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TENDER NO: NHM/PROC/RBSK/DEIC/2629/2015-16/Part 1/39918

Date: 24/2/18

**CORRIGENDUM No.1**

**e-TENDER FOR RATE CONTRACT OF MISCELLANEOUS ITEMS FOR DISTRICT EARLY INTERVENTION CENTERS (DEIC)**

This has reference to the e-tender No: NHM/PROC/RBSK/DEIC/2629/2015-16/Part 1/27212 Date: 19/12/2017 for entering into rate contract for “**SUPPLY OF MISCELLANEOUS ITEMS FOR DISTRICT EARLY INTERVENTION CENTERS (DEIC)**” to health institutions in different districts of Assam. The following amendment may be taken note of prior to submission of Bids:

**1. Sub-Clause (A) of Clause 3 “ELIGIBILITY CRITERIA “ is amended to read as follows:**

Bidder shall either be a manufacturer or a authorized dealer of the Manufacturer / Importer (who is the sole importer of the manufacturer) having experience of supplying similar items (as detailed in Annexure VIII) to Health Institution. The bidder should submit all the linked documents to establish the relation.

**2. Sub-Clause (B) of Clause 3 “ELIGIBILITY CRITERIA “ is amended to read as follows:**

Average Annual Turnover of the bidder (the authorized dealer as well as the manufacturer from whom the tendered items would be sourced by the dealer or manufacturer participating as bidder) in the last three financial years i.e. 2014-15, 2015-16 and 2016-17 from sales of similar miscellaneous items (as detailed in Annexure VII) should be as below:

Sl.no	Groups	Particulars	Annual Turnover (in Rs)	Annual Turnover in Words (in Rs)
1	GROUP A	Physiotherapy/Occupational Therapy	105,000.00	Rupees One Lakh Five thousand only
2	GROUP B	Equipment/Tool for Hearing Impairment	2,640,000.00	Rupees Twenty Six Lakhs and Forty Thousand only
3	GROUP C	Equipment/Tool For Vision Impairment	210,000.00	Rupees Two Lakhs and Ten Thousand Only
4	GROUP D	Equipment/Tool for Retinopathy of prematurity	705,000.00	Rupees Seven Lakhs and Five Thousand Only
5	GROUP E	Equipment/Tool for Speech and language disorder	54,000.00	Rupees Fifty Four Thousand
6	GROUP F	Equipment for Cognition, Intellectual disability and mental disorder	300,000.00	Rupees Three Lakhs only

7	GROUP G	Equipment/Tool for ASD/Autism: Spectrum disorder	40,000.00	Rupees Forty Thousand Only
8	GROUP H	Equipment/Tool for ADHD: Attention Deficit Hyperactivity	40,000.00	Rupees Forty Thousand Only
9	GROUP I	Equipment/Tool for Learning Disability	16,000.00	Rupees Sixteen Thousand only
10	GROUP J	Equipment/Tool for LD-Dyslexia	48,000.00	Rupees Forty Eight Thousand Only
11	GROUP K	Equipment/Tool for Behavioral Learning	24,000.00	Rupees Twenty Four Thousand only
12	GROUP L	Equipment/Tool for Cerebral Palsy and Neuro-motor impairment:	40,000.00	Rupees Forty Thousand Only
13	GROUP M	Equipment/Tool for Convulsive Disorders (Epilepsy)	40,000.00	Rupees Forty Thousand Only
14	GROUP N	Medical Equipments	210,000.00	Rupees Two Lakhs and Ten Thousand only
15	GROUP O	Laboratory Equipments	3,765,000.00	Rupees Thirty Seven Lakhs and Sixty Five Thousand only
16	GROUP P	Sensory Integration Equipments	1,060,000.00	Rupees Ten Lakhs and Sixty Thousand only.
17	GROUP Q	Other items	70,000.00	Rupees Seventy Thousand only

In case the bidder quotes for more than one group as indicated above, the average Annual Turnover of the bidder in the last three financial years 2014-15, 2015-16 and 2016-17 shall not be less than the highest amount of Annual turnover (as fixed above) among the quoted groups.

