DHS/NHM/HS/59/2023-2024

09.06.2023

REQUEST FOR PROPOSAL (RFP)

The National Health Mission, DoHFW, GoM invites RFP under Turnkey Bases from qualified bidders for **setting up First Referral Units (FRUs)** at the identified Health facilities in the state of Meghalaya:

Request for Proposal under Turnkey Project (Single Stage - One Envelope System)	**Important Dates & Time**
Setting up First Referral units (FRUs) at the identified Health Facilities in the state of Meghalaya. Timeline for completion: 3 (Three) months.	**Last Date of Submission**:30th June, 2023 **Time:** 4:00 PM **Opening of Bids**: 30th June, 2023 **Time:** 4:30 PM

Detailed Request for Proposal is available at:

Visit - http://nhmmeghalaya.nic.in/ :NHM, Meghalaya under Tenders

The bid must be submitted in a sealed envelope to The Mission Director, National Health Mission, Directorate of Health Services 2nd Gate, Office of Meghalaya Health Systems Strengthening Project (MHSSP), Top Floor of Regional Training Centre, Health & Family Welfare Department, Govt. of Meghalaya at Red Hill Upland Road, Laitumkhrah East Khasi Hills District, Meghalaya – 793003. Phone: 7005161416.

Mission Director
National Health Mission
Meghalaya

The document is digitally approved. Hence signature is not needed.

GOVERNMENT OF MEGHALAYA.
(NATIONAL HEALTH MISSION)

REQUEST FOR PROPOSAL NO.: DHS/NHM/HS/59/2023-24

REQUEST FOR PROPOSAL
LumpSum Contract
For

SELECTION OF A SUITABLE AGENCY/FIRM/CONTRACTOR FOR RE-DESIGNING, CONSTRUCTING AND EQUIPPING 5 HEALTH FACILITIES INTO FULLY FUNCTIONAL FIRST REFERRAL UNIT (FRUs) IN MEGHALAYA

Issued By:
National Health Mission, Meghalaya
Department of Health & Family Welfare
Government of Meghalaya
Email: procurement.megh@meghssp.org
Phone No: +91-9089031225/9774851103
Website: www.nhmmeghalaya.nic.in

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Abbreviations

Abbreviation	Full Form
FRU	First Referral Unit
ITB	Instruction To Bidder(s)
LoI	Letter of Intent
RFP	Request for Proposal
NHM	National Health Mission

In the interpretation of these terms, unless the context otherwise requires:

(a) The words and expressions beginning with capital letters and defined in this document shall, unless the context otherwise requires, have the meaning ascribed thereto herein. The words and expressions beginning with capital letters and not defined herein, but defined in the other standard Bidding Documents, shall, unless the context otherwise requires, have the meaning ascribed thereto therein;

(b) Words in the singular or plural term, as the case may be, shall also be deemed to include the plural or the singular term, respectively;

(c) Terms "include" or "including" shall be deemed to be followed by "without limitation" or "but not limited to" regardless of whether such terms are followed by phrases of like import;

(d) For the purpose of this RFP, the terms “Bid” and “Proposal” are interchangeable and imply the same, unless repugnant to the context.

Disclaimer

The information contained in this Request for Proposal (**"RFP")** or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of NHM, Department of Health & Family Welfare, Government of Meghalaya, Shillong (referred to as "**NHM/Authority**") is provided to interested parties on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an agreement and is neither an offer nor an invitation by NHM to interested parties who apply for operation & maintenance of the Project in response to this RFP. The purpose of this RFP Document is to provide Bidders with information that may be useful to them in the formulation of their Bid including financial offers and for no other purpose.

NHM makes no representation or warranty and shall have no liability to any person or Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP and any assessment, assumption, statement or information contained herein or deemed to form part of this RFP or arising in any way from this bidding process.

NHM may, in its absolute discretion but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP.

The issue of this RFP does not imply that NHM is bound to select any Bidder(s) for any project. NHM reserves the right to reject all or any of the Bidders without assigning any reason whatsoever.

The Bidder shall bear all costs associated with or relating to the preparation and submission of its Proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations, site visits which may be required by NHM or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and NHM shall not be liable in any manner for the same or for any other costs or expenses incurred by a Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of this RFP and related processes.

The Bidders are prohibited from any form of collusion or arrangement in an attempt to influence the selection and award process of the Bid. Giving or offering of any gift, bribe or inducement or any attempt to any such act on behalf of the Bidder towards any officer/employee/ advisor/ representative of the NHM or to any other person in a position to influence the decision of NHM for showing any favor in relation to this RFP or any other contract, shall render the Bidder to such liability/penalty as the Department of Health & Family Welfare may deem proper, including but not limited to rejection of the Bid of the Bidder and forfeiture of its Bid Security.

Laws of the Republic of India are applicable to this RFP.

Notice Inviting Tender

Memo No: DHS/NHM/HS/59/2023-24 Date: 08/06/2023

Request for Proposal for Selection of an agency/firm/supplier/contractor For Re-Designing, Constructing and Equipping 5 Health Facilities into a fully functional First Referral Unit (FRUs) in Meghalaya

i. NHM, Department of Health & Family Welfare, Government of Meghalaya, invites Request for Proposal for the Selection of a suitable partner to re-design, construct and equip FRUs at 5 different Health Facilities in Meghalaya.

ii. Interested Bidders may obtain further information from the office of NHM, during office hours on all working days.

iii. The Bidders may download the Bid Documents from https://nhmmeghalaya.nic.in in the tender section.

iv. The Bidders shall be solely responsible for checking the above website for any Corrigendum/Addendum/Amendment issued subsequent to publication of this NIT and take the same into consideration while preparing and submitting their Bids.

v. The Bids must be submitted on or before the Bid Due Date.

The last date of receipt of Bids in the prescribed format provided in the document for the Project is 30/06/2023 till 4.00 p.m.

Sd/-
Mission Director
National Health Mission,
Meghalaya
Laitumkhrah
Shillong - 793003

Bid Data Sheet

Sl. No.	Particulars	Descriptions
1.	Date of publishing of N.I.T. & other documents (online)	9th June, 2023
2.	Last date of receipt of any query	15th June, 2023
3.	Pre-Bid Meeting	20th June, 2023
4.	Bid submission Start Date	10th June, 2023
5.	Bid Closing Date	30th June, 2023 at 4:00 PM
6.	Date of Opening of Technical Bid	30th June, 2023 at 4:30 PM
7.	Date of Presentation	To be intimidated after the Bid Submission Date
8.	Date of opening of Financial Bid	To be intimated later
9.	Authority	Mission Director, National Health Mission, Department of Health & Family Welfare, Government of Meghalaya.
10.	Address for Communication	National Health Mission, Department of Health & Family Welfare, Health Complex, Laitumkhrah, Phone: Ph:+919089031225/9774851103 Email: procurement.megh@meghssp.org
11.	Bid Security/EMD	All bids must be accompanied by Earnest Money Deposit (EMD) of INR 2,00,000.00 (Rupees Two Lakhs Only) in form of DD/Bank Guarantee/Fixed Deposit Receipt in favour of "Mission Director, National Health Mission, Meghalaya", Payable at Shillong and a copy of EMD in Sealed envelope should be submitted along with the Technical Documents in the Technical Envelope. EMD will be released to unsuccessful bidders within 8 weeks of conclusion of the resultant contract. EMD of successful Bidder will be retained as partial security deposit till completion of contract period. The return of EMD shall not carry any interest component.
12.	Validity of Bids	120 (one hundred twenty) days from the Bid Due Date

1. INTRODUCTION

1.1 Background

The National Health Mission (NHM) is a national effort at ensuring effective healthcare through a range of interventions at individual, household, community, and most critically at the health system levels. Despite considerable gains in health status over the past few decades in terms of increased life expectancy, reductions in mortality and morbidity serious challenges still remain. These challenges vary significantly from state to state and even within states. A number of States particularly in North, East and North Eastern parts of the country have stagnant health indicators and continue to grapple with significant morbidity and mortality. The causes for this basically lie in socio-economic factors, underperforming health systems and weak institutional framework.

1.2 The goals of NHM are outlined below:

1. Reduction in Infant Mortality Rate and Maternal Mortality Ratio by at least 50% from existing levels in next seven years
2. Universalize access to public health services for Women's health, Child health, water, hygiene, sanitation and nutrition
3. Prevention and control of communicable and non-communicable diseases, including locally endemic diseases
4. Access to integrated comprehensive primary healthcare
5. Ensuring population stabilization, gender and demographic balance.
6. Revitalize local health traditions and mainstream AYUSH
7. Promotion of healthy lifestyles

Presently, NHM invites sealed tenders in ONE SINGLE ENVELOPE comprising of two separate sealed envelopes duly marked "Cover A: Technical Bid" and "Cover B: Price Bid" and both envelopes in Single outer Master Envelope from duly registered/reputed Organizations/agencies/companies/firms/contractors/suppliers etc for the following 5 Projects on a TURNKEY BASIS which means the contractor shall be fully responsible to redesign and handle every aspect of construction (including Demolishing & Extension), from start to finish which will also include supply and installation of all equipment through its own network of suppliers. The payment for this contract will be made either by NHM or on behalf of NHM and a Tripartite Agreement will be signed between the parties accordingly.

Sl no	District	Facility name
1	East Khasi Hills District	Mawphlang CHC
		Pynursla CHC
2	South West Khasi Hills District	Ranikor CHC
3	Ri Bhoi District	Bhoi Rymbong CHC
4	North Garo Hills District	Resubelpara CHC

- **The project is scalable to other Health Facilities across Meghalaya based on the review of the project yielding desired results.**
- **The scalability of the project to other Health Facilities is contingent upon the vendor's ability to deliver consistent and satisfactory results in the initial contract**
- **The vendor has to therefore provide a clear outline of the pricing structure and any potential cost adjustments for the expanded project, should it be awarded to them. The vendor should ensure that their costing allows for scalability without undue financial burden on the client**.
- **The contract renewal for the expanded project is contingent upon the vendor's compliance with the terms and conditions set forth in the initial contract, satisfactory performance, and the vendor's ability to meet the requirements of the expanded project.**

1.3 Objective of the Project:

1.3.1 Maternal Health Division, Department of Family Welfare, Ministry of Health & Family, Government of India in 2**004** had issued guidelines for operationalizing FIRST REFERRAL UNITS (FRUs) for strengthening Emergency Obstetric and Child Health care at the First Referral Units which are equipped to provide full range of Emergency Obstetric and New-born Care on a round-the-clock basis in addition to all emergencies that any hospital is required to provide. In the wake of increasing need to reduce maternal mortality rate, improving health interventions to hard-to-reach areas, improving health indicators and immunization in communities, setting up of FRUs has become extremely important.

1.3.2 Therefore, NHM now wishes to select through a single stage transparent and competitive Bidding Process, a partner for awarding the Project to establish a fully functional FRU at the premises of the existing health facilities.

1.4 General Scope of Work:

1. Reorganization, reorientation, and standardization of the existing rooms, i.e., the labor room, NBSU, operation theater, blood storage unit, ultra-sonography room, dirty utility room, and other rooms, for FRU strengthening as per national guidelines and standards If rooms were not available within the hospital space, additional rooms for extensions might be included or proposed.
2. The operation theatre which needs improvement of floors, walls, corner of walls, infection control such as air exchange and temperature maintenance should adhere as per OT standards.
3. Openings of the existing doors, windows, ventilators, and ceilings in the existing room should be properly reorganized and follow the standard guidelines and specifications.
4. Replacement of damaged tiles, reinstallation of new tiles on the existing wall tiles, and floor tiles in the critical care room should use cost-effective, attractive, and durable finishing

materials for the floor as well as the walls. However, fixing or laying the additional or new material also requires proper selection of materials, correct practice, and workmanship to give satisfactory and trouble-free performance.

5. The air flow in the operation theatre should be maintained and should have ambient temperature/humidity as per the operational standard guidelines (Air Handling Unit/Unidirectional Airflow), which are cost effective and durable. A positive air pressure in all OT and other rooms should be provisioned during planning and designing.
6. The civil work for the FRUs strengthening at CHC should be minimally dismantled and cost-effective as possible.
7. Participating vendor, supplier, or contractor should take a reference of the existing layout provided (Bid document) and from the medical office in charge during the visit to the health facility (if additional rooms or extension is required, it is to follow the guidelines and components for FRU strengthening)

The major requirements for the FRU setup includes-

1. **Labour Room & In patient Services**

- Operation Theatre complex
- Labour room complex
- Newborn Stabilization Unit (NBSU) – 4-6 bedded for basic care and stabilization prior to referral.

2. **Support Services**

- Blood Storage
- Laboratory services

3. **Diagnostic Services:**

- Ultra-sonography sonography

4. **Referral Services**

The assessment of the existing rooms requires the following components for reconstruction and revamping of the CHC building for FRU strengthening/ setup:

- Operation theatre Layout.
- OT zoning.
- Smooth movement of Staff & Patient flow.
- Ventilation system and air conditioning
- Sterilization supply department/Tissue Sterilization supply unit (TSSU)
- Biomedical waste disposal
- Laundry
- Electrical assessment/supply and backup.
- Other rooms for FRU strengthening (as required by MO)

2. GENERAL CONDITIONS

2.1 Bids shall be opened in presence of Bidder/Representative who intend to attend, on the specified date and time.

2.2 At any time prior to the date of submission of bid, NHM, for any reason, modify the bidding documents by an amendment. All prospective bidders who have received the bidding document will be notified of the amendment in writing and the amendment shall be binding on them. Inorder to provide reasonable time to take the amendment into account in preparing the bid, NHM, may at its discretion, extend the date and time for submission of bids.

2.3 The bid document is not transferable.

2.4 The bid document shall be signed by the bidder in all pages with official seal as a token of having accepted terms and conditions and enclosed with the offer.

2.5 As the bid is on the Turnkey Basis, the bidder must quote for all the items & works included in the bid document. In case the bidder does not quote for one or more items in this tender, the bids shall be considered incomplete and shall be liable for rejection. The decision of NHM in this respect shall be FINAL.

2.6 The successful bidder shall submit within 30 days from the issue of the LOI, a letter from the principal manufactures that the equipment shall be genuine and shall ensure full guarantee/warranty obligations during the warranty period against the goods supplied by the bidder. Failure to do so will lead to rejection of the bid and the contract will be awarded to the next bidder who fulfills the mentioned criteria.

2.7 Interested eligible bidders, if so desire, may obtain further information from the office of the undersigned.

2.8 Bidders are to quote with a warranty period of two years. The rates quoted shall be the landed cost of destination, inclusive of packing, forwarding, Excise Duty, Freight, Insurance, installation/commissioning etc. GST is to be indicated separately. Rates quoted shall be kept open for a period of 120 days from the date of opening of bids. Request for change of rates shall not be entertained.

2.9 It will be imperative on each bidder to fully acquaint himself with all the local conditions and the factors which would have any effect on the performance of the system. Bidders are also encouraged to visit the respective Health Facilities and see the existing infrastructure themselves to ascertain the site conditions, locations, climate, availability of infrastructure and other applicable laws and regulations of the stage before deciding to bid for this tender.

3. SPECIAL CONDITIONS

3.1 The following Special Conditions of the Contract shall form an integral part of the bid document and the bidders shall confirm adherence to these conditions. Bids without confirmation to these Special Conditions of the Contract shall not be considered for Evaluation.

3.2 The tender is on a Turnkey Basis (Design and Build) and all items and works required are intended to be completed by one single bidder.

3.3 All bidders are requested to examine the site on their own and if it's found that to meet the performance criteria, any infrastructure required for the same will be complied by the bidder.

3.4 Site Plan and System Layout Plan and Drawing for setting up the FRU should be submitted

with the bid. All the drawings should be submitted in AutoCAD System based on Architectural Drawings include Site Measurements at not extra cost to NHM.

3.5 Any demolishment, reconstruction, extension, necessary plumbing, repainting, replacement of any doors or windows to provide structured design for the unit should be carried out by the bidder. Enclosure of the inner side corridor to make it closed through proper Air Filtration Mechanism should be carried out by the contractor.

3.6 Demolishing and Drawing Partition to be reconstructed (if any), should be enclosed with the bid.

3.7 Entire Electrical Work (cabling + fittings + fixtures + earthing) should be taken care by the contractor including correct assessment of supply and installation of inverter in OTs which is mandatory. The Vendor also needs to ensure supply and installation of GenSet at all 5-facilities basis capacity of each of the facility.

3.8 The selection of the Successful Bidder shall be on the basis of evaluation by the NHM through the Selection Process specified in this RFP. Bidders shall be deemed to have understood and agreed that no explanation or justification for any aspect of the Selection Process will be given and that the department's decision is without any right of appeal whatsoever;

3.9 The Bidder shall submit the Proposal in the form and manner specified in this RFP. The Financial Proposal shall be submitted in the format specified in Annexure 5.

3.10 NHM reserves the right to compare the rates quoted by the Vendor for various equipment listed in this RFP with the latest rates of the equipment available for whichever item applicable with NHM or any other relevant government-approved rate schedule. In case the rates quoted by the vendor are higher than the latest rates available with NHM, the client may request justification from the vendor for the variance in pricing.

3.11 Comprehensive Maintenance Contract (CMC) will be applicable in addition to the Main Contract Agreement for the purpose:

a. The Comprehensive Maintenance Contract (CMC) shall cover the maintenance, repairs, and servicing of the specified equipment/systems throughout the contract period.

b. The CMC shall include preventive maintenance, routine inspections, breakdown repairs, replacement of faulty components, and any other maintenance tasks necessary to ensure the optimal functioning of the equipment/systems.

c. The vendor shall provide maintenance services in accordance with agreed-upon service levels, which may include response times, resolution times, and availability of technicians/engineers.

d. The service levels shall be specified in the contract and agreed upon by both parties.

e. The CMC shall clearly outline the equipment/systems covered under the contract, including make, model, serial numbers, and any additional identifying information.

f. Any changes or additions to the equipment/systems covered under the CMC during the contract period shall be subject to mutual agreement between the client and the vendor.

g. The vendor shall be responsible for all maintenance activities mentioned in the CMC,

including but not limited to inspections, repairs, replacements, and calibration (if applicable).

h. The vendor shall ensure that qualified and trained personnel perform the maintenance tasks with appropriate expertise and adherence to industry standards.

i. The vendor shall provide all necessary spare parts, components, and consumables required for the maintenance and repair of the equipment/systems covered under the CMC.

j. The vendor shall ensure that genuine and original equipment manufacturer (OEM) parts are used, unless otherwise agreed upon by the client.

k. The vendor shall maintain accurate records of all maintenance activities, including dates, tasks performed, parts replaced, and any other relevant information.

l. The vendor shall provide regular maintenance reports to the client, detailing the status of the equipment/systems, completed tasks, pending issues, and any recommendations for improvements or replacements.

m. The contract duration for the CMC shall be specified within the main contract document.

n. The contract may include provisions for renewal at the end of the initial contract period, subject to mutual agreement between the client and the vendor.

o. The client reserves the right to evaluate the vendor's performance throughout the contract period, based on factors such as adherence to service levels, response times, quality of maintenance, and client satisfaction.

p. In the event of consistent underperformance or failure to meet agreed-upon service levels, the client may impose penalties, which may include financial deductions or termination of the contract.

3.12 Incomplete Proposal in any respect or those that are not consistent with the requirements as specified in this Document or those that do not contain the Covering Letter or any other documents as per the specified formats may be considered non-responsive and liable for rejection.

3.13 Strict adherence to formats wherever specified is required.

3.14 All communication and information should be provided in writing and ONLY in English language. All communication and information provided should be legible. The financial proposals given in figures should be mentioned in words also.

3.15 No change in/or supplementary information shall be accepted once the Proposal is submitted. However, NHM reserves the right to seek additional information and/or clarification from the Bidders, if found necessary during evaluation of the proposal. Non-submission, incomplete submission or delayed submission of such additional information or clarifications sought by NHM may be grounds for rejecting.

3.16 The bidder shall be evaluated as per the selection criteria specified in this RFP Document. However, within the broad framework of the evaluation parameters as stated in the RFP, NHM reserves the right to make modifications to the stated evaluation/selection criteria, which would be uniformly applied to all the Bidders.

3.17 The Bidder should designate

individual/individuals("Contact Person" and" Authorized Representative and Signatory") authorized to represent the Bidder in its dealings with NHM. This designated person should hold the Power of Attorney and be authorized to perform all tasks including but not limited to providing information responding to enquiries etc. The Covering Letter submitted by the Bidder shall be signed by the authorized Signatory and shall bear the stamp of the firm.

3.18 NHM reserves the right to reject any or all of the Bidders' without assigning any reason whatsoever.

3.19 Mere submission of information does not entitle the Bidder to meet an eligibility criterion. NHM reserves the right to vet and verify any or all information submitted by the Bidder.

3.20 If any claim made or information provided by the Bidder in the RFP or any information provided by the Bidder in response to any subsequent query by NHM is found to be incorrect or is a material misrepresentation of facts, then the Bidder will be liable for rejection. Mere clerical errors or mistakes may be treated as an exception at the sole discretion of NHM if adequately satisfied.

3.21 All duties, taxes, and other levies payable by the bidder or for any other cause, as of the deadline for submission of proposal shall be included in the rates and prices and the total financial proposal submitted by the bidder.

