



## Terms of Reference (ToR)

### FOR SUPPLYING MEDICAL FURNITURE AND EQUIPMENTS

Project Title	Community Development Project
Type of service	Supply of medical equipment and furniture
Type of Project	Health
Location	Simkot Rural Municipality-5, Humla
Name of the company/firm	External company/firm/supplier
Deadline of EOI/Tender Submission	10 July, 2020

#### 1. General Background

**Snowland Intregrated Development Center (SIDC)** is working as a leading non-profit non-governmental, autonomous, social development organization having the work based in Humla since 1992. SIDC has been established by the local educated and the qualified residents with strong willingness and commitment having objective of improving the livelihood status of rural community of Humla, Karnali Province through different program like- Income generation, cooperative, Health & WASH and others.

In partnership with Good Neighbors International (GNI), Snowland Integrated Development Center (SIDC) is implementing the Health and WASH and Livelihood program under Community Development Project (CDP). Through this project various kinds of activities are being executing in close coordination and collaboration with rural Municipalities (RM).

#### Project Description and Rationale

SIDC is implementing GNI Nepal funded Community Development Project in Humla District since September 2016 with an objective of improving the health status with behaviour change and psychosocial well-being of sponsored children, community members covering four RM.

The main theme of Health aims:

- a. To improve Maternal and Child Health (MCH) status in target communities
- b. To improve services of Adolescent Sexual and Reproductive Health (ASRH)
- c. To improve Health Facility services through provision of equipment support.

One of the main objectives of CDP program is to establish functional health facilities equipped with necessary medical equipment and furniture. SIDC Nepal facilitates to make provision of all the necessary medical equipment and furniture to those Health facilities in close coordination and collaboration with respective rural municipalities (RM).

## **2. Support of medical equipment and furniture**

Most of the health facilities in Humla district are not well equipped. Thus, quality health care services from local health facilities are compromised. CDP has been working to re-vitalize basic health care services through strengthening the capability of local health facilities. Nepal government has plans to provide basic maternity services including delivery services by establishing birthing centres at health posts. Therefore, this Project is ensuring provision of medicine, medical equipment and furniture as per the government standard.

## **3. Scope of the work**

Equipment and furniture will be placed in health facilities to enable them for providing basic health care service. The list of furniture and equipment is mentioned in **Annex I**.

## **4. Number and specification of supply items**

The number and specification of the required commodity is mentioned in **Annex I**. Besides this, the supplier can propose higher quality commodities but costing comparatively low prices.

## **5. Expected Deliverables**

Followings deliverables are the expected from the supplier;

- Supply of ISO/CE/USFDA standard high-quality commodities as provisioned by Nepal Government/Logistic Management Division.
- Making physical verification and approval of each and every equipment/ furniture by a person assigned by SIDC/GNI before dispatching of commodities.
- Transportation of commodities in good condition to targeted health posts in Humla District **(List of the items is attached in Annex)**.
- Proper installation of equipment and furniture in HPs
- Provide orientation on operating/handling procedure and safety measures to a team of health posts.
- Providing after sales service in case of any problem in supplied furniture and equipment in terms of maintenance and or replacement for one year of delivery.
- Providing spare parts as per requirement of supplied equipment and furniture.

## **6. Duration**

The contract shall start from the date of signing the agreement. The work schedule (timeline) will be decided between two parties before signing the agreement.

## **7. Budget and Payment procedure**

The supplier/firm should submit a complete budget with detailed breakdown including applicable taxes at the time of submission of EoI. The budget covers the price of the commodity, transportation cost, cost of installation of equipment/furniture and orientation to HP staffs and any other applicable costs.

The supplier/firm shall bear all the tariffs, duties and applicable taxes or charges levied at any stage during the execution of the work. Any loss and/or damage of supplied commodity during packaging, transportation, and installation will be the responsibility of supplier/firm, no compensation will be provided by SIDC/GNI Nepal regarding this loss/damage.

SIDC/GNI Nepal will release 25% of total amount of purchase order as an advance during each purchase order. The final payment of each purchase order will be made after satisfactory completion of the task.

## **8. Acceptance of Proposal**

All rights to accept or reject the proposal without giving any notice and reason shall be reserved with SIDC/GNI Nepal. If deemed necessary, the firm/supplier shall be asked for modification and presentation of the proposal before approval.

## **9. Management of the supply**

The selected consultant/firm will be responsible to supply the commodity and be accountable for the timely delivery of the expected quality and quantity of commodities.

## **10. Responsibilities**

The supplier/firm will be responsible to accomplish the task outlined by this ToR and ensure the delivery of commodities stated above within the agreed budget and timeline.

## **11. Responsibilities of SIDC/GNI Nepal**

SIDC/GNI Nepal guided by its policies and practices, will assist the supplier/firm to achieve the objective of this ToR.

## **12. Termination of the contract**

SIDC/GNI Nepal will terminate the contract if the supplier/firm commits a breach in the performance or observance of its obligation under this ToR. The supplier/firm shall be notified in writing a week prior to the termination of the agreement.

## **13. Confidentiality**

During the performance of the assignment or any time after expiry or termination of the agreement, the supplier/firm shall not disclose to any person or otherwise make use of any confidential information which the consultant/firm has obtained or may obtain in the course of the work relating to SIDC/GNI Nepal, the respondents or otherwise.

