



**national treasury**

Department:  
National Treasury  
REPUBLIC OF SOUTH AFRICA

**RT55-2021**

**ANNEXURE E5**

**SPEECH THERAPY**

**TECHNICAL  
SPECIFICATIONS**

**RT55-A-102 : Paediatric Basic Sequence Cards (3 steps)**

**Description**

A game used for paediatrics with neurological impairments for communication therapy

**Technical Specifications**

Basic sequences cards: 3 step consisting of 45-50 cards

Images on cards must be colour photographs

Must reflect a variety of cultures and races

Cards must be laminated with rounded corners

Each set of cards must come in a sturdy box with a manual

Cards must be at least 15x15cm big

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-103 : Paediatric Basic Verbs Cards**

**Description**

A collection of pictures and board games used for paediatrics with neurological impairments for communication therapy

**Technical Specifications**

Basic verbs cards consisting of 45-50 cards

Images on cards must be colour photographs

Must reflect a variety of cultures and races

Cards must be laminated with rounded corners

Each set of cards must come in a sturdy box with a manual

Cards must be at least 15x15cm big

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

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**RT55-A-105 : Paediatric Familiar Verbs Cards**

**Description**

A game used for paediatrics with neurological impairments for communication therapy

**Technical Specifications**

Familiar verbs cards consisting of 45-50 cards

Images on cards must be colour photographs

Must reflect a variety of cultures and races

Cards must be laminated with rounded corners

Each set of cards must come in a sturdy box with a manual

Cards must be at least 15x15cm big

All accessories and consumables must be supplied standard with the unit

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**RT55-A107 : Paediatric Categories Cards**

**Description**

A game used for paediatrics with neurological impairments for communication therapy

**Technical Specifications**

Categories cards consisting of 190-200 cards

Images on cards must be colour photographs

Must reflect a variety of cultures and races

Cards must be laminated with rounded corners

Each set of cards must come in a sturdy box with a manual

Cards must be at least 15x15cm big

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-108 : Paediatric Sequence Cards (4 steps)**

**Description**

A game used for paediatrics with neurological impairments for communication therapy

**Technical Specifications**

Sequences cards 4-step consisting of 45-50 cards

Images on cards must be colour photographs

Must reflect a variety of cultures and races

Cards must be laminated with rounded corners

Each set of cards must come in a sturdy box with a manual

Cards must be at least 15x15cm big

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-111 : Paediatric Sequence Cards (6-8 steps)**

**Description**

A game used for paediatrics with neurological impairments for communication therapy

**Technical Specifications**

Sequences cards 6-8 steps for children consisting of 45-50 cards

Images on cards must be colour photographs

Must reflect a variety of cultures and races

Cards must be laminated with rounded corners

Each set of cards must come in a sturdy box with a manual

Cards must be at least 15x15cm big

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-112 : Paediatric Everyday Objects Cards**

**Description**

A game used for paediatrics with neurological impairments for communication therapy

**Technical Specifications**

Everyday objects cards consisting of 45-50 cards

Images on cards must be colour photographs

Must reflect a variety of cultures and races

Cards must be laminated with rounded corners

Each set of cards must come in a sturdy box with a manual

Cards must be at least 15x15cm big

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

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**RT55-A-114 : Paediatric Chairs**

**Description**

Paediatric chairs used for paediatric patients for completing table top activities

**Technical Specification**

Set of 4 children's chairs

Must be made of strong, washable ABS plastic

Must have flat, square seats, approximately 35cm square and 30cm off the ground

Must have backrests about 35cm high to support the back at a 90 degree angle

Must support the weight of an adult sitting on them (80kg)

Must be stackable

There chairs must not have arm rest

Available in the following : Green ,Yellow ,blue ,red

A price of each chair as an option must be supplied with this offer

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-115 : Paediatric table**

**Description**

Paediatric table used for paediatric patients for completing table top activities

**Technical Specification**

Approximately 80cm-square table surface with slightly raised outer rim

Must be made of strong, washable ABS plastic

Must be sturdy enough to support a 35kg weight

Must be stackable

Must be minimum of 40cm and not higher than 50cm off the ground

Available in the following : Green ,Yellow ,blue ,red

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-118 : Toy Activated by Pull-String**

**Description**

A therapeutic toy used for children's therapy

**Technical Specification**

Toy must consist of a main body and a string connected to a wind-up mechanism , which retracts the string once it has been pulled