3.22 The unit rates and prices shall be quoted by the bidder and shall be paid for, entirely in Indian Rupees.

3.23 The entire 5 Health Facilities needs to be completed in all respect on or before 3 months of signing the contract.

3.24 Bidders are required to adhere to the following guidelines while preparing the proposal:

a. Guidelines For Operationalising First Referral Units- Maternal Health Division, Department of Family Welfare, Ministry of Health & Family, GoI- 2**004**

b. Indian Public Health Standards CHC 2022- Volume II, Ministry of Health & Family Welfare, GoI

c. LaQshya Guidelines Labour Room Quality Improvement Initiative 2017, NHM, Ministry of Health & Family Welfare, GoI

d. MPWD (Buildings) MSOR 21-22 for Civil Works

e. MPWD MSOR 21-22 for Electrical Works

4. Brief Description of the Bidding Process:

4.1.1. The Authority has adopted a single stage two-folder bidding process (collectively referred to as the "**Bidding Process**") for identification of the Selected Bidder. Under this system the Technical Bid and the Financial Bid are to be submitted separately for selection of the Bidder for award of the Project in terms hereof. In the first stage, a technical evaluation of the Technical Bids submitted by the Bidders shall be carried. Based on this technical evaluation, a list of technically qualified Bidders shall be prepared whose Financial Bid shall be opened.

4.1.2. The Bidders shall submit its Technical Bid and Financial Bid (the **"Bids"**) through in accordance with the terms specified in the Bidding Documents. Under this system the Technical Bid and the Financial Bid are to be submitted separately for selection of the Selected Bidder for the Project in terms hereof.

4.1.3. A Bidder is required to deposit, along with its Bid, a bid security equivalent to an amount (the **"Bid Security"**) as mentioned in the Bid Data Sheet of this RFP. The Bid Security shall be refundable to unsuccessful Bidders and it shall be returned except in the case of the Selected Bidder who's Bid Security shall be retained till the Selected Bidder submit the Performance Security for the Project.

4.1.4. During the Bidding Process, the Bidders are invited to examine the Project in greater detail, and to carry out, at their cost, such studies as may be required for submitting their respective Bids for award of the Contract including implementation of the Project.

4.1.5. Generally, the Preferred Bidder shall be the Selected Bidder. The remaining Technically Qualified Bidders shall be kept in reserve and may be invited to match the Bid submitted by the Preferred Bidder in case such Preferred Bidder withdraws or is not selected for any reason. In the event that none of the other Bidders match the Bid of the Preferred Bidder, the Authority may, in its discretion, either invite fresh Bids from the remaining Bidders or annul the Bidding Process.

4.1.6. Any queries or request for additional information concerning this RFP shall be submitted in writing by e-mail to procurement.megh@meghssp.org.

5. Instructions to Bidders

A. General

2.1. General Terms of Bidding

2.1.1. No Bidder shall submit more than one Bid for the Project. A Bidder bidding individually or as a member of a Consortium shall not be entitled to submit another Bid either individually or as a member of any Consortium, as the case may be. If an entity applying as a single entity or as a Consortium Member participates in more than one Bid, all the Bids with that entity's participation shall be deemed invalid. Bids of such Bidders shall be summarily rejected.

2.1.2. The Technical Bid and Financial Bid shall be furnished in the format at Appendices of this RFP.

2.1.3. The Bidder shall submit a Power of Attorney as per the format, authorizing the signatory of the Bid to commit the Bidder.

2.1.4. In the case the Bidder is a Consortium, the Members thereof should furnish a Power of Attorney in favor of the Lead Member

2.1.5. Any condition or qualification or any other stipulation contained in the Bid shall render the Bid liable to rejection as a non-responsive Bid.

2.1.6. The Bid and all communication in relation to or concerning the Bidding Documents and the Bid shall be in English language.

2.1.7. The Bidding Documents including this RFP and all attached documents, provided by the Authority are and shall remain the property of the Authority and are transmitted to the Bidders solely for the purpose of preparation and submission of a Bid in accordance herewith. The Bidders are to treat all information as strictly confidential and shall not use it for any purpose other than for preparation and submission of their Bid. The provisions of this Clause 2.1.7 shall also apply *mutatis mutandis* to Bids and all other documents submitted by the Bidders, and the Authority shall not return to Bidders any Bid, document or any information provided along therewith.

2.1.8. A Bidder shall not have a conflict of interest **(**the **"Conflict of Interest"**) that affects the Bidding Process. Any Bidder found to have a Conflict of Interest shall be disqualified. In the event of disqualification, the Authority shall forfeit and appropriate the Bid Security submitted by the Bidder as mutually agreed genuine pre-estimated loss and damage likely to be suffered and incurred by the Authority and not by way of penalty for, *inter alia*, the time, cost and effort of Authority, including consideration of such Bidder's proposal **(**the **"Damages**"), without prejudice to any other right or remedy that may be available to the Authority hereunder the Bidding Documents or/and the Concession Agreement or otherwise. Without limiting the generality of the above, a Bidder shall be considered to have a Conflict of Interest that affects the Bidding Process, if:

i. a constituent of such Bidder is also a constituent of another Bidder; or

ii. such Bidder or any Associate thereof receives or has received any direct or indirect subsidy, grant, concessional loan or subordinated debt from any other Bidder, or Associate, or has provided any such subsidy, grant, concessional loan or subordinated debt to any other Bidder, or any Associate thereof; or

iii. such Bidder has the same legal representative for purposes of this Bid as any other Bidder; or

iv. such Bidder or any Associate thereof has a relationship with another Bidder, or any Associate thereof, directly or through common third parties, that puts them in a position to have access to each other's information about, or to influence the Bid of either or each of the other Bidder; or

v. such Bidder has participated as a consultant to Authority in the preparation of any documents, design, or technical specifications of the Project.

Explanation:

In case a Bidder is a Consortium, then the term Bidder as used in this clause shall include each Member of such Consortium, as the case may be.

For the purposes of this RFP, Associate means, in relation to the Bidder, a person who controls, is control by, or is under common control with such Bidder (the **"Associate"**). The expression "control" means, with respect to a person which is a company or corporation, the ownership, directly or indirectly, of more than 50% (fifty per cent) of the voting share capital of such person, and with respect to a person which is not a company or corporation, the power to direct the management and policies of such person, whether by operation of law or otherwise.

2.1.9. This RFP is non- transferable.

2.1.10. Any entity which has been barred by the Central/ State Government, or any entity controlled by it, from participating in any project and the bar subsists as on the Bid Due Date, would not be eligible to submit the Bid, either individually or as member of a Consortium.

2.1.11. A Bidder including any Consortium Member or Associate should, in the last 3 (three) years, have neither failed to perform on any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Bidder, Consortium Member or Associate, as the case may be, nor has been expelled from any project or contract by any public entity nor have had any contract terminated by any public entity for breach by such Bidder, Consortium Member or Associate. Provided, however, that where an Applicant claims that its disqualification arising on account of any cause or event specified in this Clause 2.1.11 is such that it does not reflect (a) any malfeasance on its part in relation to such cause or event; (b) any willful default or patent breach of the material terms of the relevant contract; (c) any fraud, deceit or misrepresentation in relation to such contract; or (d) any rescinding or abandoning of such contract, it may make a representation to this effect to the Authority for seeking a waiver from the disqualification hereunder and the Authority may, in its sole discretion and for reasons to be recorded in writing, grant such waiver if it is satisfied with the grounds of such representation and is further satisfied that such waiver is not in any

manner likely to cause a material adverse impact on the Bidding Process or on the implementation of the Project.

2.1.12. Notwithstanding anything to the contrary contained herein, in the event that the Bid Due Date falls within three (3) months of the closing of the latest Financial Year of a Bidder, it shall ignore such Financial Year for the purposes of its Bid and furnish all its information and certification with reference to the three (3) years preceding its latest Financial Year.

2.2. Eligibility of Bidders

2.2.1. The Bidder cannot be an individual or group of individuals. It should only be a registered legal entity such as Limited Company/Private Limited Company/Limited Liability partnership firm/ Partnership or Proprietary Firm registered under appropriate statutory authority of Government of Meghalaya/Government of India.

2.2.2. The Bidder shall be a sole provider or a group of Bidders (maximum 3) coming together as consortium to implement the Project **but preference will be given to those bidders who can come as a Single bidder for completing the task on their own**.

2.2.3. The Bidder should not be blacklisted /debarred by the purchaser or by any State Government /Central Government Department/ Authority/Agency/Broad/Commission etc.

2.2.4. The Lead Member of the Consortium shall be legally responsible and shall represent all consortium members, if any, legal matter arises.

2.2.5. Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity for construction work is equal to or more than the total bid value of the work. The available bid capacity will be calculated as under:

Assessed Available bid capacity = (A*N*1.15-B) Where
A = Maximum value of civil engineering works and or supply of equipment executed in any one year during the last five years (updated to 2022-23 price level), taking into account the completed as well as works in progress).

N = Number of years prescribed for completion of the works for which bids are invited (period up to 6 months to be taken as half-year and more than 6 months as one year).

B = Value at 2022-23 price level of existing commitments on on-going works to be completed during the period of completion of the works for which bids are invited.

Note: The statements showing the value of existing commitments and on-going works as well the stipulated period of completion remaining for each of the works should be countersigned by the engineer in charge not below the rank of an Executive Engineer or equivalent

2.3. Cost of Bidding

2.3.1. The Bidders shall be responsible for all costs associated with the preparation of their Bids and their participation in the Bidding Process. The Authority shall not be responsible, or in any way liable, for such costs, regardless of the conduct or outcome of the Bidding Process.

2.4. Verification and Disqualification

2.4.1. The Authority reserves the right to verify all statements, information and documents submitted by the Bidder in response to the RFP or the Bidding Documents and the Bidder shall, when so

required by the Authority, make available all such information, evidence and documents as may be necessary for such verification. Any sort of verification, or lack of such verification, by the Authority shall not relieve the Bidder of its obligations or liabilities hereunder nor shall it affect any rights of the Authority there under any manner whatsoever.

2.4.2. The Authority reserves the right to reject any Bid and appropriate the Bid Security at any point of time whatsoever if:

(a) at any time, a material misrepresentation is made or uncovered, or

(b) the Bidder does not provide, within the time specified by the Authority, the supplemental information sought by the Authority for evaluation of the Bid.

Such misrepresentation/ improper response shall lead to the disqualification of the Bidder. If the Bidder is a Consortium, then the entire Consortium and each Member may be disqualified/ rejected. If such disqualification/rejection occurs after the Bids have been opened and the Select Bidder gets disqualified/rejected, then the Authority reserves the right to:

(i) invite the remaining Bidders to submit their Bids

(ii) take any such measure as may be deemed fit in the sole discretion of the Authority, including annulment of the Bidding Process.

In case it is found during the evaluation or at any time before signing of the Contract Agreement or after its execution and during the period of subsistence thereof, that one or more of the Minimum Eligibility Criteria have not been met by the Bidder, or the Bidder has made material misrepresentation or has given any materially incorrect or false information, the Bidder shall be disqualified forthwith if not yet appointed as the Concessionaire either by issue of the LOA or entering into of the Contract Agreement, and if the Selected Bidder has already been issued the LOA or has entered into the Contract Agreement, as the case may be, the same shall, notwithstanding anything to the contrary contained therein or in this RFP, be liable to be terminated, by a communication in writing by the Authority to the Selected Bidder or the Partner, as the case may be, without the Authority being liable in any manner whatsoever to the Selected Bidder or Partner. In such an event, the Authority shall be entitled to forfeit and appropriate the Bid Security or Performance Security, as the case may be, as Damages, without prejudice to any other right or remedy that may be available to the Authority under the Bidding Documents and/ or the Concession Agreement, or otherwise.

B. Document

2.5. Contents of the RFP

2.5.1. This RFP comprises the Disclaimer set forth herein above, the contents as listed below, and shall additionally include any Addenda issued in accordance with Clause 2.7.

2.5.2. Layout of the Health Facilities for reference along with the details of the Gap Assessment,

2.5.3. Minimum list of Medical Equipment along with desired specification which can be further finalized during the implementation stage.

2.6. Clarifications

2.6.1. The Bidders requiring any clarification on the RFP may notify the Authority in writing on email. They should send their queries on or before the date specified in the scheduled of Bidding

Process mentioned in Bid Data Sheet of this RFP. The Authority shall endeavour to respond to the queries with in the period specified herein, but no later than 15 (fifteen) days prior to the Bid Due Date. The responses shall be sent by e-mail. The Authority shall forward all the queries and its responses thereto, to all Bidders without identifying the source of queries.

2.6.2. The Authority shall endeavour to respond to the questions raised or clarifications sought by the Bidders. However, the Authority reserves the right not to respond to any question or provide any clarification, in its sole discretion, and nothing in this Clause 2.6.2 shall be taken or read as compelling or requiring the Authority to respond to any question or to provide any clarification.

2.6.3. The Authority may also on its own motion, if deemed necessary, issue interpretations and clarifications to all Bidders. All clarifications and interpretations issued by the Authority shall be deemed to be part of the Bidding Documents. Verbal clarifications and information given by Authority or its employees or representatives shall not in any way or manner be binding on the Authority.

2.7. Amendment of RFP

2.7.1. At any time prior to the Bid Due Date, the Authority may, for any reason, whether at its own initiative or in response to clarifications requested by a Bidder, modify the RFP by issuance of Addenda/Corrigendum.

2.7.2. Any Addendum thus issued shall be uploaded on https://nhmmeghalaya.nic.in in the tender section.

2.7.3. In order to afford the Bidders, a reasonable time for taking an Addendum into account, or for any other reason, the Authority may, at its own discretion, extend the Bid Due Date.

C. Preparation and Submission of Bid

2.8. Format and Signing of Bid

2.8.1. The Bidder shall provide all the information sought under this RFP. The Authority shall evaluate only those Bids that are received in the required formats and complete in all respects.

2.8.2. The Technical and Financial Bid shall be typed or written in indelible ink and signed by the authorised signatory of the Bidder who shall also initial each page, in blue ink. In case of printed and published documents, only the cover shall be initialed. All the alterations, omissions, additions, or any other amendments made to the Bid shall be initialed by the person(s) signing the Bid.

2.8.3. The Bid shall contain no alterations, omissions, or additions, except those to comply with instructions issued by the Authority, or as necessary to correct errors made by the Bidder, in that case all such corrections shall be initialed by the Authorized signatory.

2.9. Preparation and submission of Bids

2.9.1. The Bidders shall submit their Bids (Technical Bid and Financial Bid) as per the prescribed format given under Appendixes of this RFP as per the schedule indicated in the Bid Data Sheet and any amendments made within Bid Due Date for submission of the Bids.

2.9.2. The Bid submission shall be submitted in hard copy from the Bid submission start date till the Bid Due Date as mentioned in the Bid Data Sheet. The Bidders should start the Bid submission

process well in advance so that they can submit their Bid on time. Once the Bid Due Date and time is over, the Bidders cannot submit their Bids. For delays in submission of Bids due to any reasons, the Bidders shall only be held responsible.

2.10. Contents of Bids

2.10.1 The bids shall be submitted in two folders which comprise the following documents: -

A. **Folder- I**: **Technical Bid: -** The Bidder shall prepare the Technical Bid in the formats prescribed at Appendix I and submit as per the provision of this RFP

1) Checklist as described in Annexure I
2) Letter Comprising the Bid in the form and manner as described in Annexure II.
3) Details of the Bidder in the form and manner as described in Annexure III
4) Financial Capacity of the Bidder in the form and manner as described in Annexure IV
5) Statement of Legal Capacity of the Bidder in the form and manner as described in Annexure V
6) Notarized Power of Attorney authorizing the signatory of the Bid in the form and manner as described in Annexure VI. The Bidder should submit for verification, the extract of the chartered documents and documents such as a board resolution/power of attorney in favour of the person executing this Power of Attorney for the delegation of power on behalf of the Bidder.
7) Notarized Power of Attorney for Lead Member authorizing the signatory of the Bid in the form and manner as described in Annexure VII. The Bidder should submit for verification, the extract of the chartered documents and documents such as a board resolution/power of attorney in favour of the person executing this Power of Attorney for the delegation of power on behalf of the Bidder in case the Bidder is a Consortium.
8) Undertaking in the form specified at Annexure VIII
9) Undertaking regarding use of qualified human resources in the form specified at Annexure IX
10) Other material/information required to be submitted are:

- Audited annual report of the last five financial years of the Bidder (FY 2022-23, FY 2021-22, FY 2020-21, FY 2019-20, and FY 2018-19)
- A copy of the entire Bid Document (along with its addendum, if any) duly signed on each page by the authorized signatory of the Bidder.
- Scan copy of the Bid Security.
- Certificate of Incorporation, Articles & Memorandum of Association in case of a company/ partnership deed in case of a partnership firm. In case of partnership firms, a copy of the partnership agreement, or general power of Attorney duly attested by a Notary Public, should be furnished on stamped paper duly sworn or affirmed by all the partners admitting execution of the partnership agreement or the general power of attorney. The attested copy of the certificate of registration of firm should also be enclosed along with the tender.

- Certificate of Registration under GST Act,
- Income Tax Assessment copies for the last three financial years.
- Certificate of ISO, if available
- The Bidder shall need to submit the work order/contract copy/completion certificate for the above-mentioned technical capacity. In case of projects owned by the Bidder, the Bidder shall need to submit the auditor certificate certifying the above-mentioned details.

B. **Folder-II-Financial/Price Bid:** The Bidder shall prepare Financial Bid Financial/Price Bid as per the format specified at Appendix II.

2.11 Financial Proposal/ Price Bid

2.11.1 The Financial Bid is to be submitted in a separate sealed envelope.

2.12 Bid Due Date

2.12.1 Bids should be submitted on or before 4.00 PM on the Bid Due Date in the manner and form as detailed in this RFP.

2.12.2 The Authority may, in its sole discretion, extend the Bid Due Date by issuing an Addendum in accordance with Clause 2.7.3 uniformly for all Bidders.

2.13 Late Bids

Bids received by the Authority after the specified time on the Bid Due Date shall not be eligible for consideration and shall be summarily rejected.

2.14 Modification and Withdrawal of Bids

2.14.1 The Bidder may modify, substitute or withdraw its Bid after submission, provided that written notice of the modification, substitution or withdrawal is received by the Authority prior to the Bid Due Date. No Bid shall be modified, substituted or withdrawn by the Bidder on or after the Bid Due Date.

2.14.2 Any alteration/modification in the Bid or additional information supplied subsequent to the Bid Due Date, unless the same has been expressly sought for by the Authority, shall be disregarded.

2.14.3 The Bidders can submit their revised Bids as many times as possible within the scheduled date & time for submission of Bids.

2.14.4 No Bids can be resubmitted subsequently after the Bid Due Date.

2.15 Rejection of Bids

2.15.1 Notwithstanding anything contained in this RFP, the Authority reserves the right to reject any Bid and to annul the Bidding Process and reject all Bids at any time without any liability or any obligation for such acceptance, rejection, or annulment, and without assigning any reasons therefor. In the event that the Authority rejects or annuls all the Bids, it may, in its discretion, invite all eligible Bidders to submit fresh Bids hereunder.

2.15.2 The Authority reserves the right not to proceed with the Bidding Process at any time, without notice or liability, and to reject any Bid without assigning any reasons.

2.16 Validity of Bids

2.16.1 The Bids shall be valid for a period specified in the Bid Data Sheet of this RFP from the Bid Due Date (the **"Bid Validity"**). The validity of Bids may be extended by mutual consent of the respective Bidders and the Authority.

2.16.2 Prior to expiry of the Bid Validity, the Authority may request the Bidders to extend the Bid Validity for a specified additional period. The request and the responses thereto shall be made in writing or by email. A Bidder may refuse such a request for extension of Bid Validity. A Bidder agreeing to the request shall not be required or permitted to modify their Bid.

2.16.3 Save and except as provided in this RFP, the Authority shall not entertain any correspondence with any Bidder in relation to acceptance or rejection of any Bid.

2.17 Confidentiality

Information relating to the examination, clarification, evaluation, and recommendation for the Bidders shall not be disclosed to any person who is not officially concerned with the process or is not a retained professional advisor advising the Authority in relation to, or matters arising out of, or concerning the Bidding Process. The Authority shall treat all information, submitted as part of the Bid, in confidence and shall require all those who have access to such material to treat the same in confidence. The Authority may not divulge any such information unless it is directed to do so by any statutory entity that has the power under law to require its disclosure or is to enforce or assert any right or privilege of the statutory entity and/ or the Authority or as may be required by law or in connection with any legal process.

2.18 Correspondence with the Bidder

Save and except as provided in this RFP, the Authority shall not entertain any correspondence with any Bidder in relation to acceptance or rejection of any Bid.

D. Bid Security

2.19 Bid Security

2.19.1 The Bidder shall furnish as part of its Bid, the Bid Security referred to in the Bid Data Sheet hereinabove offline as mentioned in the Bid Data Sheet. Bid Security shall be valid for 45 days beyond the validity of the bid.

2.19.2 In case of failure to pay Bid Security by any Bidder on or before the Bid Due Date, the Bid of such Bidder shall be summarily rejected.

2.19.3 The Bid Security of unsuccessful Bidders shall be returned by the Authority, without any interest, as promptly as possible on acceptance of the Bid of the Selected Bidder or when the Bidding process is cancelled by the Authority.

