

REVISED SECTION 5: SCHEDULE OF REQUIREMENTS

A. Summary of Requirements

Requirements are comprised of the following Lots:

LOT #1 - Backhoe – Bulldozer

LOT #2 - Motor grader

LOT #3 – Tractor

LOT #4 - Front loader

LOT #5 - Two axes tractor trailer

LOT #6 - Mini excavator

LOT #7 - Two (2) axes trailer

LOT #8 - Side shredder for plant residues

LOT #9 - Hydraulic Heavy Duty Wood Chipper

LOT #10 - Lawn tractor

LOT #11 - Waste plastic bin 120 liters

LOT #12 - Waste plastic bin 1100 liters

LOT #13 - Auto Pickup

LOT #14 - Horizontal pump for waste water

B. Background

The “EU4Moldova: focal regions” Programme supports the strengthening of the economic, territorial and social cohesion in the Republic of Moldova through smart, green, inclusive, sustainable and integrated local socio-economic growth and improving the standards of living of the citizens in two focal regions: Ungheni and Cahul municipalities and neighboring communities. The Programme will support the two regions by: making the governance more efficient – improving the quality of services and necessary infrastructure; fostering private sector – increasing investments, improving local economy and creating jobs; encouraging participatory democracy – involving citizens in the process of democratic governance and enhancing their capacities to claim their rights.

The Programme aims to achieve the following objectives: (i) To strengthen transparency, accountability of local public authorities and citizen participation in local governance processes in the focal regions; (ii) To improve citizens' access to quality public services and utilities in the focal regions; (iii) To create employment opportunities for men and women in the focal regions and improve the attractiveness of the focal regions for investors and entrepreneurs; (iv) To promote the smart specialization of the economy of the focal regions through the development of the clustering and value chain approach in key economic sectors.

The expected results of the Programme include: increased institutional capacities of the local public authorities for the implementation of locally-driven environmentally compliant socio-economic development strategy for integrated local growth and development; improved broader stakeholder (e.g. CSO, private sector) engagement in the planning and monitoring of the socio-economic development strategy; increased quality and availability of public services delivery, including in particular those targeting women; and increased performance of local public utilities; more favorable conditions for the attraction of investments, job creation and women and men's entrepreneurship, including social entrepreneurship; increased economic performance of the focal regions as a

result of the development and functioning of clusters or specialized area in line with the smart economic specialization approach.

The partners of the Programme are: the EU Delegation to Moldova, UNICEF, Ministry of Agriculture, Regional Development and Environment, the State Chancellery, the Ministry of Finance, the Ministry of Economy and Infrastructure, central and local governmental authorities from the Ungheni and Cahul focal regions, civil society groups and organizations, private sector and business associations, Agency for Public Services, Agency for Electronic Governance, Regional Development Agencies for South and Center, Congress of Local Authorities from Moldova, The Organization for Small and Medium Enterprises Sector, citizen.

Citizens and communities from Ungheni and Cahul regions, Local Public Authorities, local civil society organizations will be the final beneficiaries of this Programme.

C. Scope and objectives of the contract

The scope of contract includes supply and delivery of technical equipment according to the requirements and specifications detailed in **Clause K. Technical Specifications for Goods** below. All parameters in the Technical Specifications indicate the minimum allowable range of functional requirements.

D. Delivery and shipping

UNDP Moldova is looking for a maximum delivery time - 120 calendar days from the signature of the contract. Offerors shall submit a detailed delivery schedule as part of their offer, indicating the major milestones in the execution of contract.

Delivery Terms: Final delivery locations are as follows: Ungheni city center, and Cahul city center.

E. Warranty and maintenance

The full warranty shall include maintenance, troubleshooting and repair including provision of spare parts. Offerors shall provide evidence of local authorized technical support services availability for the offered trucks. Offerors shall describe the warranty and post-warranty conditions provided and service/trade customs and procedures applied.

Offerors shall propose minimum 12-months full warranty period with no travel limit and hours worked, to commence following the acceptance of the delivered goods by UNDP Moldova.

