Annual Health Survey

Office of the Registrar General & Census Commissioner, India

सत्यमेव जयते

Request for Proposal for Appointment of Supplier Agency(s) for Procurement, Distribution, Maintenance & Replacement of Clinical, Anthropometric and Biochemical (CAB) Test Equipments and consumables under Annual Health Survey (AHS)

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GLOSSARY

ORGI	Office of Registrar General, India
DCO	Directorate of Census Operations
RFP	Request for Proposal
AHS	Annual Health Survey
CAB	Clinical Anthropometric and Biochemical
PMO	Prime Minister's Office
EAG	Empowered Action Group
CBR	Crude Birth Rate
CDR	Crude Death Rate
IMR	Infant Mortality Rate
TFR	Total Fertility Rate
MMR	Maternal Mortality Ratio
EMD	Earnest Money Deposit
ITB	In This Bid
NIHFW	National Institute of Health and Family Welfare
NFI	Nutrition Foundation of India
ICMR	Indian Council of Medical Research
NIN	National Institute of Nutrition
TEC	Technical Evaluation Committee
NCR	National Capital Region

1. INFORMATION TO AGENCY

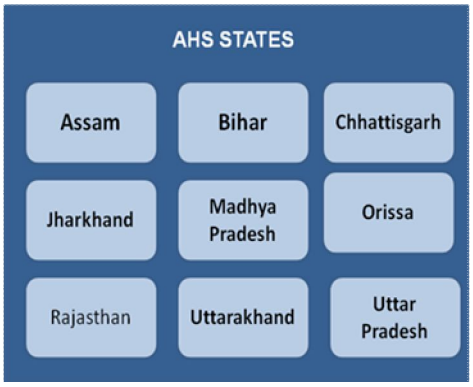
1.1 Purpose/Intent of RFP

The purpose/intent of Request for Proposal (RFP) is to appoint Supplier Agency(s) (henceforth referred to as 'SA') for procurement, distribution, maintenance & replacement of Clinical, Anthropometric and Biochemical (CAB) test equipments along with the procurement & supply of requisite consumables for the Annual Health Survey (AHS) being conducted across 9 States in India.

1.2 Overview of Annual Health Survey (AHS)

AHS has been conceived at the behest of the National Commission on Population, PMO and Planning Commission to yield benchmarks of core vital and health indicators at the district level and to map its rate of change on a continual basis to assess the efficacy of various health interventions including those under National Rural Health Mission (NRHM). The responsibility for conducting the AHS has been entrusted to the Office of Registrar General, India (ORGI).

AHS is being implemented in each of the 284 districts of the eight Empowered Action Group (EAG) States (Bihar, Jharkhand, Madhya Pradesh, Chhattisgarh, Orissa, Rajasthan, Uttar Pradesh and Uttarakhand) and Assam (henceforth referred as AHS States). The 9 AHS States cover a sample population of about 18.2 million and 3.6 million households. For effective implementation of the survey, the 9 AHS states have been categorized into 18 zones the details of which are provided in **Annexure-1**.



The AHS shall take place annually for three years (i.e. a baseline survey followed by two updation surveys) during the mission period 2007-2012 starting from 2010-2011. AHS , inter-alia, will generate indicators such as Crude Birth Rate (CBR), Crude Death Rate (CDR), Infant Mortality Rate (IMR), Total Fertility Rate (TFR), Maternal Mortality Ratio (MMR), Sex Ratio at Birth & host of other indicators on family planning practices, maternal & child care and changes therein on a year to year basis at appropriate level of aggregations. Seven reputed field survey agencies have been selected for conducting the AHS and the field work for the baseline survey is in progress.

As part of the Annual Health Survey, in order to obtain data on nutritional status and information on prevalence of certain lifestyle disorders like diabetes and hypertension at district level, some elementary tests for measurements like length / height, weight, and blood pressure, estimation of haemoglobin and fasting plasma glucose and Testing of salt used by households for iodine have also been included. Theses Clinical, Anthropometric and Biochemical (CAB) tests are referred to as the CAB component of AHS. This CAB component will also capture information on infant and young child feeding practices in children aged

under 3 years and information on acute morbidity episodes in the last fortnight in all children aged under 5 years and current status whether lactating, pregnant or non-pregnant and non-lactating women in reproductive age group.

