



ASSISTIVE PRODUCT SPECIFICATION FOR PROCUREMENT

Toilet and Shower Chairs

Objective:

The objective of this specification is to help organizations in procuring good quality toilet/shower chairs that are durable and which help individuals with self-care.

World Health Organization

1. Product description

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| The purpose of this section is to provide specific key details relevant to the assistive product so that it is easily identifiable. | |
| Purpose of 1.1 | Name of product as per WHO priority APL and/or commonly used names. |
| 1.1 Name of product | Toilet/shower chairs |
| Purpose of 1.2 | As per ISO 9999 classification and terminology document (refer https://www.iso.org/standard/60547.html). |
| 1.2 ISO 9999 code | <p>09 12 03 <i>Commode chairs</i> Chairs, with or without castors, with a collection receptacle used for toileting away from the bathroom Included are, e.g. sanichairs, toilet wheelchairs, commode chairs also used for showering.</p> <p>09 12 12 <i>Raised toilet seats mounted on frame</i> Raised toilet seats (separate) standing on floor, where the seat can easily be removed from the toilet bowl Included are, e.g. over toilet frames.</p> <p>09 33 07 <i>Shower chairs with and without wheels</i> Devices for supporting sitting during showering Included are, e.g. shower stools.</p> |
| Purpose of 1.3 | Describes the product type in clear, simple, easily understood language and the intended use in addressing functional needs. |
| 1.3 Description and intended use | Toilet/ Shower Chairs are designed to enable hygiene maintenance for those who find it difficult or impossible to use a standard toilet or shower. Users may require support to transfer off/on the chair and for hygiene (cleaning and drying). |
| Purpose of 1.4 | Refers to general characteristics of the assistive product that describes its appearance and components. |
| 1.4 General features | Chair with tubular frame and four wheels/castors with at least two brakes (preferably swivel castor) that fits over western-style toilet or in roll-in shower. Chair with seat aperture (may be circular, or keyhole design to side, back or front), a removeable collection receptacle (pan), and armrests (preferably removeable). The seat / backrest may be padded, and the chair may have swing away / removable footrests. |
| Purpose of 1.5 | Refers to product models that are included in the specific APS. |
| 1.5 Inclusion | Static toilet frame, static shower chair, static shower stool, mobile shower commode chair (self-propelled and attendant propelled), foldable mobile shower commode chair. |
| Purpose of 1.6 | Refers to product models that are excluded in the specific APS. |
| 1.6 Exclusion | Chairs without a seat aperture for the pan, tub transfer benches, bathtub seats. |
| Purpose of 1.7 | Important, searchable words that relate to the specific assistive product. |
| 1.7 Keywords | Shower chair, toilet chair, waterproof wheelchair, commode chair with wheels, over toilet shower commode, shower chairs, sanichair, toilet wheelchair |

2. Product requirements

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The purpose of this section is to provide details of all applicable requirements relative to the specific assistive product. A requirement is mandatory and typically describes what a product should be able to do, how it should appear (product and packaging) etc. Only supply and service requirements considered applicable in procurement of toilet and/or shower chairs.

