picture, and brand/model offered if applicable |
| | | S/N | 0026521 - 929030 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | Impeller | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 10.1 | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 10.2 | Repair kit | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 10.2 | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 10.3 | Stator | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |



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| | | s/N | Bidder to state | □ Yes □ No | goods offered, including specifications, picture, and brand/model offered if applicable |
| | Cable | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 10.4 | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | Spare parts for ABS/Sulzer make Submersible Sewage Pumps. | Model | XFP100G-CB1.2-PE185/4-G- 50EX | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 11 | | Nr | GX921H211111242 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | S/N | 0006322 - 871464 | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 11.1 | Impeller | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, |



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| | | | | | picture, and brand/model offered if applicable |
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| 11.2 | Repair kit | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 11.2 | Stator | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 11.3 | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 11.4 | Cable | Model | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 11.4 | | S/N | Bidder to state | □ Yes □ No | Insert details of goods offered, including specifications, picture, and brand/model offered if applicable |
| 12 | warranty One-year warranty for Spare part Pumps | ts of the Al | 3S/Sulzer make Submersible Sewage | □ Yes □ No | Supplier to confirm |



| 13 | Other Two operation and maintenance manuals. Catalogues. Two shop's services and parts manuals. | □ Yes □ No | Supplier to confirm |
|----|--|------------|---------------------|
| 14 | Delivery: Delivery time to the last destination below: warehouses of Aden Water and Sanitation Local Corporation (AWSLC), Aden. DAP Delivery time within three months after the PO signature. UNOPS has the right to do background check and confirm this option. | □ Yes □ No | Supplier to confirm |
| 15 | The supplier is responsible 100% for all import issues, customs clearance, transport, loading and offloading, and dealing with local authorities to ensure good delivery | □ Yes □ No | Supplier to confirm |