CAB Tests will be conducted in a sub-sample of Primary Sampling Units (PSUs) selected for the Annual Health Survey in each of the 284 districts across 9 AHS states during 2010-11. In all, about 4 lakh households across 284 districts shall be covered for conducting CAB Tests by selecting 12 PSUs in each district covering alternate households in selected PSU. Within a selected household, all eligible members shall be covered for relevant tests.

The CAB tests would include:

- **Anthropometric –**
  - Length/Height and Weight Measurement - Women, Men and Children (aged 1 month & above)
- **Clinical –**
  - Blood Pressure – Women and Men aged 18 years and above
- **Biochemical –**
  - Hb estimation - Women, Men and Children (aged 6 months & above)
  - Fasting Blood Glucose estimation – Women and Men aged 18 years and above
  - Testing of household salt for iodine content – all sampled households

The results of CAB tests along with other information collected in the CAB schedules would inter-alia yield the following information:

- Nutritional Status of Women *(Lactating, Pregnant or Non-Pregnant and Non-lactating)*, Men and Children *(aged 1 month & above)* based on height and weight measurements.
- Prevalence of Hypertension among Women and Men *(aged 18 years and above)*
- Prevalence of Anaemia among Women, Men and Children *(aged 6 months & above)*
- Prevalence of abnormal fasting glucose levels among Women and Men *(aged 18 years and above)*
- Utilization of Iodized salt in households
- Infant and young child Feeding Practices in children aged under 3 years and Acute recent morbidity episodes in children aged under 5 years

ORGI is in the process of selecting survey agency(s) for carrying out the CAB tests in 284 districts of the 9 AHS States.

In order to obtain reliable and accurate CAB test results, there is a need to provide standard and uniform equipments along with the requisite consumables to the Survey Agency(s) for conducting the above stated tests.

For this purpose, through this RFP, ORGI seeks to select and appoint competent 'Supplier Agency(s)' having experience in procurement, distribution and maintenance of medical equipments / health equipments along with requisite consumables.

For each test in each of the 284 districts across 9 AHS States, the Supplier Agency(s) shall:

- Procure, distribute and maintain CAB Equipments and
- Procure and distribute the consumables required for CAB Equipments.

The CAB equipments and consumables which will be required for conducting the CAB Tests have been categorized into six 'CAB Equipment and Consumable Set'. Hereafter the term 'CAB Equipment and Consumable Set' is defined as equipment and relevant consumables that will be required for a particular test. 'CAB Equipment and Consumable Set' for each test have been defined in **Annexure 3**.

As per this RFP, it is expected that any bidder who quotes for 'CAB Equipment and Consumable Set' for a test, will be responsible for procurement, distribution and maintenance of all items pertaining to a particular 'CAB Equipment and Consumable Set' for each of the 284 districts in the 9 AHS States. A bidder may choose to bid for more than one 'CAB Equipment and Consumable Set'.

In order to ensure that standard and accurate instruments are made available to the Survey Agency(s), ORGI has tied-up with National Institutes like NIHFW, NIN, NFI & Regional Institutes of ICMR. These institutes would inter-alia, be responsible for checking the accuracy of the supplied equipments, performing intermediary activities like cutting the filter paper to correct size, lab test for Hb estimation, imparting training to the Survey Agency(s) personnel etc. The details of the process for checking accuracy of equipments and only pipettes amongst the consumables are given in the subsequent paragraphs.

For checking the accuracy of equipments (i.e. Infantometer, Wall-Mounted Height Measuring Steel Tape, Electronic Weighing Machine, Glucometer & Digital BP Battery Apparatus), Supplier Agency(s) will be required to procure and deliver the same to Nodal Training Institutes. These equipments will be handed over by the nodal training institutes to the field survey agency(s) personnel on completion of their training in their respective institutions. As regards colorimeter the same would also be procured centrally by the Supplier Agency(s) and delivered to the nodal test labs. The list of Nodal Training Institutes and Nodal Test Labs is given in **Annexure 2**. These institutes will provide a certification for equipments, qualifying that they were found to be accurate and ready for use in field. This will be done for all the equipments tested by each institute at the start of the survey and subsequent replacements, if any.

For checking the accuracy of Pipettes, the Supplier Agency(s) will be required to procure and deliver the same to NIHFW. After accuracy check by NIHFW, the Supplier Agency(s) will deliver the same in appropriate quantities to Survey Agency(s) in batches.

Filter Paper sheets will be procured and delivered to NIHFW. NIHFW will cut them into correct size. Thereafter, it will be the responsibility of the NIHFW to deliver the same in appropriate quantities to Office of Survey Agency for all the respective zones.