**3. Sub-Clause (D) of Clause 3 “ELIGIBILITY CRITERIA “ is amended to read as follows:**

Bidder shall have experience in executing similar contracts in the last 5 (five) financial years 2012-13,2013-14,2014-15,2015-16,2016-17. The total value of the orders/agreements awarded by any Govt. Organisation /Undertaking during the last five financial years must not be less the amount set as below. The turnover from such orders/agreements shall be given through a certificate from the Chartered Accountant as given in Annexure IV.

Sl.no	Groups	Particulars	Total Value of orders in the last five FYs (in Rs)	Total Value of orders in the last five FYs in Words (in Rs)
1	GROUP A	Physiotherapy/Occupational Therapy	70,000.00	Rupees Seventy Thousand only

2	GROUP B	Equipment/Tool for Hearing Impairment	1,760,000.00	Rupees Seventeen Lakhs and Sixty Thousand only
3	GROUP C	Equipment/Tool For Vision Impairment	140,000.00	Rupees One Lakh Forty Thousand only
4	GROUP D	Equipment/Tool for Retinopathy of prematurity	470,000.00	Rupees Four Lakhs Seventy Thousand only
5	GROUP E	Equipment/Tool for Speech and language disorder	36,000.00	Rupees Thirty Six Thousand only
6	GROUP F	Equipment for Cognition, Intellectual disability and mental disorder	200,000.00	Rupees Two Lakhs only.
7	GROUP G	Equipment/Tool for ASD/Autism: Autism Spectrum disorder	27,000.00	Rupees Twenty Seven Thousand only.
8	GROUP H	Equipment/Tool for ADHD: Attention Deficit Hyperactivity	27,000.00	Rupees Twenty Seven Thousand only..
9	GROUP I	Equipment/Tool for Learning Disability	11,000.00	Rupees Eleven Thousand only.
10	GROUP J	Equipment/Tool for LD-Dyslexia	32,000.00	Rupees Thirty Two Thousand only.
11	GROUP K	Equipment/Tool for Behavioral Learning	16,000.00	Rupees Sixteen Thousand only
12	GROUP L	Equipment/Tool for Cerebral Palsy and Neuro-motor impairment:	27,000.00	Rupees Twenty Seven Thousand only.
13	GROUP M	Equipment/Tool for Convulsive Disorders (Epilepsy)	27,000.00	Rupees Twenty Seven Thousand only.
14	GROUP N	Medical Equipments	140,000.00	Rupees One Lakh Forty Thousand only
15	GROUP O	Laboratory Equipments	2,510,000.00	Rupees Twenty Five Lakhs and Ten Thousand only
16	GROUP P	Sensory Integration Equipments	708,000.00	Rupees Seven Lakhs and Eight Thousand only
17	GROUP Q	Other items	46,000.00	Rupees Forty Six Thousand only

**4. ANNEXURE-IV Performance Statement (of the Bidder) is amended to read as follows:**

**ANNEXURE- IV (Rev-1)**

**Performance Statement (of the Bidder)**

I/We hereby certify that the turnover of the bidder M/s.....  
from executing similar contracts with Govt. Organisation /Govt. Undertaking from the FY 2012-13,2013-14,2014-15,2015-16,2016-17 from the sales of similar tendered products:

Sl.	Name and full address of the purchaser	Financial Year (FY)	Turnover Value (in Rs)
	1	2	3
1.			
2.			
3.			
4.			
5.			
6.			