## **14. Documents to be submitted**

The application shall contain following documents:

- A. Detailed financial proposal: The proposal should include the price of commodities (including tax), transportation cost, installation cost, and any other applicable costs. Prices of commodities can be quoted for different qualities/standard of the same item mentioning specifications of each quality. A complete list of proposed commodities with their clear photographs (colored) should be included with the financial proposal.
- B. Details of the supplier/firm
  - a) Profile of firm with relevant experiences
  - b) Copy of company/firm registration
  - c) A copy of Tax clearance certificate
  - d) VAT registration
  - e) Audit report
  - f) Quality certificates i.e. ISO/CE/USFDA certificate
  - g) Authorization letter from manufacturer or distributor
  - h) Pictorial manual or description of every equipment and furniture
  - i) Any other relevant documents

The EOI should reach the address below via email, courier or hand delivery by the 10 July, 2020 (In Office Time). Please, enclose the proposal in an envelope, do seal and mark it with "All the envelopes should bear the Name and Address of the Bidder and marking for the Original Copy. The envelopes should be super scribed with "TOR for Supplying Medical Furniture and Equipment"and send to:

### **Snowland Integrated Development Center**

Simikot Rural Municipality-5, Humla

Email: sidc.humla@gmail.com

Or

[4]

**Good Neighbors International Nepal**

Ekantakuna-13, Lalitpur

GPO Box 8975, EPC 1605

Kathmandu, Nepal

**Annex 1:****१. स्वास्थ्य चौकीको लागि चाहिने उपकरण तथा फर्निचरहरू ( Set of Furniture and Equipment for Health Post)**

क्र.सं.	नाम	विवरण	ईकाई	परिमाण	प्रति इकाई मूल्य अंकमा	प्रति इकाई मूल्य अक्षरमा	भ्याट (VAT)	जम्मा प्रति इकाई मूल्य
1	Broom	Normal	Pc	1				
2	Screen net 15 mtr for window	Cotton cloths ready to use	Pc	1				
3	Office table	2x4x2.5 wooden with drawer	Pc	1				
4	Office chair	Wooden	Pc	1				
5	Medicine rack	6'x3'x1' wooden with three side close	Pc	1				
6	Waiting bench	5' length box style bench with cushion	Pc	1				
7	Notice board	2x3 size	Pc	1				
8	Stretcher	Open size: approximately 207cm L x 55cm W x 15cm H. Folded size: approximately 207cm L x 8cm W x 15cm H. Poles: Two lightweight carrying poles made of non-ferrous metal like heavy duty Aluminium Alloy. These to be hollow tube poles with proper non-slip shaped handgrips. Stretcher material: Preferably in nylon or similar synthetic material but heavy duty canvas is acceptable.	Pc	1				

		<p>The material shall be turnover edged and then double stitched in nylon thread on all edges.</p> <p>Pole 'tunnels' are to be double stitched in nylon thread and reinforced with non-ferrous metal (brass) rivets/ eyelets</p>						
9	BP set (Aneorid)	<p>Packed in easy carrying high quality pouch made of waterproof, cloth to accommodate cuff, and inflation bulb Gauge to be calibrated in 2 mm Hg units. Must provide blood pressure cuffs for adult size (regular) and infant size. Must come with stethoscope with the pouch. Must submit ISO 13485:2003/ AC:2007 for Medical Devices</p>	Set	1				
10	Examination table	<p>The Bed shall be made of a solid steel sheet and plate construction with anti-corrosive and antirust treated epoxy powder coating with upholstered top. All 4 legs of the bed shall be capped with heavy duty rubber footings. Overall size of the table shall not be less than 1830 mm L x 600mm W x 825 mm H.</p> <p>Strong Mild steel tubular construction epoxy powder coated treated. The top base of machine pressed double bent Mild steel sheet epoxy powder coated treated finish.</p> <p>The mattress shall be foldable and shall be designed to bend with the positioning of the bed when the backrest of the bed is adjusted.</p>	Pc	1				

		Bidder shall indicate the weight capacity and the total weight of the mattress in kilogram (kg). The mattress shall have mid-firmness, with foam density of approximately 0.55kg/ cubic foot, to avoid that the patient would sink down into foam with antibacterial, antistatic, acid resistance, waterproof and washable vinyl or vinylized nylon cover.						
11	Stethoscope	Dual, cup/bell and diaphragm head. Head and ear tube assembly to be made of non-ferrous metal, Tubes to be synthetic material and ear tubes to have shaped plastic cushion ends..	Pc	1				
12	Thermometer	<ul style="list-style-type: none"> <li>• Flat type, wide thermometer (mercury free).</li> <li>• Multicolour band for measurement range: Green for normal range 36.5-37.5 °C (97.7-99.5 Fahrenheit) &amp; Red colour for rest measurement range.</li> <li>• Scale: Celsius &amp; Fahrenheit both</li> <li>• Waterproof for ease of cleaning</li> <li>• Easy to read</li> <li>• Safe to use</li> <li>• Measurement range: 35-42 Celsius and 94-108 Fahrenheit both.</li> </ul>	Pc	1				
13	Torch light	Stainless steel with three battery useable	Pc	1				



14	Height and weight machine	<p>Large face dial with large clear numbers and pointer/needle. Base to be flat, of easy clean surface (Metal with heavy-duty washable finish) and must have non-slip surface. Equipment must be simple to use, operate and maintain. Scale to weigh 0 to 150 Kg in increments of 500g and to have Tare/Zero adjustment system. Inbuilt or Separate height measurement Stand that can measure height up to 7.5 feet with increments of 1 inch.</p>	Pc	1				
15	Salter scale	<p><b>Type of Weight:</b> Scale spring type tubular weight for infants. Measuring range up to approximately 5kg with minimum graduation of 25g</p> <p><b>Design Requirements:</b></p> <ul style="list-style-type: none"> <li>• Enhanced readability via reflecting surface behind needle.</li> <li>• Easy readable in low light working situations.</li> <li>• Easy to carry.</li> <li>• Readout in kg as well as in lbs.</li> <li>• No possibility to make adjustment.</li> <li>• Reading within maximum 15 seconds.</li> <li>• Fit with 2 hooks: upper for fixation and lower for attaching weighing trouser or sling wrap.</li> </ul> <p><b>Robustness:</b> Design shall allow for rough handling. Smooth surface/finishing shall allow for easy cleaning/disinfection.</p> <p><b>Material:</b></p>	Pc	1				