2.1 Functional requirements

| Purpose of 2.1 | | A functional requirement refers to technical details and other specific functionality that define what a product variation is supposed to accomplish. Per product variation, the requirement should describe the typical user, specific characteristics of the product (in addition to the general features above) as well as the requirements for standard configuration of the product. It is important to focus on performance requirements rather than form factors. It is important to have a clear and specific description of the typical users including e.g. health condition, functional limitation or demographics (range of age, body weight, height, etc). If applicable, specific context of use (e.g. indoor/outdoor, in noisy environment, etc) should be specified in the product variations. | | |
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| Item | Product variations | Typical user | Specific characteristics | Requirements for standard configuration |
| <i>Static toilet frame/shower chair/shower stool</i> | | | | |
| 1 | Static Over Toilet Frame/ Aid | Adult of typical height and weight. Able to self-transfer, and weight bear. Requires min-moderate assistance in toilet transfers. | Static aid implies equipment would not be fitted with castors/wheels. Equipment designed to be a basic, intended to aid in user sit-stand transfer and sitting during hygiene routine. | <p>Dimensions of equipment to consider with sizes suitable for average population:</p> <ul style="list-style-type: none"> • Seat Width – approx. 440mm • Seat Depth – approx. 430mm • Min/Max Seat Height- approx.. 400-550mm • Width Between Arms – approx. 460mm • Safe weight load – approx. 150kg • Specific dimensions for bariatric use • Specific dimensions for paediatric use <p>Other features to include in standard OTF</p> <p>Height adjustable legs: possible use of push buttons for changing needs & uneven surfaces.</p> <p>Raised armrest: for ease of on/off transfer.</p> <p>Non-slip feet: for grip and stability in wet conditions.</p> <p>Toilet splash guard: to avoid spills and splashes.</p> <p>Removable Backrest : Optional to provide for those who intend to use OTF as bedside commode aid.</p> |
| 2 | Static Shower Chair | Adult of typical height and weight. Able to self-transfer, and weight bear. Requires min-moderate assistance in standing balance. | Static aid implies equipment would not be fitted with castors/wheels. Equipment designed to be a basic; intended to aid user in sit-stand transfer, and sitting | <p>Dimensions of equipment to consider with sizes suitable for average population:</p> <ul style="list-style-type: none"> • Seat Width – approx. 440mm • Seat Depth – approx. 430mm • Min/Max Seat Height- approx 400-550mm • Width Between Arms – approx. 460mm • Safe weight load – approx. 150kg • Specific dimensions for bariatric use • Specific dimensions for paediatric use |

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| | | | during hygiene routine. | Other features to include in standard shower chair: Height adjustable legs: possible use of push buttons for changing needs & uneven surfaces. Raised armrest: for ease of on/off transfer. Back support: for those requiring minimum-moderate support while sitting. Non-slip feet: for grip and stability in wet conditions. |
| 3 | Static Shower Stool | Adult of typical height and weight. Able to self-transfer, and weight bear. Requires min-moderate assistance in standing balance. | Static aid implies equipment would not be fitted with castors/wheels. Equipment designed to be a basic; intended to aid user in sit-stand transfer, and sitting during hygiene routine | Dimensions of equipment to consider with sizes suitable for average population: <ul style="list-style-type: none"> • Seat Width – approx. 440mm • Seat Depth – approx. 430mm • Min/Max Seat Height- approx 400-550mm • Width Between Arms – approx. 460mm • Safe weight load – approx. 150kg • Specific dimensions for bariatric use • Specific dimensions for paediatric use Other features to include in standard shower stool : Height adjustable legs: possible use of push buttons for changing needs & uneven surfaces. Raised armrest: for ease of on/off transfer. Non-slip feet: for grip and stability in wet conditions. Back support: optional for those requiring minimum-moderate support while sitting, |
| Mobile shower commode chair | | | | |
| 4 | Attendant-propelled mobile Shower commode chair | Adult of typical height and weight. Unable to transfer onto lavatory or shower seat with ease. Non weight bearing. Non ambulatory. | Mobile aids are fitted with wheels and castors intended to assisting user with reduced mobility. More features/options can be considered to assist those who require additional support: <i>Tilt in space option:</i> Angle of Tilt – approx.0 - 35 degrees | Dimensions of equipment to consider with sizes suitable for average population: <ul style="list-style-type: none"> • Seat Width – approx. 440mm • Seat Depth – approx. 430mm • Min/Max Seat Height- approx 400-550mm • Width Between Arms – approx. 460mm • Back height – approx. • Safe weight load – approx. 150kg • Specific dimensions for bariatric use • Specific dimensions for paediatric use Other features to include in standard attendant propelled MSC: Brakes Removable open pan Adjustable arms |