Retraction of the string must be accompanied by an action by the toy, e.g. movement, vibration, activation of lights or sound

Toy must be made of durable coloured plastic

Toy must be washable and/or impervious to disinfectant

Main body of toy must be at least 7.5cm x 7.5cm x 7.5cm

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-119 : Vehicle Toy**

**Description**

A therapeutic toy used for children's therapy

**Technical Specification**

Vehicle activated by friction (pull-back toy)

Toy must represent a vehicle

Pulling back the toy on a flat surface must result in forward propulsion of the toy on release of the vehicle

Vehicle must be made of durable coloured plastic

Toy must be washable and/or impervious to disinfectant

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

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**RT55-A-120 : Playdough**

**Description**

A therapeutic toy used for children's therapy

**Technical Specification**

Set of playdough

Playdough must come in a set of at least six different colours, each in its own airtight container

Playdough must be non-toxic

Each colour must weight at least 100g

Playdough must be non-staining

Playdough must be unscented or only mildly scented

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-122 : Construction Block**

**Description**

A therapeutic toy used for children's therapy

**Technical Specification**

Construction block set for pre- and primary school children

Must consist of at least 30 blocks of varying sizes, colours and shapes, including two pairs of wheels, with interlocking bumps on their surfaces to keep the blocks stuck together

Must be made of durable coloured plastic that will not chip or peel or fade

Must be washable and impervious to disinfectants

Must come in a durable storage container

Must come with instructions for building at least three different items

Design must be for building a recognisable everyday object, e.g a fairly realistic vehicle.



All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-123 : Farm Animals Toys**

**Description**

A therapeutic toy used for children's therapy

**Technical Specification**

Set of 20 or more washable plastic realistic farm animals

Each approximately 4cm long

Must represent at least one of each of the following: horse, cow, pig, goat, sheep, chicken, duck, turkey, foal, calf, piglet, kid, lamb, chick.

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-124 : Wild Animals Toys**

**Description**

A therapeutic toy used for children's therapy

**Technical Specification**

Set of 20 or more washable plastic realistic wild animals

Each approximately 4cm long

Must represent at least one of each of the following: elephant, lion, rhino, antelope, bear, zebra, giraffe

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-133 : A3 Mobile whiteboard, markers, and duster**

**Description**

Mobile whiteboard used for writing and drawing

**Technical Specification**

Must have a porcelain-coated steel writing surface on both sides, or similar non-porous, non-staining surface (not melamine)

Surface must be dry-wipe

Surface must allow cleaning of permanent marker marks

Whiteboards must have aluminium, wooden or plastic frames to protect the edges

Must be supplied with white board markers, a set of 4 different colours (black, red, blue, and green)

Must be supplied with the whiteboard duster

**Accessories:**

A set of 4 different colours (black, red, blue and green) of white board markers

Whiteboard duster

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-139 : Alternative Communication software for assessment, training and therapeutic intervention**

**Description**

Software for Speech Therapy loaded onto an alternative communication device

**Technical Specifications**

**1. Specification for software**

The software should consist of the following:

**a. The Grid multi-user, latest edition**

Software that allows for communication and access.

Must allow people with limited or unclear speech to use a computer as a voice output communication aid, using symbols or texts to build sentences.

Must accept input from eye gaze, switches, head pointer, touchscreen, mouse and other options.

**b. Boardmaker with Dynamically Speaking Pro**

Software that gives a voice to individuals with significant speech and language disabilities by transforming a computer into a speech output device.

Symbol database combined with an easy to use drawing program.

Must use Picture Communication System (PCS) in multiple languages. Boards can be created to be printed for AAC devices and patients or made to be audible for the use on the computer.

Must contain real speak voices.

**c. SwitchIt**

Software that allows patients to increase their ability to use switches and to demonstrate an understanding of language concepts.

It helps to stimulate and encourage movement and hand function, develop visual skills, and provide patient's with access to a range of learning situations, particularly those limited in physical movement who cannot access traditional methods.

A minimum of 5 different themes must be specified.

**d. Tobii Communicator**

Software for individuals with communication disabilities at various levels.

It is also ideal for creating page sets and communication boards.

**e. Switch Skills 1**

Software that has themes to help patients understand cause and effect, to develop more disciplined switch use.

The activities encourage speaking and listening and helps to develop concentration skills.

The bright clear graphics are suitable for those with visual impairment and includes sound and music features.

The program contains a collection of easy switch timing activities for all ages.