2.19.4 The Selected Bidder's Bid Security shall be returned, without any interest, upon the signing of the Contract Agreement and furnishing the Performance Security in accordance with the provisions thereof. The Authority may, at the Selected Bidder's option, adjust the amount of the Bid Security in the amount of the Performance Security to be provided by the Bidder in accordance with the provisions of the Contract Agreement.

2.19.5 The Authority shall be entitled to forfeit and appropriate the Bid Security as Damages inter alia in any of the events specified in Clause 2.19.6 herein below. The Bidder, by submitting its Bid pursuant to this RFP, shall be deemed to have acknowledged and confirmed that the Authority shall suffer loss and damage on account of withdrawal of its Bid or for any other default by the Bidder during the period of Bid validity as specified in this RFP. No relaxation of any kind on Bid Security shall be given to any Bidder.

2.19.6 The Bid Security shall be forfeited as Damages without prejudice to any other right or remedy that may be available to the Authority under the Bidding Documents and/ or under the Concession Agreement, or otherwise, if

a. Bidder submits a non-responsive Bid;

b. Bidder engages in a corrupt practice, fraudulent practice, coercive practice, undesirable practice, or restrictive practice as specified in Clause 6 of this RFP;

c. Bidder withdraws its Bid during the period of Bid validity as specified in this RFP and as extended by mutual consent of the respective Bidder(s) and the Authority;

d. the Selected Bidder fails within the specified time limit -

i. to sign and return the duplicate copy of LOA; or

ii. to form an Agreement; or

iii. to sign the Contract Agreement or

iv. to furnish the performance security within the period prescribed in the Contract Agreement.

e. the Bidder having signed the Contract Agreement, commits any breach thereof prior to furnishing the performance security.

E. Bid Opening and Evaluation

2.20 Opening and Evaluation of Technical Bids

2.20.1 The Authority shall open the Technical Bid of only those Bidders whose Technical Bid has been determined to be substantially responsive in accordance with this RFP at the prescribed date and time as specified in the Bid Data Sheet, in the presence of the Bidders who choose to attend. The Technical Bid shall be opened first.

2.20.2 In the event of specified date of Bid opening being declared a holiday for the Authority, the Bid shall be opened at the appointed time and place on the next working day.

2.20.3 The Bidders or their representatives who are present shall sign attendance sheet evidencing their attendance.

2.20.4 The Financial Bid shall not be opened at this stage.

2.20.5 The Authority reserves the right to reject any Bid which is non-responsive and no request for alteration, modification, substitution, or withdrawal shall be entertained by the Authority in respect of such Bid.

2.20.6 The Bid Evaluation Committee shall subsequently examine and evaluate the Bids in accordance with the provisions set out in this Section 3.

2.20.7 To facilitate evaluation of Bids, the Authority/Bid Evaluation Committee may, at its sole discretion, seek clarifications in writing from any Bidder regarding its Bid.

2.20.8 The Bidder shall be required to fulfill the Minimum Eligibility Criteria as set out in this RFP for qualifying for further evaluation of its Bid in terms herein. The Technical Bids which do not meet the Minimum Eligibility Criteria shall be rejected.

2.20.9 In the first stage, the Technical Bid shall be evaluated on the Basis of Bidder's experience i.e., Technical Capacity and Financial Capacity. Only those Bidders who possess the Minimum Eligibility Criteria shall qualify for further consideration. The Bidder who satisfies the Minimum Eligibility Criteria and whose Bid is found to be responsive shall be shortlisted for opening of Financial Bid

2.20.10 Technically qualified Bidders shall be carried forward for Financial Bid Opening and evaluation.

2.21 Test of Responsiveness

2.21.1 Prior to evaluation of Technical Bids, the Authority shall determine whether each Bid is responsive to the requirements of this RFP. A Bid shall be considered responsive if:

(a) it is received as per the format at Appendix–I;

(b) it is received by the Bid Due Date including any extension thereof.

(c) it has deposited the Bid Security as specified in Bid Data Sheet;

(d) it is accompanied by the Power(s) of Attorney as specified in this RFP;

(e) it contains all the information (complete in all respects) as requested in this RFP and/or Bidding Documents (in formats same as those specified);

(f) it does not contain any condition or qualification; and

(g) it is not non-responsive in terms hereof.

2.21.2 The Authority reserves the right to reject any Bid which is non-responsive and no request for alteration, modification, substitution, or withdrawal shall be entertained by the Authority in respect of such Bid. Provided, however, that the Authority may, in its discretion, allow the Bidder to rectify any infirmities or omissions if the same do not constitute a material modification of the Bid.

2.22 Clarification of Bids

2.22.1 To assist in the examination, evaluation and comparison of the Bids, the Authority may, at its discretion, ask any Bidders or authentication and the correctness of the information or details furnished by the Bidder in its Bid. Such request by the Authority and the response by the Bidders shall be in writing or email, but no change in the Bids or substance of the Bid shall be sought, offered, or permitted except as required to confirm the correction to the expert committee for evaluation of the Bids.

2.23 Opening and Evaluation of Financial Bids

2.23.1 The Bid Evaluation Committee shall determine responsiveness of Financial Bid with respect to rate quoted by the Bidders and shall open the Financial Bid of the Qualified Bidders.

2.23.2 A substantially responsive Financial Bid is one which conforms to all the terms, conditions, and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affects in any substantial way the scope, quality, or performance of the services;(ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Authority's right or the Bidder's obligations under the Agreement; or (iii) whose rectification would affect unfairly the competitive position of the Bidders presenting substantially responsive Financial Bids.

2.23.3 If the Financial Bid is not substantially responsive, it shall be rejected by the Authority and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

2.23.4 No Bidders shall contact the Authority on any matter relating to its Bid from the time of Bid opening to time of contract is awarded.

2.23.5 Any efforts by the Bidder to influence the Authority in the Bid evaluation, Bid comparison or contract awarded decisions may result the rejection of such Bids.

F. Award of Contract

2.24 Award Criteria

2.24.1 Subject to the provisions of Clause 2.15.1, the Bidder whose Bid is qualified in terms of Clause 2.2 and obtained Minimum Technical Score as per Clause 6.1, adjudged as responsive in terms of Clause 2.21. In the event that the Authority rejects or annuls all the Bids, it may, in its discretion, invite all eligible Bidders to submit fresh Bids hereunder.

2.24.2 The second ranked Bidder shall be kept in reserve and may be invited for negotiations at Authority's sole discretion in case the first ranked Bidder withdraws its Bid. L2 Bidder shall be awarded the Project at the rate of L1 Bidder and so on subject to final approval of the Authority or the Authority so decide not to call L2 Bidders or annuls all the Bids, it may, in its discretion, initiate a rebidding hereunder for selection of Preferred Bidder for award of the Project.

2.24.3 After selection, a letter of award (the "**LOA"**) shall be issued along with one duplicate, by the Authority to the Preferred Bidder and the Preferred Bidder shall within 15 (fifteen) days of the receipt of the LOA, sign and return the duplicate copy of the LOA in acknowledgement thereof. In the event the duplicate copy of the LOA duly signed by the authorized signatory of the Preferred Bidder is not received by the stipulated date, the Authority may, unless it consents to extension of time for submission thereof, appropriate the Bid Security submitted by the Preferred Bidder with the Authority as loss and damage suffered by the Authority on account of failure of the Preferred Bidder to acknowledge the LOA, and next qualified Bidders may be considered or may annul the Bidding Process and take steps to starts a fresh Bidding Process.

2.24.4 After acknowledgement of the LOA as aforesaid by the Preferred Bidder, it shall cause the Preferred Bidder to execute the Contract Agreement within the period 30 (thirty) days from the issue of LOA. The Agreement will be signed between the Preferred Bidder and NHM. The Preferred Bidder shall not be entitled to seek any deviation, modification, or amendment in the Contract Agreement.

2.25 Performance Security

2.25.1 The Preferred Bidder shall, for the performance of its obligations hereunder during the Contract

Period, in terms of provisions stipulated in the provide to the Authority within 15 (fifteen) days of the date of issuing of LOA, as an irrevocable and unconditional guarantee from a Bank for an amount of 5% of contract value(the "**Performance Security**").

2.25.2 The Performance Security should remain valid for a period of 6 (six) months beyond the date of completion of all contractual obligations as per the provisions of the Agreement.

2.26 Criteria for Evaluation of Bids

2.26.1 Evaluation of Technical Bids

2.26.2 The Technical Bid will be evaluated on the basis of Bidder's experience i.e., technical capability and financial capability.

2.26.3 Only those Bidders whose Bids are found responsive in terms hereof and meets the Minimum Eligibility Criteria specified in Clause 2.2 above shall qualify for evaluation under this Section 3. Bidders whose Technical Bid does not meet the aforesaid qualification criteria shall be rejected.

2.26.4 The Financial Bid shall not be opened at this stage.

2.26.5 The Authority shall subsequently examine and evaluate the Bids in accordance with the provisions set out in this Section 3.

2.26.6 To facilitate evaluation of Bids, the Authority may, at its sole discretion, seek clarifications in writing from any Bidder regarding its Bid.

2.26.7 In the first stage, the Technical Bid shall be evaluated on the Basis of Bidder's experience i.e., Technical Capacity and Financial Capacity. Only those Bidders who possess the Minimum Eligibility Criteria shall qualify for further consideration and shall be awarded Technical Score on the basis of parameter set out in the Clause 6.1 of this RFP.

2.26.8 The scoring criteria to be used for evaluation of Technical Bid shall be as follows. Total marks 100 marks are allotted for Technical Bid evaluation.

Sl No	Criteria	Marks
1	The Bidder has experience in health-related construction and designing works in minimum last three (3) years, prior to the bid submission deadline in private or public sector	a. 03 – 05 years = 10 marks b. > 05-07 years = 12 marks c. > 7 years= 15 marks
2	The Bidder has experience in supply of medical equipment in minimum last three (3) years, prior to the bid submission deadline in private or public sector	d. 03 – 05 years = 10 marks e. > 05-07 years = 12 marks f. > 7 years= 15 marks

3	Average Annual Turnover of the Organization in any three financial years out of last five financial years ending March 2023(In case where audited result for the last preceding financial year is not available, provisional/ unaudited financial statement certified by a practicing Chartered Accountant shall also be considered acceptable.)	a. Rs. 2 crores – Rs.5 crores = 10 marks b. > Rs. 5 crores - Rs.7 crores = 12 marks c. > Rs. 7 crores = 15 marks
4	OEM Authorisation for Equipment	100% =15 80%=10 50%=5 <50%=0
5	A minimum number of two similar contracts (as per scope of work) that have been satisfactorily and substantially completed as a prime contractor, joint venture member, management contractor or sub- contractor in last five years [FY 17-18 to FY 22-23] prior to bid submission	a. Two Projects = 15 marks b. > Two Projects = 20 marks
6	Detailed Project Presentation on the understanding of the assignment, any pre-feasibility assessment conducted on field,design & reorientation plan and execution methodology. *(Marks will be allotted to the bidders on the basis of their presentation to the O/O Mission Director, NHM, and it shall be based on the evaluation of the Department) maximum no of slides should not exceed more than 5 slides with a maximum time allotment of 15 minutes.*	Full Marks – 20 marks
TOTAL		**100**

Note:

a.	In case the vendor applies as a Single Firm – Full marks will be allotted in each category of the evaluation sheet on meeting the eligibility criteria.
b.	In case of Consortium, 5 marks each will be deducted from each category in case the qualification and experience of the joint partner is shown by the Lead Firm.

6.1 Total technical score of the Bidders shall be calculated based on the score adding each score obtained under each of the parameters mentioned herein above. The minimum marks to qualify shall be 75 out of 100 marks (the "Minimum Technical Score"). The Bidders shall be assigned a mark and the Bidder who score 75 and above shall be considered as technically qualified bidder (the "Qualified Bidder").

6.2 Financial bid shall be opened only for the Bidder who obtains 80 and above in technical qualifications as stated above.

6.3 Technically Qualified Bidders shall be carried forward for Financial Bid opening and evaluation.

2.27 Evaluation of Financial Bids

2.27.1 The Financial Bid evaluation shall be carried out as per procedure mentioned here under.

a. In the second stage, the financial evaluation will be carried out as per this Clause 3.2. Each Financial Bid will be assigned a Financial Score (S_F).

b. For financial evaluation, Bidders quoting the lowest Financial Bid ("FM") will be given a Financial Score (S_F) of 100 points. The Financial Score of other Bids will be computed as follows:

$S_F = 100 \times Fm/F;$

(F = amount of Financial Bids of the Bidder)

2.28 Combined and Final Evaluation

a) Bids will finally be ranked according to their combined technical (ST) and financial (SF) scores as follows:

$S = S_T \times T_W + SF \times F_W$

Where S is the combined score, and TW and FW are weights assigned to Technical Bids and Financial Bids that shall be 80% and 20% respectively.

b) The Successful Bidder shall be the first ranked Bidder (having the highest combined score). The second ranked Bidder shall be kept in reserve and may be invited for negotiations in case the first ranked Bidder withdraws, or fails to comply with the requirements specified in Clauses 2.24 hereof.

c) In the event that two or more Bidders score the same marks pursuant to evaluation for a Project Facility in terms herein (the "**Tie Bidders**"), Authority shall identify the selected Successful Bidder by draw of lots, which shall be conducted, with prior notice, in the presence of the Tie Bidders who choose to attend.

d) In the event that the Highest Rank Bidder (H1) withdraws or is not selected for any reason in the first instance, the Authority may invite 2nd Highest Rank Bidder (H2) to match the Price Bid of H1 and Bid Security of H1 shall be liable to be forfeited. However, in case H2 does not accept the offer, its Bid Security is not liable to be forfeited. If no Bidder is selected in the first round of Bidding, the Authority may invite all the remaining Bidders to revalidate

or extend their Bid Security, as necessary and ask the Bidders to match the Bid of H1 (the "**Second Round of Bidding**"). If in the Second Round of Bidding, only one Bidder matches the Highest Bidder, it shall be the Selected Bidder. If two or more Bidders match the said Highest Bidder in the Second Round of Bidding, then the Bidder whose Bid w**a**s higher as compared to other Bidder(s) in the first round of bidding shall be the Selected Bidder. For example, if the third and fifth highest Bidders in the first round of Bidding offer to match the said Highest Bidder in the Second Round of Bidding, the said third highest Bidder shall be the Selected Bidder.

e) In the event that no Bidder offers to match the Highest Bidder in the Second Round of Bidding as specified in Clause 3.3 (d), the Authority may, in its discretion, invite fresh Bids (the "**Third Round of Bidding**") from all Bidders except the Highest Bidder of the first round of bidding, or annul the Bidding Process, as the case may be. In case the Bidders are invited in the Third Round of Bidding to revalidate or extend their Bid Security, as necessary, and offer fresh Bids, they shall be eligible for submission of fresh Bids.

6. Fraud and Corrupt Practices

6.1. The Bidder and their respective partners, officers, employees, agents, Selected Bidder and advisers shall observe the highest standard of ethics during the Bidding Process and Contractual Period. Notwithstanding anything to the contrary contained herein, the Authority shall reject a Bid/terminate the Contract Agreement without being liable in any manner whatsoever to the Bidder/ the Contractor if it determines that the Bidder has directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice, or restrictive practice in the Bidding Process and during the Contract Period.

6.2. Furthermore, the Bidder/Selected Bidder/Contractor shall not be eligible to participate in any Bidding Process for any other project of the Authority for a period of three (3) years from the date such Bidder, as the case may be, is found by the Authority to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice and the Bidder/ Selected Bidder/Contractor shall be blacklisted for three (3) years

6.3. For the purposes of this section, the following terms shall have the meaning hereinafter respectively assigned to them:

6.3.1. **"corrupt practice"** means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence the actions of any persons connected with the Bidding Process for or on behalf of the Authority;

6.3.2. **"coercive practice"** means impairing or harming or threatening to impair or harm, directly or indirectly, any person or the property of that person to influence improperly the actions of a person involved in the Bidding Process;

6.3.3. **"collusive practice"** means an arrangement between two or more persons involved in the Bidding Process designed to achieve an improper purpose, including influencing improperly the actions of another person;

6.3.4. **"fraudulent practice"** means any act or omission including a misrepresentation that knowingly or recklessly misleads or attempts to mislead a person involved in the Bidding Process to obtain a financial or other benefit or to avoid an obligation;

6.3.5. **"obstructive practice"** means (i) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or (ii) acts intended to materially impede the exercise of the inspection and audit rights of the Authority, or financier/s of the Project including any development partner of the financier/s.

6.3.6. **"restrictive practice"** means forming a cartel or arriving at any understanding or arrangement among the Bidders with the objective of restricting or manipulating a full and fair competition in the Bidding Process; and

6.3.7. **"undesirable practice"** means (i) establishing contact with any person connected with or employed or engaged by the Authority with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Bidding Process; or (ii) having a Conflict of Interest.

6.4. Necessary action shall be taken against the Bidder for any corrupt practice, fraudulent practice, coercive practice, undesirable practice, or restrictive practice, under applicable laws.

7. Pre-Bid Meeting and Site Visit

10.1 The Bidders are invited to attend a pre-bid meeting (the "**Pre-Bid Meeting**") which shall take place at NHM Office, Laitumkhrah, Shillong or online as mentioned in Bid Data Sheet or at a place notified in the official website prior to the meeting, as per schedule mentioned in Bid Data Sheet of this RFP.

10.2 A maximum of two representatives of each Bidder shall be allowed to participate in the Pre- Bid Meeting.

10.3 In case of the Pre-Bid Meeting is held on virtual platform, the Authority shall provide virtual link before the Pre-Bid Meeting.

10.4 During the course of Pre-Bid Meeting, the Bidders shall be free to seek clarifications and make suggestions for consideration of the Authority. The Authority shall endeavour to provide clarifications and such further information as it may, in its sole discretion, consider appropriate for facilitating a fair, transparent, and competitive Bidding Process.

10.5 There shall be a site visit to be organized for Bidders based on the confirmation received from potential Bidders.

Appendix I

Annexure I: Checklist of documents submitted with the Technical Bid

(The bidder is expected to fill on the Reference page no the page number as per submission)

S. N	Document	Submitted	Refer page no
1.	Earnest Money Deposit (EMD)		
2.	Annexure I: Checklist of Documents submitted with the Technical Bid		
3.	Annexure II: Letter Comprising the Bid		
4.	Annexure III: Details of the Bidder		
5.	Annexure-IV- Financial Capacity of the Bidder		
6.	Annexure V: Statement of Legal Capacity		
7.	Annexure VI: Format of Power of Attorney for Signing of the Bid		
8.	Annexure VII: Format of Power of Attorney for the Lead Member of the Consortium		
9.	Annexure VIII: Undertaking of compliance		
10.	Annexure IX: Undertaking regarding use of qualified human resources		
11.	Copy of Registration Details of the Bidder and Copy of Memorandum & Article of Association (if applicable)		
12.	Copy of audited Balance Sheet/Income & Expenditure/P&L accounts statements for last five financial years with supporting document		
13.	The previous work orders/contracts executed by claiming the experience		
14.	Self-attested copies of income tax return/income tax clearance certificate for last three financial years		
15.	Self-attested photo copy of PAN no of the Bidder.		

16.	Self-attested photo copy of GST Registration Certificate		

Annexure II: Letter Comprising the Bid

Dated:

To,
Secretary to Department of Health & Family Welfare
Mission Director, National Health Mission
Project Director, Meghalaya Health Systems Strengthening Project
Government of Meghalaya

Sub: **Submission of Proposal for** Re-Designing, Constructing and Equipping First Referral Unit (FRUs) At 5 Health Facilities in Meghalaya

Dear Sir/Ma'am,

1. With reference to your RFP no…… dated……. I/We having examined all the relevant documents and understood their contents and hereby submit our Proposal
2. This proposal is unconditional and unqualified.
3. I/We acknowledge that the Authority shall be relying on the information provided in the Proposal and the documents accompanying the Proposal for selection of the private/local partner/contractor/agency, and in this regard, we certify that all information provided in the Proposal and in the Annexure is true and correct, nothing has been omitted which renders such information misleading; and all documents accompanying such Proposal are true copies of their respective originals.
4. This statement is made for the express purpose of appointment as the proposed partner for the aforesaid subject.
5. I/We shall make available to the Authority any additional information it may deem necessary or require for supplementing or authenticating the Proposal.
6. I/We acknowledge the right of the Authority to reject our application without assigning any reason or otherwise and hereby waive our right to challenge the same on any account whatsoever.
7. I/We certify that in the last three years, we or any of our Associates have neither failed to perform any contract, as evidenced by imposition of a penalty by an arbitral or judicial authority or a judicial pronouncement or arbitration award against the Bidder.
8. I/We declare that:
    (a) I/We have examined and have no reservations to the Tender Documents, including any Addendum issued by the Authority;
    (b) I/We do not have any conflict of interest in accordance with Clause 2.1.8 of the RFP;
    (c) I/We have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, as defined in Section 4 of the Bidding Document, in respect of any tender or request for proposal issued by or any agreement entered into with the Authorities or any other public sector enterprise or any government, Central or State; and

(d) I/We hereby certify that we have taken steps to ensure that in conformity with the provisions of Section 4 of the RFP, no person acting for us or on our behalf shall engage in any corrupt practice, fraudulent practice, coercive practice, undesirable practice, or restrictive practice.