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| | | | <i>Seating options:</i> - Open front or closed front | 4 swivel castors Rustproof frame, Adjustable/sliding foot rest |
| 5 | Self-propelled mobile shower commode chair | Adult of typical height and weight. Able to self-transfer, with good upper body strength. Non weight bearing. Non ambulatory. | - padded seats or standard <i>Head rest option</i> - <i>separate head rest or extension of back rest</i> <i>Back rest option:</i> - High or low | Dimensions of equipment to consider with sizes suitable for population: • Seat Width – approx. 440mm • Seat Depth – approx. 430mm • Min/Max Seat Height- approx 400-550mm • Width Between Arms – approx. 460mm • Back height – approx. • Safe weight load – approx. 150kg • Specific dimensions for bariatric use • Specific dimensions for paediatric use Other features to include in standard self-propelled MSC: Reachable brakes Removable open pan Adjustable arms 2 back wheels and 2 front swivel castors, Rustproof frame Adjustable/sliding footrest |
| 6 | Travel Lightweight, folding mobile shower commode chair. | As above but needs to travel. | | As above (attendant propelled or self-propelled mobile shower commode) and should be foldable to fit into a sedan vehicle or for ease of transportation using public transport. |
| Purpose of 2.2 | | Brief and clear description of general product performance requirements and overall qualities (e.g. stability, strength, durability, waterproof, etc). | | |
| 2.2 General design requirements | | Chair are made of rust/corrosion-proof, waterproof, and contamination-resistant material (e.g. such as stainless steel or PVC), and include a frame and seat, an open pan, and wheels or castors so that the user can self-propel, or be pushed by an attendant, over the toilet or into the shower. | | |
| Purpose of 2.3 | | Details of existing or in-progress national or international standards should be provided here, whether freely or commercially available. | | |
| 2.3 Standards | | <p>The product shall have sufficient strength and durability to sustain all loads expected during intended use. This shall be confirmed by using, as appropriate, references to relevant clinical and scientific literature in addition to the requirements in this standard, strength and/or durability calculations, appropriate test standards and their test results.</p> <p>The intended performance including, if appropriate, strength, durability and tipping stability of the product shall be described in the information supplied by the manufacturer which sets out its functional characteristics, its application(s) and conditions of use.</p> <p><i>Current product standards for toilet and shower chairs</i> ISO 17966:2016 <i>Assistive products for personal hygiene that support users — Requirements and test methods</i></p> | | |