		<ul style="list-style-type: none"> <li>• Easy maintenance and repair in low tech settings.</li> <li>• All vital parts made of rust proof materials.</li> <li>• Splash proof and shock resistant light-weight body. Hooks shall be made of metal.</li> <li>• Dial shall be made of plastic or metal.</li> <li>• Body shall be made of metal or plastic.</li> </ul> <p>Shall provide with a set of 2 weighing pants made from tear resistant, washable thick jean. Splash proof bag for carrying the same.</p>						
16	Dressing set	Stainless kidney tray 1, bowl I, artery forceps 1 and thumb forceps I pcs.	Pc	1				
17	Suture set	Stainless steel with tray All standard set	Pc	1				
18	Dressing tray	Seamless tray, rectangular with rounded corners, stainless steel, smooth surface. <b>Material:</b> Austenitic stainless steel. <b>Dimensions:</b> sets of 2, approx. 300x200x30mm and 480x330x20mm Thickness: 0.8mm. Stain-proof and long lasting. Autoclaveable.	Pc	1				

19	Hospital bed	<p>Bed base shall be anti-corrosive and antirust treated epoxy powder coated welded steel bar or epoxy powder coated 18G perforated sheet top to improve ventilation.</p> <p>The patient bed shall be fixed height with 2 sections where the backrest section could be elevated by mechanical hand crank located at the foot-end of the bed.</p> <p>Shall have 4 IV rod receptacles and mosquito net pole receptacles at the 4 corners</p> <p>It shall come with one dual hook anti-corrosive and antirust treated epoxy powder coated or 304 grade stainless steel IV rod.</p> <p>Shall have provisions to fix urinary bag on both sides.</p> <p>All 4 legs of the hospital bed shall be capped with heavy duty rubber footings.</p> <p>Bedhead and foot-end panel (head and foot bows) shall be made of either between 4-6 anti-corrosive and antirust treated epoxy powder coated vertical tubular tube of not less than 30mm in diameter.</p> <p>Both bedhead and foot-end panel shall be detachable.</p> <p>The height of the bedhead panel: not less than 1060mm from floor.</p> <p>The height of the foot-end panel: not less than 820mm from floor.</p>	Pc	1				
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		Overall approximate dimension: not less than 1980mm length, 910mm width, 600mm height The colour of the paint or coating shall be finalised during contract negotiation.						
20	IV stand	The IV stand shall be made of tubular anti-corrosive and antirust treated epoxy powder coated mild steel, with a 5 pronged base fitted on mobile on swivelling castors of approx. diameter Ø50mm. The castors must be non-rusting and non-marking. The stand should come with stainless steel double IV hook, height adjustable from approximately 1620mm to 2340mm, with a screw knob for height adjustment.	Pc	1				
21	Mattress	The mattress fits with hospital beds having an overall approximate dimension of not less than 1980mm length, 910mm width, 600mm height. It shall be fire retardant antibacterial treated foam rubber mattress of at least 100mm thickness The mattress shall be foldable and shall be designed to bend with the positioning of the bed when the backrest and foot section of the bed are adjusted. The mattress shall have mid-firmness, with foam density of approximately 50kg/m <sup>3</sup> , so that patient would not sink down into foam.	Pc	1				

		<p>The weight capacity of the mattress: approximately 100kg.</p> <p>The weight of the mattress: approximately 5kg</p> <p>The mattress shall come with a zipped fire retardant antibacterial, antistatic, acid resistance, waterproof and washable vinyl or vinylized nylon cover. Bidder shall indicate the material of cover offered here.</p> <p>The colour of the mattress cover shall be finalised during the contract award.</p>						
22	Autoclave electric	<p>Operating temperature 121 °C - 134 °C pressure 1.1 to 2.2 kg/cm2 of steam pressure</p> <p>The pressure cooker type portable steriliser shall be operated by mains electricity and shall be used with distilled water.</p> <p>Constructed of heavy-duty spun aluminium (preferably stainless steel), cylindrical shape (Minimum Diameter 300 mm X Depth app 500 mm) and must be seamless construction to prevent bacteria residue and dirt accumulation. Lid have spring loaded safety valves - pressure relief (steam release) valves, dead weight type safety valve, automatic over pressure safety valve and dial type pressure gauge (0 - 60 PSI) and must be sealed the autoclave with joint less neoprene gasket,</p> <p>Unit to include fitted spacing shelf/trivet above heating element to prevent</p>	Pc	1				

		<p>contact of contents with heating element. Electrical heating element to have over-temperature protection/cut out and Maximum electrical power must not to exceed 4KW.</p> <p>The life span of all items required in this document, excluding wear-and-tear parts or consumables, shall be a minimum of 5 years from the date of successful hand-over.</p>						
23	Vaccine Deep Freeze (Hospital Use)	<p>Vaccine storage capacity: 80+/-10 % Litres.</p> <p>Gross Volume: 100 +/- 10 % Litres.</p> <p><b>Construction:</b></p> <ul style="list-style-type: none"> <li>• Internal: Stainless steel/ Galvanised steel (min.0.9 mm, 22 g)</li> <li>• External: Corrosion Resistance (CR at least 1 mm thickness)</li> <li>• Chest type with CFC - free insulation</li> <li>• Upright trays</li> <li>• Solid door with lock and handle</li> </ul> <p>Type:</p> <ul style="list-style-type: none"> <li>• Compression Cycled,</li> <li>• CFC-Free Refrigerant R-134a (both for refrigeration and insulation)</li> <li>• Cooling coil of copper.</li> </ul> <p>The vaccine load must remain below -15 °C during 43 °C continuous external temperature.</p> <p>While freezing a quantity of Ice Packs equal to its ice-packs freezing capacity the temperature of full load vaccine must remain below - 5 °C and returned</p>	PC	1				

		<p>to below - 15 °C within 24 hours freezing cycle.</p> <p>More than 7 Kg ice to be frozen in ice-packs for 24 hours at 43 °C while maintaining above temperature in the fast freeze compartment, if there is any such compartment.</p> <p>Compressor starting at 22% below rated voltage (both hot and cold starts). Target holdover time must be 15 hours or more in a continuous external temperature of 43 °C.</p> <p>Provision for drainage for the waste water. Easy access to this waste water container for disposal of waste water. . Compatible water trap system.</p> <p>Must have adjustments for uneven bases. The adjustments must be easy to use like rotating a screw at the legs in the base.</p> <p>Inlet of Capillary must be outside the PUF body.</p> <p>ON/OFF Switch and Power indicator must be available.</p>						
24	Dressing drum	Stainless steel round type two drum with jointed lid, 12*9 sq.inch. Autoclavable	Pc	1				
25	Foreign body removal set	Stainless steel made MP 2205 (German), 7 items, Pak	Set	1				
26	Dental set	Stainless steel and mirror finishing (Pakistani) Set of standard items	Set	1				