F. Deliverables

The bidder will submit the bid for one or more lots according to the annex to this ToR. Deliverables will be provided for each lot separately and as per the table below.

Deliverables	Target Date from the date of contract signature
	Lots 1 - 14
Deliverable 1. Delivery of equipment necessary according to LOT applied	120 calendar days from the signature of the contract
Deliverable 2. Installation and arrangement of delivered equipment in coordination with the final beneficiary according to LOT applied	1-2 weeks from the delivery
Deliverable 3. Training in use of delivered equipment according to LOT applied	1 week from installation and delivery

Note: The time period shown has been estimated to be sufficient/feasible for the equipment delivered and the scope of work to be successfully completed and is proposed as a guide for the duration of the assignment. The implementation of the Deliverable 3 (training course) will take into account the constraints related to the availability of trainers and internal activities scheduled before the signing of the Contract. Provision of

contemplated deliverables approved by UNDP shall be the sole criterion for completion of the Contractor's work and eligibility for payment/s.

G. Period of performance

The assignment will begin in June 2023 and will end in October 2023.

H. Reporting requirements

The Supplier shall report delivery progress to UNDP Moldova and deliver on time equipment.

The progress report shall be in a form acceptable to the Project responsible and shall indicate: (a) progress of delivery; and (b) where any activity is behind the contract completion, giving comments and likely consequences and stating the corrective action being taken.

I. Payment terms


100% within 30 days upon UNDP's acceptance of the goods delivered as specified and receipt of invoice and training on operation and maintenance provided.


J. Subcontracting

The subcontracting of services is not allowed.

K. Technical Specifications for Goods

LOT #1 Backhoe – Bulldozer – 1 unit	
Item No	Description
	
Condition	Brand new, year of production 2020 or later
ENGINE/DRIVELINE	
emission class	Min. Euro 2
Minim operating power	min 74 kW / 100 HP
Fuel	diesel
Braking system	Multi Disc in oil bath, automatic hydraulic brake with braking on all 4 wheels.
CHASSIS/SUSPENSION	
axle configuration	4x4 WD
number of axles	2-axle
Steering	Front wheels
CAB/INTERIOR	
additional lights	
air conditioner	
power steering	

seat heating	
driver pneumatic seat	
radio	
EQUIPMENT	
Loader bucket	Min 1 m3
Excavator bucket	Min 0,18 m ³
Spare backhoe bucket, compatible with the proposed Backhoe – Bulldozer	Width minimum 300 mm
LOT #2 Motor grader – 1 unit	
Description	
	
Condition	Brand new, year of production 2020 or later
ENGINE/DRIVELINE	
emission class	Min. Euro 2
Minim operating power	min 110 kW / 150 HP
Fuel	diesel
CHASSIS/SUSPENSION	
suspension	hydraulic
number of axles	3-axle
wheelbase	Min 5 m

lubrication	central lubrication
Wheel arrangement	1x2x3
Gearbox	Manual gearbox
Number of forward	6 / 2
WORKING EQUIPMENT	
Angle of rotation of the articulated frame, deg.	±22
Grader blade length, mm	Min 3500
Grader blade height, mm	Min 600
Maximum slope angle for blade stripping, degrees	90
LOT #3 Tractor – 1 unit	
Description	
	
3	
Condition	Brand new, year of production 2020 or later
ENGINE/DRIVELINE	
emission class	Min. Euro 2
Minim operating power	min 78 kW / 105 HP
Fuel	diesel
Braking system	Multi Disc in oil bath, automatic hydraulic brake with braking on all 4 wheels.
CHASSIS/SUSPENSION	
axle configuration	4x4 WD

	number of axles	2-axle
	Steering	Front wheels
CAB/INTERIOR		
air conditioner		
power steering		
seat heating		
driver pneumatic seat		
radio		
LOT #4 Front loader 1 unit		
Description		
		