#### f. Switch Skills 2

Software that has themes to help patients understand cause and effect, to develop more disciplined switch use.

The activities encourage speaking and listening and helps to develop concentration skills.

The bright clear graphics are suitable for those with visual impairment and includes sound and music features.

The program contains activities at an elementary level.

#### g. Switch Skills 3

Software that has themes to help patients understand cause and effect, to develop more disciplined switch use.

The activities encourage speaking and listening and help to develop concentration skills.

The bright clear graphics are suitable for those with visual impairment and includes sound and music features.

The program contains activities at a higher level than Switch Skills 2.

#### h. Switch Skills - Scanning

Software with a set of switch activities designed for patients who are learning how to use switches to make choices either within software or scanning communication devices.

#### i. Tobii Dynavox Communicator (latest version)

Software that allows for communication and access.

It allows people with limited or unclear speech to use a computer as a voice output communication aid, using symbols or texts to build sentences.

It accepts input from eye gaze, switches, head pointer, touchscreen, mouse and other options.

Allows to choose level most appropriate for the user including choices between emerging communication, symbol communication and text communication

#### j. Tobii Dynavox Snap + Core First

Symbol-based software to teach communication and literacy

Must help the communicator continuously build vocabulary and skills and take advantage of motor learning by introducing new vocabulary systematically and purposefully, which allows users to move up or down and always know where to find vocabulary.

Must be built on three pillars for communication success: growth, engagement, and literacy

#### p. Letter Sounds Reading Doctor

Difficulty with grapheme (letter) - phoneme (sound) correspondence is one of the difficulties that significantly affect the ability to learn to read and spell because there is no relationship between the way letters look and the way they are sounded out.

Letter sounds 1 and letter sound 2 use the strategy of sound repetition in a pin-ball like gam, to teach children to associate letters and letter patterns with the sound they make.

q. Aphasia Language therapy (Tactus therapy solutions ltd)

4 in 1 toolkit of apps to include Comprehension, Naming, Writing and Reading

Must have core nouns, verbs, & adjectives run throughout all 4 apps

Target receptive & expressive goals

Built-in hierarchy of cues encourages independence

Completely customizable with words, pictures, prompts, & sounds

Assessment and therapy exercises for clinical and independent use

Availability: Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod Touch

r. Dysphagia Therapy (tactus therapy solutions)

Application designed to help clinicians assess swallowing disorders and determine appropriate rehabilitation options.

Must consist of four sections: Assessment, Treatment, Therapy Finder, and Resources.

App to contain information about swallowing anatomy and physiology, the cranial nerves, treatment options, and downloadable patient handouts.

Availability: Requires iOS 7.0 or later. Compatible with iPhone, iPad, and iPod Touch

s. Speech Sounds on Cue for Windows

Software that is used for treatment of articulation difficulty caused by apraxia of speech or other speech difficulties.

The aim is to increase the intensity of treatment of people with apraxia and uses the Rosenbek's integral stimulation approach with Hill's carrier phrase facilitation drills.

t. Social school stories

Software that uses activities with characters and contexts to teach and reinforce appropriate habits and interaction skills.

It helps to prevent socially inappropriate behaviour.

It portrays correct and incorrect behaviours with interactive stories and printable activities.

It additionally assists with comprehending feelings and extends literacy skills.

It requires Boardmaker.

u. Choose and Tell: Legends

Software that encourages children to make choices and create their own stories.

The program contains legends from around the world and different cultures.

v. Let's Go to Town

Software that is a multimedia tool for interaction and discussion, either one to one or as a group learning activity.

Suitable for both children and adults.

The program is designed to promote decision making and encourage discussion of the real life activity at a basic level.

Patients also gain an understanding of sequences of events and they can practice early reading skills too.

w Tobii Dynavox Snap + Core First

Symbol-based software to teach communication and literacy

Must help the communicator continuously build vocabulary and skills and takes advantage of motor learning by introducing new vocabulary systematically and purposefully, which allows users to move up or down and always know where to find vocabulary.

Must be built on three pillars for communication success: growth, engagement, and literacy

x. Tobii Dynavox PCEye Mini

Eye gaze control device that must allow one to run a standard Windows computer

Must work with any application that is normally controlled by a standard computer mouse.

Must allow one to surf the web, connect with friends online, play games, Skype, use environmental controls to turn on the lights or TV and make spreadsheets and documents by using one's eyes.