**(Please use additional sheets if required)**

SIGNATURE :  
NAME & DESIGNATION :  
DATE :  
NAME & ADDRESS OF THE FIRM :

Signature of Auditor / Chartered  
Accountant

(Name in Capital Letters)

5. **ANNEXURE-XI (Technical Specification cum Compliance Statement) for Group B & Group O is amended to read as follows:**

**Annexure – XI**

**Technical Specification cum Compliance Statement:**

**Group B : Equipment/Tool for Hearing Impairment**

Si No	Name of Equipment	Qty	Tender Specification	Specificati on quoted by Bidder	Deviation(If any)
1	Audiometer(4-18)yrs	27	<ul style="list-style-type: none"> <li>The Audiometer test frequencies from 125 to 8000 Hz with noise free change over between frequencies.</li> <li>The machine should be used for pure tone, speech and free <b>field audiometric testing</b></li> <li>LCD display of test frequencies and intensity of test tone.</li> </ul>		

			<ul style="list-style-type: none"> <li>• <i>Displays hearing loss levels in decibels from -10 to 120 dB with steps of 5 db.</i></li> <li>• <i>The system should be used for TONE Audiometry / Speech Audiometry and Behavioral responses (with free field facility)</i></li> <li>• <i>The machine should have <b>all necessary air, bone and masking features like</b> Air conduction (HL, UCL,Aided)</i></li> <li>• <i>Bone conduction</i></li> <li>• <i>The machine should have all necessary Speech audiometry features like Live Voice CD/MP3 • SRT • Word Recognition • UCL</i></li> <li>• <i>Facilities for special investigations- SISI, Tone-decay, ABLB, Speech audiometry with VRA from Visual Reinforcement Audiometer , SISI scoring along with SDcard/ Pendrive/ CD/ tape connector facility.</i></li> <li>• <i>Facilities for tinnitus matching and aided audiograms using pulse tone facility, matching and masking and audiogram facility</i></li> <li>• <i>Separate Bone conductor with Head band (BC testing up to 80 Db for atleast 4 frequencies)</i></li> <li>• <i>Should have Automatic Speech Scoring/SISI Scoring.</i></li> <li>• <i>2 Channel Master Hearing Aid</i></li> <li>• <i>Comfortable soft adjustable ear phones with head band.</i></li> <li>• <i>Patient response button.</i></li> <li>• <i>Microphone and speaker for two-way communication.</i></li> </ul> <p><b>Standard Accessories to be supplied with the machine:</b></p> <ul style="list-style-type: none"> <li>• <i>Standard Headphone (TDH 39 or</i></li> </ul>		
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			<p>equivalent)</p> <ul style="list-style-type: none"> <li>• <i>Bone Conductor Vibrator (B-71 Radio ear) Monitor</i></li> </ul> <p><u>Phone/Headset</u></p> <ul style="list-style-type: none"> <li>• Patient response switch</li> <li>• 2 GB SD-Memory Card</li> <li>• microphone</li> <li>• Audiogram forms</li> <li>• Loudspeaker</li> <li>• Monitor phone</li> <li>• Monitor headset</li> <li>• Carrying case</li> </ul> <p><b>Power supply:</b></p> <ul style="list-style-type: none"> <li>• Should work on 220-240V AC as well as rechargeable batteries.</li> <li>• Mains adaptor to be supplied</li> </ul> <p><b>TUNIC FORK (SET)</b></p> <ul style="list-style-type: none"> <li>• Should be made up of stainless steel with desired frequency.</li> <li>• Frequency should be marked on the instrument.</li> <li>• <i>Should supply 3 tuning forks of different frequencies like 128 Hz, 256 Hz, 512 Hz and 1024 Hz.(If possible 2048 Hz frequency be also provided)</i></li> <li>• CE/ISO 13485:2003 Certified</li> <li>• Warranty for 2 Years</li> </ul>		
2	<b>OTO ACOUSTIC EMISSION SCREENER( OAE)</b>	27	<ul style="list-style-type: none"> <li>• Should be hand held and Portable for screening</li> <li>• Transient Evoked Otoacoustic</li> <li>• Emissions (TEOAE) should be up to 3.5 KHz and Distortion Product Otoacoustic Emissions (DPOAE) up to 4KHz.</li> <li>• Probe tips shall be assorted type.</li> <li>• Stimulus Intensity Range:</li> <li>• DPOAE: 40 dB SPL to 70 dB SPL</li> <li>• TEOAE: 83 dB SPL peak equivalent (<math>\pm 3</math> dB</li> </ul>		

