

Technical Specifications

Supply of Flatbed / Low-Bed Trailers for Transport of Generators

1. Purpose

The trailers shall be used for the transport of generators, with **one generator per trailer**.

Reference generator dimensions and weights:

Generator Model Dimensions (L × W × H) Weight

GPW35Y	220 × 110 × 170 cm	1,150 kg
GPW45Y	220 × 110 × 170 cm	1,160 kg
GRW115P	350 × 120 × 200 cm	2,460 kg

2. Lot Structure

Lot 1

Two (2) flatbed / low-bed trailers for generators **GPW35Y** and **GPW45Y**

Lot 2

One (1) flatbed / low-bed trailer for generator **GRW115P**

3. General Technical Requirements Applicable to All Lots

The offered trailer shall:

- be factory-new;
- be suitable for safe road transport of one generator;
- be designed as a **flatbed trailer** or **low-bed trailer** with a level loading platform;
- comply with applicable road traffic and safety regulations;
- be delivered complete and ready for operation;
- include all required technical and legal documentation;

- be suitable for repeated transport of heavy equipment;
- include adequate load securing arrangements for machinery transport;
- include an **adjustable-height drawbar**. Alternatively, height-adjustable and foldable to save as much space as possible during air transport. If feasible, please submit a separate quote.

All stated minimum load capacities shall include sufficient reserve for standard load securing equipment and normal operational accessories.

4. Technical Specification – Lot 1

4.1 Scope of Supply

Supply of **two (2) road-legal flatbed / low-bed trailers** for transport of generators **GPW35Y** and **GPW45Y**, each generator having reference dimensions of **220 × 110 × 170 cm** and a reference weight of up to **1,160 kg**.

4.2 Minimum Technical Requirements

General

- Factory-new trailer
- Flatbed or low-bed trailer design
- Suitable for transport of one generator
- Road-legal and approved for public road use

Capacity

- **Gross vehicle weight rating (GVWR): minimum 2,000 kg**
- **Payload: minimum 1,400 kg**

Loading Platform

- **Internal platform length: minimum 250 cm**
- **Internal platform width: minimum 140 cm**
- Flat, durable and slip-resistant platform
- Preferably low loading height
- Platform shall be suitable for concentrated machinery loads

Chassis and Structure

- Heavy-duty steel frame or equivalent

- Minimum **2 axles**
- Suitable for repeated transport of machinery
- Corrosion-protected construction, preferably galvanized or equivalent
- The trailer shall be supplied with side walls and corner posts
- The side walls and corner posts shall be **fully removable** in order to allow easy loading and unloading
- Removal and reinstallation shall be possible without complex workshop intervention

Load Securing

- Minimum **6 heavy-duty lashing points**
- Lashing points shall be permanently integrated into the frame or chassis
- Suitable for securing heavy machinery loads
- The bidder shall state the rated capacity/specification of the lashing points

Braking and Safety

- Overrun brake
- Parking brake
- **Heavy-duty jockey wheel** suitable for the trailer weight
- Wheel chocks
- Full road lighting equipment
- Trailer shall be equipped with either a **13-pin plug** or a **7-pin plug**
- A suitable adapter to the respective other pin configuration shall be included in the supply
- Mudguards / splash protection

Support Legs / Stabilizers

- The trailer shall be equipped with **front and rear support legs or stabilizers** to ensure stability during loading and unloading operations

Drawbar

- The trailer shall be equipped with an **adjustable-height drawbar**. Alternatively, height-adjustable and foldable to save as much space as possible during air transport. If feasible, please submit a separate quote.

- The drawbar shall be suitable for the permitted total weight of the trailer
- The drawbar adjustment shall allow adaptation to different towing vehicle coupling heights

Coupling

- The trailer shall be equipped with a **standard ball coupling**
- No other coupling type shall be permitted

Documentation

- Operating and maintenance manual in English or German
 - Spare parts reference or spare parts list
 - Required conformity and registration documents
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5. Technical Specification – Lot 2

5.1 Scope of Supply

Supply of **one (1) road-legal heavy-duty flatbed / low-bed trailer** for transport of one generator **GRW115P** with reference dimensions of **350 × 120 × 200 cm** and a reference weight of **2,460 kg**.

5.2 Minimum Technical Requirements

General

- Factory-new trailer
- Heavy-duty flatbed or low-bed trailer design
- Suitable for transport of one generator
- Road-legal and approved for public road use

Capacity

- **Gross vehicle weight rating (GVWR): minimum 3,500 kg**
- **Payload: minimum 2,700 kg**

Loading Platform

- **Internal platform length: minimum 400 cm**
- **Internal platform width: minimum 150 cm**
- Flat, robust and slip-resistant platform

- Preferably low loading height
- Platform shall be suitable for concentrated machinery loads

Chassis and Structure

- Reinforced heavy-duty frame construction
- Minimum **2 braked axles**
- Suitable for repeated heavy equipment transport
- Corrosion-protected construction, preferably galvanized or equivalent
- The trailer shall be supplied with side walls and corner posts
- The side walls and corner posts shall be **fully removable** in order to allow easy loading and unloading of generator units and machinery
- Removal and reinstallation shall be possible without complex workshop intervention

Load Securing

- Minimum **8 heavy-duty lashing points**
- Lashing points shall be permanently integrated into the frame or chassis
- Suitable for securing heavy machinery in longitudinal and transverse directions
- The bidder shall state the rated capacity/specification of the lashing points

Braking and Safety

- Overrun brake
- Parking brake
- **Heavy-duty jockey wheel** suitable for the trailer weight
- Wheel chocks
- Full road lighting equipment
- Trailer shall be equipped with either a **13-pin plug** or a **7-pin plug**
- A suitable adapter to the respective other pin configuration shall be included in the supply
- Mudguards / splash protection
- Tyres and axle system suitable for the maximum permitted load

Support Legs / Stabilizers

- The trailer shall be equipped with **front and rear support legs or stabilizers** to ensure stability during loading and unloading operations

Drawbar

- The trailer shall be equipped with an **adjustable-height drawbar**. Alternatively, height-adjustable and foldable to save as much space as possible during air transport. If feasible, please submit a separate quote.
- The drawbar shall be suitable for heavy-duty operation and for the permitted total weight of the trailer
- The drawbar adjustment shall allow safe adaptation to different towing vehicle coupling heights

Coupling

- The trailer shall be equipped with a **standard ball coupling**
- No other coupling type shall be permitted

Documentation

- Operating and maintenance manual in English or German
- Spare parts reference or spare parts list
- Required conformity and registration documents

6. Mandatory Technical Information to Be Provided by the Bidder

The bidder shall provide, as part of the offer, at minimum the following information for each lot offered:

- manufacturer
- model / type designation
- technical data sheet
- gross vehicle weight rating (GVWR)
- payload
- tare weight / unladen weight
- number of axles
- braking system
- internal loading platform dimensions

- loading height
- number and specification / rated capacity of lashing points
- confirmation that the loading platform is suitable for concentrated machinery loads
- type of drawbar
- adjustment range of the drawbar
- confirmation that the adjustable-height drawbar is approved for the offered trailer weight
- type of electrical plug supplied
- confirmation that the required adapter is included
- corrosion protection
- delivery time
- warranty period