9. I/We understand that you may cancel the selection process at any point of time and that you are neither bound to accept any Proposal that you may receive nor to select the Selected Bidder, without incurring any liability to the Bidders in accordance with Clause 2.15 of the Tender Document.
10. I/We declare that we are not a member or associate or entity of any other Bidder applying for selection as the Selected Bidder.
11. I/We certify that in regard to matters other than security and integrity of the country, we or any of our Associates have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which would cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.
12. I/We further certify that in regard to matters relating to security and integrity of the country, we have not been charge-sheeted by any agency of the Government or convicted by a Court of Law for any offence committed by us or by any of our Associates.
13. I/We hereby irrevocably waive any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Authority and/ or the Government of India in connection with the selection of the Selected Bidder or in connection with the selection process itself in respect of the subject line.
14. I/We agree and understand that the Proposal subject to the provisions of the Tender Document. In no case, shall I/we have any claim or right of whatsoever nature if the Project is not awarded to me/us or our Proposal is not opened or rejected.
15. I/We agree to keep this offer valid for 120 (One twenty) days from the Bid Due Date specified in the RFP.
16. A Power of Attorney in favour of the authorized signatory to sign and submit this Bid and documents is attached herewith.
17. In the event of my/our firm being selected as the Selected Bidder, I/we agree and undertake to provide the services in accordance with the provisions of the RFP.
18. I/We have studied the RFP and all other documents carefully. We understand that except to the extent as expressly set forth in the concession Agreement, we shall have no claim, right or title arising out of any documents or information provided to us by the Authority or in respect of any matter arising out of or concerning or relating to the selection process including the award of the Project.
19. The Technical Proposal read with the Financial Proposal shall constitute the Final Proposal which shall be binding on us.
20. I/We agree and undertake to abide by all the terms and conditions of the Tender Document.

In witness thereof, I/we submit this Final Proposal under and in accordance with the terms of the Tender Document.

Yours faithfully,

(Signature, name, and designation of the authorized signatory)
(Name and seal of the Bidder)

Date:
Place:

Annexure III: Details of the Bidder

1. Details of the Bidder:

Sl. No.	Name of the Bidder	
1	Constitution of the Bidder (e.g., public limited/privatelimited/partnership/, proprietorship etc.)	
2	Nature of business/activities of the Bidder	
3	Date of incorporation and/ or commencement of business	
4	Registered Address of the Bidders/Lead Member of the Consortium	
5	Head Office Address	
7	PAN details	
8	GST details	
9	Name, designation of top management of the Bidder	
10	Name, designation, and contact details of the authorized person	Name: Designation: Company: Mobile Number: Email Id:
11	Details of individual(s) who shall serve as the point of contact/ communication for the Authority:	Name: Designation: Company: Address: Mobile Number: Email Id:

2. Brief description of the Company including details of its main lines of business and proposed role and responsibilities in this Project:

3. In case of a Consortium:

a. The information above (1-2) should be provided for all the members of the Consortium.

b. A copy of the Joint Bidding Agreement, as envisaged in the RFP should be attached to the Proposal.

Authorized Signature

(Signature, name, and designation of the authorized signatory)

(Name and seal of the Bidder)

Note: The Bidder shall be required to attach copy of its registration/incorporation documents in support of its constitution

Annexure IV: Financial Capacity of the Bidder

(To be forwarded on the letterhead of the Statutory Auditor)

(In Rs. Crore)

S. No.	Entity	Annual Turnover (Rs. In Cr)				
		FY 2022-23	**FY 2021-22**	**FY 2020-21**	**FY 2019-20**	**FY 2018-19**
1.						
Average Annual Turnover						

Certificate from the Statutory Auditor

This is to certify that .....(name of the Bidder) is having highest average Annual turnover of Rs …….Crores (Rupees …… Crores only) for any 3 Financial Years (FY…., FY…..and FY…….) out last five Financial Years starting FY 2018-19 up to FY 2022-23.

Name of Authorized Signatory:

Designation:

Name of Entity:

(Signature of the Authorized Signatory)

Seal of the Entity

Instructions:

1. The Bidder shall attach copies of the balance sheets, financial statements, and Annual Reports for 5 (five) years preceding the Bid Due Date.
2. The financial statements shall include the following:
   a. Bidder needs to fill the Average Annual Turnover for preceding five financial years.
   b. reflect the financial situation of the Bidder and its Associates where the Bidder is relying on its Associate's financials.
   c. be audited by a statutory auditor; Bidder to provide copy of the last 5 years Audited Financial Statement
   d. be complete, including all notes to the financial statements; and
   e. correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted)
   f. In case bidder is a consortium, all the members of the consortium bidders shall need to submit auditor certificate along with last five years annual audited certificate.

Annexure V: Statement of Legal Capacity

(To be forwarded on the letterhead of the Bidder/Lead Member of Consortium)

Dated:

To,
Secretary to Department of Health & Family Welfare
Mission Director, National Health Mission
Project Director, Meghalaya Health Systems Strengthening Project
Government of Meghalaya

Sub: **Submission of Proposal for** Re-Designing, Constructing and Equipping First Referral Unit (FRUs) At 5 Health Facilities in Meghalaya

Dear Sir/Ma'am,

We hereby confirm that we satisfy the terms and conditions laid out in the RFP.

We have agreed that_____(insert individual's name) shall act as our representative and has been duly authorized to submit the RFP. Further, the authorized signatory is vested with requisite powers to furnish such letter and authenticate the same.

Thanking you,

Yours faithfully,

For and on behalf of

Authorized signatory

Annexure- VI: Power of Attorney for signing of Bid

(To be submitted on a Non-judicial Stamp Paper of Rs. 100/ and Notarized)

Know all men by these presents, We_____(name of the firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorize Mr./ Ms (name),_____son/daughter/wife of_____ _____and presently residing at_____, who is [presently employed with us and holding the position of_____], as our true and lawful attorney (hereinafter referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our Bid for the Re-designing, Constructing and Equipping 5 Health Facilities into fully functioning FRUs in Meghalaya **(**the **"Project"**) proposed or being developed by the National Health Mission, Government of West Meghalaya (the **"Authority"**) including but not limited to signing and submission of all applications/proposals, bids and other documents and writings, participate in Pre-Bid and other conferences and providing information/ responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts including the Concession Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the Authority in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Concession Agreement.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds, and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

IN WITNESS WHEREOF WE,_____, THE ABOVE NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF _____, 2023.

For ----------

(Signature)

(Name, Title, and Address)

Witness:

1.

2.

Accepted

(Signature)

(Name, Title, and Address of the Attorney)

[Notarized]

Notes:

- *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure*.
- *Also, wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a resolution/ power of attorney in favor of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.*
- *For a Power of Attorney executed and issued overseas, the document shall also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued.*

Annexure- VII: Power of Attorney for Lead Member of Consortium

(To be submitted on a Non-judicial Stamp Paper of Rs. 100/ and Notarized)

Whereas National Health Mission, Government of West Meghalaya (the "**Authority"**) has invited Bids from interested parties for Re-designing, Constructing and Equipping 5 Health Facilities into fully functioning FRUs in Meghalaya **(the "Project")**

Whereas, _____, _____,and _____(collectively the **"Consortium"**) being Members of the Consortium are interested in bidding for the Project in accordance with the terms and conditions of the Request for Proposal document (RFP), and other connected documents in respect of the Project, and

Whereas, it is necessary for the Members of the Consortium to designate one of them as the Lead Member with all necessary power and authority to do for and on behalf of the Consortium, all acts, deeds and things as may be necessary in connection with the Consortium's bid for the Project and its execution.

NOW THEREFORE KNOW ALL MEN BY THESE PRESENTS

We,_____having our registered office at_____, M/s. _____having our registered office at_____, M/s. _____having our registered office at _____, and_____having our registered office at_____, [the respective names and addresses of the registered office] (hereinafter collectively referred to as the "**Principals"**) do hereby irrevocably designate, nominate, constitute, appoint and authorize M/S_____having its registered office at_____, being one of the Members of the Consortium, as the Lead Member and true and lawful attorney of the Consortium (hereinafter referred to as the **"Attorney"**). We hereby irrevocably authorize the Attorney (with power to sub-delegate in writing) to conduct all business for and on behalf of the Consortium and any one of us during the bidding process and, in the event the Consortium is awarded the project, during the execution of the Project and in this regard, to do on our behalf and on behalf of the Consortium, all or any of such acts, deeds or things as are necessary or required or incidental to the Bid of the Consortium and submission of its bid for the Project, including but not limited to signing and submission of all applications, bids and other documents and writings, participate in bidders and other conferences, respond to queries, submit information/documents, sign and execute contracts and undertakings consequent to acceptance of bid of the Consortium and generally to represent the Consortium in all its dealings with the Authority., and/ or any other Government Agency or any person, in all matters in connection with or relating to or arising out of the Consortium's bid for the Project and/ or upon award thereof till the Concession Agreement is entered into with the Authority.

AND hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds, and things done by our

said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us/ Consortium.

IN WITNESS WHEREOF WE THE PRINCIPALS ABOVE NAMED HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF 2023

For_____(Signature)

(Name and Title)

For_____(Signature)

(Name and Title)

Witnesses:

1

2

(Executants) (To be executed by all the Members of the Consortium)

Notes:

- *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure*.
- *Also, wherever required, the Bidder should submit for verification the extract of the charter documents and documents such as a resolution/ power of attorney in favor of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.*
- *For a Power of Attorney executed and issued overseas, the document shall also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued.*

Annexure VIII-Undertaking of compliance

Format of undertaking regarding compliance with terms of this Bid Documents
[On letterhead of the Bidder]

To,
Secretary to Department of Health & Family Welfare
Mission Director, National Health Mission
Project Director, Meghalaya Health Systems Strengthening Project
Government of Meghalaya

Sub: Undertaking regarding compliance with Terms of the Bid Documents

Dear Sir,

I, [insert name] designated as [insert title] at [insert location] of [insert name of Bidder] and being the authorized signatory of the Bidder, do hereby declare and undertake that we have read the Bid Documents for Award of Contract for the "**Re-Designing, Constructing and Equipping First Referral Unit (FRUs) At 5 Health Facilities in Meghalaya**"

We hereby undertake and explicitly agree that if we are selected as the Selected Bidder, we shall adhere to and comply with the terms of the Scheme as set out in the Bid Documents.

Dated this day of …..2023

[Signature]
In the capacity of _____

[Position]

Duly authorized to sign this Bid for and on behalf of ____

[Name of Bidder]

Annexure IX-Undertaking regarding use of qualified human resources

[On letterhead of the Bidder]

To,
Secretary to Department of Health & Family Welfare
Mission Director, National Health Mission
Project Director, Meghalaya Health Systems Strengthening Project
Government of Meghalaya

Sub: **Undertaking Regarding use of qualified human resources for the Project "Re-Designing, Constructing and Equipping First Referral Unit (FRUs) At 5 Health Facilities in Meghalaya**

Dear Sir,

I, [insert name] designated as [insert title] at [insert location] of [insert name of Bidder] and being the authorized signatory of the Bidder, do hereby declare and undertake that we have read the Tender Documents for award of Contract for the "**Re-Designing, Constructing and Equipping First Referral Unit (FRUs) At 5 Health Facilities in Meghalaya"**

We hereby undertake and explicitly agree that if we are selected as the Selected Bidder, we shall only appoint qualified manpower inorder to meet the criteria specified in the Bid Documents and as per the applicable rules.

Dated this day of_____2023.

_____

[Signature]

Appendix II: Financial Bid Format

Form I: Covering Letter for Financial Bid

(To be submitted on letterhead of the applicant)

Dated:

To,
Secretary to Department of Health & Family Welfare
Mission Director, National Health Mission
Project Director, Meghalaya Health Systems Strengthening Project
Government of Meghalaya

Sub: **Submission of Proposal for** Re-Designing, Constructing and Equipping First Referral Unit (FRUs) At 5 Health Facilities in Meghalaya

Dear Sir/Ma'am,

I/ We, the undersigned, offer to provide the services for the above project in accordance with RFP dated _____our Financial Bid (is mentioned in the Bill of Quantity (BOQ).

(Signature, name, and designation of the authorized signatory) (Name and seal of the Bidder)
Date:
Place:

8. Abstract Bill of Quantities

Price Schedule

Sl. No	Description of Items	Amount in INR (in figures)	Amount in INR (words)	Detailed BoQ of Civil works attached. (Y/N) Refer page no
1	**Resubelpara CHC** ● **Civil Works-**			
	● **Equipment-**			
2	**Mawphlang CHC** ● **Civil Works-**			
	● **Equipment-**			
3	**Ranikor CHC** ● **Civil Works-**			
	● **Equipment-**			
4	**Bhoirymbong CHC** ● **Civil Works-**			
	● **Equipment-**			
5	**Pynursla CHC** ● **Civil Works-**			
	● **Equipment-**			
	TOTAL			

9. Milestones & Deliverables

Sl no	Deliverables	Payment on deliverables	Time for Deliverables
1	Submission of Detailed report of Assessment of all sites (Including Design, planning)	10%	Within 10 days of signing the contract
2	Completion of 30% of Civil Works	15%	Within 1 month of signing the contract
3	Completion of 60% of Civil works	20%	Within 1.5 months of signing the contract
4	Completion of 100% of civil Works (including all electrical works and installation of GenSet (if applicable))	25%	Within 2.5 Months of signing the contract
5	Completion of supply and installation of medical equipment (including Training)	30%	Within 3 months of the contract period.
	TOTAL	**100%**	

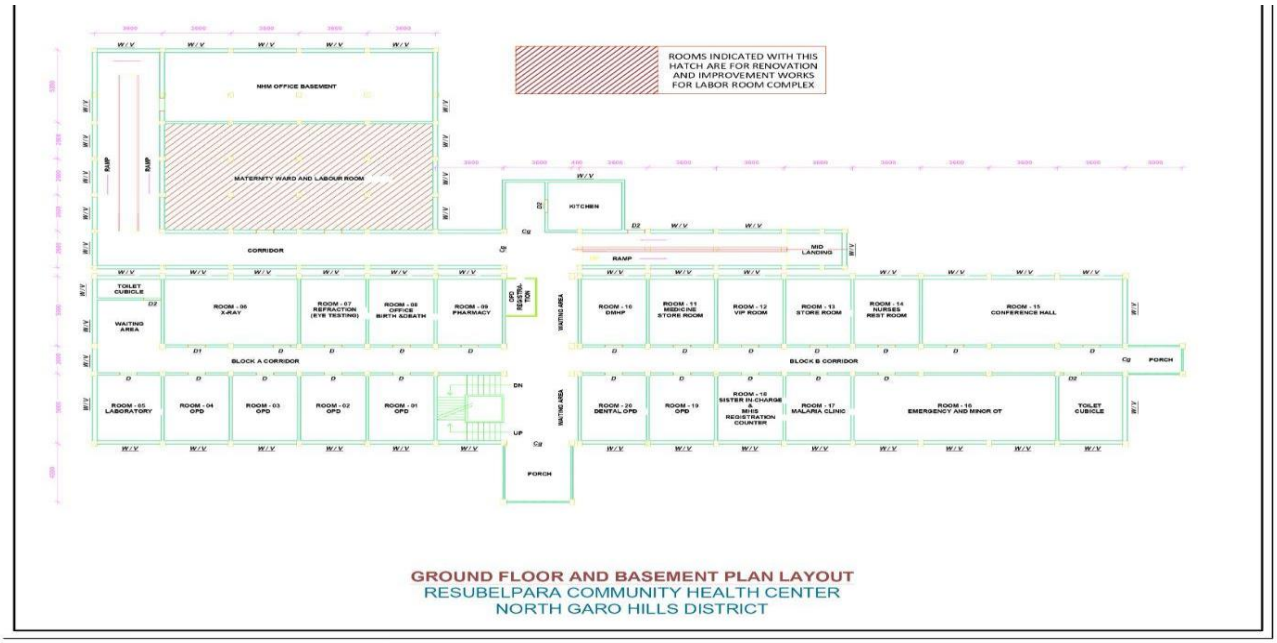
Detail Bill of Quantities

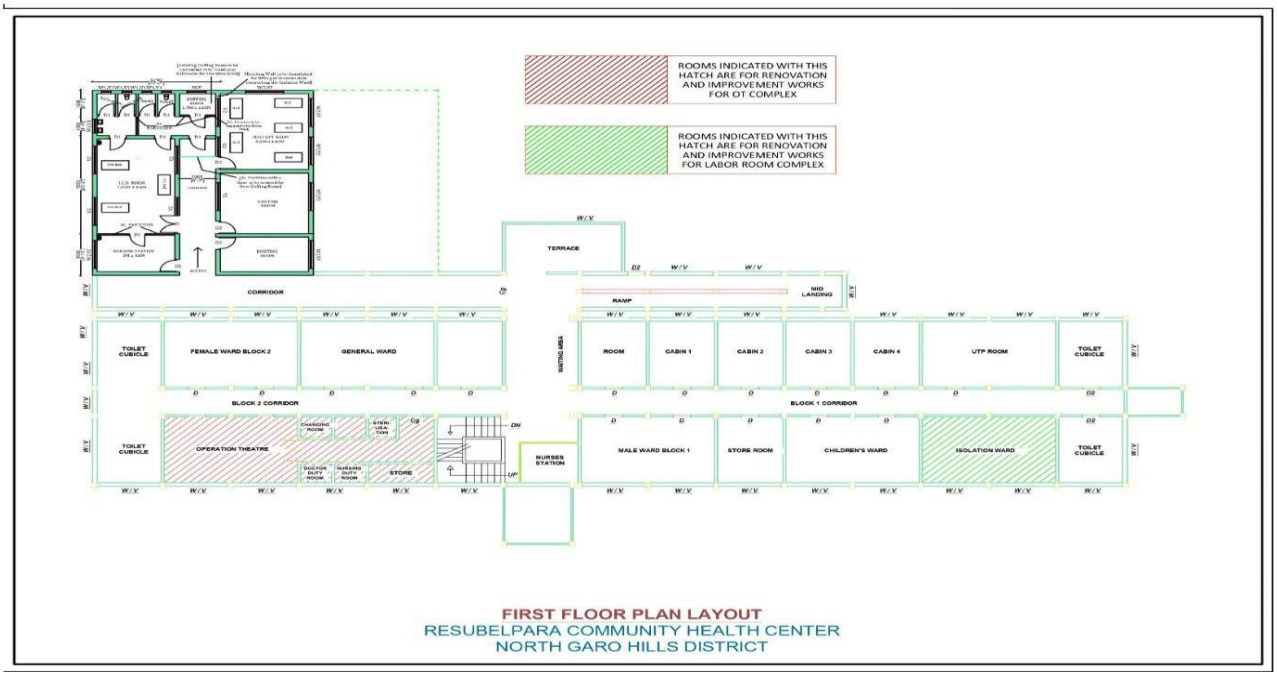
SN/ Item No as per SoR	Description of Items (With brief Specification and reference to book of specification)	Quantity	Unit	Rate in INR (In figure)	Amount in INR (In figure)
1/00					

*The Bidders may add the number of rows as required.

