

VOLUME I: Technical Specifications

Specification	Delivery Destination
<p>Lot 1 - Radial telescopic conveyor with a capacity of not less than 250 t/h with one hopper for receiving from a front loader</p> <ul style="list-style-type: none"> • Type: Radial telescopic conveyor. • Product: typical bulk density 0.65 t/m³; this equipment will be used to convey agricultural commodities such as grains, oilseeds, and oil cake • Capacity: not less 250 tonnes per hour. • Conveyor Length: 12000mm with capability to extend to 18000mm. • The maximum angle of rise of the arrow, >21 degrees. • Working length (at an angle of 18 degrees), 12000 to 18000mm. • Unloading height (at an angle of 18 degrees), >6000 mm. • Height of the centre of the receiving hopper, <2000 mm. • The volume of the receiving hopper is at least 6.0 cubic meters. • Power / drive: Combined (Electric 380V + Diesel Engine) • Type of conveyor belt: Rubber fabric, MBS, chevron, wear-resistant, EP 400 3 Ply, not less than 4mm+2mm; Control type: Local and wireless control panel. • Control Panel and safety features: belt movement, excessive load on the belt, integrity of the retractable mechanism, speed of the belt movement; Power grid: External, 380V, 50Hz; Electrical equipment protection class: IP66. • Other design requirements: Provide a receiving funnel with a round outlet for accurate flow direction at the exit of the product from the belt. Stepless regulation of productivity in the range of 60-100%. The conveyor belt should be designed to ensure minimum wastage or losses during the loading process. • Please include brochure / drawings / schematic of your solution with your proposal • Vendor of equipment to be a recognised manufacturer of the stated equipment and shall hold stock of spare-parts for the unit model tendered. Vendor must also demonstrate capability to provide direct certified around the clock in-country or remote telephone service support. Bidder shall state in their offer the name(s) and address(es) of company / distributor / subsidiary that will be responsible for addressing issues that arise with respect to spare parts provision and / or after-sales service • The vendor shall ensure that the equipment is manufactured to the highest international standards and shall include measures to protect the equipment from moisture, rain, rust, corrosion, and other forms of damage, etc. considering 	<p>Reni, Ukraine 1 unit</p>

the local climatic conditions, the nature of the equipment, and it's intended use. The equipment shall also be designed and engineered to include featured that help ensure the health and safety of the user operator.

- Operation and Service Manuals: Solution to be supplied with all operator handbooks and workshop manuals. The following documents must be provided (in the English language and ideally, but not compulsory in the Ukrainian language) to the customer when transferring the equipment:
 - - operating manual.
 - - product datasheets.
- Manufacturing Lead-times: Units available within 2-6 months of contract signing will be given priority. Please provide an estimated delivery schedule for proposed equipment.
- The bidder shall provide training and user instruction upon installation of the equipment – please note this cost as a separate line item in your offer.



Lot 2 – 150tph Pneumatic Transhipment Loader

- Pneumatic transhipment loader capable of handling of at least 150 tonnes or more per hour.
- Solution to be driven by 380 V motor or diesel engine. Electric is preferred
- Product: typical bulk density 0.65 t/m³; this equipment will be used to convey agricultural commodities such as grains, oilseeds, and oil cake
- Solution shall be mobile on wheels
- Control panel to be localised on the equipment.
- Unloading from / to rail wagons or trucks and loading them directly onto trucks or in railway carriages is possible
- Vendor shall demonstrate that the solution is designed in a manner that meets best practice and causes minimal damage to the grain.

Kiev, Ukraine
1 unit

Novomoskovsk (Dnipro), Ukraine
1 unit

- Solution to encompass telescope boom with swivel rans of 300+ degrees. Telescopic range of 2.0 to 6.0m or more. Boom angle up to 45 degrees.
- Solution is Mobile and is possible to transport on public roads.
- The design of the wagon unloader makes it possible for optimal used near the wagon, which makes it possible to reload grain from the wagon to car trailers with minimal space requirements.
- Solution can also be used as a wagon loader
- Unloading height: 4,600 to 5,300mm
- Please include brochure / drawings / schematic of your solution with your proposal ideally in the English language.
- The vendor shall ensure that the equipment is manufactured to the highest international standards and shall include measures to protect the equipment from moisture, rain, rust, corrosion, and other forms of damage, etc. taking into account the local climatic conditions, the nature of the equipment, and it's intended use. The equipment shall also be designed and engineered to include featured that help ensure the health and safety of the user operator.
- Vendor of equipment to be a recognised manufacturer of the stated equipment and shall hold stock of spare-parts for the unit model tendered. Vendor must also demonstrate capability to provide direct certified around the clock in-country or remote telephone service support. Bidder shall state in their offer the name(s) and address(es) of company / distributor / subsidiary that will be responsible for addressing issues that arise with respect to spare parts provision and / or after-sales service
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