			<ul style="list-style-type: none"> <li>• Should be fully automated And require no interpretation.</li> <li>• Should have 3 DP &amp; 2TE Protocols with user customize protocols.</li> <li>• Should have Printer facility wired/wireless type.</li> <li>• Should have LCD display.</li> <li>• Facility to enter patient information</li> <li>• Should have power on self test and probe calibration functions</li> <li>• Calibration cavities should be provided with the instruments for onsite calibration.</li> <li>• Probe tip of a minimum size of 3mm for Pre-matures/ Neonates</li> <li>• Should have facility for Data Transfer to P.C</li> <li>• Should be high noise immunity for operation.</li> <li>• Should have Data Management Software</li> <li>• Should have memory to store minimum 100 screening results.</li> <li>• Battery shall be rechargeable type and supplied with a suitable charger having at least 100 test back up.</li> <li>• Should supply thermal paper rolls (10 nos.) and suitable carry case along with the unit.</li> <li>• Supply the OAE probes for</li> <li>• Neon-ate to Adult application.</li> <li>• Pre mature neonate tips:150</li> <li>• Infant probe tip: 75</li> <li>• Child /adult probe tip: 25</li> </ul> <p><b>Power Supply:</b> Unit should function with 200-240V AC, 50/60 Hz input power supply.</p>		
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			<ul style="list-style-type: none"> <li>• CE /ISO 13485:2003 Certified.</li> <li>• <b>Warranty for 2 Years</b></li> </ul>		
3	<b>Auditory Brainstem Response Audiometry ABR screener(0-6years)</b>	27	<ul style="list-style-type: none"> <li>• Power supply of 220 V AC, 50Hz along with rechargeable inbuilt battery</li> </ul> <p>Operated</p> <ul style="list-style-type: none"> <li>• Chargeable through direct power and or USB.</li> <li>• Should work on AC &amp; DC</li> <li>• Light weight and portable</li> <li>• Test battery of both screening and diagnostic mode with customized test protocol</li> <li>• Facility to carry out both AC and DC testing</li> <li>• Automatic testing and pass refer criteria in screening mode</li> <li>• Automatic and manual electrode Impedance level indicator</li> <li>• Facility for user login with pass-word protection Instruction/user manual &amp; Service manual</li> <li>• Waveform view of both right and left in same page with easy printing in different color code</li> <li>• Gold cup electrodes with different colors (20 electrodes)</li> <li>• Nuprep preparation gel 4 Oz (114 grams) –02 Nos. (Box type)</li> <li>• Ten 20 conduction gel 4 Oz (114 grams) –02 Nos. (Box type)</li> <li>• TM perforated adhesive tapes –05 Nos.</li> <li>• Ear tips for infants, Children and adults with ear tip adaptors (02 boxes)</li> <li>• Cleaning kit</li> <li>• Calibration kit</li> </ul>		

			<ul style="list-style-type: none"> <li>• Facility to upgrade the software to higher version with expanding additional modules</li> <li>• CE /ISO 13485:2003 Certified.</li> <li>• Warranty for 2 Years</li> </ul>		
4	Portable Tympanometry Instrument(2-18yrs)	27	<ul style="list-style-type: none"> <li>• Audiometer impedance with contra ear testing facilities</li> <li>• Multi-frequency</li> <li>• ProbeFrequency- 226Hz,678Hz,800Hz,1000Hz</li> <li>• Pressure Range +200—to 400dapa</li> <li>• Volume Range -.1 ml to 6.0ml</li> <li>• Accuracy <math>\pm 5\%</math> to <math>\pm 10\text{dapa}</math></li> <li>• Test Time-&lt;3Seconds</li> <li>• Reflex Mode</li> <li>• Test Frequencies- 500,1000,2000,4000Hz<math>\pm 2\%</math></li> <li>• Test Method-IPSI Lateral,Contralateral</li> <li>• Noise(Band)-WN/HP/LP</li> <li>• Intensities IPSI Lateral-70 to 110dbHZ</li> <li>• Intensities Contra Lateral-70 to 120dbHz(With TDH39)</li> <li>• Intensity Setting-Automatic or Manual</li> <li>• Eustachian Tube Function- Intact and Perforated mode</li> <li>• ETF Pressure Range-+300 to - 400dapa</li> <li>• Test-IPSI Lateral Reflex Test with AGC,Reflex Delay</li> <li>• Test Programme-Reflex Test selectable</li> <li>• Memory-Test Result of both ears</li> <li>• Probe-Light weight,adjustable ,Hand Held,with built in Control Light &amp; switch</li> <li>• Printer-Silent Thermal Printer(with paper printer Facility)</li> </ul>		