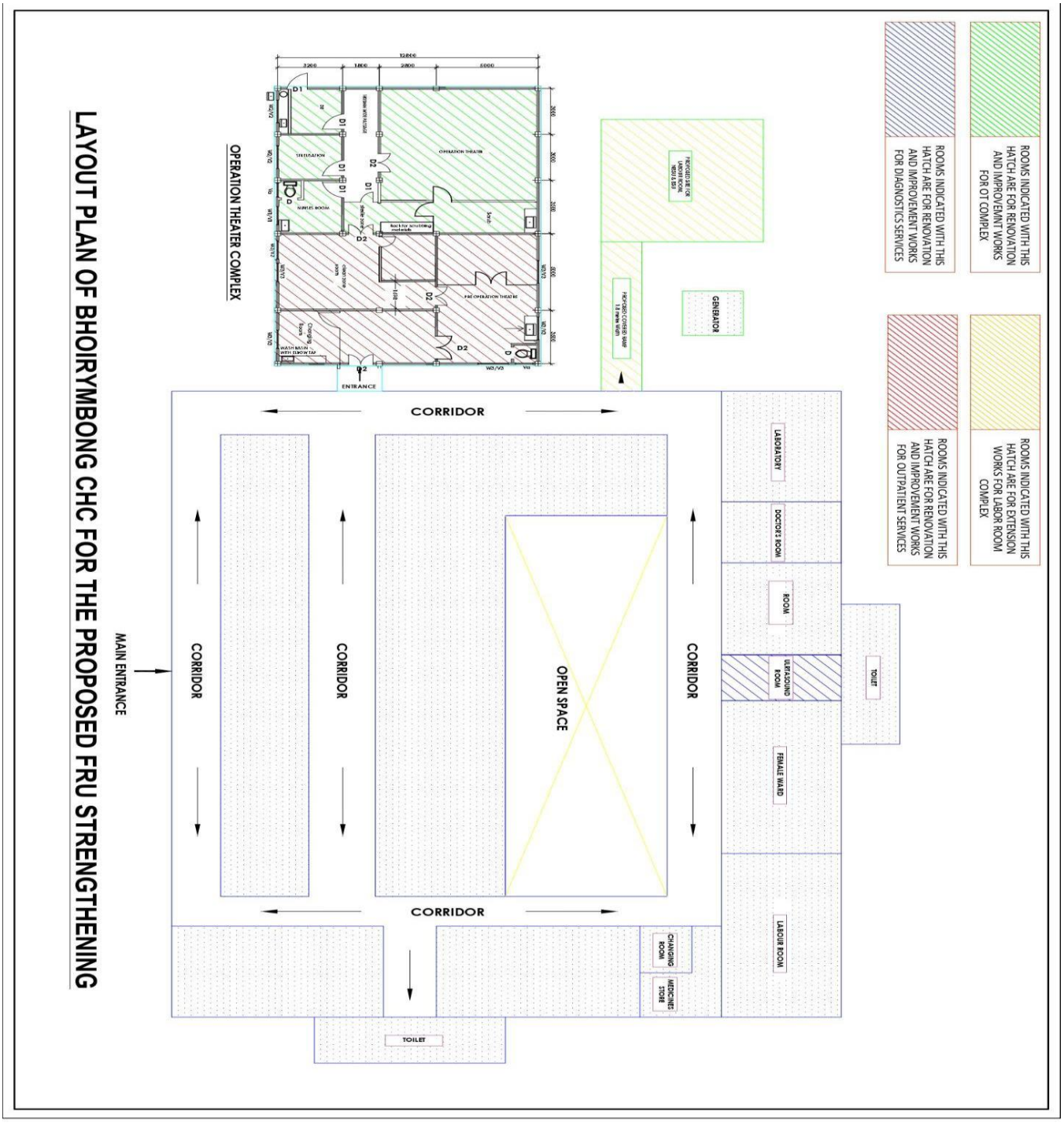
10.INFORMATION & DRAWINGS (CLICK LINK TO ACCESS DRAWINGS)

District	Health Facility Name	Labour room	Maternity ward	Operation Theater	Post operative ward	Blood Bank/ BSU
NGH	Resubelpara CHC	Functional LR	Functional Maternity Ward	Existing but Non Functional	Redesigning + Renovation	Required New Construction + Redesigning

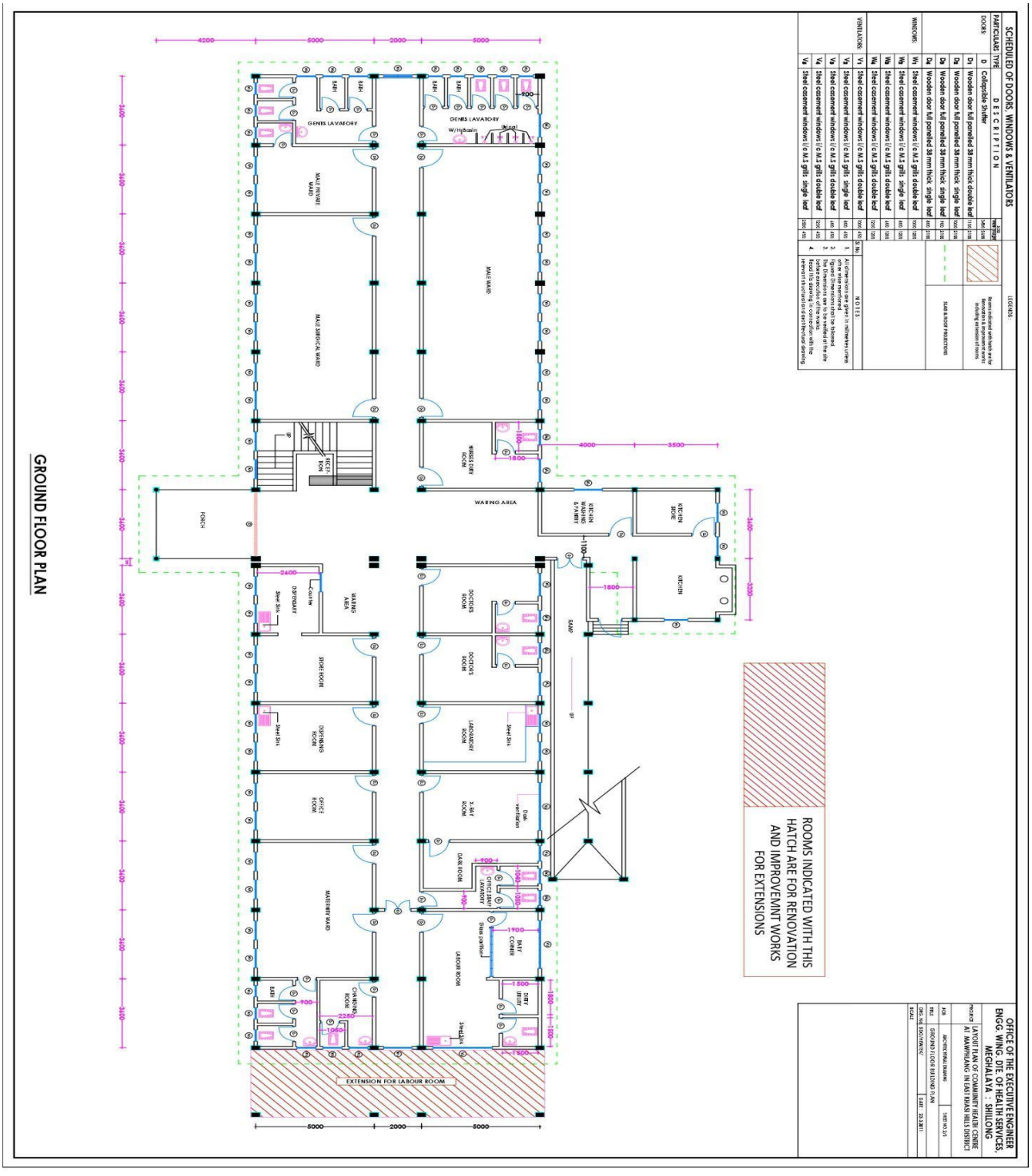


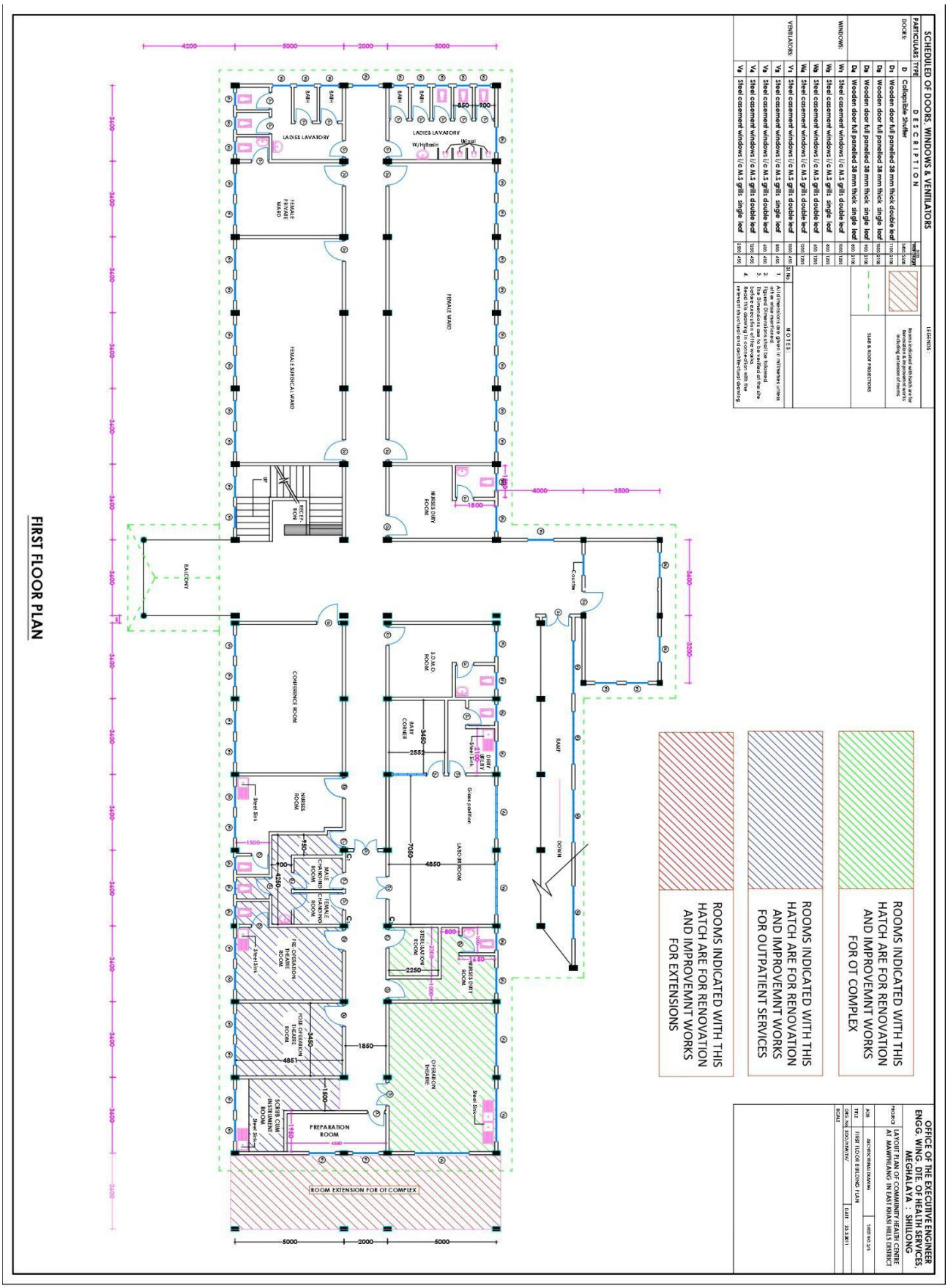


District	Health Facility Name	Labour room	Maternity ward	Operation Theater	Post operative ward	Blood Bank/ BSU
RB	BHOIRYMBONG CHC	Functional LR - needs to be shifted near new OT	Functional MW (Currently postnatal and anti natal combined)	Minor Redesigning & Construction	Available (New Construction)	Required Redesigning + Minor Renovation

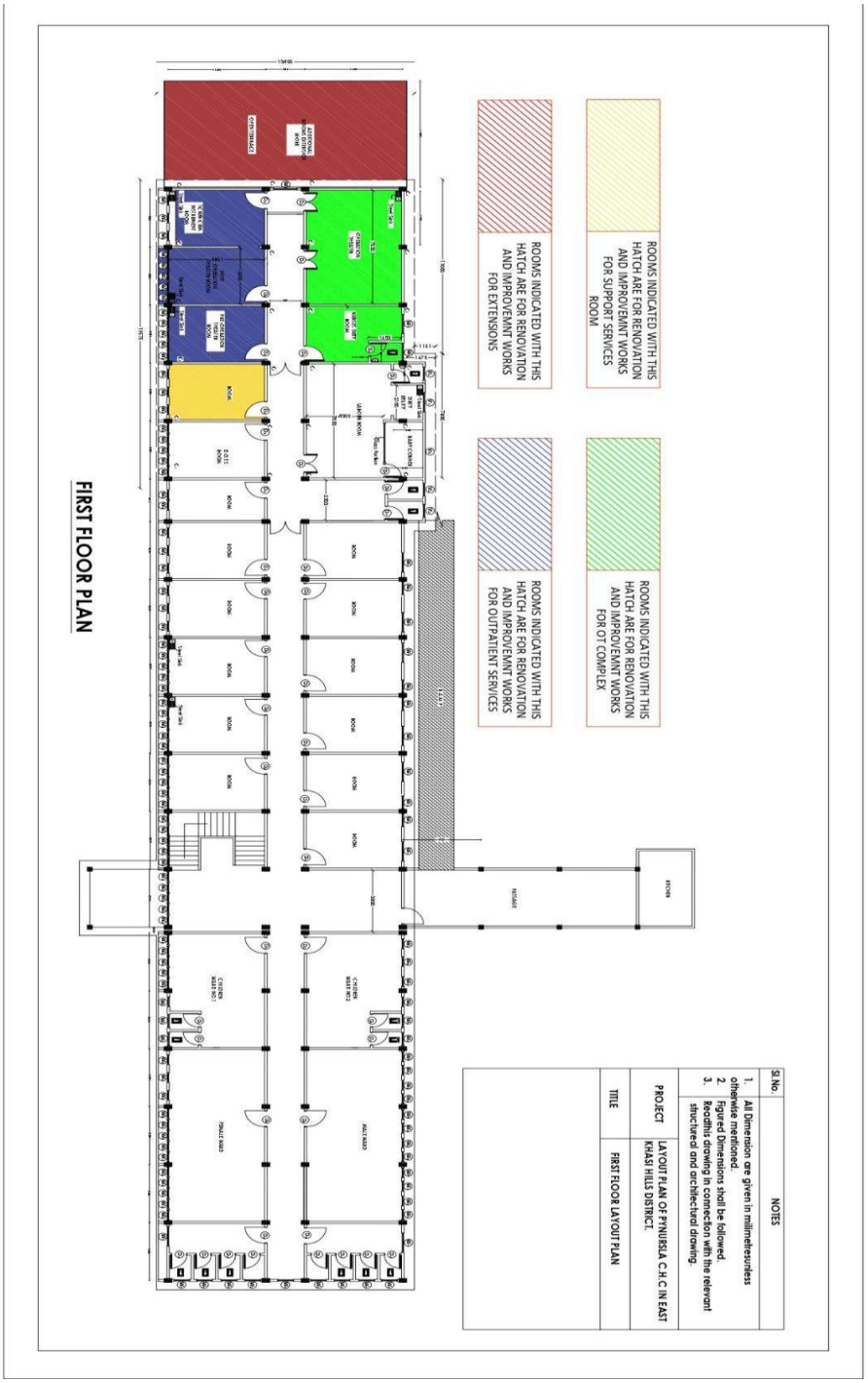


District	Health Facility Name	Labour room	Maternity ward	Operation Theater	Post operative ward	Blood Bank/ BSU
EKH	Mawphlang CHC	Functional LR	Functional but Required Extension	Not functional, Required Redesigning & Renovation	Redesigning + Renovation	Required New Construction + Redesigning

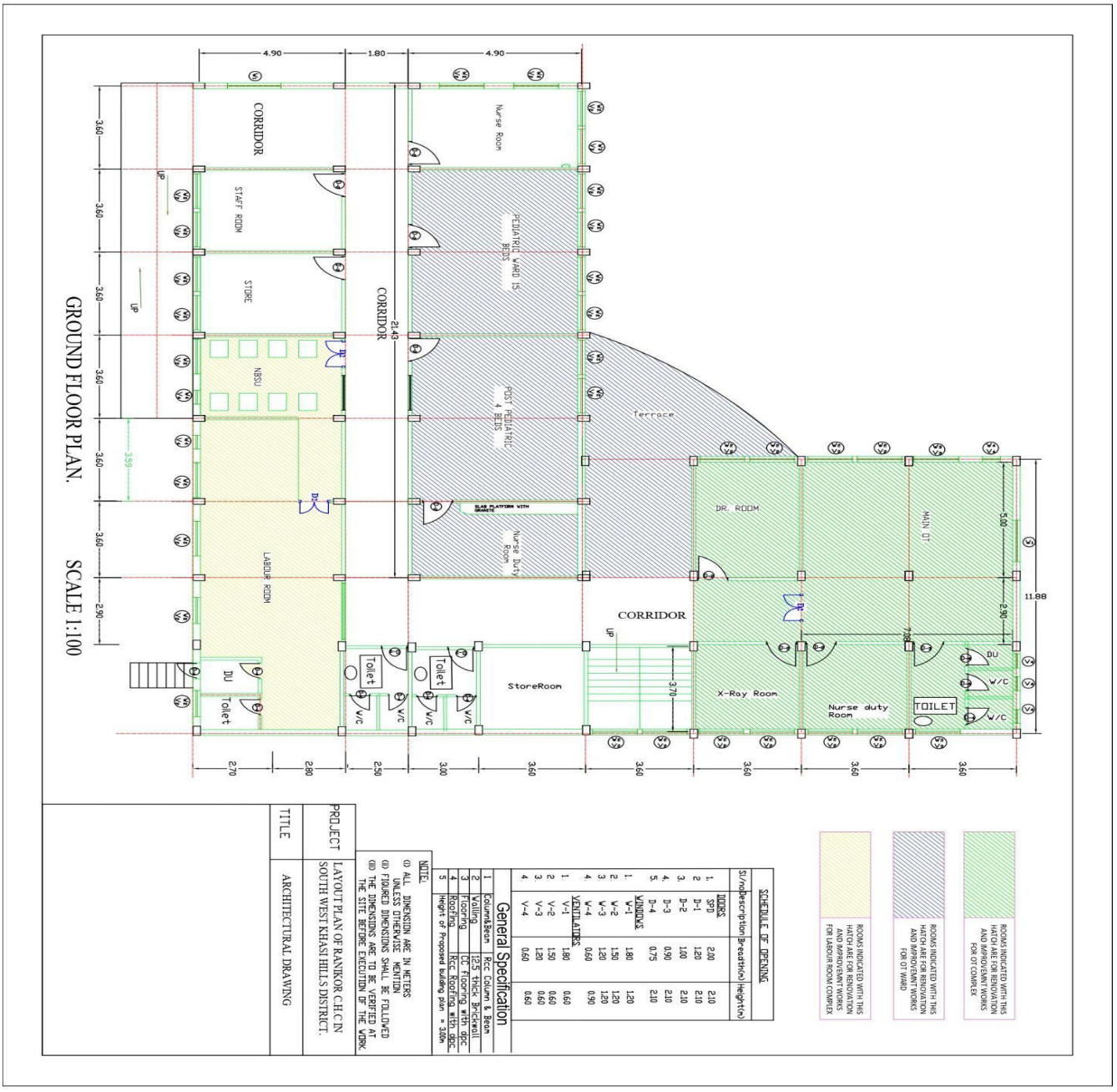


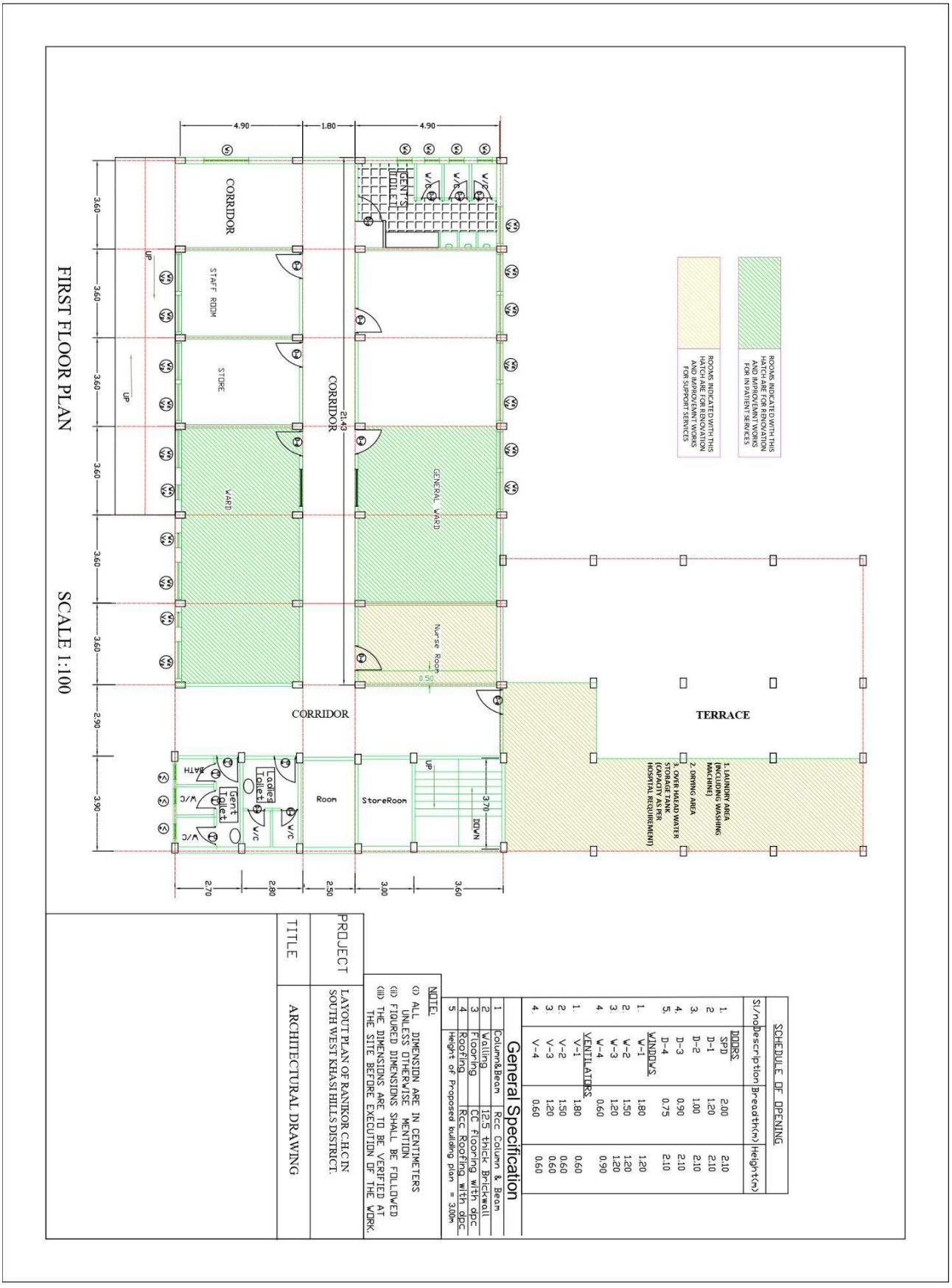

SCHEDULED OF DOORS, WINDOWS & VENTILATORS
PARTICULARS
TYPE
DESCRIPTION
SIZE
DOORS:
D Collapsible Shutter
D1 Wooden door full panelled 38 mm thick double leaf
D2 Wooden door full panelled 38 mm thick single leaf
D3 Wooden door full panelled 38 mm thick single leaf
D4 Wooden door full panelled 38 mm thick single leaf
WINDOWS:
W1 Steel casement windows i/c M.S grills double leaf
W2 Steel casement windows i/c M.S grills single leaf
W3 Steel casement windows i/c M.S grills double leaf
W4 Steel casement windows i/c M.S grills double leaf
W5 Steel casement windows i/c M.S grills double leaf
VENTILATORS:
V1 Steel casement windows i/c M.S grills double leaf
V2 Steel casement windows i/c M.S grills single leaf
V3 Steel casement windows i/c M.S grills double leaf
V4 Steel casement windows i/c M.S grills double leaf
V5 Steel casement windows i/c M.S grills single leaf
LEGENDS :
SLAB & ROOF PROJECTIONS
NOTES :
Sl No
1.
2.
3.
4.
FIRST FLOOR PLAN
LADIES LAVATORY
FEMALE WARD
FEMALE SURGICAL WARD
BALCONY
COURTYARD
RAMP
DOWN
CONFERENCE ROOM
LABOUR ROOM
PREPARATION ROOM
ROOM EXTENSION FOR OT COMPLEX
ROOMS INDICATED WITH THIS HATCH ARE FOR RENOVATION AND IMPROVEMNT WORKS FOR OT COMPLEX
ROOMS INDICATED WITH THIS HATCH ARE FOR RENOVATION AND IMPROVEMNT WORKS FOR OUTPATIENT SERVICES
ROOMS INDICATED WITH THIS HATCH ARE FOR RENOVATION AND IMPROVEMNT WORKS FOR EXTENSIONS
OFFICE OF THE EXECUTIVE ENGINEER
ENGG. WING, DTE. OF HEALTH SERVICES,
MEGHALAYA : SHILLONG
PROJECT
LAYOUT PLAN OF COMMUNITY HEALTH CENTRE
AT MAWPHLANG IN EAST KHASI HILLS DISTRICT
ARCHITECTURAL DRAWING
SHEET NO. 2/5
FIRST FLOOR BUILDING PLAN
DATE : 23.3.2011