	Condition/	Brand new, year of production 2020 or later
4	frame type	Folding, quickly removable
	suspended frame type	Frontal, EURO
	aggregation	tractors class 1.4
	The required power of the tractor	80-130 HP
	nominal lifting capacity, kg	1600 -2000
	Weight, kg	600 - 750
	control system	joystick
	drive unit	from the hydraulic system of the tractor
	bucket volume, m3	0,6 – 0,8

LOT #5 Two axes tractor trailer – 1 unit**Description**

5	Condition	Brand new, year of production 2020 or later
	Trailer weight,kg	± 3000
	Maximum authorized weight, kg	8000 kg
	Length inside (mm)	± 4400
	Width inside (mm)	± 2100
	Volume (m cubic)	± 9,30
	Area (square m)	± 9,00
	Height of walls (mm)	± 500 + 500
	The thickness of the floor metal	± 5mm
	The thickness of the metal walls	± 2mm
	Download system	Hydraulics (3 parts)
	Unloading angle (Back/side)	500/400
	Wheel dimensions	12,5/80-15,3
	Speed of travel	40 km/h
	Minimum power required	75 hp
	Stand-alone facilities :	
	<ul style="list-style-type: none">• Plastic wardrobe for keeping instruments• Plastic tank for water and soap for washing hands• Ladder for climbing	

- Stationary brake
- Window with lever for discharging grills
- Additional rear coupling for connecting the trailer wave
- Tent for coverage
- Spare wheel

LOT #6 Mini excavator – 2 units

Description



6

Condition	Brand new, year of production 2022 or later
Motorization	Diesel, minimum 13kw
Emission class	min. Euro V
Weight, kg	1600 - 2000
Operating cycle	3 cylinder, 4 strokes, liquid cooled
Maximum engine speed	2600 RPM
Start-up	Electric
Cabin	Closed cabin, equipped with heating and ventilation
Blade width, mm	970-1360
Digging depth,mm	minimum 2000
Loading height(bucket closed), mm	minimum 2400
Transmission method	Hidraulic control
Track type	Rubber

Travel speeds minimum	4km/h forwards / 2km/h back
Warranty	12 months
After-sales machinery spare parts and repair services	obligatory presence
Local Dealer	obligatory presence
Bucket 1 width,mm	minimum 240
Bucket 2 width, mm	minimum 300
Bucket 3 width, mm	minimum 970
Bucket quick hitch	requested
Excavator transport width,mm	maximum 990
Truck shoe width,mm	minimum 230
Total excavator height,mm	maximum 2360
Track lenght,mm	maximum 1555
Ground clearence,mm	minimum 160
Hydraulic pump displacement,L/min	minimum 67
Hydraulic pressure, bar	minimum 240
Hydraulic pressure, bar	minimum 240
Auxiliary hydraulic circuit line to arm end (2pipes)	obligatory

LOT #7 2 axes trailer – 2 units

Description

7



Max. load capacity	3600 kg
Max. usable length	4500 m
Max. usable width	2200 m
Max. own weight	800 kg
Hooking mechanism	V-shaped system
Platform casing	with anti-corrosion coating
loading ramp length	250 cm
loading ramp width	30 cm
brakes	mechanical
Load-bearing frames: structural steel with increased strength, closed profile, welded and hot-dip galvanized construction All side walls can be opened and disconnected	yes

LOT #8 Side shredder for plant residues – 1 unit

8	Description	
		
	Condition	Brand new, year of production 2020 or later
	Minimum/ recommended power	55 kw/80 HP
	Minimum recommended weight	500 kg
	Recommended PTO speed	540-1000 rpm
	Maximum Working width	1600 mm


Minimum Hammer weight	1600 gr
Minimum No. Hammers	20 pieces
Minimum No. Knives	40 pieces

