**Section II: Schedule of Requirements**

eSourcing reference: ITB/2016/170

**All items listed herein are required for a KRAZ Shrek-I MPV, which are built on the chassis of KRAZ-5133HE-121-007 Truck. Offered items must be manufactured for this truck model.**

Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified in this Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to UNOPS’s satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Schedule of Requirements.

1. **Summary of Requirements**

UNOPS requirements are comprised of the following items:

1. Spare parts for KRAZ Shrek-I Mine Protected Vehicles
2. **Technical specifications for Goods and Comparative Data Table**

**Note:** **All spare parts under the following list shall be Original Equipment Manufacturer (OEM) parts or equivalent.**

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| --- | --- | --- | --- | --- | --- |
| **№** | **Part Name** | **Original Name** | **Part Number** | **Technical Specifications** | **Q-ty** |
| 1 | Engine | ДВИГ.Б/КП И СЦ. | 238Д-1000186-38 | Must be OEM part or equivalent | 15 |
| 2 | Clutch | Clutch set Sachs | MFZ-430 | Must be OEM part or equivalent | 15 |
| 3 | Gearbox | КПП Shaanxi fast gear | 9js150ta-b | Must be OEM part or equivalent | 15 |
| 4 | Cover gasket | ПРОКЛАДКА | 238-1003270 | Must be OEM part or equivalent | 40 |
| 5 | Cylinder head gasket assembly | ПРОКЛАДКА | 238-1003210-В9 | Must be OEM part or equivalent | 40 |
| 6 | Sleeve, Piston and sealing rings set for one piston | ГИЛЬЗА, ПОРШЕНЬ, УПЛОТНИТЕЛЬНЫЕ И ПОРШНЕВЫЕ КОЛЬЦА, КОМПЛЕКТ НА ОДИН ЦИЛИНДР | 7511.1004005-60 | Must be OEM part or equivalent | 80 |
| 7 | Piston rings set for one piston | К-Т ПОРШНЕВЫХ КОЛЕЦ | 7511.1004002 | Must be OEM part or equivalent | 80 |
| 8 | Connecting rod assembly | ШАТУН В СБОРЕ | 7511.1004045-02 | Must be OEM part or equivalent | 80 |
| 9 | Set of main bearing shells 110mm | К-Т ВКЛАДЫШЕЙ | 238-1000102-Б2 | Must be OEM part or equivalent | 10 |
| 10 | Set of main bearing shells 109.75mm | К-Т ВКЛАДЫШЕЙ | 238-1000102-Б2-Р1 | Must be OEM part or equivalent | 10 |
| 11 | Set of main bearing shells 109.50mm | К-Т ВКЛАДЫШЕЙ | 238-1000102-Б2-Р2 | Must be OEM part or equivalent | 10 |
| 12 | Set of main bearing shells 109.25mm | К-Т ВКЛАДЫШЕЙ | 238-1000102-Б2-Р3 | Must be OEM part or equivalent | 10 |
| 13 | Set of main bearing shells 109mm | К-КТ ВКЛАДЫШЕЙ | 238-1000102-Б2-Р4 | Must be OEM part or equivalent | 10 |
| 14 | Set of main bearing shells 108.75mm | К-КТ ВКЛАДЫШЕЙ | 238-1000102-Б2-Р5 | Must be OEM part or equivalent | 10 |
| 15 | Set of main bearing shells 108.50mm | К-КТ ВКЛАДЫШЕЙ | 238-1000102-Б2-Р6 | Must be OEM part or equivalent | 10 |
| 16 | Set of crankpin bearing shells 87.75mm | К-Т ВКЛАДЫШЕЙ | 238-1000104-В2 | Must be OEM part or equivalent | 10 |
| 17 | Set of crankpin bearing shells 87.50mm | К-Т ВКЛАДЫШЕЙ | 238-1000104-В2-Р1 | Must be OEM part or equivalent | 10 |
| 18 | Set of crankpin bearing shells 87.25mm | К-Т ВКЛАДЫШЕЙ | 238-1000104-В2-Р2 | Must be OEM part or equivalent | 10 |
| 19 | Set of crankpin bearing shells 87mm | К-Т ВКЛАДЫШЕЙ | 238-1000104-В2-Р3 | Must be OEM part or equivalent | 10 |
| 20 | Set of crankpin bearing shells 86.75mm | К-КТ ВКЛАДЫШЕЙ | 238-1000104-В2-Р4 | Must be OEM part or equivalent | 10 |
| 21 | Set of crankpin bearing shells 86.50mm | К-КТ ВКЛАДЫШЕЙ | 238-1000104-В2-Р5 | Must be OEM part or equivalent | 10 |
| 22 | Lower head crankpin shell | К-КТ ВКЛАДЫШЕЙ | 238-1000104-В2-Р6 | Must be OEM part or equivalent | 10 |
| 23 | Semi ring | ПОЛУКОЛЬЦО | 7511.1005183 | Must be OEM part or equivalent | 40 |
| 24 | Oil slinger rear | МАСЛООТРАЖАТЕЛЬ ЗАДНИЙ | 236-1005042 | Must be OEM part or equivalent | 10 |
| 25 | Camshaft bushing front | ВТУЛКА РАСПРЕДЕЛИТЕЛЬНОГО ВАЛА ПЕРЕДНЯЯ | 236-1006026-А | Must be OEM part or equivalent | 10 |