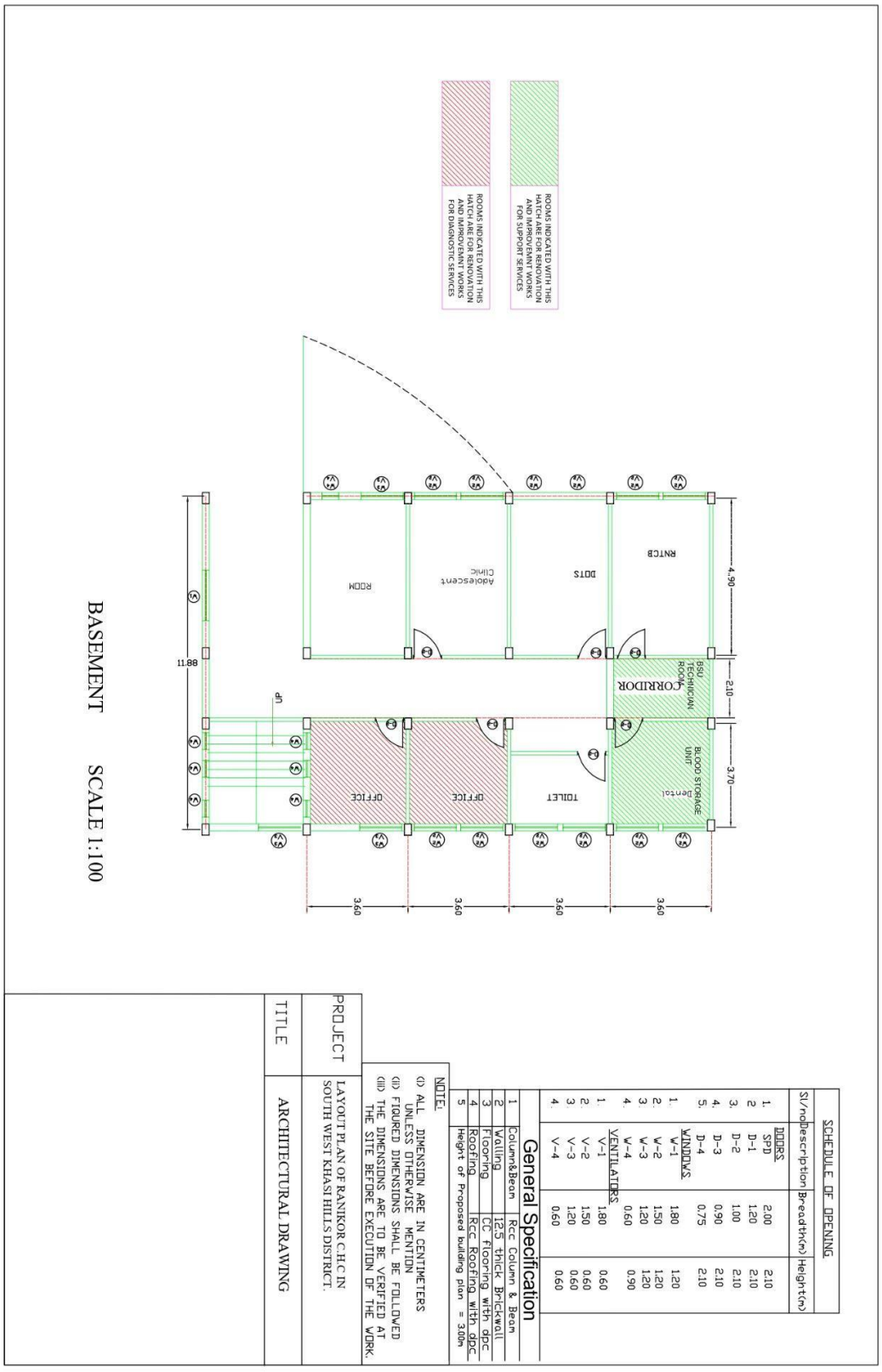
District	Health Facility Name	Labour room	Maternity ward	Operation Theater	Post operative ward	Blood Bank/ BSU
EKH	Pynursala CHC	Functional but required renovation	Required Redesign + Renovation	Available but not functional, Redesigning	Required New Construction + Redesigning	Required Redesign + Renovation



District	Health Facility Name	Labour room	Maternity ward	Operation Theater	Post operative ward	Blood Bank/ BSU
SWKH	Ranikor CHC	Redesign & Renovation	Functional, Required extension for ANC and PNC	New Construction Required	Required New Construction + Redesigning	Required New Construction + Redesigning




FIRST FLOOR PLAN
SCALE 1:100
ROOMS INDICATED WITH THIS HATCH ARE FOR RENOVATION AND IMPROVEMENT WORKS FOR IN PATIENT SERVICES
ROOMS INDICATED WITH THIS HATCH ARE FOR RENOVATION AND IMPROVEMENT WORKS FOR SUPPORT SERVICES
CORRIDOR
STAFF ROOM
STORE
WARD
GENERAL WARD
Nurse Room
Ladies Toilet
Gent's Toilet
BATH
W/C
Gent Toilet
Room
StoreRoom
UP
DOWN
TERRACE
1. LAUNDRY AREA (INCLUDING WASHING MACHINE)
2. DRYING AREA
3. OVER HEAD WATER STORAGE TANK (CAPACITY AS PER HOSPITAL REQUIREMENT)
SCHEDULE OF OPENING
Sl/no Description Breadth(m) Height(m)
DOORS
1. SPD 2.00 2.10
2. D-1 1.20 2.10
3. D-2 1.00 2.10
4. D-3 0.90 2.10
5. D-4 0.75 2.10
WINDOWS
1. W-1 1.80 1.20
2. W-2 1.50 1.20
3. W-3 1.20 1.20
4. W-4 0.60 0.90
VENTILATORS
1. V-1 1.80 0.60
2. V-2 1.50 0.60
3. V-3 1.20 0.60
4. V-4 0.60 0.60
General Specification
1 Column&Beam Rcc Column & Beam
2 Walling 12.5 thick Brickwall
3 Flooring CC Flooring with apc
4 Roofing Rcc Roofing with apc
5 Height of Proposed building plan = 3.00m
NOTE:
(i) ALL DIMENSION ARE IN CENTIMETERS UNLESS OTHERWISE MENTION
(ii) FIGURED DIMENSIONS SHALL BE FOLLOWED
(iii) THE DIMENSIONS ARE TO BE VERIFIED AT THE SITE BEFORE EXECUTION OF THE WORK.
PROJECT
LAYOUT PLAN OF RANIKOR C.H.C IN SOUTH WEST KHASI HILLS DISTRICT.
TITLE
ARCHITECTURAL DRAWING



BASEMENT SCALE 1:100

SCHEDULE OF OPENING

Sl/no	Description	Breadth(m)	Height(m)
	DOORS		
1.	SPD	2.00	2.10
2.	D-1	1.20	2.10
3.	D-2	1.00	2.10
4.	D-3	0.90	2.10
5.	D-4	0.75	2.10
	WINDOWS		
1.	W-1	1.80	1.20
2.	W-2	1.50	1.20
3.	W-3	1.20	1.20
4.	W-4	0.60	0.90
	VENTILATORS		
1.	V-1	1.80	0.60
2.	V-2	1.50	0.60
3.	V-3	1.20	0.60
4.	V-4	0.60	0.60

General Specification

1	Column&Beam	Rcc Column & Beam
2	Walling	12.5 thick Brickwall
3	Flooring	CC Flooring with apc
4	Roofing	Rcc Roofing with apc
5	Height of Proposed building plan	= 3.00m

NOTE:

(i) ALL DIMENSION ARE IN CENTIMETERS UNLESS OTHERWISE MENTION

(ii) FIGURED DIMENSIONS SHALL BE FOLLOWED

(iii) THE DIMENSIONS ARE TO BE VERIFIED AT THE SITE BEFORE EXECUTION OF THE WORK.

PROJECT: LAYOUT PLAN OF RANIKOR C.H.C IN SOUTH WEST KHASI HILLS DISTRICT.

TITLE: ARCHITECTURAL DRAWING

11.MINIMUM LIST OF MEDICAL EQUIPMENT REQUIRED FOR OPERATION THEATRE

SL. NO	PRODUCT NAME	
1	**ULTRA SOUND MACHINE WITH 3 PROBE**	
	1. USE:	
	CLINICAL PURPOSE:	Doppler ultrasonography is a non-invasive diagnostic procedure that Changes sound waves into an image that can be viewed on a monitor. An ultrasonic technique for detecting anatomic details by colour coding of velocity shifts. In cardiography blood flowing in one direction appears red, and blood flowing in the opposite direction appears blue. The technique can also indicate the velocity of red blood corpuscles moving through the Circulatory system, which makes it possible to quantify the flow, measure the pressures within the heart chambers, and calculate the stroke volume. In laparoscopy, Doppler colour flow allows for rapid identification and differentiation of ducts and valves in the viscera, particularly in detection and diagnosis of pancreatic and liver tumours and colorectal liver metastases.
	2. TECHNICAL CHARACTERISTICS	
	The system should be state art with full Digital Technology & should be capable of whole body sonography & other application for adult & pediatrics which includes abdominal, Obs/Gyn, Endovascular, Peripheral vascular, trans-cranial, trans-vaginal, trans-rectal & small parts. 1) The system should incorporate facility for high resolution 2D, 3D, M mode, PW colour imaging, Power Doppler Angio-Imaging Modes. 2) The system should have more than 20000 Digital Channels & on the site to higher number of channels (preferable). 3) The system should have 256 Grey shade or more. 4) The system should have capability of triplex display in real time with all probes. 5) The system should have a very high frame rate of 700 frames per second or more. Please specify frame rate in triplex mode. 6) The system should have Harmonic imaging for hard to image patients. The system shall support Tissue Harmonic Imaging capability on phased, linear, 3D and curved array transducers. 7) The system should have advance image processing algorithms to analyze between targets & artefacts so as to sharpen target anatomy, reduce the sparkle & artefacts to improve image quality. 8) The system shall offer Harmonic Imaging in Power Doppler Imaging mode for improved sensitivity and specificity in differentiating blood/ agent from tissue. 9) The system should have facility for Zoom(Real-time and Frozen-image) & manipulation of image through pre-processing and post-processing with cine loop viewing image of all modes. 10) System should have disc of at least 500 GB or more. 11) The system should have facility of digital storage & retrieval of B/W & colour image data(Both frozen & cine loops) on built in as well as ramble media (CD, DVD)USB port. 12) The system should have automatic real time quantification of Doppler parameter like velocity, frequency, time heart rate stop, flow volume, plasticity index, resistivity index, peak velocity, average value, point value, area & diameter flow volume etc. 13) The system should have high dynamic range of 170 dB with scanning depth of 30 cm or more.	

	14) All transducers(minimum 3) should be broad bandwidth, Frequency range 2 to 12 MHz or more with universal ports for transducer interchange. Two active ports and one parking probe is required. 15) System should have 19" HD display with tilt and swivel Facility along with alphanumeric keyboard with illuminating keys and status function. 16) Dicom 3.0 compatible. 17) Review of stored images is desirable. 18) USER'S INTERFACE: Software, Automatic (stages to be displayed or recordable for printing). 19) SOFTWARE AND/OR STANDARD OFCOMMUNICATION (WHERE EVER REQUIRED). 20) It should have support all application like abdomen, Cardiology, OB/GYN, MSK, Vascular, small parts, pediatric, TCD, urology, Breast, Intra opetrative. **It should have support all Imaging Modes like** **a. B** **b. THI/PHI** **c. LINEAR ANATOMICAL M MODE** **d. CURVED ANATOMICAL M MODE** **e. COLOR M** **f. CFM** **g. DPDI** **h. PW** **i. CW** **j. TDI** **k. TDI+PW** **l. TDI+M** 22) It should have imaging features Compound Imaging LGC TISSUE SPECIFIC INDEX 23) It should have all auto mode like PW auto trace Auto IMT Auto NT Auto EF Auto Bladder Auto B line Auto pleural Line Auto OB. 24) Somoy special features SCR-zoom HPRF B mode panoramic Colour Panoramic Vis-Needle Contrast imaging with TIC MFI MFI time Mix mode in contrast Freehand 3D Advance 3d/4d option(like S-Live, S-Live Silhouette, S-Depth, Auto Face, AVC follicle, Freevue Stress echo, GLS ECG. 25) It should have minimum 21.5 inch Medical grade monitor and 13.3 inch highly sensitive touch panel. 26) It should have backlight keyboard Minimum 4 probe port. 27) It should have auto optimization in all modes. 28) Probes should be broadband width Covex 1 to 7 MHz TVS 3 to 15 MHz Linear 4-16 MHz(P11 Elite) 29) It should have Modern AI features S-Fetus (Automatically identify and classify the fetal biometry structure just like a human brain and takes 98% accurate measurements).
2.	**OPERATING TABLE**	
	SPECIFICATION:	i. Hydraulic and Mechanical Operated. ii. The base is eccentric for trouble-free C-ARM movements. iii. Leg & Head section are interchangeable.
	TECHNICAL SPECIFICATION:	i. Table Type Fully Electric. ii. Height Adjustable Range 762 mm to 1012 mm. iii. Trendelenburg 30 Degree. iv. Max Patient Load 175kgs. v. Table Length 1905 mm. vi. Table Width 533 mm. vii. Kidney Elevator 150 mm. viii. Back Rest UP : 80 degree / Down : 25 degree.

		ix.	Leg Rest UP : 15 degree / Down : 90 degree.
		x.	Head Rest Up Down UP : 20 degree / Down : 60 degree
		xi.	Trendelenburg Reverse 25 degree.
		xii.	Lateral Tilt 20 Degree / 20 Degree.
3	**OT LIGHT**		
	SPECIFICATION:	i.	The operating light designed for the use in high demanding surgical procedures.
		ii.	State of the art LED Bulbs used to ensure low energy consumption and long service life.
		iii.	Light head is resistant to disinfectant, easy to clean.
		iv.	Digital controller with LCD display for showing all important parameter like intensity, on/off.
		v.	Excellent day light quality and CRI.
		vi.	Microcomputer digital control with shifts luminance 10%-100% for selection.
		vii.	Precise positioning at all points of articulation without drift.
		viii.	Flexible and stable balance arms suspension system for height and angle.
		ix.	Ability to adjust the focus dia by sterilize handle.
		x.	High light intensity across the full illuminated area for uniform vision & exceptionally deep cavity
	TECHNICAL SPECIFICATION	i.	Light Intensity @ 1 mt: 2,00,000 Lux
		ii.	Number of LED's: 54 + 54
		iii.	Life-Span of LED's: 50,000 hrs.
		iv.	Focus Dia: 15-25 cm
		v.	Light Head Size 52.5 cm.
		vi.	Depth of Illumination 100 cm
		vii.	Color Rendering Index Ra (1): 92.
		viii.	Illuminating Adjustment: 10% - 100 %
		ix.	Height Adjustment: 120 cm
		x.	Total Power Consumption: 50 W
		xi.	Control Unit: SMPS
		xii.	Power Supply: 160V-240V DC, 50Hz
4	**ANAESTHESIA MACHINE**		
	SPECIFICATION:	i.	With CE certificate, meets EU clinical safety requirement.
		ii.	Large 8.4" LCD color touchscreen, monitoring of waveforms and parameters in different colors.
		iii.	IPPV, Pressure, and SIMV modes can easily meet clinical requirements.
		iv.	6-tubes of flowmeters for 3-gas sources and suitable for various operation requirements
		v.	Spirometry loops, for easier interpretation of ventilation effectiveness.
		vi.	Optional multi-gas monitoring provides more reference for anesthesia.
		vii.	Optional AGSS provides more protection.