LOT #9 Hydraulic Heavy Duty Wood Chipper – 1 unit

Description




9	Condition	Brand new, year of production 2020 or later
	Minimum/ recommended power	55/80 HP
	Minimum recommended weight	400 kg
	Maximum. cutting diameter (fresh soft wood)	170 mm
	Maximum. cutting diameter (fresh hardwood)	150 mm
	Maximum. cutting diameter (dry wood)	120 mm
	Recommended speed of the power take-off	540-1000 rpm
	Cutting blade design	steel
	Suspension mounting system	Three-point suspension
	Recommended cutting disc diameter	720 mm
	Recommended Number of knives	4 + 1
	Tube rotation angle	360° exhaust

	Recommended height of the exhaust chimney	210 cm.
LOT #10 Lawn tractor - 3 units		
Description		
		
1 0	Condition	Brand new, year of production 2020 or later
	Motorization	Gasoline
	Maximum engine power	7 - 15 hp
	Cylindrical capacity	450 – 500 cm ³
	Operating cycle	1 cylinder, 4 strokes
	Maximum engine speed	3600 RPM
	Fuel tank capacity	6 L
	Start-up	Electric
	Cutting width	84 cm
	Adjusting cutting height	Manual
	Cutting height positions	2.5 - 8 cm, 7 positions
	Number of cutting knives	2
	Knife drive system	Electromagnetic clutch
	Transmission method	Mechanical control
	Travel speeds	5 forwards / 1 back

Collector's bag	Textile
Collection capacity	240 L

LOT #11 Waste plastic bin 120 liters – 1120 units

11	Description	
		
	Condition	<ul style="list-style-type: none"> - Mobile plastic containers for waste with 2 wheels, lifting appliances with fork - " Quality Mark" - visibly embossed RAL quality mark on body
	Destination	<ul style="list-style-type: none"> - waste collection and recycling - waste bin with 2 wheels adapted for standard handling and lifting device, stable to ultraviolet radiation, rectangular section, flat hinge cover
	Product certification	Tested according to EN 840 – 1:2013, EN 840 – 5:2013, EN 840 – 6:2013
	System certification	Produced in integration quality management system according to ISO 9001, ISO 14001
	Volume, nominal	120 liters
	Weight, kg (min)	7 kg
	Material	High density polyethylene HDPE, free of heavy metals, UV resistant
	Color	Black
Body	Square section	
	Flaps-flat, adapted to the body, Mounted in 2 points to the body with 2 screw pins, 2 handles	
	2 rubber wheels of 200 mm diameter, anti-corrosive, static load treated over 100 kg, 1 (one) galvanized solid metal axe	

		Frontal grip
		Resistance handle, designed on the lid for a comfortable grip
		Hinges assured
	Dimensions, mm (±5%)	Width - 480
		Length max. - 550
		Height max. - 1000
	Special construction element	<ul style="list-style-type: none"> - 6 mm ribs extra enforcement on the upper part of the waste bin - Wheels with solid rubber

LOT #12 Waste plastic bin 1100 litres – 200 units

12	Description	
		
	Condition	<ul style="list-style-type: none"> - Mobile plastic containers for waste with 4 wheels, lifting appliances with fork - "Quality Mark" - visibly embossed RAL quality mark on body
	Destination	<ul style="list-style-type: none"> - waste collection and recycling - waste bin with 4 wheels adapted for standard handling and lifting device, stable to ultraviolet radiation, rectangular section, flat hinge cover
	Product certification	Tested according to EN 840 – 1:2013, EN 840 – 5:2013, EN 840 – 6:2013
	System certification	Produced in integration quality management system according to ISO 9001, ISO 14001
	Volume, nominal	1100 litres
	Weight, kg (min)	50 kg
	Payload	440 kg
	Material	High density polyethylene HDPE, free of heavy metals, UV resistant
	Color	Black

	Body	Square section
		Flaps-flat, adapted to the body, Mounted in 2 points to the body with 2 screw pins, 2 handles
		Frontal grip
		Resistance handle, designed on the lid for a comfortable grip
		Hinges assured
	Dimensions, mm (±5%)	Total height (max) – 1415
		Width (max) – 1370;
		Length (max) – 1030;
		Throw height (max) – 1165;
		Wheel diameter – 200.
	Special construction element	6 mm ribs extra enforcement on the upper part of the waste bin
		4 wheels (2 braked), non-marking solid rubber tires, directional locks for towing. Wheels with solid rubber.