27	ENT diagnosis set	<p>Stainless steel with 10 items:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Hartmann Crocodile Forceps 3" shaft</li> <li><input type="checkbox"/> Jobson Horne Ring Probe</li> <li><input type="checkbox"/> Thudicum Nasal Specula No.0</li> <li><input type="checkbox"/> Thudicum Nasal Specula No.1</li> <li><input type="checkbox"/> Thudicum Nasal Specula No.2</li> <li><input type="checkbox"/> Thudicum Nasal Specula No.3</li> <li><input type="checkbox"/> Thudicum Nasal Specula No.4</li> <li><input type="checkbox"/> Tilley Aural Forceps</li> <li><input type="checkbox"/> Wax Hook</li> <li><input type="checkbox"/> Carrying case</li> </ul> <p>All instruments must be supplied free of residual scale, acid, grease and grinding and polishing materials and workmanship must be first class throughout. Instruments must be free of defects, which detract from their appearance or impair serviceability, proper functioning and intended use.</p>	Set	1				
28	Emergency lamp	Booth side lamp, rechargeable and battery useable	Pc	1				
29	Obstetric labor/delivery Bed with mattress	<p>Sturdy and robust table/bed for labour and delivery.</p> <p>Approximate Dimensions: 2200L x 1000W mm.</p> <p>Frame made in robust combination of tubular/oval steel tube epoxy powder coated washable paint at least 12 gauge.</p> <p>Table top must have 3 adjustable parts: Ratchet operated rising backrest, retractable foot end and a fixed centre part.</p>	``kj5r4\`	1				



		<p>Two support handles shall be positioned on either side of the rising backrest.</p> <p>Leg support stands with waterproof and washable protection.</p> <p>Birth permitted in at least the following positions:</p> <ul style="list-style-type: none"> <li>• Classic Lithotomic.</li> <li>• Sitting and/or semi-sitting.</li> <li>• Knee-elbow.</li> <li>• Vertical.</li> <li>• Squatting.</li> <li>• Caesarean, surgical and foetus extraction.</li> </ul> <p>Vertical movement control/adjustment via hydraulically operated monobloc actuator with dual-sided pedal control.</p> <p>All movement and control via gas-spring operated by head/side levellers.</p> <p>Quick release mechanism for back section adjustment during emergency situation for quick passage to CPR (Cardio Pulmonary Resuscitation) position.</p> <p>Head and Lower Ends:</p> <ul style="list-style-type: none"> <li>• Easily removable (for resuscitation).</li> <li>• Made of Stainless Steel with plastic-covered bends and grips.</li> </ul> <p>Removable lower end for easy access to the delivery.</p> <p>Shall have provision of IV pole attachment.</p>						
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		<p>The bed shall be mounted on four anti-static castor wheels of dia. approx. 100mm, two with brakes.</p> <p>Three separate mattresses of at least 100 mm thickness for each section fixed in position to the top of the bed by Velcro strips on the underside of each mattress section, pad covering material to be anti-bacteria, anti-static, waterproof, fire retardant and washable.</p> <p>The Delivery bed shall have maximum weight at least 200Kg.</p>						
30	Delivery set	<p>Artery Forceps (Haemostatic, Rankin-Crile or Rochester-Pean) 16cm. -2 no</p> <p>Cord Cutting Scissors (Umbilical; Blunt end) 16 cm. -1 no.</p> <p>Sponge Holding Forceps (Forester; Straight; serrated) 20cm. -1 no.</p> <p>Bowl S. S. (Small) 600 – 750 ml. -1 no.</p> <p><b>All sizes indicating length may vary +/- 3mm, other sizes +/- 2mm</b></p> <p>Instruments must be made from surgical quality, preferably non-magnetic stainless steel and must be matt surface finish. Quality must comply with EN 46002 and ISO 9002 and/or their latest amendments.</p> <p>The material shall be fret free. The material must be totally resistant to corrosion and pitting.</p> <p>Each pack must be packaged in a hospital grade cotton wrapper (autoclaveable) as a complete pack</p>	Set	1				

		Manufacturer's name and catalogue number engraved on the instrument.						
31	Screen Stand	Three fold ward screen approx. total size 2450 w x 1650 h mm in three sections. Mild steel tubular construction with epoxy powder coated treated in three section 600mm span width at each side and 1210 mm span width in the middle) and mounted on wide spaced legs for each section, and each foot to have two swivel castors size 50mm. To be supplied with hooks, springs and heavy duty curtain, firmly attached at sides, top and bottom. Curtain must have no gaps between sections.	Pcs	1				
32	Examination Lamp	Stainless steel, battery useable and removal	Pcs	1				
33	Waste Receptacle	Round waste receptacle with foot pedal opens self-closing lid, stainless steel. With removable inner heavy gauge plastic bin with handle. Capacity: Approximately 20 litres. Height: Approximately 40cm.	Pcs	1				
34	Medicine Racks	Iron made with five racks	Pcs	1				
35	Chart Holder	Stainless steel with one site clip holder	Pcs	1				
36	Instrument Trey	Seamless tray with cover, rectangular with rounded corners, stainless steel, smooth surface. <b>Material:</b> • Austenitic stainless steel.	Pcs	1				