			<ul style="list-style-type: none"> <li>• Display-Graphic LCD with adjustable contrast</li> <li>• PowerSupply-Mains100-240Volts,50/60Hz 25VA</li> <li>• PC Interface-USB Cable</li> <li>• Automatic Self Calibration</li> <li>• CE /ISO 13485:2003 Certified.</li> </ul> <p><b>Warranty for 2 Years</b></p>		
5	BERA with ASSR with both insert phone and head phone(0-6yrs)	27	<ul style="list-style-type: none"> <li>• 2 channels.</li> <li>• Windows Based.</li> <li>• Bone Conduction.</li> <li>• Integrated database.</li> <li>• Pre-programmed auto tests.</li> <li>• Waveform reproducibility indication.</li> <li>• Split Left/Right recordings.</li> <li>• Simultaneous recording of condensation rarefaction stimuli.</li> <li>• Normative Data indication.</li> <li>• Soft attenuator.</li> <li>• Wave editing during testing.</li> <li>• Digital Filter application (during &amp; after Test).</li> <li>• Ear Plunes: Insert type and Intraaural type</li> <li>• Add, Subtract Curves.</li> <li>• Low noise amplifier.</li> <li>• Upgraded with ASSR</li> <li>• Medical CE Mark.</li> <li>• Easy Portability.</li> <li>• Ecochg recordings with markers</li> <li>• Middle Latency.</li> <li>• Late Latency(P300,MMN etc)</li> <li>• Cochlear implant Stimulator Control)</li> <li>• ASSR:</li> <li>• Pre Amplifier.</li> <li>• 2 channels.</li> <li>• Gain 80dB</li> <li>• Frequency Response upto 8000Hz</li> <li>• Noise 6.0nV Hz</li> <li>• CMR ratio&gt;115 dB at any frequency between0.1Hz &amp;</li> </ul>		

			10Hz. <ul style="list-style-type: none"> <li>• Input Impedance&gt;10M</li> <li>• Accepted Electrode</li> <li>• CE /ISO 13485:2003 Certified.</li> <li>• Warranty for 2 years</li> </ul>		
6	Otoscope (0-18years)	27	<ul style="list-style-type: none"> <li>• Should be a convenient pocket type otoscope.</li> <li>• Should be provided with a halogen light source.</li> <li>• Should be able to detach the otoscope head.</li> <li>• Should provide no reflections and obstructions.</li> <li>• Should provide detachable accessories of various sizes.</li> <li>• Should have in built rechargeable battery. Recharge</li> <li>• Should have standard magnification.</li> <li>• should be possible with direct mains supply</li> <li>• Should have valid ISO-9001:2008 Certifications</li> <li>• CE /ISO 13485:2003 Certified.</li> <li>• Warranty for 2 years</li> </ul>		

Note: On technically being qualified, the successful bidders shall have to demonstrate a specimen of the quoted Hearing Aid to the Tender Inviting Authority.

**GROUP-O: Laboratory Items**

Si No	Name of Equipment/Tool	Qty	Tender Specification	Specificati on quoted by bidder	Deviation(If any)
1	Automated Blood cell Counter	6	<b>Purpose:</b> The instrument measures the type of blood cell by analyzing data about the size and aspects of light as they pass through the cells (called front and side scatter). <b><u>TECHNICAL CHARACTERISTICS-</u></b> 1) Should have in-built thermal printer with software compatibility for external computer/LAN and printer.		