## 2. Specification for tablet

10.1" screen

Mini HDMI output

Bluetooth

Built-in 802.11/b/g/n Wifi

MicroSD Card slot

Intel Atom processor with 4GB Ram

HD 1280X800 IPS display

Micro USB port for charging

Up to 8hour battery life

64 GB storage

must be available in IOS or Android (to be selected by purchaser, according to compatibility with desired apps)

It is a great way to work on pronouns, verbs, adjectives and imaginative play.

Making the characters do incongruous things is a great way to initiate a play sequence.

## Tablet accessories

### a. Protective Frame for tablet

Big tablet protective frame that is lightweight, easy to grab and hold onto

Needs to be made of material that is non-toxic, BPA, lead and latex free

Sturdy stand to be included compatible with device

Dimensions: able to fit 10.1" tablet specified

### b. Tablet carry case

Carry case that can comfortably fit and secure tablet with 10.1" screen

Must close securely

Must provide protection in case of being dropped

### c. Mounting plate for tablet

Plate with table holder that can be secured to a table top

Plate with table holder to secure tablet

Ball joints allow a wide range of easy adjustment of angle and choice of landscape or portrait mode.

Base with screw fixing holes to allow firm mounting

### d. Bluetooth Assistive Switch

Bluetooth, wireless technology compatibility

Dual switch

Switch that can synchronise with smart phone or tablet technology to activate switch scanning mode

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

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**RT55-A-140 : Baby Bottle Microwave Sterilizer**

**Description**

Bottle steam sterilizer used to sterilize baby bottles

**Technical Specification**

Must hold minimum of 4 standard or wideneck bottles and teats (240ml)

Includes base, lid and internal bottle stabilizer/tray

Internal bottle stabilizer/tray removable for easy cleaning

Entire sterilizer fits inside a standard domestic microwave of a minimum 25L

Heat resistant handles and latches to help prevent burns

BPA free, made from non-toxic material which is safe for infants

Lightweight

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-141 : Electric Baby Bottle Steam Sterilizer**

**Description**

Bottle steam sterilizer used to sterilize baby bottles

**Technical Specification**

Must be able to hold minimum of 4 standard or wideneck bottles and teats (240ml)

Includes base, lid and internal bottle stabilizer/tray

Table top, compact device

Automatic safety off-switch

Internal bottle stabilizer/tray removable for easy cleaning

Heat resistant handles and latches to help prevent burns

BPA free, made from non-toxic material which is safe for infants

Must use standard 3 prong South African plug



All accessories and consumables must be supplied standard with the unit

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**RT55-A-149 : Human Ear Model**

**Description**

3D anatomical model used for patient counselling and education

**Technical Specification**

Educational model of the human ear

Four dimensional model which can be dismantled and re-assembled

Clearly details the outer, middle and inner ear, which can be dismantled into four pieces

Removable eardrum, malleus, incus and stapes

Anatomically accurate

Large size

Made from durable material

Stand included

The model must be supplied with clear labeling of anatomical structures and a literature of supporting structure, general location and functions.

All technical data sheets must be supplied

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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**RT55-A-152 : Software programmes for Speech Therapy**

**Description**

Software programmes to be loaded onto computers for use by Speech Therapists

**Technical Specification**

The software programmes should be:

**a. Boardmaker Plus! Or equivalent**

Software that is a symbol database combined with an easy to use drawing program.

Must use Picture Communication System (PCS) in multiple South African languages.

Boards can be created to be printed for AAC devices and patients or made to be audible for the use on the computer.

**b. Boardmaker with Dynamically Speaking Pro**

Software that gives a voice to individuals with significant speech and language disabilities by transforming a computer into a speech output device.

Symbol database combined with an easy to use drawing program.

Must use Picture Communication System (PCS) in multiple South African languages.

Boards can be created to be printed for AAC devices and patients or made to be audible for the use on the computer.

Must contain real speak voices.

**c. GoTalk Overlay software**

Software that contains overlay cells with multiple images and text boxes, in order for personal communication boards to be created.

Must include an editing feature.

**d. Tobii Communicator**

Software for individuals with communication disabilities at various levels.

It is also ideal for creating page sets and communication boards.

All accessories and consumables must be supplied standard with the unit

A separate price of each accessory and consumables listed above must also be supplied with this offer

Any other additional accessories, consumables and spare parts not listed above but applicable for the functionality of the unit must be supplied on a separate price list

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