| 26 | Camshaft bushing front | ВТУЛКА | 236-1006026-А-Р1 | Must be OEM part or equivalent | 10 |
| 27 | Camshaft bushing | ВТУЛКА РАСПРЕДЕЛИТЕЛЬНОГО ВАЛА | 236-1006037-А | Must be OEM part or equivalent | 40 |
| 28 | Oil pump assy | НАСОС МАСЛЯНЫЙ В СБОРЕ | 236-1011014-Г | Must be OEM part or equivalent | 10 |
| 29 | Gasket | ПРОКЛАДКА | 236-1011296 | Must be OEM part or equivalent | 10 |
| 30 | Gasket | Прокладка | 240-1106285-01 | Must be OEM part or equivalent | 10 |
| 31 | Fuel feed pump assembly | Насос топливоподкачивающий | 236-1106210-А2 | Must be OEM part or equivalent | 10 |
| 32 | Filter | ФТО47.1117010 ФИЛЬТР СМЕННЫЙ ДЛЯ ТОПЛИВА | 8.9132 | Must be OEM part or equivalent | 40 |
| 33 | Thermostat | ТЕРМОСТАТ Т117-1306100-06 | 8.8842 | Must be OEM part or equivalent | 40 |
| 34 | Gasket | ПРОКЛАДКА | 236-1306054-А | Must be OEM part or equivalent | 40 |
| 35 | Water pump assy | НАСОС ВОДЯНОЙ В СБОРЕ | 236-1307010-Б3 | Must be OEM part or equivalent | 20 |
| 36 | Water pump belt | РЕМЕНЬ АVХ 13-1075LА | 8.8670 | Must be OEM part or equivalent | 100 |
| 37 | Clutch driven disc front assembly | ДИСК ДЛЯ ЗИП | 238-1601130-Б | Must be OEM part or equivalent | 10 |
| 38 | Clutch driven disc rear assembly | ДИСК | 238-1601131 | Must be OEM part or equivalent | 10 |
| 39 | Pressure disc with casing assy | ДИСК НАЖИМНОЙ С КОЖУХОМ В СБОРЕ | 238Н-1601090-Б2 | Must be OEM part or equivalent | 10 |
| 40 | Clutch release coupling with bearing assy | МУФТА ЭК | 236-1601180-Б2 | Must be OEM part or equivalent | 10 |
| 41 | Toothed belt 1•1 class Il-14x10-937 | РЕМЕНЬ ВХ 943LW | 8.8674 | Must be OEM part or equivalent | 100 |
| 42 | Set of crankshaft complete with bearing shells | ВАЛ КОЛЕНЧАТЫЙ В СБОРЕ | 238-1005009-Г3 | Must be OEM part or equivalent | 5 |
| 43 | Rear exhaust manifold right | КОЛЛЕКТОР ВЫПУСКНОЙ ПРАВЫЙ ЗАДНИЙ | 7511.1008025 | Must be OEM part or equivalent | 10 |
| 44 | Rear exhaust manifold left | КОЛЛЕКТОР ВЫПУСКНОЙ ЛЕВЫЙ ЗАДНИЙ | 7511.1008026 | Must be OEM part or equivalent | 10 |
| 45 | Exhaust manifold front | КОЛЛЕКТОР ВЫПУСКНОЙ ПЕРЕДНИЙ | 238Ф-1008022 | Must be OEM part or equivalent | 10 |
| 46 | Exhaust manifold gasket | ПРОКЛАДКА | 238Ф-1008027 | Must be OEM part or equivalent | 40 |
| 47 | Gasket | ПРОКЛАДКА | 7511.1008058 | Must be OEM part or equivalent | 40 |
| 48 | Supply pipe | ТРУБА ПОДВОДЯЩАЯ ЛЕВАЯ | 7511.1008042-01 | Must be OEM part or equivalent | 10 |
| 49 | Sump | КАРТЕР МАСЛЯНЫЙ В СБОРЕ | 238Н-1009010-А2 | Must be OEM part or equivalent | 20 |
| 50 | Oil level dipstick | УКАЗАТЕЛЬ УРОВНЯ МАСЛА | 236-1009050-Б | Must be OEM part or equivalent | 20 |
| 51 | Dipstick pipe | ТРУБКА | 236-1009059-Г | Must be OEM part or equivalent | 20 |
| 52 | Suction pipe with intake assy | ТРУБА | 238Ф-1011398-А3 | Must be OEM part or equivalent | 20 |
| 53 | Supply pipe | ТРУБА ПОДВОДЯЩАЯ ДИФФЕРЕНЦИАЛЬНОГО КЛАПАНА | 236-1011098-Б3 | Must be OEM part or equivalent | 20 |
| 54 | Filter housing | КОРПУС МАСЛЯНОГО ФИЛЬТРА | 658.1012020 | Must be OEM part or equivalent | 20 |
| 55 | Centrifugal oil cleaner assy | МАСЛООЧИСТИТЕЛЬ ЦЕНТРОБЕЖНЫЙ | 236-1028010-А | Must be OEM part or equivalent | 20 |
| 56 | Gasket | Прокладка | 240-1106285-01 | Must be OEM part or equivalent | 40 |
| 57 | Filter | ФТО47.1117010 ФИЛЬТР СМЕННЫЙ ДЛЯ ТОПЛИВА | 8.9132 | Must be OEM part or equivalent | 40 |
| 58 | Turbocharger assy | ТУРБОКОМПРЕССОР ТКР-100 | 8.8681 | Must be OEM part or equivalent | 10 |
| 59 | Water pump belt | РЕМЕНЬ АVХ 13-1075LА | 8.8670 | Must be OEM part or equivalent | 100 |
| 60 | Toothed belt 1•1 class Il-14x10-937 | РЕМЕНЬ ВХ 943LW | 8.8674 | Must be OEM part or equivalent | 100 |
| 61 | Starter 2501.3708-01, assy | СТАРТЕР 2501.3708-21 | 45 7375 1945 | Must be OEM part or equivalent | 20 |