Table 1: Details of Nodal Test Labs for accuracy checking of CAB equipments, pipettes and cutting of filter paper to right size

Nodal Test Labs	Type of CAB Equipments	Type of Consumables
NIHFW	All CAB Equipments to be supplied to the survey teams for the earmarked zones and Colorimeter, Constant Voltage Stabilizer, fixed volume dispenser.	• All Pipettes & Filter Paper • Cut all filter papers to the correct size
NFI	All CAB Equipments to be supplied to the survey teams for the earmarked zones and Colorimeter, Constant Voltage Stabilizer, fixed volume dispenser.	
NIN	Requisite numbers of Colorimeter, Constant Voltage Stabilizer, fixed volume dispenser only	
All Regional Institutes of ICMR	All CAB Equipments to be supplied to the survey teams for the earmarked zones and Colorimeter, Constant Voltage Stabilizer, fixed volume dispenser.	

All 'other consumables' [i.e. Lithium Battery for Weighing Machine, Glucose Strips, Lithium Battery for Glucometer, Alkaline/Lithium Battery for BP apparatus, Solvent Ether, Drabkin's Solution (for field work), distilled water, Laminated Envelope, Plastic Self-sealing envelope with printed label, Cotton & Salt Testing Kit only] will be directly supplied in batches to the Office of Survey Agency(s) for that zone as per the implementation schedule provided in Section 4 of this RFP.

If during the accuracy checking process, any equipment or pipette is found to be damaged on account of transportation, mishandling, wrong packaging or the equipment is found to be inaccurate, it must be immediately replaced by the Supplier Agency(s). The replacement will be tested for accuracy and only tested equipments will be handed over to the survey team for use in the survey.

After commencement of survey, the maintenance as well as replacement of faulty/damaged equipments will be the responsibility of the Supplier Agency(s). In case faulty/damaged

equipments are detected during the survey, the concerned Survey Agency(s) will directly contact the Supplier Agency(s) for the replacement of equipments, under intimation to respective institution for that zone and to ORGI as per the prescribed protocol.

It will be the responsibility of the Supplier Agency(s) to ensure that the replaced equipments are delivered in time for accuracy checking by the respective institutes and under intimation to ORGI. The survey agency(s) will follow-up with the respective institutes on the progress of accuracy check of equipments. As soon as the accuracy check is completed by the respective institutes, the Supplier Agency(s) will inform the concerned Survey Agency(s) that the replaced equipments are ready for collection at the institutes. It is to be ensured that the equipments are replaced in time to ensure uninterrupted field work for the survey.

During the course of the survey, if indent for additional equipments/consumables is raised by Survey Agency(s), the Supplier Agency(s) after necessary approval from ORGI, will ensure the smooth supply of additional equipments/consumables. These equipments should be checked for accuracy by NIHFW/NFI/ NIN/Regional Institutes of ICMR, as the case may be, before they are distributed to the Survey Agency(s).

1.3 Key Events/ Dates

Details of key events and dates are provided in table 2 below:

Table 2: Key Events /Dates

1.	Tender Inviting Authority	Office of the Registrar General, India & Census Commissioner, 2/A, Man Singh Road, New Delhi-110011
2.	Job Requirement	Appointment of Supplier Agency(s) for procurement, distribution and maintenance of Clinical, Anthropometric and Biochemical (CAB) test equipments along with the procurement & supply of requisite consumables
3.	Publication of the RFP	10th January, 2011
4.	Cost of Tender Document	Can be downloaded free of cost from www.censusindia.gov.in or Can be obtained in hardcopy for Rs.1000/- from the Office of the Registrar General, India, 2/A Mansingh Road, New Delhi – 110 011
5.	Last date for receiving queries	Upto 1700 hours on 18th January, 2011. No queries post this date shall be entertained

<table>
<tr><td>6.</td><td>Pre-bid meeting and Issue of pre-bid clarifications</td><td>1200 hours on 21st January, 2011.</td></tr>
<tr><td>7.</td><td>Last date for submission of Bids</td><td>Up to 1200 hours on 31st January, 2011</td></tr>
<tr><td>8.</td><td>Earnest Money Deposit amount payable</td><td><u>EMD for CAB Equipments & Consumables</u>

• The EMD amount varies depending on the test for which the bidder chooses to bid as indicated below:

<table><tr><th>Test Number</th><th>EMD (in INR)</th></tr><tr><td>Test – 1/2/4/6</td><td>50,000/- for each test</td></tr><tr><td>Test – 3/5</td><td>5,00,000/- for each test</td></tr></table>
Details of the tests are given in Table – 3.