		<ul style="list-style-type: none"> <li>• Austenitic stainless steel composition: 18 to 20% chromium, 8 to 10% nickel.</li> </ul> <p><b>Dimensions:</b> set of 3 dimensions – 225 x 125 x 50mm, 310 x 195 x 60mm and 510 x 380 x 200mm Stain-proof and long lasting. Autoclaveable.</p>						
37	Examination Table	<p>The Bed shall be made of a solid steel sheet and plate construction with anti-corrosive and antirust treated epoxy powder coating with upholstered top. All 4 legs of the bed shall be capped with heavy duty rubber footings. Overall size of the table shall not be less than 1830 mm L x 600mm W x 825 mm H.</p> <p>Strong Mild steel tubular construction epoxy powder coated treated. The top base of machine pressed double bent Mild steel sheet epoxy powder coated treated finish.</p> <p>The mattress shall be foldable and shall be designed to bend with the positioning of the bed when the backrest of the bed is adjusted. Bidder shall indicate the weight capacity and the total weight of the mattress in kilogram (kg).</p> <p>The mattress shall have mid-firmness, with foam density of approximately 0.55kg/ cubic foot, to avoid that the patient would sink down into foam with antibacterial, antistatic, acid resistance,</p>	Pcs	1				

		waterproof and washable vinyl or vinylized nylon cover.						
38	Peri (Infrared) Light	Light weight and easy to carry. The lamp can easily be positioned up to 40 degrees backwards. Power: 50 Watt or more with extra focus. Bidder to specify the power of lamp. Shall have on/off switch. Shall have facility to focus the light on specific area. Shall have long lifespan of lamp. Bidder to specify the lifespan of lamp. Spare lamp: 01 no.to be provided	Pcs	1				
39	Foetoscope	Plastic Foetoscope Must be standard quality sturdy plastic	Pcs	1				
40	Digital thermometer	Flat type, wide thermometer, safe to use, no glass, no mercury. Scale: Celsius scale. Measurement range: 32°C to 45°C Accuracy: +/- 0.1°C between 35°C to 42°C. Display: Liquid crystal display, easy to read. Shall work on a battery. Shall have a low battery indicator. Shall have facility of beep sound and switch off. Water proof for ease of cleaning.	Pcs	1				

41	Newborn Weighting Machine	The Averaging indicators include status lights and averaging signal tone with volume control It helps to rewgigh babies while still on the scale.	Pcs	1				
42	ID Set	Pakistan steel complete set	Pcs	1				
43	Cheattle Forceps	Material: Stainless steel, autoclaveable. cheattle forceps of size 270 mm.	Pcs	1				
44	Bandage Scissors	Stainless steel made	Pcs	1				
45	Measuring Tape	Flexible ruler and plastic with fiber made	Pcs	1				
46	Amboo bag	Silicon – complete set	Pcs	1				
47	Vacuum Delivery Set	Hand operated device complete with floor stand jar-holding basket. Suction jar in unbreakable material, polycarbonate or similar –size 500ml 1 metres of suction tubing to connect suction cup Pulling system; Large stainless steel or non- ferrous handle <b>Silicone rubber cups requirements:</b> <ul style="list-style-type: none"> <li>• The rubber cups must be medical grade silicone rubber cups and must ensure absolute bio-compatibility and high durability</li> <li>• Smooth external surface with small longitudinal ridge to observe any rotation</li> </ul> Inside of the cup must be lined with smooth projections 1 mm high and 4 mm in diameter, 3-5 mm distance from one another. The projections enable the air between the cup and		1				

		<p>the child's head to be evacuated and ensure that the cup sucks firmly on child's head. The soft suction cup deforms, thereby ensuring optimal adhesion and minimum trauma to the foetal scalp.</p> <p><b>Pump requirements:</b></p> <ul style="list-style-type: none"> <li>• The vacuum pump must be handy and easily portable, the desired level of vacuum must be achieved quickly and the pressure maintained.</li> <li>• The gauge must of international standard and must show accurate pressure.</li> <li>• The pump must be highly durable and maintenance free.</li> <li>• Pump to develop suction with 1 metre of connection suction tubing.</li> <li>• Foot operated suction pump systems preferred but hand bicycle style pump acceptable.</li> <li>• One spare gasket and 3 soft medical grade silicon rubber cups of 40, 50 and 60mm with SS connector to be provided</li> </ul>						
48	Oxygen with Cylinder and cylinder trolley	<p>Cylinder filled with medical grade Oxygen.</p> <p>Seamless steel Oxygen cylinder with "Bull nose"-valve</p> <p>Water Capacity: 10L</p> <p>Working pressure: 15MPa(150bar)</p> <p>Testing Pressure: 250bar</p> <p>Cylinder shall be easily refilled anywhere and there is no need for any</p>	930X140	1				

		<p>custom made refilling hose / station / connector.</p> <p>All fitting of cylinder must be leak proof and shall not have any chances of leakages.</p> <p>Shall be supplied complete with cylinder key/spanner/bar or hand-wheel to turn cylinder on/off.</p> <p><b>Trolley:</b></p> <ul style="list-style-type: none"> <li>• The trolley must have MS tubular frame work and SS base.</li> <li>• Heavy duty epoxy coated washable paint finish.</li> <li>• Two large, minimum 100mm good quality wheels with rubber or similar rims.</li> <li>• To hold F and E size (one filled cylinder at once) of medical oxygen cylinder.</li> <li>• Chain retention mechanism for cylinder.</li> </ul> <p>To be self-standing and stable when parked with or without cylinder.</p> <p><b>Regulator:</b></p> <ul style="list-style-type: none"> <li>• Bull nose screw type, medical oxygen cylinder fitting</li> <li>• Regulated to convert standard cylinder pressure (typically 2,000 psi) to approximately 4 BAR (4 atmospheres) pressure</li> <li>• Regulator delivery pressure must be factory pre-set, and not permit user adjustment</li> </ul>						
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		<ul style="list-style-type: none"> <li>• Maintenance engineer adjustment of delivery pressure via a screw slot or covered or capped system is required</li> <li>• Regulator must be diaphragm type needle valve regulators are NOT permitted.</li> <li>• The regulator must provide genuine pressure reduction and not just flow reduction</li> <li>• Regulator must incorporate overpressure safety valve with auto venting</li> </ul> <p><b>Flow Meter:</b></p> <ul style="list-style-type: none"> <li>• Back Pressure Controlled Flow Meter</li> <li>• Sturdy and reliable Flow Meter Unit for an accurate measuring of flow of gases.</li> <li>• Chromium plated Brass body.</li> <li>• Metering tube and cover made of unbreakable Poly carbonate.</li> <li>• Flow adjustment by Needle valve equipped with inlet filter – 100 µm.</li> <li>• Flow rate range 0 – 15 litres / minute.</li> <li>• Inlet pressure suitable for the cylinder.</li> <li>• Flow meter to be attached to regulator output</li> </ul> <p><b>Bubble Humidifier with Safety Valve and Pressure Relief Valve:</b></p> <ul style="list-style-type: none"> <li>• Lid made of ABS Plastic</li> <li>• Jar made of Unbreakable Poly Carbonate</li> <li>• Valve Brass chromium plated</li> </ul>						
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		Humidifier jar must be steam autoclaveable / gas sterilizeable.						
49	Foetal Doppler	<p>Doppler based foetal heart rate detector with amplifier loudspeaker.</p> <p>Transducer frequency, approx.: 2 MHz.</p> <p>Transducer probe with fixed wire connection to the main unit, length approximately 35cm.</p> <p>Detector diameter approximately 20mm.</p> <p>Self-test is performed each time the device is switched on.</p> <p>Large LCD/TFT display shows foetal heart rate (FHR) in beats per minute (bpm), pulse indicator, sound volume level, battery indicator.</p> <p>System shall report operational status, malfunctions and low battery with audio-visual alerts.</p> <p>Built-in loudspeaker with volume adjustment.</p> <p>Advanced noise suppression system assures quality diagnostic sound.</p> <p>Operates on inbuilt rechargeable batteries with autonomy of 10 hours or more continuous operation.</p> <p>Bidder to specify the number of batteries to be supplied, and details of hours of examinations on fully charged battery.</p> <p>Battery charger with AC adaptor shall be provided.</p>		1				
50	Foley Urinary Catheter	Two -way silicone, balloon size 10/30,	Size (5 to 20)	1				