		<p>2)Should have extended linearity(preferably upto 25g/dl for HGB, 1 lac/Cubic mm for RBC and 10 Lac/Cubic mm for platelets.</p> <p>3)Number of reportable parameters: a minimum of 18 parameters</p> <p>4)Essential reportable parameters in whole blood: Hemoglobin (HGB);Hematocrit(HCT);RBC,MCV, MCH,MCHC,RDW-SD,RDW-CV; WBC #, Granulocytes (Neutrophils)#, Granulocytes (Neutrophils)% of WBC; Lymphocyte % of WBC;Mixed (Eosinophils, Monocytes, Basophils and others) #; Mixed (Eosinophils, Monocytes Basophils and others) %; Platelets(PLT); MPV;PDW</p> <p><b>User's interface</b></p> <p>Manual with a provision for keyboard attachment</p> <p><b>Software and/or standard of communication(where ever required)</b></p> <p>Applicable software to be supplied</p> <p><b>Heat dissipation</b></p> <p>Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanis</p> <p><b>Power Requirements</b></p> <p>Recharging UPS unit: Input voltage- 220VAC ± 10%, 50 Hz</p> <p><b>ACCESSORIES, SPARE PARTS,CONSUMABLES</b></p> <p>1)Quality controls facility with the availability of controls with each set</p>	
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		<p>of reagents;</p> <p>2)Alerts for operator for level of reagents and to empty waste when indicated;</p> <p>3)Reagent expiry time should be minimum of 1 year;</p> <p>4)One set of all reagent and controls at the time of delivery;</p> <p>5)Two sets of all tubings;</p> <p>6)Staged supply of controls over 1 year from the date of installation;</p> <p>7)Cost of reagents, control &amp; calibration for price to be declared involve cost/cycle for 3 years;</p> <p><b>Certification :</b></p> <p>1)Instrument should be CE (EU) marked or USFDA approved;</p> <p>2)Should have IEC 61010-1, IEC 61010-2-101:2002;</p> <p><b>Warranty : 3 Years</b></p>		
2	<b>Microscope</b>	<p><b>Clinical purpose-</b> Microscopic analysis of blood cells helps diagnose infections and allergies, leukemias, anemias, and other blood disorders. Microscopic examinations can detect abnormal changes in cells or tissues to differentiate benign, inflammatory, precancerous, or malignant conditions.</p> <p><b>Technical characteristics</b></p> <p>1)Binocular microscope, Eye piece lenses x10,x15</p> <p>2)Objectives x4,x10,x40,x100</p> <p>3)Operated with transmitted light from bulb</p> <p>4)Including condenser Include two extra bulbs, graticule to be fixed on eyepiece</p> <p>5)Stage micrometer 230V 50-60 Hz</p> <p><b>Dimensions(metric)</b></p> <p>[380-450] x [203-820] x [305-380]</p> <p><b>Power Requirements</b></p>		

			<p>Recharging unit: Input voltage- 220VAC ± 10%, 50 Hz</p> <p><b>Certificates</b>  Manufacturer should have ISO 13485 certificate for quality standard.</p> <p><b>Warranty : 3 Years</b></p>		
4	Digital Hemoglobinometer (with cuvic and lancet)		<p><b>Purpose-</b> A hemoglobinometer is an instrument used to determine the hemoglobin content of the blood by spectrophotometric measurement. Portable hemoglobinometers provide easy and convenient measurement, which is particularly useful in areas where no clinical laboratories are available. It is also useful in emergencies due to its ease-of-use, accuracy, and fast delivery of results.</p> <p><b>Technical characteristics-</b></p> <p>1)Should have testing time of not more than 5 seconds  2)Sample volume should not be more than 20µL  3)Range of measurement should be between 0 to 25g/dl  4)Output: On-board screen display screen, printer(optional)  5)Should be able to withstand outdoor environmental conditions  Weight (lbs, kg)- Max: 250 g (excluding battery)</p> <p><b>Heat dissipation-</b> Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism</p> <p><b>Power Requirements-</b> Recharging unit: Input voltage- 220VAC ± 10%, 50 Hz</p> <p>Internal batteries(should be easily</p>		