<u>EMD for Bag (Back pack) for carrying CAB Equipments & Consumables</u>

• An EMD of INR 10,000/- needs to be provided if the bidder chooses to bid for Bag (Back pack) for carrying CAB Equipments & Consumables.

Note: Separate EMDs for bag and each test sets need to be submitted.</td></tr>
<tr><td>9.</td><td>Opening of the Pre-Qualification Bids</td><td>1500 hours on 31st January, 2011 at ORGI, 2A Mansingh Road, New Delhi – 110 011

(The results will be put on the website)</td></tr>
<tr><td>10.</td><td>Opening of Technical Bids</td><td>1200 hours on 2nd February, 2011 at ORGI, 2A Mansingh Road, New Delhi – 110 011

(The results will be put on the website)</td></tr>
<tr><td>11.</td><td>Technical Presentation</td><td>1200 hours onwards on 8th & 9th February, 2011 at ORGI, 2A Mansingh Road, New Delhi – 110 011.</td></tr>
</table>

		(The details of the presentation schedule will be communicated to the bidders)
12.	Date, Time & Venue for the opening of Financial / Commercial Bid for technically qualified bidders	The same shall be put on the website.
13.	Date, Time & Venue for the Pre-contract / negotiation discussion	The same shall be communicated to the bidders.

2. PRE-QUALIFICATION / ELIGIBILITY CRITERIA

The pre-qualification / eligibility criteria for the Supplier Agencies have been provided in Table 3 below:

Table 3: Pre-qualification / Eligibility Criteria

S. No.	Pre-Qualification Criteria	Proof Required
1	The Bidder should be a Company registered under Companies Act, 1956/ Society Registration Act, 1860/ Autonomous Body/ Partnership Firm in existence for the last 3 years	Copy of Certificate of Incorporation/ Registration/ MoA as applicable
2	The Bidder should have a valid PAN and Service Tax Registration in India	Copy of PAN card and Service Tax Registration certificate
3	**Average Annual Turnover:** • ***Case 1:*** If the Bidder is bidding for equipments & consumables required for any of the following tests i.e. Test – 1/2/4/6, the Supplier Agency should have a minimum average annual turnover of Rs. 25 Lakhs (Rupees Twenty-Five Lakhs) from medical equipment procurement and supply related activities during the last three financial years (i.e. 2007-08, 2008-09 & 2009-10). • ***Case 2:*** If the Bidder is bidding for equipments & consumables required for Test – 3/ 5, the bidder should have a minimum average annual turnover of Rs. 50 Lakhs (Rupees Fifty Lakhs) from medical equipment procurement and supply related activities during the last three financial years (i.e. 2007-08, 2008-09 & 2009-10).	Copy of Audited Profit and Loss Statement and Balance sheet along with statutory certificate of the auditor, clearly mentioning the average annual turnover from medical equipment procurement and supply related activities.

S. No.	Pre-Qualification Criteria	Proof Required
	• ***Case 3:*** In case the Bidder is bidding for more than one test, then the bidder should have the minimum average annual turnover of Rs. 50 Lakhs (Rupees Fifty Lakhs) from medical equipment procurement and supply related activities during the last three financial years (i.e. 2007-08, 2008-09 & 2009-10).	
	• ***Case 4:*** In case the Bidder is bidding only for Bag (Back-pack) for carrying CAB Equipments & Consumables, then the bidder should have the minimum average annual turnover of Rs. 5 Lakhs (Rupees Five Lakhs) from supply of bags during the last three financial years (i.e. 2007-08, 2008-09 & 2009-10).	
4	**Relevant Experience:** • ***Case 1:*** If the Bidder is bidding for equipments & consumables required for any one of the following tests i.e. Test – 1/2/4/6, the bidder should have completed at least 2 Work Orders worth more than Rs. 5 Lakhs (Rupees Five Lakhs) each for supplying medical equipments or machines/health equipments etc. within a period of last five years in India.	Copy of Work Order/ Certificate of Completion along with the details as per the format provided in Format **'B'** in **Annexure-4**.
	• ***Case 2:*** If the Bidder is bidding for equipments & consumables required for Test – 3/5, the bidder should have completed atleast 2 Work Orders worth more than Rs. 10 Lakhs (Rupees Ten Lakhs) each for supplying medical equipments or machines/health equipments etc. within a period of last five years in India.	