51	Plain Urinary Catheter	Straight, single use	5- 20	1				
52	Absorbable Catgut	Chromic catgut		1				
53	Baby Warmer	<p>Micro-processor base servo-controlled neonatal cooling-warming system. Shall be able to cool body up to 30 °C. Ability to re-warm body to normal temperature at a user selected rate. Shall monitor oesophageal or rectal temperature and use that for servo control.</p> <p>Continuous display of set temperature, measured temperature of oesophagus or rectum, measured temperature of skin, measured temperature of mattress.</p> <p>Alarm for high and low temperature if deviation from target temperature &gt;1°C, electricity failure and system failure.</p> <p>System must be mounted on a sturdy compact trolley, stainless steel with heavy duty castor wheels with breaks.</p> <p>Ability to transfer data to portable media/computer. If any software or cables needed for this, it shall be supplied along with unit.</p> <p>Memory of set and measured parameters for at least 72 hrs.</p> <p>If the system needs fluid for cooling, the fluid must be safe for baby's skin and its composition shall be provided.</p>		1				
54	Gloves	Surgical gloves	6.5-7.5	1				
55	Virex	ISO standard		1				
56	Nebuliser Machine	Compact, lightweight, low noise.	Pc	1				

		<p>Durable long life compressor. Suitable for heavy duty/ institutional (hospital) use, must be able to run uninterruptedly for one hour.  Maximum pressure: 2.0 to 2.5bars.  Must produce particle of size 1-5µm.  Aluminium cabinet painted with epoxy powder.  Piston-type electric aspirator that offers high performance and great durability.  Protective thermal cut out relay.  Compressor flow: 11L/min.  Nebuliser flow: 6 L/min.  24 hours continuous work for hospital use.</p> <p>Accessories:</p> <ul style="list-style-type: none"> <li>• Dosage cup reusable, autoclaveable- 02 nos.</li> <li>• Paediatric face mask, T piece reusable, autoclaveable- 02 each.</li> <li>• Suitable Mouthpiece, nose piece reusable, autoclaveable for paediatric- 01 each.</li> <li>• 1 x 200 cm. tubing</li> <li>• Spare filters- 5 nos.</li> </ul>							
57	Cord Clamp	Pyrogen-free, Individually packed in peelable paper pouch, ISO standard	Set	1					
58	Episiotomy Set	Episiotomy Scissors – Braun-Stadler (one each of 14.5cm & 22 cm). – 2nos Needle Holder (Mayo-Hegar) 20 cm.- 1no. Dissecting Forceps – Toothed, Oehler, 14cm.-1no	Set	1					

		<p>Stitch Cutting Scissors - (Abdominal, Kelly) 18cm.-1no.  Triangular Cutting Needle. -1no  Round Body Needle. -1no.  Sponge Holding Forceps (Forester; Straight; serrated) 25cm.-1no.  Small Bowl SS – 750ml.-1no.  Instruments must be made from surgical quality, preferably non-magnetic stainless steel and must be matt surface finish. Quality must comply with EN 46002 and ISO 9002 and/or their latest amendments.  The material shall be fret free. The material must be totally resistant to corrosion and pitting.  Each pack must be packaged in a hospital grade cotton wrapper (autoclaveable) as a complete pack  Manufacturer's name and catalogue number engraved on the instrument.</p>						
59	IUD insertion and removal set	<p>Vaginal Speculum – Sims (a complete set of 3 sizes) (60x25-30mm; 70x30-35mm and 80x35- 40mm).-6nos  Tenaculum Forceps – Duplay single toothed, 25/28 cm.- 6nos  Sponge Holding Forceps (Forester; Straight; serrated) 25cm.-6nos.  Kidney tray (1 litre capacity).-6nos  SS tray with cover (300 x 200 x 65)mm. – 6nos.  Uterine Sound. – 6nos.  SS tray with cover (300 x 200 x 65)mm.- 1no</p>	Set	1				

60	Norplant Insertion & Removal Set	Stainless steel Autoclavable Complete set	Set	1				
61	Suction Machine Foot Operated	Complete set with accessories	Set	1				
62	Cheattle Forceps Jar	Material: Stainless steel, autoclaveable. Conical shaped with broad base for keeping cheattle forceps of size 270 mm.	Pc	1				
63	Sponge holding forceps	Stainless steel Autoclavable	Pc	1				
64	Digital BP Set	-	Set	1				
65	Incubator infant/child	<p>Microprocessor controlled, easy access control panel with feather touch switches.</p> <p>Facility for self-test function.</p> <p>Shall have facility to elevate base to offer adjustable range.</p> <p>Facility with both servo control as well as air temperature control and servo humidifier.</p> <p>Shall have Oxygen port with tubing.</p> <p>Continuous bed tilt up to 8° on either sides</p> <p>Head end raise facility with auto lock.</p> <p>Both visual and audible alarms for:</p> <ul style="list-style-type: none"> <li>• High / low temperature.</li> <li>• Air circulation / probe / system / power failure.</li> <li>• Humidity control.</li> </ul> <p>Facility to take x-ray and weight without removing baby.</p> <p>Facility to display and trending of temperature information on</p>	Pc	1				