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| | All documentation should be in the official language or in English (other languages could be specified too). |
| Purpose of 2.4 | A certificate of conformity confirms that a product conforms to applicable national and/or international regulations. If a certificate is required for the specific assistive product, this information should be requested, e.g., CE (Europe), COC (Japan), GCC (USA). |
| 2.4 Certificate of conformity | <p>A certificate that the product conforms with applicable national or international regulations and standards should be provided (for example, a declaration of conformity with the medical device directive or the medical device regulation of the European Union).</p> <p>If the product does not conform with applicable national or international regulations and standards, the supplier should provide a certificate that the product complies with the requirements in this call for tender and is safe and effective for use by the typical user.</p> <p>The certificate should specify the product, all applied standards, if any, and the name and contact information of the supplier and be provided with the tender. The certificate of conformity is a legal document and should be signed by an authorized person at the supplier.</p> <p>The certificate of conformity should be supplied in the official language or in English (other languages could be specified too).</p> |
| Purpose of 2.5 | Lists the relevant scope of information required to identify the appropriate size and weight of the assistive product in its standard configuration (specific dimensions may be given if appropriate). |
| 2.5 Size and weight | Information about the overall width, width between arms, seat dimension, floor to seat height, weight of chair, and safe working load/product capacity of chair should be provided. If applicable, dimensions in operating and folded modes should be provided. Sizing varies with average/ standard dimensions and could be approximately 18”(410 mm– 450mm) width and 19”(480mm) height. |
| Purpose of 2.6 | Lists the relevant scope of information that should be provided to service providers (e.g. how to select, assemble, fit, adapt, follow up, maintain, repair, refurbish the assistive product). The desired language(s) in which the technical information should be provided should be stated. |
| 2.6 Technical information | <p>Instructions on how to assemble, adapt, maintain, service, repair, and refurbish the product should be provided.</p> <p>The technical information should be provided in the official language where the products are supplied or in English (other languages could be specified too).</p> |
| Purpose of 2.7 | Lists the scope of information, and its format, that should be provided to end-users to show how to safely use the assistive product. |
| 2.7 Instructions for use | <p>A user manual with instructions for use of the product should be provided by the supplier, and if necessary, instructions for assembling the product should be provided by the supplier. It should provide instructions on how to safely and effectively use the product, and how to maintain and clean it. The language and format should be appropriate for the user and/or care-giver.</p> <p>The user manual may be provided in print or electronic format. The user manual should be provided in the official language, and if appropriate, in English (other languages could be specified too).</p> |
| Purpose of 2.8 | Refers to the various weather and other environmental conditions, e.g., temperatures, humidity, rain, snow, sunshine, that the assistive product should be able to withstand. |
| 2.8 Environment of use | The product should be able to withstand conditions expected in a domestic bathroom such as warm water, humidity. It should be used on a smooth floor surface. If used in a shower there should be no lip between the bathroom floor and shower floor (i.e. a roll-in shower). The product should have enough clearance to slide over the top of the toilet. |

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| Purpose of 2.9 | Refers to the duration of the warranty period and the details of the warranty the manufacturer/supplier should provide within the specified period. |
| 2.9 Warranty | <p>Provided normal heedful use, the supplier should, during the warranty period and without extra expenses, repair parts which break on the products delivered. This comprises all spare parts and labour, except for normal wear and tear of the product.</p> <p>The warranty period should be at least 2 years after delivery of the product to the user. The same should apply for spare parts and accessories.</p> <p>The supplier should cover all transport costs when repairing the product.</p> <p>Following a verbal or written complaint, the supplier should repair or replace the product within 30 working days.</p> |
| Purpose of 2.10 | Refers to the expected duration, in years, of the assistive product. Documents describing how this is ensured must be provided. |
| 2.10 Lifespan | Given the purpose of use by typical users, the product should be designed for a lifetime of at least 5 years. Documents describing how this is ensured should be provided. |
| Purpose of 2.11 | Lists the scope of information required in packaging and labeling the assistive product. Explains the state of assembly the assistive product should be in when received by the end-user. |
| 2.11 Packaging, labelling, and state of assembly | <p>Each product should be delivered in an individual package with a label clearly stating details of the product. All necessary parts should be included in the package.</p> <p>The package should withstand handling during transportation.</p> <p>The product should be delivered fully assembled or assembled to such an extent that the remaining assembly can be carried out with the use of commonly available screwdrivers or wrenches. If any special tool is required, it should be included with the delivery.</p> |
| Purpose of 2.12 | Refers to additional product requirements, depending on the specific assistive product, e.g., material, corrosion-resistance, adjustability, foldability, etc. |
| 2.12 Other product requirements | <p>In the tender, the supplier should provide the following information about the static/mobile toilet/shower chairs:</p> <ul style="list-style-type: none"> • Maximum load • Intended use • Features of the environment which are necessary for the product to be utilized (clearance, floor surfaces) • Adjustability • Any contraindications |

3. Supply and service requirements

The purpose of this section is to describe key supply and service requirements that are needed in order to ensure that the assistive product is received in due time, operational, being maintained/repared and refurbished. From the information provided below, only those supply and service requirements considered applicable may be used in a procurement bid.