		<p>available in market)</p> <p><b>Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)</b></p> <p>1) Cuvette supply should be accompanied by equal supply of Disposable Lancets and swab in equal numbers and not to exceed Rs.30/unit</p> <p>2)1x10 cells</p> <p>3)1x50 cuvettes extra for calibration/checking purposes</p> <p><b>Atmosphere / Ambiance (air conditioning, humidity, dust ...)-</b></p> <p>1)Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.</p> <p>2)Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%.</p> <p><b>Certificate-</b></p> <p>1)Should have IEC 61010-1 certificate;</p> <p>2)Instrument should be CE (EU) marked or USFDA approved;</p> <p>Manufacturer should have ISO 13485 certificate for quality standard.</p>		
5	<b>Hemoglobin HPLC system</b>	<p><b>Clinical purpose-</b></p> <p>Fully automated instrument for estimation of Hemoglobin fractions, HbA, HbF, HbA2, and Hemoglobin variants HbE, HbD and HbS required for diagnosis of Beta Thalassemia and common hemoglobinopathies.</p> <p><b>Technical characteristics-</b></p>		

			<ul style="list-style-type: none"><li>• Should work on the principle of High Pressure Liquid Chromatography, the gold reference standard the reference technology for estimation of hemoglobin fractions</li><li>• Sampling:</li><li>• System should be able to use primary samples collected in standard anticoagulants</li><li>• (EDTA).No sample preparation should be required.</li><li>• Minimum of 10 samples should be able to load at a time.</li><li>• Throughput: Time of analysis per sample: not more than 8 minutes for thalassemia and not more than 5 minutes for HbA1c for diabetes.</li><li>• Results should be displayed on screen and also there should be printout facility with integral printer able to printout the chromatogram also.</li><li>• There should be a memory facility for storage of results of a minimum of upto a 100results.</li><li>• Two point calibration and calibrator should be traceable to IFCC.</li><li>• Hemoglobin variants ( HbS, HbD, HbC) should be eluted in separate variant window with no carry-over.</li> <li>• Priming while change in reagents should be automated to avoid technical error.</li><li>• Air purge should be automated to avoid any technical error.</li></ul>		
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		<ul style="list-style-type: none"> <li>• Decontamination should be automated to avoid carry over.</li> <li>• Should have separate calibration port for intra assay results monitoring and availability of STAT port.</li> <li>• Assay time for Thalassemia &amp; variants screening should be as less possible - 6 minutes.</li> <li>• Assay time for Stable HbA1c detection should be as less possible - Less than 2 minutes.</li>   <li>• True physical separation of Stable HbA1c with labile HbA1c.</li>   <li>• CV % for HbA1c - As less as possible - less than 2%.</li>   <li>• Column type - Non-porous is ideal for better CV %.</li>   <li>• System should have dedicated reporting software for data processing, unlimited chromatogram storage, easy result review and QC- Levey Jennings monitoring.</li>   <li>• System should not mandate need mixing or primary tube inversion before sampling</li> </ul> <p><b>Software and/or standard of communication (where ever required)-</b> Should have port and compatibility for connection to external computer and printer</p> <p><b>Heat dissipation-</b> Heat Dissipation: Should maintain nominal Temp and the heat should be disbursed through an cooling mechanism</p>		
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			<p><b>Power Requirements-</b> Recharging unit: Input voltage-220V-240VAC +/-10%, 50Hz</p> <p><b>Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)-</b></p> <ol style="list-style-type: none"> <li>1) 1x thermal paper roll External computer with printer compatible with the testing system Certificates</li> <li>2) Instrument should be CE (EU) marked or USFDA approved;</li> <li>3) Should have IEC 61010-1/ IEC 61010-2-101:2002.</li> <li>4) Manufacturer should have ISO 13485 certificate for quality standard</li> </ol> <p><b>Warranty-2 Years</b></p>		
6	<b>ELISA Reader and Washer</b>		<p><b>Clinical purpose-</b> Used as a diagnostic tool in medicine and plant pathology, as well as a quality-control check in various industries.</p> <p><b>Technical characteristics-</b></p> <ol style="list-style-type: none"> <li>1) Optical System: Digital light control, 8/12 measurement channels including absorbable range 0-3.0 abs 1 reference: Single and dual wavelength measurement with facility for kinetic measurement. 8s minimum measurement time;</li> <li>2)Measurement: Range for wavelength should be 400 to 700 nm;</li> <li>3)Accuracy:(0.000-1.000 abs)± 0.005 abs</li> <li>4)Resolution:0.001 abs</li> <li>5)Grating/In built(Tunable) Filters with narrow band interference. Essential 405,450,492 and 630 nm</li> <li>6)Plate shaking mode for sample mixing(selectable speed and time)</li> <li>7)Flexible blank mode setting</li> </ol>		