		<p>compatible monitors with other physiological parameters.  Height 140 +/- 5 cm, depth at least 60 mm, width at least 90 mm.  Mattress to hood distance (approx.) 40 cm.  Working level (approx.): 90 to 100 cm.  Iris port for tubing, leads, probes.  Gel mattress (approx.) 4 cm. thick and easily washable.  With at least 100mm dia. castors wheel with swivel in all directions and with front lockable wheels. Two shelves cabinets with door.  Weight (approx.) 90-100 kg.  Patient control (Servo) mode, 35°C to 40°C and Air control (manual mode), 20°C to 40°C  Air velocity less than 10 cm/sec with inner wall.  Temperature variability less than +/- 0.2°C and temperature resolution +/- 1°C.  Average oxygen input concentration range 5-15l/min or 25-70%.</p> <p><b>Humidification:</b></p> <ul style="list-style-type: none"> <li>• Standard: 10-75% dependent on nursery environment and incubator temperature setting.</li> <li>• Servo: 40-80% regardless of nursery environment</li> </ul> <p>Double wall canopy with six hand ports.  Shall accommodate IV pole.</p>						
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		<p>C02 flushing, according to IEC 60601-2-19 / 105.1 Maximum C02 concentration inside incubator 0.2%.</p> <p>Servo control for Oxygen with integrated monitoring</p> <p>Noise level &lt; 50dB.</p> <p>Accessories:</p> <ul style="list-style-type: none"> <li>• Two sets of extra mattresses.</li> <li>• Two sets of extra sensors.</li> </ul>						
66	OT Light	<p>The light shall be designed with good counterbalance mechanism in order to ensure stability of light head in all positions</p> <p>Shall have single light head.</p> <p>Light head shall not be greater than 400mm diameter</p> <p>Number of bulb: 1 main bulb halogen 24V 150W with 1 backup bulb with auto-switching or multi-bulbs light head not more than 3 bulbs of halogen 12V 50W.</p> <p>Light intensity range, shall not be less than 80,000 lux at 1 meter distance from light source. Bidder shall attached certified test certificated showing the compliance of this requirement with TSF.</p> <p>Light temperature, between 4000 - 4500 K.</p> <p>Bidder shall attached certified test certificated showing the compliance of this requirement with TSF.</p> <p>Shall have colour rendering index in between 92 - 94.</p>	Pc	1				



		<p>Bidder shall attached certified test certificated showing the compliance of this requirement with TSF.          Shall have 99% heat filtrating.          Temperature increase at head shall not be more than 2 °C.</p> <p>Bidder shall attached certified test certificated showing the compliance of this requirement with TSF.          Temperature increase on operating field shall not be more than 15 °C.</p> <p>Bidder shall attached certified test certificated showing the compliance of this requirement with TSF.          Radiant heat energy (beam temperature) shall not exceed 25,000 microwatts per square centimetre measured 1m from the light source.</p> <p>Bidder shall attached certified test certificated showing the compliance of this requirement with TSF.          The light offered shall have safety designed to prevent patient from burns, especially during the ophthalmic procedures. The light offered shall be certified safe to be used under ophthalmic procedures.</p> <p>Bidder shall attached certified test certificated showing the compliance of this requirement with TSF.          Working distance range (focal length): 70 - 130cm.          Depth of field with focused light: &gt; 60cm.</p>						
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		<p>Luminance field size: 15 -25cm diameter, adjustable.</p> <p>Shall have a control to regulate light intensity and to switch on the unit.</p> <p>Shall have an On/Off switch at lamp head.</p> <p>Shall come with continuous dimmer, continuous focus adjustment, continuous field adjustment.</p> <p>Sterilizeable handle to regulate light field size, 2 pcs.</p> <p>Vertical adjustment shall not be less than 115cm.</p> <p>Rotation 360 degree.</p> <p>Come with Ophthalmic procedures safe light bulbs with a minimum of 1000 hours lifespan.</p> <p>Interference suppressed complies with VDE 0875 or equivalent.</p> <p>Transformer and operating elements shall be integrated in light head housing.</p> <p><b>Mobile Stand:</b></p> <p>Shall be based on light weight easily moveable stable support with at least 4 casters with locking counter balance mechanism in order to ensure stability of light head in all positions and with swivel arm. Caster must be medical chemical resistant.</p> <p><b>Battery:</b></p> <ul style="list-style-type: none"> <li>• Lithium ion built in rechargeable batteries with capacity sufficient for operating in battery mode (fully charged) for minimum of 3 hours.</li> </ul>						
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		<ul style="list-style-type: none"> <li>• Shall include a built-in automatic battery charger with proper protection against battery damage.</li> <li>• Shall include battery power (charge) indicator.</li> </ul> <p>Bidder to specify the number of batteries to be supplied.</p> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>• 1 x spare halogen bulb.</li> <li>• 1 x spare set of fuses.</li> </ul>						
67	Kidney tray	Stainless steel medium size	Pc	1				
68	ECG Machine	<p>Simultaneous recording of 12 standard leads: aVR, aVL, aVF, I, II, III and V1-6 pre-cordials.</p> <p>Internal memory for data storage.</p> <p>Bidder to specify the storage capacity of ECGs.</p> <p>Splash-resistant alphanumeric keyboard with function keys.</p> <p>With zeroing reset, auto-base-line correction (0.5Hz) and 1mV test/calibration signal.</p> <p>Filter setting for line-frequency (50 or 60Hz) and tremor.</p> <p>Continuous check on the quality of electrodes connection, audio visual alert on loss of signal</p> <p>Appropriately protected for operation during defibrillation.</p> <p>Alphanumeric colour LCD display, approximately: 6".</p> <p>Display shows ECG-curves, heart rate, patient name and ID, time, speed and filter setting.</p>	Pc	1				