1. **Delivery requirements and Comparative Data Table:**

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| **UNOPS Requirements** | |
| **Delivery time** | Partial delivery shall not be allowed. The complete quantity of items shall be delivered in one consignment to FCA point within 14 weeks after Contract signature. Delivery to CPT point shall take place no later than 20 weeks after Contract signature. |
| **Delivery place and Incoterms rules** | CPT Unloaded, Bamako, Mali |
| **Consignee details** | United Nations Mine Action Service c/o MINUSMA  Hôtel Laico Amitié, Avenue de la Marne, Bozola, Bamako, Mali  Contact person: Mr. Baber Yattara: +223 66 75 55 98  Mr. Christopher Verrall: +223 66 75 32 29 |
| **UNOPS Right to vary requirements** | At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed +/- 20%, without any change in the unit prices or other terms and conditions of the ITB. |

1. **Related services requirements**

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| --- | --- | --- | --- | --- | --- |
| **Service** | **UNOPS minimum requirements for services** | **Quantity** | **Physical unit** | **Place where services will be performed** | **Final completion date(s) of services** |
|
| Freight | Air Freight of all items FCL, from FCA point to CPT (unloaded) Bamako, Mali | 1 | LS | Freight Within 14 weeks after Contract signature. | Freight |

1. **Warranty requirements**

All the goods supplied shall be covered with minimum one year international (limited) warranty against defects in materials and workmanship, in compliance with UNOPS General Conditions of Contracts for Goods. Faulty products shall be replaced at supplier’s cost (inclusive of shipping costs).

1. **Inspections and tests**

The following inspections and tests shall be performed:

UNOPS or its representative may inspect and/or test any or all item of the goods to confirm their conformity to the contract, prior to dispatch from the manufacturer’s premises. Such inspection and clearance will not prejudice the right of the consignee to inspect and test the goods on receipt at destination.

If the goods fail to meet the laid down specifications, the supplier shall take immediate steps to remedy the deficiency or replace the defective goods to the satisfaction of the purchaser.