		<p>8) Matrix Modes: Matrix - /x/t,Matrix-0/0,Matrix-/f/(Floating cut-off )</p> <p>9)Difference Mode: Absorbance of each well in even numbered subtracted from those of odd-numbered columns.</p> <p>10)Curved fit Modes: LIN/LIN;LOG(4 parameter fit curve);LOG/LOG or auto curve transformation with the ability to add the standard curve;8-12 way string orientation or kinetic modes</p> <p>11)Table of optical densities, DeltaDD, Graphic, Reaction rate/V-Max</p> <p>12)Adjustable for different micro plate geometrics</p> <p>13)Halogen lamp 20-40 W with pre-failure warning</p> <p>14)16 digit alphanumeric fluorescent display membrane keyboard</p> <p>15)3-8 standards in single or duplicate wells</p> <p>16)Operating cycle should be programable</p> <p>Software and/or standard of communication(where ever required)-</p> <p>Storage of immediately preceding measurement</p> <p>At least 15 programmable tests permanently stored</p> <p>Time programmable between each measurement</p> <p>Agitation programmable before each reading</p> <p>Bidirectional printer interface</p> <p>Noise (in dBA)- &lt;60db</p> <p>Power Requirements</p> <p>-220VAC ± 10%, 50 Hz AC Single phase</p> <p>UPS for 30 min backup for</p>	
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		<p> maintenance free battery  Accessories (mandatory, standard, optional); Spare parts (main ones); Consumables / reagents (open, closed system)- ELISA Reader with built-in printer and digital interface  1)Halogen/xenon lamps x 2  2)Thermal paper printer x10  3)Dust Cover  4)Set of pipettes consisting of single channel variable volume color pipettes: [0.5-10µl, 2-20µl, 20-200µl] x 2 each: 8 channel variable volume pipettes,5-50µl and 50-300µl  5)Pipettes should offer easy in-lab calibration.quick tip ejection,and click volume setting and high accuracy precision  ELISA Plate Washer(Automatic)  1)Auto strip washer for all 96 well plates 1x8 strips/1x12 strips  2)Dispensable volumes 25-300µl. Soaking time 1-250 sec  3)Aerosol shield for user safety  4)1 x 8 and 1 x 12 channel manifold  5)All tubing sets, wash/rinse waste bottles  6)Maintenance kit, vacuum filter </p> <p> <b>Atmosphere / Ambiance (air conditioning, humidity, dust ...)-</b>  1)Operating condition: Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% in ideal circumstances.  2)Storage condition: Capable of being stored continuously in ambient temperature of 0 to 50 deg C and relative humidity of 15 to 90%. </p> <p> <b>Certificates-</b>1)Should have IEC 61010-1 certificate;  2)Instrument should be CE (EU) marked or USFDA approved; </p> <p> Manufacturer should have ISO </p>		
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			13485 certificate for quality standard. <b>Warranty-3 Years</b>		
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Technical Specifications of all other Groups shall remain unchanged. The tendered technical specifications are the minimum requirement. Items with better specification will also be accepted. The item at sl. no.3, "Semi Automated analyzer" under Group O is deleted from the scope of bidding and hence may be ignored.

All other terms and conditions of the tender referred to above shall remain unchanged. The end date of bid submission is extended to **06/03/2018 up to 2:00 PM.**

**Sd/-**  
**Mission Director, NHM, Assam**