		<p>Front panel provides indication of system and battery status, electrode connection and paper.</p> <p>Built-in high-resolution, approx. 300 dpi thermal printer, width 210mm, automatic and manual print-out mode. Print-out on folded thermo-reactive paper, format A4.</p> <p>Number of channels printed is user selectable: 3, 6 or 12.</p> <p>Combination of channels printed is standard and user selectable and with copy function.</p> <p>Paper speed, user adjustable: 5, 25 and 50mm/sec.</p> <p>Sensitivity, automatic or user selectable: 5, 10 and 20mm/mV.</p> <p>Data interface: RS232 or equivalent</p> <p>Self-test is performed each time the device is switched on.</p> <p>Transformer, charger and rechargeable battery integrated in device.</p> <p>Autonomy, approximately 50 readings on fully charged battery.</p> <p>Internal re-chargeable battery</p> <p>Power consumption, approximately: 200W</p> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>• Patient cable-1 no.</li> <li>• Reusable chest electrodes, suction ball-type- 6 nos.</li> <li>• Extremity clamp electrodes, reusable- 4 nos.</li> <li>• Box of A4 recording paper, 1000 sheets- 1 no.</li> </ul>						
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		<ul style="list-style-type: none"> <li>• Bottles of electrode gel, approximately 350ml- 2 nos.</li> <li>• Spare rechargeable battery pack- 1 no.</li> <li>• Set of spare fuses- 1 set</li> <li>• Plastic protective dustcover- 1 no.</li> </ul>						
69	Suction Machine electric	<p>It shall be mounted on four robust, fully 360 degree swivelling, antistatic, non-marking grey tires castors, minimum size 75 mm with at least 2 diagonal brakes.</p> <p>Come with suction controller and vacuum gauge / indicator.</p> <p>The pump shall be oil free vacuum pump where the pumped liquid shall be sealed off from the pump.</p> <p>Come with overflow control valves.</p> <p>Bidder shall provide technical design and details of the pump with this TSF</p> <p>Vacuum rate shall be from 0 to not less than 640 mmHg (0.85 bars).</p> <p>Air flow rate shall be at least 25 l/min.</p> <p>The pump shall come fitted with twin unbreakable, transparent, autoclaveable polycarbonate suction bottles minimum 2 litre each.</p> <p>The bottles shall be incorporated with an automatic suction cut-off mechanism when they become full.</p> <p>The suction bottles shall come with overflow lid.</p> <p>Noise level: not more than 55 dBA.</p>	Pc	1				

		<p>Air discharge from pump shall be filtered by a 0.3 micron bacterial hydrophobic filter.</p> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li>• Electrical cable: 1 minimum 3 meter length</li> <li>• Clear suction tubing: 1 set of 5 meter length</li> <li>• Bacterial filter: 0.3 micron, 10 pcs</li> <li>• Spare unbreakable, transparent, autoclaveable polycarbonate suction bottle 2L: 1pc</li> <li>• Complete connection tubing set: 1 set</li> <li>• Hand switch &amp; foot switch with cables for operating easily.</li> </ul>						
70	Tongue Depressor	<p><b>Sizes:</b>  Adult: 22mmwide.  Adolescence: 19mm wide.  Children: 13mm wide.  Material: High grade fully stainless steel, corrosion resistance.  Workmanship: Both ends slightly curved in opposite direction.  Finish: Bright polish, smooth surface without any burr, pits and scratches.  Autoclave able.</p>	Pc	1				
71	Dressing Trolley	<p>Heavy carriage mounted on 4 swivel anti-static castors, of which two with brakes. Fit on both sides with push bar-handle. Top and bottom shelves with guard rails. Protective bumpers at all four corners.</p>	Pc	1				

		<p><b>Materials:</b> Frame and tray: Austenitic stainless steel 18/10.</p> <p><b>Dimensions:</b>  Overall: Approximately (+ 10%) 900 x 550 x 1000mm (l x w x h)  Frame, diameter: 30mm.  Thickness of shelves: Approximately 1.5mm  Swivel castors approx. diameter: 100mm.  Carrying capacity: Approx. 100kg.</p>						
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**नोट:**

१. माथि उल्लेखित सामग्रीको विवरण अनुसार उल्लेख गरेको इकाई फरक हुने अवस्थामा बोलपत्रदाता आफैले इकाई सच्चाएर लेख्न सक्नेछ ।
२. माथि उल्लेखित सामग्रीको विवरणभन्दा फरक गुणस्तर र नामको सामग्री भएमा बोलपत्रदाताले फारममा रहेको खाली ठाउँमा लेख्न सक्नेछ ।
३. माथि उल्लेखित सामग्रीहरू दोहोरिन गएमा बोलपत्रदाता आफैले दोहोरिन गएका ठाउँमा एउटै मुल्य अंकित गर्नुपर्नेछ ।
४. बोलपत्रदाताले फारममा रहेको सम्पूर्ण विवरणहरू अनिवार्य रूपले भर्नुपर्नेछ साथै सहि छाप पनि गर्नुपर्नेछ ।
४. बोलपत्रदाताले ब्यबसायसंग सम्बन्धित सम्पूर्ण कागजपत्र पेश गर्नुपर्नेछ (प्यानभ्याट, कर चुक्ता, फर्म रजिष्ट्रेशन, फर्म नबिकरण, निवेदन, फोन नम्बर, इमेल,)

**Annex 2:****List of Health Posts**

<b>SN</b>	<b>Name of Health Post/Hospital</b>	<b>Address</b>	<b>Remarks</b>
1	Kharpunath Rural Municipality Hospital	Kharpunath RM-5, Yangchu Bagar	
2	Sarkideu Health Post	Sarkegad Rural Municipality-3, Sarkideu	
3	Thali community Health unit	Kharpunath RM-2, Thali	
4	Lekha Out Reach Clinic	Kharpunath RM-4, Lekha	