Website: www.niepid.nic.in

Phone No.27751741-745
Fax No. 040-27750198

NATIONAL INSTITUTE FOR THE EMPOWERMENT OF PERSONS WITH INTELLECTUAL DISABILITIES (DIVYANGJAN)

Department of Empowerment of Persons with Disabilities (Divyangjan)
(Ministry of Social Justice & Empowerment, Government of India)
Manovikas Nagar, Secunderabad-500 009
(An ISO 9001:2015 Institution)

NIEPID/Pur.10(04)/2020-21/

SUB: TENDER DOCUMENT FOR ESTABLISHMENT OF VIRTUAL REALITY ROOM - REG.

TECHNICAL BID

You are requested to submit your offer as per our specification, terms and conditions online through e-procurement under two bid system (technical and financial bid separately to be quoted as mentioned below:

S.No	Technical Specification for Virtual Reality Room unit	Specification offered
1.	**Description of product:** Establishing Virtual Reality Room unit with virtual Reality Software application, Hardware and turn key activities **Software** Include software for virtual activities for training of both upper and lower extremities. Permits use in clinical, community and home-based settings Software Application used for motor and cognitive therapy of patients with neurological and physical impairments. CE/ISO Certified as Medical/ Rehabilitation Device.- Licence Model: Perpetual On-Premises licence with online activation. Permits patient data to be stored locally in clinic. Includes periodic updates via downloads. Permits unlimited number of patients for each virtual Reality station **Hardware and System Requirements:** Compatible with the following motion capture technologies: Microsoft Kinect Sensor (or equivalent), Orbbec Astra Camera (or equivalent) etc **PC or Laptop minimum requirements:** • 1 standard internet connection (Cloud version) • 1 Kinect Xbox (or equivalent) with the corresponding USB adapter • 1 screen or monitor (with connection to the PC or laptop) • 1 PC with the following charactrestics: (a) Processor: Intel core i5 4460 for desktop or Intel Core i5 4200H for laptops or equivalent or Higher - (b) One free USB 3.0 port compatible with the Kinect Xbox One (Intel or Reneasas) or USB 2.0 for Orbbec Astra. (or equivalent or higher) (c) Graphics card: Virtualware recommends the Nvidia GeForce GT 740 for Desktops or Nvidia GeForce GT 840M for laptops. (or Equivalent or Higher) (d) 4 GB of RAM or higher (e) Windows 8 or Higher	

Virtual Reality Platform has to have minimum 3 therapy modules

1. Range of Motion(ROM) Assessments

• Based on standard therapy ROM assessments.
• Shall includes 3D environment with on screen 3D avatar (or equivalent) to provide feedback on quality of movements. Includes onscreen wrong movement and incorrect back posture messages
• Shall include the following assessment guided by a virtual assistant for standing and seated positions: Shoulder Abduction, shoulder Flexion, Shoulder Extension, Functional Reach, Shoulder Internal Rotation, Shoulder External Rotation, Elbow Flexion , Hip Abduction
• May able to measure Pain point and Maximum ROM data

2. Isolated ROM exercises

• Shall include the following ROM exercises guided by a Virtual Assistant for standing and seated positions: Shoulder Abduction, Shoulder Flexion, Shoulder Extension, Functional Reach, Shoulder Internal Rotation, Shoulder External Rotation, Elbow Flexion, Hip Abductor strengthening, Learning Forward, Sit to Stand, Knee Bends, Transferring Weight Laterally, Leg Raises.
• Shall include maximum ad average ROM results and quality of movement
• Shall include 3D environment with on screen 3D avatar (or equivalent) to provide feedback of movements. Includes onscreen wrong movement and incorrect back posture messages.

3. Exergames

• Shall include a suite of 16 customisable exergames in various 3D environments that are used to train both upper and lower extremities to increase mobility, range of motion, balance, coordination, and strength, as well as attentive and cognitive skills.-
• Exergames shall include differentiation between both side of the body, using different colour to represent each side (hands, feet).
• Exergames shall permit therapist to choose maximum length of time for each exergames, total number of targets, location, height and distance of each target(depending on exergame), as well as level of difficulty(depending on exergame)
• Exergames shall provide biofeedback on their posture and rehabilitation movements 100% Compliance
• Exergames should include functional activities including, but not limited to shoulder abduction, flexion and extension, functional reach, lateral movements/ side stepping, balance training, fall prevention training, Bimanual exercise, hip abduction and upper limb circumduction -100% Compliance