	TECHNICAL SPECIFICATION	i. Physical & Environmental Specification ● Dimensions(HxWxD): 1356x845x620mm ● Weight: 110kg (basic Unit) ● Storage Temperature: 20-55°C ● Working temperature: 10-40°C ● Storage humidity: <93% ii. Electrical Specifications ● Mains: AC 100-240V, 50/60 Hz ● Battery: DC 24 V, minimum 120min ● Mains outlet: 3 (1.5 A individual) iii. Pneumatic Specifications ● Gas supply: 0.28~0.6 MPa ● Flowmeters: O2: 0~1 L/min; 1~10 L/min N2O: 0~1 L/min; 1~10 L/min Air: 0~1 L/min; 1~12 L/min ● Gas system: Oxygen supply failure protection ● O2 flush: 25~75 L/min ● Working mode: Closed, Semi-closed, Semi-open ● Driven mode: Pneumatically driven and electronically controlled ● Safety valve: ≤10 kPa ● Operating mode: One key Man. / Vent. Swich ● Cylinder yokes: Optional iv. Ventilator Specifications ● Patient type: Adult, Pediatric ● Ventilation modes: IPPV, PLV, SIMV, Spont (with apnea backup),Manual, Standby. ● Setting: Touchscreen and Navigator knob ● Tidal volume: 20~1500 ml ● Ventilation frequency: 2~100 bpm ● I:E ratio: 4:1~1:8 ● PEEP: 0~30 cmH2O (optional) ● Inspiratory plateau: OFF, 5%~60% ● Flow trigger: 1~15 L/min ● Pressure trigger: -20~0 cmH2O ● Pressure range: 5~70 cmH2O ● Monitoring display: Pressure: Ppeak, Pplat, Pmean, PEEPVolumes: MV, VtFreq.Compliance Gas: O2, CO2, Agent (all optional). ● Graph display: P-t, F-t waveforms, P-V, F-V loops ● Alarm: Audible and Visual alarms, High/Low Airway Pressure, High/Low Minute Volume, High/Low FiO2 (when FiO2 function is enabled), Power failure, O2 Supply failure, Apnea, ● Alarm Silence: ≤120 s v. Vaporizer ● Supports 2 vaporizers (Selectatec® with interlock, optionalstandby vaporizer parking holder)

		● Agent type: Halothane, Enflurane, Isoflurane, Sevoflurane. ● Filling type: Pour-fill, Key-fill, Quik-fil®.
5	**SCRUB STATION TWO BAY**	
	SPECIFICATION:	● Four side enclosed by 1.6mm SS Sheet ● Available water operation Infrared /hand free controls ● Foot ,Knee and elbow operated push panels in case of sensor/ power failure ● Drainage at the middle ● Overall size :1800-2500mm L x 600-700mm W x 900-1100mm H ● Finished with Glossy Polish
6	**VACUUM EXTRACTION MACHINE**	
	SPECIFICATION:	● MEDISIL VACUUM EXTRACTION CUP SILICONE CUP 63MM (GREY) SILICONE TUBE. ● MEDISIL VACUUM EXTRACTION CUP SILICONE CUP 60MM (PINK) SILICONE TUBE. ● MEDISIL VACUUM EXTRACTION CUP SILICONE CUP 55MM (GREEN) SILICONE TUBE. ● BIRDS MODIFIED STAINLESS STEEL METAL CUP 50MM WITH TRACTION HANDLE(OP CUP) ● BIRDS MODIFIED STAINLESS STEEL METAL CUP 50MM WITH TRACTION HANDLE(OA CUP) ● MEDISIL BIRDS PLASTIC CUP 50MM ● CAESAREAN AID CUP(LIGHT BLUE) FOR HIGH FLOATING HEAD IN THE C SECTION.
7	**BOYLES APPARATUS WITH TAG BAR**	
	SPECIFICATION:	● MS POWDER COATED. ● STAINLESS STEEL TABLE TOPTRAY. ● MODIFIED MONITORINGACCESSORIES TRAY. ● 125mm BREAKING CASTERWHEEL. ● HIGH EFFICIENCY FORGEDREGULAR & YOKES WITH SS FITTING 1 NO EACH. ● OXY LOCKED NO2 SUPPLY ● OXY FAILURE WARNING DEVICE ● CHANGE OVER MECHANISMWITH OXY FLUSH (OPEN & CLOSED CIRCUIT) ● OXYGEN & NITROUS OXIDE GASINLET POINT 2 EACH. ● STANDARD BEN CIRCUIT. 230mm LONG FOR o2 & N2Orotometer
8	**CARDIAC MONITOR**	

	SPECIFICATION:	• ECG, NIBP, SPO2, RESP AND 2-TEMP PARAMETERS • 12.1" High Resolution TftColor Display • Adult, Pediatric And Neonatal Monitoring • Arrhythmia Detection And Alarm Facility • 20 Days Graphical And Tabular Trends Storage • Drug Dose Calculation And Titration Table • Night Mode Facility • 5 Days Wave Review • Standard, Large Font, Trends, Oxycrg And 7 Lead Ecg Display • Color Coded Audio-Visual And Voice Alarms • Pace Detection • Real Time St Segment Analysis • Electrocautery And Defibrillator Protected • Networking Capability • Wireless Cms Connectivity Through Wifi* • Dual Channel Ibp Monitoring * • Sidestream And Mainstream Capnography * • Android Compatible Cms *
9	**ECG MACHINE**	
	SPECIFICATION:	• 12 lead simultaneous acquisition • Graphical Colored TFT upto 3.5 inch for Real time ECG monitoring • Measurements and Interpretation • Full alphanumeric keypad • Paper out Indication • Multiple Printing options • Isolation protection against defibrillation • 50 patients memory storage • USB storage (optional) • Direct A4 ECG Printing (optional) • PC connectivity (optional)
10	**SYRING INFUSION PUMP**	
	SPECIFICATION:	● **POWER SUPPLY:** AC220V TO 240V 50Hz ● **BATTERY:**12V Ni-MH BATTERY ● **BATTERY BACKUP:** 10hrs@5ml.hrFLOW RATE ON 50ML SYRINGE ● **POWER CONSUMPTION:** 7VA ● **INFUSED VOLUME:** 0.1-999.9ml ● **BOLUS:** PURGE BOLUS & AUTO BOLUS. ● **AUTOMATIC SYRINGE DETECTOR:** AVALABLE ● **WEIGHT:**1.75 KG ● **SPACE OCCUPIED:**2.2 LTRS ● **DISPLAY:** FOUR 7 SEGMENT DISPLAY. ● **DIMENSION:**170 X 107 X 135(LXBXH)
11	**INFUSION PUMP**	
	SPECIFICATION:	● **POWER SUPPLY**-AC220V to 240V 50Hz. ● **BATTERY BACKUP**-4hrs@8drop/min or 25ml/hr (auto power saving mode). ● **POWER CONSUMPTION**-10VA (W). ● **PUMPING MECHANISM**-Linear Peristaltic. ● **DROP SENSORS**-External. ● **AIR IN LINE DETECTOR**-Internal. ● **DISPLAY**-LCD and 7 Segment LED Display free flow protection.

		● **BATTERY TYPE-**Rechargeable Ni-Cd, Built in & standard. ● **ACCURACY-** +/-5%. ● **WEIGHT-**2.8Kg. ● **HOUSING-**ABS Plastic
12	**NEBULIZER MACHINE**	
	SPECIFICATION:	● IDEAL FOR ALL AGES. ● PISTON TYPE. ● EFFECTIVE MEDICATION. ● ONE-BUTTON OPERATION. ● EASY TO CARRY HANDLE.
13	**CTG MACHINE**	
	SPECIFICATION:	● Triple Monitoring screen layouts available. ● Adjustable screen angle for optimal viewing in various mouting settings. ● Maternal non-invasive blood pressure. ● Maternal pluseoximetry ● Audible alert of fetalbradycardia and tachycardia for early warning of changes in fetal condition. ● Smooth transducers increase patient comfort and are waterproof for easy cleaning. ● Combined toco and ECG transducer for intrapartum use reduces cable clutter.
14	**NON-INVASIVE BILIRUBIN METER**	
	SPECIFICATION:	● Reduces the need for Total Blood Bilirubin and the number of sticks in the baby's heel, by providing an accurate bedside measurement. ● Only requires a single measurement per test. ● Less sensitive to motion artifacts& measurement di-erences based on user technique. ● LEDs do not deteriorate over time eliminating the requirement for routine device calibration. ● Reduces number of blood tests via heel puncture. ● Can use just one measurement or average 2–3 measurements ● Can be used with or without entering baby's ID. ● Large & clear display for easy use ● Resistive touch screen can be used with or without gloves. ● Menu-driven user interface minimizes training needs, facilitating use by multiple caregivers ● Memory up to 40 measurements saves time in transcribing and comparing results. ● Option to enter both patient and user identication facilitates hospital audits and quality assurance. ● Barcode scanner for quick and accurate entry of caregiver and baby identication. ● Repeatability tests conrm reliable results

15	**BABY WARMER**	
	SPECIFICATION:	● Microprocessor Based Control. ● Dual Probe : Skin/Air ● 3 Modes Of Operating: Baby/Air/Manual. ● Temperature Range 20°C To 40°C With 0.1°C Resolution. ● Manual Mode With Adjustable Heater Output. ● Heater Output: 20 To 100% In Increments Of 20%. ● Three Levels Safety Cut Off, Built On "Baby Fully Safe" Principle. ● Sensor-Heater-Power Failure Alarm ● 3 Side Collapsible Acrylic Walls. ● Rotatable Heater Box ● Feather Touch Keys. ● Power Requirement 220v / 50 Hz. ● Led Observation Bulb. ● Monitor Tray &Iv Stand. ● Rigid Castir Wheels:2+2 (2 Brake) ● Body In Mild Steel/Powder Coated. ● High/Low Temperature From Set Temperature. ● Baby Cradle Head Up/Down With Mattress. ● Dedicated Display For Set Temperature, Baby/Air Temperature & Heater Output. ● Ceramic Infrared Heater Enclosed In Stainless Parabolic Reflector
16	**PHOTOTHERAPY**	
	SPECIFICATION:	● POWER RATING-: ~ 230V / 50Hz/70VA Max ● Fuse: F1AL/250V ● Light Source: 24 Blue LED, 3 White LED ● Wavelength: 450 to 465 nm narrow band ● Irradiance: >45 µW/cm²/nm at a distance of 30cm ● Irradiance Adjustment: Low & High setting ● Effective Surface Area: 60 cm X 50 cm (3000 cm) ● Uniformity ratio: >0.4 ● Lamp Usages Hours: >20,000 hrs ● Height Adjustability: 110-160 cm from the Door ● Light Source Tilting: -90°C to +90°C (180°) continuous Stabilization period: 0.5 Hour
17	**DIATHERMY**	
		● IT HAS FOUR MONOPOLAR CUTTING MODES AND TWO MONOPOLAR COAGULATION MODES. ● IT ALSO HAS BIPOLAR CUT (ENDO CUT) AND BIPOLAR COAG MODE. ● IT IS USER FRIENDLY AND HA MAXIMUM SAFETY FEATURES FOR THE DOCTORS AS WELL AS FOR THE PATIENT. ● A RESSY MONITORING SYSTEM OF THE PATIENT PLATE FAULT (PPF) IS SALIENT FEATURE OF THIS EQUIPMENT. ● IT DOESN'T PRODUCE ANY SORT OF NEURO MUSCULAR STIMULATION WHILE OPERATING AT ANY SETTING

18	**HORIZONTAL HPHV FULLY AUTOMATIC AND MANUAL OVERRIDE (DOUBLE DOOR CYLINDRICAL STEAMSTERILIZER 20" X 48")**	• ***SIZE:*** *500mm(Ø)x1200mm(L) or (20"x48") (250 litres/4drum capacity).* • ***Chamber:*** *SS 316 L (thickness: -5 MM)* • ***Jacket:*** *SS 304 L (Thickness: -4MM)* • ***Door:*** *SS 316 L (Thickness:-16MM) Plates on contact & Non-contact Sides* • ***Hinge:*** *SS* • ***Central Locking Parts:*** *Cl casting, Wrinkle-black painted* • ***Shooting Bolts:*** *Tempered, Chrome coated* • ***Outer Insulation:*** *SS 304* • ***Operating Pressure:*** *2.5kg/cm²* • ***Hydraulic test pressure:*** *4.0kg/cm²* • ***Operating temperature:*** *121/134°C/bowie-dick Cycle* • ***Stand:*** *SS pipe* • ***Operation:*** *Auto/manual.* • ***Steam Generator:*** *SS 304 L (40 litre)* • ***Heating:*** 2 Industrial immersion heaters of 6Kw each • ***Vacuum Pump: 1 H.P make ABB/Cromption*** • ***Hardware : PLC & HMI***

UPS/INVERTER FOR OPERTATION THEATRE

Sl No	Name of the item & Category	5kVA UPS system with inbuilt isolation transformer 60 mins backup, Power conditioning equipment
1	**Uses**	An uninterruptible power source with high frequency PWM technology, Double Conversion On Line, solid neutral, Rated Power 5kVA- 5000 W for uninterrupted power during power cuts. It can be connected to one or more external cabinets containing valve-regulated, hermetically sealed accumulator batteries. The architecture of this UPS means it can be installed in Tower configuration. It also contain an inbuilt isolation transformer of 10kVA for load safety. UPS shall be capable of integrated parallel operation up to N+4.
2	**Technical Charecterstics**	
2.1	General Features	5kVA-5KW IGBT based inverter and ractifier On-Line Double Conversion VFI-SS-111, waveform Sinusoidal, tower mount UPS
2.2	Input	
	Input voltage	230 V
	Input frequency	50-60 HZ Autosensing (Range 40-70Hz)
	Input Voltage Range	180V-295V on full load, 115V on 60% load
	THD Input current	< 5% @ Full Load
	Input power factor	≥ 0.99 @ full Load
2.3	Output	
	Output voltage	230V ±1% (default), 220/240V also available can be set from LCD panel.
	Output frequency (nominal)	50/60 Hz(Auto sensing or can be set from the LCD panel for converter mode)
	Crest Factor	3:1

	THD Output voltage	<3% for linear and <5% for non linear
	Output Voltage Tolerance	±1%
	Efficiency AC-AC mode	≥86%
	Efficiency ECO mode	≥98%
2.4	Batteries	
	Backup time Expansion	Yes
	Number of batteries	20 battaries
	Battery series Type/ Voltage	VRLA / TUBULAR – 12V
	Charger	4A (1/2/4A selectable)
2.5	Display	
	Indications LCD	Input & Output Voltage/ Frequency, Bypass: Voltage & Frequency, Remaining time & Battery Level Indicator, Load Level indicator, Fault codes, Estimated or running autonomy time, UPS alarm enable or disable, Overload, Short circuit,Low Battery
	Indications LED	Input normal, Input fail, Load on battery, Battery low/high & Fault / warning
	Fault Indications	Bus start fail, Bus over & under, Inverter soft start failure, Inverter voltage high& low, Inverter output overload, short, Battery voltage high & low, charger output short, over temperature, overload, charger failure, battery open, over charge,EPO enable
3	**Physical Charecterstics**	
	Cabinet	The UPS shall be housed in multiple freestanding cabinets with dead front construction. The mechanical structure of the UPS shall be sufficiently strong and rigid to withstand handling and installation operations. The sheet metal elements in the structure shall be protected against corrosion by powder coating.
	Measurements W x D x H (mm)	260 x 692 x 844
	Net Weight (kg)	72.5 kG
4	**Energy source**	Single phase AC source (Transformer/DG Set)
5	**Accssessories**	Rack for batteries and connecting cables to connect the batteries
	Spare parts,consumables	Spare parts,consumables should be available for next 5 years from the date of procurmernt i.e UPS offerd should not be end of life material for next 5 years
6	**Environmental conditions**	
	Operating temperature(°C)	0 to 40 °C
	Degree of protection	IP20
	Relative humidity (%)	0÷95 % non-condensing
	Noise level at 1 m (dBA)	50 dB at 1 meter
7	**Safety and standard**	
	Safety	EN 62040-1: 2019, - Part 1: General and safety requirements for UPS
	EMI / EMC	IEC 62040-2: 2008, - Part 2: Electromagnetic compatibility (EMC) requirements
	Performance	IEC 62040-3, "Uninterruptible Power Systems - Method of Specifying the Performance and Test Requirements."
8	**Training and installation**	
	Pre installation requirement	Input output waering with dedicated earthing (Input/output MCB 32 Amps), cable rating 4 sq mm both input and output, ground 2.5 sq mm should be done by the electrification team
	Installation process	Installation need to be done by OEM certified engineer to avoid the risk during installation.
	Prevantive Maintanance	2 PM call need to be done every year for maintaing good health of the UPS and battries

9	**Warranty & AMC**	2 years comprehensive warranty on UPS and Batteries directly from OEM
10	**Certification**	CE, BIS,ISO 45001
		ISO 9001, "Quality Management Systems - Requirements."
		ISO 14001, “Environmental Management Systems - Requirements with Guidance for Use.”
	RoHS Compliance	Yes
	Environmental	PEP certified
11	**Service Support**	
	Service Support	The details of service centers of the OEM must be avaiable in OEM website with engineer name and address for immediate service.
	Service center	The OEM should have minimum 10-15 service centres in North East of India
	SLA	Dedicated / toll Free Telephone No. for Service Support : OEM must have Dedicated / toll Free Telephone No. for Service Support.
		Escalation Matrix For Service Support : Bidder / OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
12	**Others**	Vendors quoting on behalf of OEM shall have to provide MAF (Manufacturers autorisation form)
		The Bidder or its OEM should have regularly, manufactured and supplied same Products to any Central /State Govt Organization / PSU / Public Listed Company for last 10 years.
		Bidder/OEM who has been blacklisted either by the Tender Inviting Authority or by any State/Central Government Organization at any point of time will not be allowed to participate in the tender.

SPECIFICATIONS FOR GenSet for Health Facilities

		UNIT			
1	Genset Model		KG1-40WS	KG1-62.5WS	KG1-100WS
2	KVA Rating	kVA	40	62.5	100
3	KW Rating	kW	32	50	80
4	Voltage	V	415	415	415
5	Frequency	Hz	50	50	50
6	Phase		1Ø & 3Ø	1Ø & 3Ø	3Ø
7	Power factor	lagging	0.8	0.8	0.8
8	**Overall Dimension**				
9	Length	mm	2575	2840	3240
10	Width	mm	1050	1140	1340
11	Height	mm	1448	1595	1795
12	Approximate Dry Weight (with canopy)	KG	1300	1700	2200
13	Rated speed	RPM	1500	1500	1500
14	Method of Starting		Electric (12 V)		
15	Fuel consumption at 75% load	Ltr/Hr	7.4	11.3	16.9
16	Lube Oil change period	Hrs	500	500	500
17	Alternator efficiency at 100% load	%	88.4	91	92
18	DG set Noise level at 1Mtr (with canopy)	dBA	≤ 75 @ 1m		

ENGINE DATA					
1	Engine model		3R1040TAG1	4R810TAG1	4K1080TAG2
2	Rated output (prime power rating as per ISO 3046)	kW	41.2	61	115
		HP	56	83	156
3	No. of cylinders		3	4	4
4	Engine configuration (Inline / V type)		**in line**		
5	Operating cycle		**4 Stroke DI**		
6	Displacement	Ltrs	3.12	3.24	4.32
7	Bore x Stroke	mm	105 X 120	96 X 112	105 X 125
8	Aspiration		TA	TA	TA
9	Compression Ratio		18:1	17.5:1	15.5:1
10	Piston speed	m/s	6.0	5.6	6.25
11	Engine weight (Dry weight of bare engine)	Kg	300	395	435
12	Fuel Type		Diesel	Diesel	Diesel
13	Fuel Oil		HSD IS 1460	HSD IS 1460	HSD IS 1460
14	Fuel Filter Type		Spin On	Spin On	Spin On
15	Filtration Capacity	Micron	3-5	5-10	5
ALTERNATOR DATA					
1	Make		KG	KG	KG
2	Insulation Class		**Class - H**		
3	Time permitted to build up rated voltage	Sec	**<5 sec, provided engine should reach rated RPM**		
4	Permissible Voltage Dip	%	≤16%	≤20%	≤20%
5	Short circuit withstand time	Sec	< 3 sec	< 3 sec	< 3 sec
6	SHort Circuit Ratio		0.815	0.432	0.43
7	Overload withstand capacity	%	**10% Over load for 1 hour once in 12 hours**		
8	Cooling system of Alternator		self cooling	self cooling	self cooling
9	Temprature rise of armature winding	Deg C	<125	<125	<125
10	Temprature rise of field winding	Deg C	<125	<125	<125
11	Effeciency at 100% MCR & rated PF	%	89.2	91	92.6
12	Effeciency at 75% MCR & rated PF	%	90.8	91.8	93.1
13	Effeciency at 50% MCR & rated PF	%	91.7	92.6	93.5
14	Type of Excitation		self	self	self
15	Exciter class of insulation		**Class - H**		
16	Type of AVR		Electronic	Electronic	Electronic
17	Mounting of AVR		**Machine mounted inside the terminal box**		
18	Voltage Regulation	%	±1	±1	±1
19	AVR Response time	m sec	<75ms	<75ms	<75ms
Note					
1.Specific gravity of diesel to be considered as 0.845 for LPH calculations (+5 % tolerance on LPH)					

2.All canopy dimensions have tolerance of ± 75 mm.				
3.Prime Power Rating is the maximum power available continuously for a variable electrical load for unlimited number of hours per year under standard operating conditions.				
4.Genset ratings are as per ISO 8528.				
5-Single phase genset option available up to 30 kva, for special requirement contact marketing.				
6-*Width of genset considered without base plate lifting hook				
7-** Height of DG considered without silencer				
8-***As per std. test cycle & procedure @ 100% load				
9.****First oil change at 50 hrs.				
10.For the site conditions other than standard operating conditions, consult company people for available prime power.				
11.Genset weight tolerance +50 kg				

ENGINE FOR GENSET

Technical Specifications				
		KG1-40WS	KG1-62.5WS	KG1-100WS
Exhaust System				
Exhaust silencer type		Residential	Residential	Residential
Exhaust gas flow	kg/hr	270	415.0	700
Exhaust gas temperature (Max)	Deg C	550	550 +/- 50	500 +/- 50
Fuel consumption at 75% load	Ltr/Hr	7.4	11.5	27.4
GOVERNER DATA				
Type		Mechanical	Mechanical	Electronic
Whether adjustable droop provided		Yes	Yes	Yes
OTHER INFORMATION				
Maximum time to start from cold & attain rated Speed & ready to take load	Sec	10	10	10
Overload capacity	%	10% overload for one hour once in 12 hours		

MINIMUM LIST OF EQUIPMENT FOR BLOOD STORAGE UNIT

<table>
<tr><th>Equipment</th><th>Specification</th></tr>
<tr><td>1. Blood Bank Refrigerator
(60-80 filled blood bags of 350ml capacity)</td><td>
Clinical Purpose:A Refrigerator for storing whole blood /PRBC Units in a blood bank or BSU .
Construction:
Compression type refrigerator that uses CFC free refrigerant gas
Internal: Stainless steel (min. 22g).
External Solid outer Corrosion Resistant (at least 1mm thickness)
Drawers.
1. Roll out type, Stainless steel scratch resistant material,
2. The separators, if provided in the drawers, should be Such that blood bags are held in a vertical position with the label side visible.
3. Glass door does not project at side when opened
4. Insulation and gasket should be of silicon or polyurethane
5. Polyurethane/Silicon insulation should be minimum 80mm thickness.
6. Door opening audio and visual display alarm.
7. Door locks should be available.
8. Interior lighting or illumination,
9. auto defrosting.
Temperature Range:+ 2 deg C to +6 deg C and adjustable with setting accuracy of :0.1 degC with set temperature of 4 deg C.
User parameter settings set point, high alarm point, low alarm point, buzzer off time.
Internal Temperature Control: Electronic temperature control, range +2 deg C to +6 deg C with setting accuracy of :0.1 deg C whatever the load,
Fan air cooling
External Ambient Temperature: Performs in an ambient temperature of +10 deg C to +40 deg C
Hold over time: A full load of blood packs at +4 deg C (#1 deg C) takes at least 30 minutes to rise to above +6 deg C.
Internal temperature hold over time in case of power failure should be at least 1.5 hrs
Temperature Monitoring: Digital temperature (LED) display with 0.1 deg C graduation,
Temperature recording: ink recording device,.Each chart should record for 7 days.
Microprocessor control for operation with integrated audio visual temperature alarm function with digital monitoring display.
Independent safety thermostat to avoid negative temperatures
Atleast 2 temperature sensors.

