



**SWAMI VIVEKANAND NATIONAL INSTITUTE OF REHABILITATION
TRAINING AND RESEARCH**

(Ministry of Social Justice & Empowerment, Govt. of India)
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**Ref-AD-5/BOQ/DOT/WS Equip/23-24
Date-14.03.2024**

GEM BOQ BID DOCUMENT

(For procurement of Work Stimulator of DOT)

GENERAL INSTRUCTIONS AND TERMS & CONDITIONS OF TENDER DOCUMENT

A. FOLLOWING DOCUMENTS TO BE UPLADED.

Sl	Name of documents
1	GST Certificate 2-Pan Card 3-Aadhar card
4	Last quarter/month GST 3B receipt.
5	IT return for 22-23/23-24
6	Bidder turnover certificate mentioning UDIN Number of CA.
7	Experience certificate in GEM.
8	MSME certificate if any MII certificate
9	Leaflet/manual of equipment's. (Mandatory)
10	Technical Bid details as per Annexure-I (mandatory).
11	Compliance Statement as per Annexure-II (mandatory).
12	Declaration as per Annexure-III (mandatory).
13	Bank Account details (mandatory).
14	Warranty certificate to be given by bidder/OEM.
15	Detail list of Institute with his authority name , address, what's up number and e-mail where you have earlier supplied this machine or this brand equipment installed.

Annexure-I (Technical bid details format).

Sl. No.	Information required	Information to be provided by the bidder
1	Name of the firm/ organization	
2	Whether the organization is proprietorship/ partnership/ Pvt. Ltd./ Ltd. Company	
3	Local/present Address,	
4	Mob. No. & What's up No. and E-mail. Id of the proprietor/firm/contact person..	

4	If the head office other than in (3) above, then give the address for the same	
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Annexure-II (FORMAT OF COMPLIANCE STATEMENT)

Name of Items	Required Specification	Whether complied to the required specification YES/NO	If yes, write name of brand/company of the equipment to be supplied
1	2	3	4
Work stimulator without CMC	Mentioned in the bid document		
Work stimulator with CMC	-Do-		

Annexure-III (DECLARATION FORMAT)

I/we having my/our office at do hereby declare that I/we have carefully read all the terms & conditions of GEM BOQ BID of the SVNIRTAR, Olatpur, Bairoi, Dist-Cuttack, Odisha-754010 I will abide by all terms and conditions set forth in the tender paper and GEM for the period of agreement.

Signature of Bidder

B. Terms & Conditions

- **As per default terms & condition of GEM.**
- Materials will be delivered and installed at SVNIRTAR during working hours and on working days only. If the consignee is changed, it will be informed by mail or clarification/ATC in the bid.
- If any items are not accepted, they may be replaced within seven days otherwise they will be rejected.
- If the price of any items or total amount of order is more than our estimate value, excess amount items may be rejected, or total bid may be cancelled.
- Work will be treated as ok if it is accepted by the indenting department.
- Installation/demonstration is the responsibility of supplier. No extra cost will be paid for it.
- Warranty certificates may be submitted along with materials.
- Supplier must attend the call for maintenance of any defect of equipment/materials within warranty period.
- Defects in equipment/materials must be replaced/repared within seven days and equipment must be ok.
- Bidders must submit leaflets and details specification of materials to be supplied.
- **MSME certificate will be accepted for exemption of EMD if bidder is the manufacturer of the bid items otherwise bidder will deposit EMD.**

Details of items to be procured.

Item No	Items name	Specification	Qty	A/U
a	Work Stimulator without CMC	As details given below.	1	No
b	Work Stimulator with CMC	As details given below.	1	No
c	Examination-cum-Wooden Table	As details given below	5	No
d	Inclined Standing Unit for Reciprocal Exercise	As details given below	2	No
e	Rope bridge	As details given below	1	No
f	Dumbbell set	As details given below	2	Set

a. Work Stimulator without CMC:

The Equipment should be the latest system for therapeutic rehabilitation. Following features are necessary-

- One equipment system for both testing and exercise to strengthen any patient or athlete.
- Should improve functional capability.
- Should be usable effectively both evaluation and treatment in a wide variety of rehabilitation setting.
- Should measure the strength of various muscle groups, and simulate activities of daily living or job tasks.
- Incorporate return to work programme scientifically. E
- Equipment must allow for the simulation of basic motions of the upper extremity used for daily activities. Graded resistance should offer a variable amount of resistance to the motion the patient performs.
- Provision for use as FCE tool commonly used to measure upper limb function.
- The system configuration and structure should have software-based controller interface, a position adjustable exercise head with resistance control, and a set of interchangeable attachments to simulate a variety of work tasks. It must record a variety of functional outcome measures (e.g. peak force, time, and cumulative power output) in either static or dynamic mode. The equipment must generate investigation reports which have notably focused on its reliability and validity.
- The evaluation must include for multi-joint musculoskeletal, orthopedic, neurological and upper and lower extremity evaluation and rehabilitation. Range of benefits includes-increase range of motion, strength, endurance, manual dexterity, fine motor skills, manipulation, grasping, handling and task-oriented training for functional independence.

