

ANNEX B: TECHNICAL SPECIFICATIONS FORM
ITB NO.2022/SOP/SCU/009
PROVISION OF MISCELLANEOUS HEALTH ITEMS TO UNHCR SUB OFFICE
PESHAWAR IN (KP) PAKISTAN

S#	Item description	Specification	Quantity	Unit
1	Larvidies	Granules	700	KG
2	Rapid Disgnostic Test (RDT) equipment for Dangué Fever.	Standard	21000	No
3	Rapid Disgnostic Test (RDT) equipment for Malaria Fever.	Standard	21000	No
4	Mosquitoes Repellents	Santadard size bottle	170000	No
5	Spray pumps.	<p>1. Description: The sprayer shall consist of a tank, cylindrical, equipped with a hand-operated air pump with a two handed handle and locking device, separate from the tank lid, pressure-release safety device, hose attached at the top of the tank to a dip-tube, trigger valve with locking-off device, lance, control flow valve and nozzle. The sprayer should have a system for parking the lance when not in use to protect the nozzle. The sprayer with fittings assembled shall have no sharp edges or projections that might injure workers during normal operation. 2. Materials and construction: The materials of construction, including filler cover, shall be declared and shall be corrosion, pressure and UV-resistant..No solder containing lead and/or tin as major components shall be used in the construction of sprayers or component parts, except on joints between the lance, the cut-off valve, the nozzle body and the dip-tube provided that all tests pertaining to this item are satisfactory. No wooden parts shall be used in the construction of any part of the sprayer. 3. Weight: The weight of the complete sprayer, when filled to the manufacturer's maxim+A1um recommended capacity for operation, shall be declared and shall not exceed 25 kg. 4. Pesticides tank and fittings: 4.1 Capacity The operational liquid capacity shall be declared. 4.2 Dimensions of filler opening The filler opening shall be declared and shall be not less than 90 mm in minor axis. 4.3 Pressure-release devices and pressure relief (safety) valves. 4.3.1 Pressure release device A pressure release device shall be declare, fitted on the top of the sprayer and shall be capable of completely depressurizing the tank before it is opened. 4.4 Straps and fastenings The number and width of straps shall be declared, and shall be at least 50 mm wide at the shoulder and adjustable to at least 100 cm in length. The width of strap shall be declared and shall be at least 50 + 5 mm wide. 4.5 Markings The sprayer shall be clearly and permanently marked with a horizontal permanent line to indicate the maximum liquid volume in litres. Other markings should indicate 1-litre graduations. 5. Air pump: 5.1</p>	80	No

Performance The tank, with all its fittings attached and filled with liquid to the maximum liquid charge mark, shall reach the maximum operational pressure on completion of no more than 60 full strokes of the pump. 5.2 Check valve The pump check valve shall prevent any leakage of the liquid into the pump cylinder when the tank is pressurized to the maximum recommended working pressure and the check valve is fully submerged. **6. Discharge system:** 6.1 Filter size The filter in the trigger valve must be smaller than the size of the nozzle aperture and not larger than 50 mesh size (with an aperture not larger than 0.5 mm or 0.3 mm if there is no filter in the nozzle body). The equipment must be supplied with one or more filters, with a mesh size that prevents passage of particles that would cause nozzle blockage. At least one filter should be fitted close to the nozzle. 6.2 Hose The length of the hose shall be declared and shall be not less than 1.5 m and of a material suitable for the pesticide product(s) specified by the purchasing agency. The hose should meet the requirements. 6.3 Trigger valve The type of trigger valve shall be declared and shall not drip or leak when subjected to the test method. The trigger valve must have a positive lock-off position. The length of the valve lever shall not be less than 100 mm measured from the pivot point. The maximum torque on the lever shall be 1.5 newton metres. 6.4 Lance The length of the straight lance shall be declared and shall not be less than 500 mm. 6.5 Flow rate control device A flow rate control device shall be fitted and its type declared. The device shall maintain a uniform output at the nozzle +5% of the specified discharge rate. 6.6 Nozzle tip The type of the nozzle tip and the flow rate shall be declared and comply with international standards. Erosion resistance. The output of the nozzle shall not increase more than 10% when subjected to the test. The pattern should remain consistent and unchanged. **7. Sprayer performance:** 7.1 Leakage and durability The maximum working pressure (kPa) shall be declared. The tank, with all its fittings attached, shall withstand an internal hydrostatic pressure of twice the maximum recommended working pressure when subjected to the tank leakage test and have no leakage after subjecting the tank to the impact (drop) test. The sprayer shall be tested with the recommended working pressure and without pressure in the tank when positioned vertically, horizontally and at 45°. The lid should be leak proof without pressure in the vertical and horizontal positions and at 45°.

6	Panadol Tablet	250mg Tablet	230000	
7	Deltamethrine 25%	Powder	10500 KG	