LOT #13 Auto Pickup – 1 unit

13	Description	
	Engine	
	Fuel	diesel
	Oil supply method	Direct injection
	Displacement (cc)	Max 2000
	Working method	turbocharged
	Max engine power (hp/kw/rpm)	165/120/5500
	Min emission standards	Euro V
	Body	
	Length (mm)	Max 5400
	Width (mm)	Max 1900

	Height (mm)	Max 1850
	Wheelbase (mm)	Max 3400
	Fuel tank capacity, l	70
	Doors/seats	Pickup/4
	Suspension, brakes, wheel	
	Front suspension	Double wishbone independent
	Transmission	4WD
	Rear suspension	Leaf spring depended
	Front brakes	Ventilated disc
	Rear brakes	Ventilated disc
	Parking brake	manual
	Tires	Recommended 235/70/r16
	Wheel material	Aluminum alloy
	Comfort	
	A/C	yes
	Central lock	yes
	Immobiliser	yes
	Remote lock	yes
	Cruise control	yes
	Driver support systems	
	Parking radar	rear
	Rear-view camera	yes
	Tire-pressure	yes
	monitoring system	yes
	Anti-lock braking	yes
	system (ABS)	yes
	Electronic brakeforce	yes

	distribution (EBD)	yes
	Brake Assist	yes
	Lights	
	Low beam	yes
	High beam	yes
	Fog light	yes
	Automatic headlights	yes
	Headlamp leveling system	yes
	Daytime running lights	yes
	Seats and steering wheel	
	Driver/passenger seat electric adjustment	manual
	Ventilated seats	Front seats
	Heated seats	Yes/ yes
	Multifunction steering wheel	yes
	Safety equipment	
	Driver/passenger front airbag	Yes / yes
	Front/rear side airbags	Yes/ yes
	Front/rear curtains	Yes / yes

LOT #14 Horizontal pump for waste water – 1 unit

13	<p>Horizontal sewage pump with stationary installation in dry space with continuous operation with multi-channel rotor that allows the transfer of solids without blocking the pump.</p> <ul style="list-style-type: none"> • Aggregate: Hydraulic system with standard motor, coupled with coupling, completely mounted on the base plate. • Independent bearing housing unit with oil lubricated bearings.-Long coupling. 	
	The type of fluid Max. pump flow rate, m3/h	Household waste water with a solids content of max. 10 mm
		Minimum temperature: 5 °C
		Minimum temperature: 20 °C
	Max. pump flow rate, m3/h	450
	Max. pumping height, m	57
	NPSHr, m	Max.1.9m
	Required pump data Electrical data of the engine	Hydraulic efficiency: min. 65%
		Pump housing material: cast iron GJL250 EN 1561
		Hydraulic rotor material: cast iron G250 EN1561
		Pump shaft material: steel EN10083 - C45
		Suction diameter DN 250 PN 10
		Discharge diameter DN 200 PN 10
	Electrical data of the engine Protection and automation panel with star-delta start for 2 pumps with MODBUS GSM, complete with the following functions:	Power supply: 3 x 400 V
		Dimensioning power (P2): max. 132 kW
		Star-delta start
		Protection class: min. IP 55
Efficiency class IE 3		
Protection and automation panel with star-delta start for 2 pumps with MODBUS GSM, complete with the following functions: Certificate	The operation of the pump depending on the level in the tank based on the floats with contact (4 pcs);	
	Current protection;	
	Protection lack of water;	
	Overload protection.	

		Monitoring the uniform operation time of the pumps
	Certificate Service	Declaration of conformity for the pumping equipment signed by the manufacturer;
		ISO 9001 certificate from the manufacturing plant.