Can be used for:

- **Treatment:** Used to increase:
 - ROM
 - Strength
 - Endurance
 - Task-Oriented
 - Improve general body conditioning
- **Evaluation:**
 - To identify and confirm a diagnosis or condition.
 - Of work capacity and physical capabilities.
 - For pre placement screening

- For isolated joint and muscle group assessment

➤ **Ergonomic Analysis:** Of biomechanics and tools:

- Body mechanics
- Required by work task or station

Conditions / Diagnoses:

Applicable for all ages, from pediatrics to geriatrics, with a congenital problem, traumatic injury, or onset of a condition or disease. Some of common uses must be:

A. Musculoskeletal Problems:

- Fractures
- Arthroplasties
- Tendon repairs, tendon transfers
- Rotator cuff problems
- Back injury etc.

B. Cumulative Trauma Disorders (CTD)

- Carpal Tunnel Syndrome (CTS)
- Tendinitis

C. Neurological Injuries

- Head Injury
- Spinal cord injury
- Cerebral Vascular Accident (CVA)

D. Neurological Disorders

- Cerebral Palsy
- Muscular dystrophy

E. Amputations

F. Cardio-Pulmonary conditions

G. Burns

Upper extremity conditions and areas to be assessed:

- Manual dexterity & fine motor skills(manipulation)
- Handling and grasping
- Range of motion
- Strength- static and dynamic
- Endurance
- Neuromuscular coordination
- Effects of repetition
- Work tolerance to include: Reaching, lifting, pushing, pulling ^[11]

ATTACHMENTS:

1. 302 Knurled Knob (Three-inch diameter): Flat knob grasp

To simulate: Jar lids

Small valves

Machine adjustments

Uses: Radial / ulnar wrist deviation

Rotational grip strengthening (static grip)

Fingertip and palmer desensitization

2. 303 Round Knob: Spherical grasp (rotational) knob:

To simulate: Door Knobs

Uses: Spherical grasp strengthening

Supination / Pronation
Palmer desensitization

3. 162 Grip Tool (4.2 in. /17.2 cm. lever length):

To simulate: Grip tools, pliers
Scissors/staplers
Car door handles
Pistol grip with triggers
Uses: Grip strengthening

4. 151 Pinch Tool (6.8 in. / 17.2 cm. lever length):

To simulate: Pinching small parts
Uses: Three-point pinch
Lateral pinch
Tip to tip pinch
Fingertip desensitization ^[11]

b. Work Stimulator with CMC

Specification is same as above. This is only for CMC of equipment.

CMC for equipment is required for a minimum of 5 years after warranty period. CMC amount quoted along with equipment value will be paid after satisfactory completion of CMC on a yearly basis. **All bidders must be quoted with and without CMC of equipment. L1 value of above two will be accepted and ordered.**

After installation, an agreement will be made by bidder for CMC. L1 eligible bidder of any equipment will be given order for supply and installation of equipment at SVNIRTAR, and he will also be given CMC as per quoted rate after agreement. (CMC amount is bid value with CMC minus bid value without CMC)

Payment of CMC will be made on yearly basis after satisfactorily completion and submission of manual bill duly certifying from the user wing. For CMC, a minimum of two visit of party is mandatory in each quarter and further on calling as and when required or breakage of equipment. All required spare parts & consumables will be provided by the CMC party. Authority may change or add the T&C and can cancel the CMC if required.

c. Examination-cum-Wooden Table

Top is mounted on sturdily built, solid hardwood frame and legs to bear heavy weight.

- i) Top: size 195cm x 65cm x80cm high.
- ii) Backrest: 70cm long and it can be continuously adjustable.
- iii) Pillow: One foam pillow with Velcro strap
- iv) Storage: One writing board, one drawer with small cup board.
- v) Finish with natural wood-polish finish.

d. Inclined Standing Unit for Reciprocal Exercise

- i) Upper Plank: 10cm x 100cm high with center divider with a scale to measure the progress.
- i) Lower plank: 30cm wide with 6 slots to hold upper plank for angle adjustment.
- ii) Sanding Blocks: Three set of sanding hand blocks with different grasp holds and with clip to fix sand paper.

- iii) Resistance: Resistance can be created by fixing Sand-paper to sanding blocks
- iv) Construction: teak-wood constructed and finished in natural wood polish.

e. Rope Bridge

- i) The suspension of the Bridge is 72” long x 24” wide. And fitted with sturdy metal frame with powder coated finish
- ii) The rope bridge is fitted with 14 solid wooden step planks. Planks are 4” (10cm) wide x 2” (5cm) thick
- iii) Overall Dimensions: About 102” long x 24 “wide x 78” high.

f. Dumbbell set

- i) Dumbbells: 9 Pairs, Set Consists of 2 Dumbbells of each weight :1 kg, 1.5kg, 2kg, 2.5kg, 3kg, 3.5kg, 4kg,4.5kg. Total weight of the set 54kg.
 - i. Cart: two tier, painted, tubular constructed mobile cart for organized storage of dumbbells. Cart moves on two 10cm heavy duty wheels