Includes Therapy Management Module with the following functions
• Set up of patient accounts with user specific identification details, patient height, weight (metric and imperial), etc. -100% Compliance
• Section for personal notes of therapist on individual's performance, difficulties, etc. -100% Compliance
• Creation of personalized activity based on user initial assessment results -100% Compliance
• Intuitive graphics customization panel for creating session for assessments, exercises and exergames 100% Compliance
• Monitoring of patient performance over time of assessments, exercises and exergames modules with graphics results interface measured for each individual session and activity -100% Compliance
• Reporting feature through exporting of patient results into .xls format -100% Compliance
• Create and administer specific Therapy Units comprised of selected

	patients and / or therapists.- 100% Compliance • Calendar function to pre-program therapy sessions - **Other:** 1. Should include turnkey activities for converting 15*15 fts room into Virtual rehab unit (including Air-conditioning, fabrications, Bean bags, wobble board art work in the room).-100% Compliance 2. The company has to have minimum experience of 3 years in the field of providing such solutions -100% Compliance 3. Must have a service partner/centre within the stage. 100% Compliance 4. Free updating of games for minimum of 5-year warranty. -100% Compliance 5. 3-day User training need to provide for at least 50 persons. -100% Compliance 6. The Down time period of the equipment may be included in the extended warranty-e. **2. Supply of Wooble Board** – Wooden with anti Slip Mat, Bean Bag – Chair Position type for Patient, fabrication –Sitting area/working area for therapist Things in customer Scope or required at site from customer: Electrical Source -2.5mm or 4mm will be required in room . We can extend the cable in room within our scope , but initial drop is required from customer end. Dedicated room/Area for setting up of lab	

Terms & Conditions

1. The price quoted should be inclusive of all taxes.
2. The bids should be submitted on or before 04.09.2020 by 1730 hrs through e-procurement and date of opening 07.09.2020 at 1500 hrs.
3. The tender is required to be submitted through e-procurement online under two bid system (Go to website www.eprocure.gov.in/eprocure, click on tenders by organization and select National Institute for the Mentally Handicapped).
4. The cost of the Earnest Money Deposit of Rs.56,000/- (Rupees Fifty Six Thousand Only) the amount may be transferred through RTGS to "NIEPID Institution, A/c No. 3631010100000025, IFSC Code – PUNB0453800, Punjab National Bank, Manovikasnagar, Secunderabad – 500 009 on or before opening of the tender. The details of UTR No.is required to be submitted online.
5. The successful bidder shall have to deposit a performance security deposit @ 7% of the total value of the order in the form of Demand Draft/Bank Guarantee which should be valid for over and above two months of completion of work/supply or the warranty period.
6. The following documents will be checked for technical scrutiny :
   a) Technical bid form duly filled as per the format in the tender document should be submitted along with tender document.
   b) Shall submit 03 similar work orders of the value of Rs 12 lakhs and above for each order from different organizations executed in the last 03 years.
   c) Shall have firm registration/Shop and Establishment Licenses certificate (Attach copies)
   d) Annual financial statement of company for last 3 years authorized by CA.
   e) Acceptance certificate of technical bid as per Annexure-1.
   f) Acceptance certificate of financial bid as per Annexure-2.
   g) Details of EMD submitted.
   h) GST/VAT/CST Certificate of the firm to be attached
   i) PAN details to be attached
   j) All the pages should be serially numbered, signed and stamped. Indicate the total no. of pages submitted.
   k) Compliance report of technical specification alongwith brand and catalogue if any.
7. All the above documents are required alongwith the technical bid.
8. The price quoted by the tenderer should be firm and inclusive octroi, freight and forwarding charges, handling charges, loading insurance charges, any other tax/charges inclusive of VAT/GST. No tenderer shall be allowed to revise its original price.
9. The material should conform to the specification given.
10. Delivery should be made at NIEPID HQ, Secunderabad
11. No advance payment will be made. However the payment will be made after 30 days on inspection of materials to our satisfaction.
12. The work should be completed within 30 days.
13. The decision of competent authority is final to accept or reject the Tender or relax the conditions of the tender.
14. IT/GST TDS will be deducted as per rules.
15. Demurrage charges will be made for delayed supply @0.5% per week.
16. MSME Registered firms are exempted from EMD.
17. If a firm quotes 0/NIL charges in e-procurement, the bid shall be treated as unresponsive and the particular item will not be considered for that firm. Since, 0 (Zero) is automatically taken as L1 by e-procurement, the Institute will take the next lowest value for consideration.
18. For any tender query, you may contact through email at niepid.purchase@gmail.com, nimh.dda@gmail.com or through telephone at 040-27751741 Extn..258 during working hours