J. Delivery and other Related Requirements

Delivery date	Bidder shall deliver the goods as per below table:			
	<table border="1"> <thead> <tr> <th>Deliverable</th> <th>Target Date from the date of contract signature</th> </tr> </thead> <tbody> <tr> <td>LOT 1 - 14</td> <td>120 calendar days from the signature of the contract</td> </tr> </tbody> </table> <p>Note: The time period shown has been estimated to be sufficient/feasible for the equipment delivered and the scope of work to be successfully completed and is proposed as a guide for the duration of the assignment. Provision of deliverables approved by UDNP shall be the sole criterion for completion of the Contractor's work and eligibility for payment/s.</p>	Deliverable	Target Date from the date of contract signature	LOT 1 - 14
Deliverable	Target Date from the date of contract signature			
LOT 1 - 14	120 calendar days from the signature of the contract			
Delivery place / terms (INCOTERMS 2020)	<p>DDP Cahul For Lots: 1,2,3,4,5,6,7,8,9,10 As per the beneficiary institutions' address: Str. Sarmizegetusa 41, Zirnesti, Cahul</p> <p>DDP Ungheni For Lots: 6,7,11,12,13,14 As per the beneficiary institutions' address: Str. Lacului, 1, Ungheni</p>			
Customs clearance (must be linked to INCOTERM)	<p>Shall be done by: <input checked="" type="checkbox"/>Supplier/Bidder UNDP is available to provide support to the contractor with required documents necessary for customs clearance and VAT payment exemption, if needed.</p>			
Packing requirements	N/A			
Mode of transport	Any			
Installation Requirements	As per specifics of delivered equipment.			
Testing Requirements	On site			
Scope of Training on Operation and Maintenance	<p>Training is required at the premises of the beneficiary institution. The trainings should be held during the workweek, after the delivery of the equipment to the addresses stated in this ITB. Training should be provided by the company's trainer(s).</p> <p>Where necessary, training shall consist of installation, focusing on troubleshooting, maintenance and operations of supplied equipment. The training should last one day for the beneficiary institution for up to 20 persons per training. The End User is responsible for organizing training premises. Where necessary, the Supplier should cover trainers fee, and travel costs to and from Moldova for international trainer(s).</p>			
Commissioning	Required			
Warranty Period	<p>The supplier shall cover all equipment under warranty for any material defects, defects in workmanship and premature failures under normal use and service, for a period of minimum 12 months from the date of delivery and goods acceptance. The supplier shall repair or replace any defective equipment or parts throughout the warranty period and cover any related cost.</p>			

	<p>After delivery and acceptance of equipment the Supplier shall provide a warranty certificate or similar issued to the beneficiary institution.</p> <p>Offerors shall describe the warranty and post-warranty conditions provided and service/trade customs and procedures applied.</p>
Local Service Support	The Contractor must provide a list of at least one authorized representative located in Moldova or neighbouring countries.
Technical Support Requirements	<p>The Selected Bidder shall provide the following methods of offline technical support: On-site support and/or online support including answering technical queries online (email and telephonic) when feasible and needed.</p> <p>Turnaround time for answering queries will be less than 3 days.</p> <p>In case on site support is needed it needs to be provided within 20 days from the moment of beneficiary's notification.</p>
After-sale services Requirements	<input checked="" type="checkbox"/> Warranty on Parts and Labor for minimum period of twelve (12) months <input checked="" type="checkbox"/> Technical Support for LOTS 1, 2, 3, 6, 8, 9, 13, and 14
Payment Terms	100% within 30 days upon UNDP's acceptance of the goods delivered as specified and receipt of invoice
Conditions for Release of Payment	<input checked="" type="checkbox"/> Inspection upon arrival at destination <input checked="" type="checkbox"/> Installation <input checked="" type="checkbox"/> Testing <input checked="" type="checkbox"/> Training on Operation and Maintenance for LOTS 1, 2, 3, 6, and 14 <input checked="" type="checkbox"/> Written Acceptance of Goods based on full compliance with ITB requirements
All documentations, including catalogues, instructions and operating manuals, shall be in this language	<input checked="" type="checkbox"/> English; <input checked="" type="checkbox"/> Others: Russian, Romanian