Capacity-
1)60-80bags (350ml blood bags)
Alarms:
<table>
<tr><td>There should be independent continuous source of power for alarms.</td></tr>
<tr><td>Alarms: Audio – Visual :</td></tr>
<tr><td>1. Power on /failure</td></tr>
<tr><td>2. On/Off display of compressors</td></tr>
<tr><td>3. Display of battery status.</td></tr>
<tr><td>4. High / Low temperature</td></tr>
<tr><td>5. Door open/close.</td></tr>
<tr><td>UPS :Appropriate UPS online with automatic On/Off facility and two hours Power back – up. (Optional)</td></tr>
<tr><td>Should have compliance of : Drug & Cosmetic Act</td></tr>
<tr><td>All components : Should have appropriate compliance.</td></tr>
<tr><td>All components : Should have warranty for minimum 2 years.</td></tr>
</table>
</td></tr>
</table>

	Undertaking for "Maximum Response time for repair of break down" =undertaking should be provided that repair will be done within 48 HRS after breakdown • Noise:-noise factor should not exceed 60 decibels. • Power Requirements: Input voltage 220/240V, 50Hz . • Atmosphere/Ambience(air conditioning, humidity, dust): Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% • Additional Requirements: All equipments should specify design qualifications. Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards. Performance, efficiency, other factors such as distortion etc, as applicable be also furnished. Complete construction, details in respect of material specifications, thickness, finish etc are to be furnished. • Users care, cleaning, Disinfection & Sterility issues: Specified in the manual. • Product certifications: CE class II A or US FDA certified • Quality certificate: ISO certified • Electrical Safety: Equipment meets electrical safety specifications such as that of IEC (class I) or ISO standards. For indigeneous items should comply with BIS & CPCB standards. • Training of staff (medical), paramedical, Technicians) OPTIONAL (Depending upon scope of work order): Training of users in operation and basic maintenance shall be provided. • Service contract clauses including prices: Downtime: 48 hours or after penalty clause will be active. Local clinical staff / authorised officer on behalf of purchaser to affirm completion of installation. • Operating manuals, service manuals, other manuals: Necessary catalogues, technical write up in English shall be attached with the offer both in hard and soft copies. Other accompanying documents: List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided. • **Protection :-suitable auto voltage corrector with spike protector should be provided if required.**
2. Dielectric Tube Sealer	**Clinical purpose**: Blood Bag Tube Sealer is a compact equipment to seal the blood bag tubing. 1. The system should be heavy duty and be able to seal the blood bag tubing quickly and effectively. 2. Should be simple to handle. 3. System should gently seal the tubing with no hemolysis using radio frequency. 4. Should be capable of making wide seal of 2-6 mm thickness. 5. System should run on both mains and battery (more than 10hrs back up) 6. charger to be supplied 7. Back up battery should seal more than 500 seals on PVC-tubes in continuous mode. 8. Should be for bench-top use 9. Sealing trigger should be automatic. 10. Preferably have extended portable hand unit sealing hand should be with coaxial cable of 1.5-2 meter. **11. Should have indication lamps for "Sealing Process" on handle as well as main unit.** 12. No warm up time should be required 13. Should ensure easy separation of tube segments after the sealing. 14. Electrodes should be well protected by a cover. 15. Sealing Time: Should not be more than 2 seconds 16. Power Requirements: Input voltage 220/240v 50Hz AC.

	17. Atmosphere/Ambience(air conditioning, humidity, dust): Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% 18. Additional Requirements: All equipments should specify design qualifications. Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards. Performance, efficiency, other factors such as distortion etc, as applicable be also furnished. Complete construction, details in respect of material specifications, thickness, finish etc are to be furnished. 19. Users care, cleaning, Disinfection & Sterility issues: Specified in the manual. 20. Product certifications: CE class II A or US FDA certified 21. Quality certificate: ISO certified 22. Electrical Safety: Equipment meets electrical safety specifications such as that of IEC (class I) or ISO standards. For indigeneous items should comply with BIS & CPCB standards. 23. Training of staff (medical), paramedical, Technicians) OPTIONAL (Depending upon scope of work order): Training of users in operation and basic maintenance shall be provided. 24. Service contrast clauses including prices: Downtime: 48 hours or after penalty clause will be active. Local clinical staff / authorised officer on behalf of purchaser to affirm completion of installation. 25. Operating manuals, service manuals, other manuals: Necessary catalogues, technical write up in English shall be attached with the offer both in hand and soft copies. 26. Other accompanying documents: List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided All components: 27. Should have warranty for minimum 2 years 28. **Undertaking** for "Maximum Response time for repair of break down" =undertaking should be provided that repair will be done within 48 HRS after breakdown
3. Table Top Centrifuge	**Clinical purpose**: Preparation of samples for clinical /Lab analysis. 1. Speed Range 500 to 4500 rpm on load with variable speed regulator. 2. It should be fitted with digital timer 0-59 minutes and digital speed indicator, LED/LCD display 3. The machine should be supplied with swing/angle rotor head having 16 tubes of 5 to 10 ml capacity. 4. It should be supplied with stainless steel tube carrier & rubber cushions. 5. The lid should be double walled, made of steel sheet/ABS plastic moulding for extra safety 6. It should also be fitted with electronic lid lock which should not open when machine is in running condition 7. The Motor of machine should be fitted with anti vibration pads. 8. Capacity:-can accommodate 16/24 tubes at a time. 9. Noise (in decibels):- noise factor should not exceed 60decibels 10. Power Requirements: Input voltage 220/240V 50Hz, 1/8 Hp Motor of 220V AC. 11. Atmosphere/Ambience(air conditioning, humidity, dust): Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% 12. Accessories and spare parts:-.complete with comprehensive set of spare parts. Also supplied complete instruction manual, cord and plug, dust cover, 12 spare rubber cushions. The make, rating, model, description, specifications, price, quantity of each item shall be furnished separately. 13. Atmosphere /ambience(air conditioning, humidity, dust): Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% 14. Additional Requirements: All equipments should specify design qualifications. Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards.

<table>
<tr><td></td><td>Performance, efficiency, other factors such as distortion etc, as applicable be also furnished. Complete construction, details in respect of material specifications, thickness, finish etc are to be furnished.
15. Users care, cleaning, Disinfection & Sterility issues: Specified in the manual.
16. Product certifications: CE class II A or US FDA certified
17. Quality certificate: ISO certified
18. Electrical Safety: Equipment meets electrical safety specifications such as that of IEC (class I) or ISO standards. For indigenous items should comply with BIS & CPCB standards.
19. Training of staff (medical), paramedical, Technicians) OPTIONAL (Depending upon scope of work order): Training of users in operation and basic maintenance has to be provided.
20. Service contrast clauses including prices: Downtime: 48 hours or after penalty clause will be active. Local clinical staff / authorised officer on behalf of purchaser to affirm completion of installation.
21. Operating manuals, service manuals, other manuals: Necessary catalogues, technical write up in English shall be attached with the offer both in hand and soft copies.
22. Other accompanying documents: List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided
23. All components: Should have warranty for minimum 2 years.
24. Undertaking for “Maximum Response time for repair of break down” =undertaking should be provided that repair will be done within 48 HRS after breakdown</td></tr>
<tr><td>4. Micropipettes (Single Piece Adjustable)</td><td>Specifications of each piece:
Adjustable 10-150 micro litres
<table><tr><td></td><td></td><td>Accuracy</td><td>Reproducibility</td></tr><tr><td>I</td><td>10 – 150 Micro litre(Single Channel)</td><td>Plus Minus 1%</td><td>1.5% - 1%</td></tr><tr><td>II</td><td>All components: Should have warranty for minimum 2 years</td><td></td><td></td></tr></table></td></tr>
<tr><td>5. Hot Air Oven</td><td>• Internal size: 45x45x45 cms
• Single door with 2 shelves
• Door fitted on heavy brass cast and chrome plated hinges
• Cabinet double walled MS
• Insulation: minimum thickness 2 of glass wool
• Finish: Inside of the cabinet painted with heat resistant silver and outside with silver grey.
• Temperature Stability +0.3°C
• Timer ON/OFF
• Temperature (Metric) 50°C to 250°C
• Type Mechanical Convection
• Electrical Requirements 230 V 50/60 Hz
• LED-Display
• No. of Shelves 2 supplied/19 max
• All components: Should have warranty for minimum 2 years
• Undertaking for “Maximum Response time for repair of break down” =undertaking should be provided that repair will be done within 48 HRS after breakdown</td></tr>
<tr><td>6. Incubator</td><td>Clinical purpose: Dry incubators are designed to incubate blood samples, microplates etc.
1. Body: This unit has double walled chamber, with PUF insulation.
2. Interior is made of Stainless Steel (minimum grade 304) and Exterior is either made of Mild Steel finished in powder coated steel or Stainless Steel
3. The unit should have full-length inner glass door and outside metal door with magnetic gasket and lock.
4. The unit should be provided with Mesh type /stainless steel trays.
5. Temp. Controller: Digital type</td></tr>
</table>

	6. Temp. range: RT to 110 deg C 7. Accuracy: 1 deg C in the given range. 8. LED display. Specifications provided to be specified. 9. Slot for thermometer & thermometer to be supplied. 10. Power Requirements: Input voltage 220/240V 50Hz, 1/8 Hp Motor of 220V AC. 11. Atmosphere/Ambience(air conditioning, humidity, dust): Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90% 12. Additional Requirements: All equipments should specify design qualifications. Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards. Performance, efficiency, other factors such as distortion etc, as applicable be also furnished. Complete construction, details in respect of material specifications, thickness, finish etc are to be furnished. 13. Users care, cleaning, Disinfection & Sterility issues: Specified in the manual. 14. Product certifications: CE class II A or US FDA certified 15. Quality certificate: ISO certified 16. Electrical Safety: Equipment meets electrical safety specifications such as that of IEC (class I) or ISO standards. For indigeneous items should comply with BIS & CPCB standards. 17. Training of staff (medical), paramedical, Technicians) OPTIONAL (Depending upon scope of work order): Training of users in operation and basic maintenance shall be provided. 18. Service contrast clauses including prices: Downtime: 48 hours or after penalty clause will be active. Local clinical staff / authorised officer on behalf of purchaser to affirm completion of installation. 19. Operating manuals, service manuals, other manuals: Necessary catalogues, technical write up in English shall be attached with the offer both in hand and soft copies. 20. Other accompanying documents: List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provide 21. All components: Should have warranty for minimum 2 years . 22. **Undertaking** for “Maximum Response time for repair of break down” =undertaking should be provided that repair will be done within 48 HRS after breakdown
7. Reagent refrigerators	Reagent refrigerators are specialized equipment used in laboratories to store temperature-sensitive reagents. Key specifications include: 1. Temperature Range: Maintains +2°C to +8°C (35.6°F to 46.4°F) to preserve reagent stability. 2. Capacity: Sizes should be available in 200-220 Litres to accommodate different storage needs. 3. Temperature Control: Precise digital thermostats maintain a constant temperature. 4. Interior Organization: Adjustable shelves or compartments allow for organized storage. 5. Door and Insulation: Solid, well-insulated doors minimize temperature fluctuations. 6. Safety Features: Lockable doors or access control enhance security. 7. Power Supply: Requires a reliable power source 8. Compliance and Certifications: May meet industry standards and certifications. 9. Shelves:-3-4 shelves of rust proof material to be provided. 10. Voltage stabiliser to be provided if required.

8. Split AC	Split AC units used in blood storage units have specific specifications for maintaining the temperature and integrity of blood products. Key specifications include: 1. Temperature Control: Maintains a precise temperature range of +22°C . 2. Cooling Capacity: Sufficient capacity to handle the heat load and maintain consistent temperature. 3. Temperature Monitoring: Interfaces with a monitoring system to ensure continuous temperature control and alerts for deviations. 4. Air Circulation: Ensures uniform temperature distribution within the storage unit. 5. Air Filters: High-quality filters maintain a clean and sterile environment. 6. Alarm Systems: Alerts for temperature fluctuations and equipment malfunctions. 7. Energy Efficiency: Energy-efficient operation for reduced electricity consumption. 8. Backup Power: Options for backup power to ensure uninterrupted operation. 9. Compliance and Certifications: Adheres to regulatory guidelines for safe blood storage. When selecting a split AC for blood storage units, it's important to consider these specifications to ensure the preservation and safety of stored blood products.
9. Blood Transportation Box	Blood transportation boxes are specialized containers designed to safely transport blood products, ensuring their integrity and temperature control. Here is a brief overview of the specifications typically associated with blood transportation boxes: 1. Size and Capacity: Compact box for securely holding 8-12 filled blood units (of 350 ml)during transportation. 2. Temperature Control: Maintains required temperature range (2-6 degrees Celsius). 3. Insulation: High-quality materials for temperature stability and protection. 4. Cooling Mechanism: Built-in cooling system or ice/gel packs. 5. Durability: Robust construction for safe transit. 6. Secure Closure: Ensures blood units remain protected. 7. Labeling and Identification: Clear indication of contents and handling instructions. 8. Regulatory Compliance: Meets standards for medical specimen transport. 9. Means of Handling: To be suspended from the shoulder or held in one hand and handles on both sides of the box should be available. 10. Inner Box: For the purpose of packing filled blood bags. Should have provision to be separated from ice-packs. 11. Hold-Over Time/Cold Life without opening: internal Temperature of box should not exceed +10ºC for atleast 48 hrs at 0- +45ºC. 12. Lid Type and Fitting: Hinge Type
10. Deep Freezer for Freezing Ice packs	**Clinical purpose:** To freeze and store ice packs . Compression freezer with CFC free refrigerant. **Construction:** Internal Stainless steel (min 22g) (S.S v2 A-1.4301) External: Solid outer Corrosion Resistant (at least 1mm thickness), CFC free insulation Design: Upright/vertical/horizontal Type, Mounted on Lockable Castor wheels 11. **Shelves:/trays:** **3**/4 adjustable made of non corrosive stainless steel. b)Door does not project at side when opened c)The door should have minimum 100mm Polyurethane/Silicon insulation with heated glass ware d)Insulation and gasket should be Polyurethane/Silicon insulation should be minimum of 80 mm.

e) heating device on frame to avoid condensation

Capacity=200/220 lt capacity.

Internal Temperature Control:

1. Electronic temperature control,
2. Operating temperature reachable lowest up to -18 deg C or below with setting accuracy of 0.1 deg C whatever the load,
3. Fan air cooling,
4. Automatic defrost within safe temperature range
5. Casing & door should have insulation panel with polyurethane/silicon> 80mm thickness.

Refrigeration: Heavy duty hermetically sealed compressor air cooled cascaded refrigeration system, maintains inner temperature below-40 deg C.

Refrigerant CFC free/ green gas.

External Ambient Temperature: Performs in an ambient temperature of +10 deg C to +40 deg C

Hold over time: 2 hrs at ambient temperature.

Cooling Down Time: A full load of ice packs at +25 deg C takes a maximum of 5 hrs for all the packs to reach below (minus)-18 deg C

Temperature Monitoring: Digital temperature (LED) display with 0.1 deg C graduation.

Alarms:

There should be independent continuous source of power for alarms.
Alarms: Audio – Visual :
1. Power on /failure
2. On/Off display of compressors
3. Display of battery status.
4. High / Low temperature
5. Door open/close.
UPS :Appropriate UPS online with automatic On/Off facility and two hours Power back – up. (Optional)
Should have compliance of : Drug & Cosmetic Act
All components : Should have appropriate compliance.
All components : Should have warranty for minimum 2 years.

Undertaking for "Maximum Response time for repair of break down" =undertaking should be provided that repair will be done within 48 HRS after breakdown.

- Power Requirements: Input voltage 220/240V, 50Hz .
- Atmosphere/Ambience(air conditioning, humidity, dust): Capable of operating continuously in ambient temperature of 10 to 40 deg C and relative humidity of 15 to 90%
- Noise:-noise factor should not exceed 60 decibels.
- Additional Requirements: All equipments should specify design qualifications. Operational qualifications and performance qualifications, validation and calibration reports should have traceability towards applicable national/international standards. Performance, efficiency, other factors such as distortion etc, as applicable be also furnished. Complete construction, details in respect of material specifications, thickness, finish etc are to be furnished.

	• Users care, cleaning, Disinfection & Sterility issues: to be specified in the manual. • Product certifications: CE class II A or US FDA certified • Quality certificate: ISO certified • Electrical Safety: Equipment meets electrical safety specifications such as that of IEC (class I) or ISO standards. For indigeneous items should comply with BIS & CPCB standards. • Training of staff (medical), paramedical, Technicians) OPTIONAL (Depending upon scope of work order): Training of users in operation and basic maintenance to be provided. • Service contrast clauses including prices: Downtime: 48 hours or after penalty clause will be active. Local clinical staff / authorised officer on behalf of purchaser to affirm completion of installation. • Operating manuals, service manuals, other manuals: Necessary catalogues, technical write up in English to be attached with the offer both in hand and soft copies. • Other accompanying documents: List to be provided of important spares and accessories with their part numbers and cost. Certificate of calibration and inspection to be provided. **Protection :-suitable auto voltage corrector with spike protector should be provided if required.**
11. BMW Bins of Different Colours	Different Colours each having capacity of 10 litres per Bin . Colours as per BMW rules.

Specifications for Binocular Microscope				
Sl. No.	***Name of Equipment***	***Specifications***	***Compliance Yes/No***	***Deviation / Remark***
12	Binocular Microscope	Achromatic loaded	Objective spring	
			4 x (NA 0.1)	
			10 x (NA 0.25)	
			40 x (NA 0.65)	
			100 x (NA 1.25)	
		Eye pieces 5x, 10x one pair each	Oil impression on pair each	
		In-build	Arrangement of illumination with halogen lamps fitted directly under filed lenses (Koehleres system)	
		Transformer and other fitted inside the base with extra mirror attachment		
		Condenser	Bright field abbe's NA 1.25 and dark field NA 1.25	
		Nosepiece	Quadruple, revolving on smooth ball bearing	
		Power Supply	220 – 240 volts, 50 cycles, single phase	
		Inclination angle	To be declared by the bidder	

		Spare lamps	Halogen 6 numbers to be supplied with each microscope	
		Technical literature	The firm shall positively submit printed illustrated technical literature/leaflet indicating the model quoted by them. If quoted model is a modified version of their any standard product that also be indicated in the offer.	
		Before placement of order, the selected tender (s) will be acquired to demonstrate 3 microscopes to the entire satisfaction of the purchaser. The demonstrated microscope if found suitable will be sealed for workmanship finish the resolution conformity to bulk supply apart from conforming to specification as above submit printed illustrated technical		
		All components: Should have warranty for minimum 2 years		

MINIMUM LIST OF EQUIPMENT FOR LABOUR ROOM

SL. NO	**PRODUCT NAME**	
1	**OBSTETRIC LABOUR TABLE FULLY SS**	
	SPECIFICATION:	• Upper structure made of 50x25mm rectangular pipe thickness 1.6mm Head side adjustable by crank mechanism up to 600 • Middle top fixed with "u" cut One having sliding top under the main frame • Upper top made of .9mm ss sheet • Lithotomic with belt arrangement both sides. • Treadle burg & reverse trendelenburg by gasping • Both sides iv provisions • Lower structure made of 32mm round pipe thickness 2mm,support with 25mm round pipe. • One having ss detachable basin raised under the top. • Sliding handle raised both sides of the table. • Mounted on rubber shoe. • Finish with Glossy or Matt finish. • **Over all size: 72"(L)x27"(w)x36"(h).

2	**DUAL FUNCTION LABOUR ROOM SPOT CUM MINOR OT LIGHT MOBILE**	
	SPECIFICATION:	• Light Head Is Streamlined, Ultra-Thin With Aerodynamic Shape And Laminar Compatibility. • German Make Osram Led Bulbs And French Gaggione Lens Guarantee A Uniform Nature Cool Lighting In Surface And Deep Cavity Procedures. • Spring Arms Which Can Turn Around All Points Of Articulation, Easier To Maneuver And Place. • Split Intensity Controller To Adjust White Balance Of Light According To Surgeon's Requirement. • Revolving Outer Sterilizable Handle At The Light Head Allow To Adjust Focus Dia And Positioning The Light Head. • Micro Computer Digital Control With Shifts Luminance 0%-100% For Selection. • We Offer Infrared Remote Controller To Facilitate The Operation Of The Light.
	TECHNICAL SPECIFICATION	• **Light head dia** : 50cm • **Illumination intensity at 1 m** : 140,000 Lux • **Focus dia** : 15-25 cm • **Focus adjustable** : Yes • **Depth of illumination**: 100cm • **Color temperature** : 3500K-4500K • **CRI (Color Rendering Index):** 95 • **Illuminating adjustment:** 0%-100% • **No. of LEDs:** 96 • **LEDs lifetime:** 50000 hrs • **Energy Consumption:** 50W • **Control unit :** SMPS