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| Purpose of 3.1 | Lists the scope of information to be requested on how the assistive product will be transported to the place of delivery. |
| 3.1 Transportation | Information on how the static/mobile toilet and shower chairs will be transported should be provided and who should pay for the transportation. |
| Purpose of 3.2 | Specifies the time between placing an order and receiving delivery of the assistive product (e.g. that it should not exceed 30 calendar days). |

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| 3.2 Delivery time | The time between placing an order for a static/mobile toilet and shower chair and receiving delivery of them should not exceed 30 working days. |
| Purpose of 3.3 | Refers to the specific details of the various accessories and spare parts available for the assistive product, including pricing and availability. |
| 3.3 Accessories and spare parts | <p>The supplier should offer the following accessories:</p> <ul style="list-style-type: none"> - Seats for all variations of static/mobile toilet and shower aid - Splash guard/bed pan for all static/mobile toilet and shower aid. <p>The supplier should offer the following spare parts: All parts that the static/mobile toilet and shower aid consists of, and which may be replaced at some stage, must be offered as spare parts. The supplier must state which variations/brands of equipment the accessories and spare parts are meant for. When an accessory consists of one part, the same part must not be offered both as an accessory and a spare part, but only as an accessory. When an accessory consists of several parts that can be replaced, all replaceable parts must be offered as spare parts. Spare parts must be made available for a period of at least 5 years after the last order of a static/mobile shower aid. The price of the spare parts should be offered per part and not per set or pair.</p> |
| Purpose of 3.4 | Provides information regarding required maintenance services the supplier will provide, including the timeframe and frequency. |
| 3.4 Maintenance | Information about payment per hour, including definitions of when a job starts and finishes; travel expenses, from – to, fee per km, rules when several repair jobs are done on the same route; hotel bills; who should provide the spare parts; in cases the job is done by a sub-supplier, the invoice should be sent by the supplier with the contract. The prices should be according to the contract. (More information may be requested to be provided.) |
| Purpose of 3.5 | Provides information regarding required repairment services the supplier will provide, including the timeframe and frequency. |
| 3.5 Repair | Information about payment per hour, including definitions of when a job starts and finishes; travel expenses, from – to, fee per km, rules when several repair jobs are done on the same route; hotel bills; who should provide the spare parts; in cases the job is done by a sub-supplier, the invoice should be sent by the supplier with the contract. The prices should be according to the contract. (More information may be requested to be provided.) |
| Purpose of 3.6 | Provides information regarding required refurbishment services the supplier will provide, including the timeframe and frequency. |
| 3.6 Refurbishing | Information about payment per hour, including definitions of when a job starts and finishes; travel expenses, from – to, fee per km, rules when several repair jobs are done on the same route; hotel bills; who should provide the spare parts; in cases the job is done by a sub-supplier, the invoice should be sent by the supplier with the contract. The prices should be according to the contract. (More information may be requested to be provided.) |
| Purpose of 3.7 | Specifies if training service providers is required by suppliers, and the key elements included in the training (e.g. selection, assembly, fit, maintenance and repair of the assistive product). Refers to detailed training contents or materials, if available and applicable. |
| 3.7 Training of service providers | Information on how to safely repair parts of the static/mobile toilet/shower chair should be provided. Information to refurbish moving and upholstered parts static/mobile toilet/shower chair should be provided. |
| Purpose of 3.8 | Specifies if training users is required by suppliers, and the key elements included in the training (e.g. training to users should include fit, use, maintenance and cleaning of the assistive product). Refers to detailed training contents or materials, if available and applicable. |
| 3.8 Training of users | Information to enable consumers and care givers to appropriately clean and maintain, and safely repair parts of the static/mobile toilet/shower chair should be provided. Written/online |

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| | training for users and care givers should be made available. Information regarding when a user should consult with the appropriately trained personnel regarding the use of the device could be provided. |
| Purpose of 3.9 | Provides information regarding other supply and service requirements. |
| 3.9 Other supply and service requirements | Not applicable in this call for tender. |