

**TECHNICAL REQUIREMENTS FOR 270
CARGO WAGONS**

No.	Required functionality description		Specify YES/NO	Document with the number of the page proving the functionality
1.	Type of wagon	T-type cargo wagon for grain transportation		
2.	Number of axles	4-axle bogie wagon		
3.	Axle and monobloc wheel country of origin	Europe		
4.	Type approval/Permit for placing on the market	ERA type approval and the bidder's permit for placing on the market		
5.	Kinematic profile - TSI	G1 – TEN GE		
6.	Gauge	1435 mm		
7.	Nominal speed (loaded/empty)	100/120 km/h		
8.	Minimal track curve radius	35 m		
9.	Type of bogie	Y25 variants Axle distance = 1800 mm		
10.	Axle with wheels	25t (with bearings and housing)		
11.	Braking system	KE-GP-A / KE-GP-A(K)		
12.	Type of brake pad	K Cosid C810		
13.	Hand brake	Installed in 30% of cargo wagons		
14.	Buffers	Type: Category A Stroke: 105 mm Elastomer spring set 40 kJ		
15.	Screw coupler	1350 kN		
16.	Hook	1500 kN		
17.	Draw gear	1500 kN Elastomeric pads: Durel, Miner or EuroPad		
18.	Automatic coupler preparation	UIC 530-1, 4a		
19.	Container volume	95m3-100m3		

*** Bidder is required to fill out this form**