TECHNICAL BID FORM

Sl No.	Description	Submitted Yes/No Indicate the Page No. Where the copy attached In the tender document
1.	Name of the Firm: Head Office Address : Branches Tel. No. Fax No. e-mail web site, if any	
2.	Kind of proprietorship: (i) If limited concern, name and address of Directors and Managing Directors i) If single owner, name and address of the proprietor and Manager. ii) If partnership, name and addresses of partners	
3.	Shall submit 03 similar work orders of the value of Rs 12 lakhs and above for each order from different organizations executed in the last 03 years.	
4.	Shall have firm registration/Shop and Establishment Licenses certificate (Attach copies)	
5.	Annual financial statement for last 3 years authorized by CA.	
6.	Acceptance certificate of technical bid as per Annexure-1.	
7.	Acceptance certificate of financial bid as per Annexure-2.	
8.	Details of EMD submitted.	
9.	GST/VAT/CST Certificate of the firm to be attached	
10.	PAN details to be attached	
11	All the pages should be serially numbered, signed and stamped. Indicate the total number of pages submitted.	
12	Compliance report of technical specification alongwith brand and catalogue if any	

ACCEPTANCE CERTIFICATE

FOR TECHNICAL BID

I.....(designation).....,of (Name of the Company)..... hereby accept the above mentioned Terms & Conditions for **Establishment of Virtual Reality unit**

Date:

Place: **Signature & Company Seal**

FINANCIAL BID

Financial Bid is required to be submitted in the following format in BOQ format only.

Validate Print Help

Item Wise BoQ

15

Tender Inviting Authority: < Director NIEPID >

Name of Work: < Establishmnet of Virtual Reality Room >

Contract No: < Virtual Reality Equipment >

Name of the Bidder/ Bidding Firm / Company :	

PRICE SCHEDULE

(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are all enter the Bidder Name and Values only)

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	TEXT	NUMBER #	NUMBER #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Estimated Rate in Rs. P	BASIC RATE In Figures To be entered by the Bidder in Rs. P	Excise Duty Amount in INR Rs. P	GST Amount in INR Rs. P	Freight Charges (Unloading & Stacking) in Rs. P	Any Other Taxes in Rs. P	Any Other Duties/Levies in Rs. P	TOTAL AMOUNT Without Taxes col (13) = (4) x (7) in Rs. P	TOTAL AMOUNT With Taxes col (14) = sum (8) to (13) in Rs. P
1	2	3	4	5	6	7	8	9	10	11	12	13	14

1.01	Description of product: Establishing Virtual Reality Room with virtual rehabilitation Software application, Hardware and turn key activities **Software** Include software for virtual activities for training of both upper and lower extremities. Permits use in clinical, community and home-based settings Software Application used for motor and cognitive therapy of patients with neurological and physical impairments. CE/ISO Certified as Medical/ Rehabilitation Device.- Licence Model: Perpetual On-Premises licence with online activation. Permits patient data to be stored locally in clinic. Includes periodic updates via downloads. Permits unlimited number of patients for each virtual rehabilitation station Hardware and System Requirements: Compatible with the following motion capture technologies: Microsoft Kinect Sensor (or equivalent), Orbbec Astra Camera (or equivalent) etc **PC or Laptop minimum requirements:** • 1 standard internet connection (Cloud version) • 1 Kinect Xbox (or equivalent) with the corresponding USB	item1	1.00	Nos	0.00							**0.00**	**0.00**	INR Zero Only

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Total in Figures												**0.00**	**0.00**	INR Zero Only
Quoted Rate in Words		**INR Zero Only**												

Tender Inviting Authority

Annexure-2

ACCEPTANCE CERTIFICATE

FOR FINANCIAL BID

I.....(designation).....,of (Name of the Company).....
hereby accept the above mentioned Terms & Conditions for **Establishment of Virtual Reality Room.**

Date:

Place: **Signature & Company Seal**