S. No.	Pre-Qualification Criteria	Proof Required
	• ***Case 3:*** If the Bidder is bidding for equipments & consumables required for more than one test, the bidder should have completed at least 2 Work Orders worth more than Rs. 10 Lakhs (Rupees Ten Lakhs) each for supplying medical equipments or machines/health equipments etc. within a period of last five years in India.	
	• ***Case 4:*** If the Bidder is bidding for Bag (Back-pack) for carrying CAB Equipments & Consumables, the bidder should have completed at least one Work Order worth at least Rs. 50,000/- (Rupees Fifty Thousand) for supply of bags for carrying medical equipments and consumables within a period of last five years in India.	
5	The Bidder should not have been blacklisted by Central/State Government departments/Undertakings	No Conviction Certificate duly signed as per Format **'C'** in **Annexure-4**.
6	In case the bidder offering to supply CAB equipment(s) (i.e. Infantometer, Wall-Mounted Height Measuring Steel Tape, Electronic Weighing Machine, Glucometer, Digital BP Battery Apparatus & Colorimeter) under this contract for which the bidder is not the manufacturer, the manufacturer needs to authorize the bidder to supply the equipments in India.	Manufacturer's Authorization Form duly signed as per Format **'D'** in **Annexure-4**.

3. SCOPE OF WORK

The Supplier Agency(s) will inter-alia, be responsible for the procurement, distribution and maintenance of CAB equipments along with the procurement & distribution of requisite consumables.

The entire scope of work for the Supplier Agency(s) can be categorized into ***Procurement of 'CAB Equipment and Consumable Set' & Bag ; Accuracy Checking and Filter Paper Re-sizing; Distribution of CAB Equipments, Consumables & Bag; & Maintenance and Replacement of CAB Equipments & Consumables***. The activities to be covered under each of these stages are enlisted below:

3.1 Procurement of 'CAB Equipment and Consumable Set' & Bag

3.1.1 Procurement of 'CAB Equipment and Consumable Set'

- The Supplier Agency(s) will be responsible for procuring CAB equipments and the requisite consumables defined as 'CAB Equipment and Consumable Set' in **Annexure 3**. Supplier Agency(s) will be responsible for procurement of all items in 'CAB Equipment and Consumable Set' for the 284 districts of the 9 AHS states

- The type of equipments & related consumables required for CAB test is given in table 4 below:

Table 4: Equipments and Consumables for different CAB Tests

'CAB Equipment and Consumable Set' No.	Test No.	Test Type	Test Name	Equipments	Consumables
CAB Equipment and Consumable Set - 1	Test - 1	Anthropometric	Length	• Infantometer	NA (Not Applicable)
			Height	• Wall-Mounted Height Measuring Steel Tape	NA (Not Applicable)
CAB Equipment and Consumable Set - 2	Test - 2	Anthropometric	Weight	• Electronic Weighing Machine	• Lithium Battery • Calibration Weights ▪ 2kgs ▪ 1 Kg ▪ 500 gms ▪ 100 gms ▪ All weights

'CAB Equipment and Consumable Set' No.	Test No.	Test Type	Test Name	Equipments	Consumables
					should be ISI certified
CAB Equipment and Consumable Set - 3	Test - 3	Biochemical	Fasting Blood Glucose estimation	• Blood Glucose estimation by Glucometer	• Glucose Strips • Lithium Battery
CAB Equipment and Consumable Set - 4	Test -4	Clinical	Blood Pressure	• Digital BP Apparatus	• Battery • Alkaline / Lithium Battery
CAB Equipment and Consumable Set - 5	Test – 5	Biochemical	Hb estimation	• Colorimeter • Constant Voltage Stabilizer	• Filter Paper (Sets of 500 Big Sheets (46 cmx57 cm)) • Pipette • Lancet • Drabkin's Solution • Solvent Ether • Distilled Water • Fixed volume automatic dispenser (Bottle Top) • 500 ml plastic bottle with screw-top • 100ml plastic bottle with screw-top • 10 ml plastic test tubes with screw-top. • 10 ml dropper plastic bottle. • Plastic self-sealing Envelope with printed label on it • Laminated Envelope with address printed on

'CAB Equipment and Consumable Set' No.	Test No.	Test Type	Test Name	Equipments	Consumables
					it • Cotton (Rolls of 1 Kg)
CAB Equipment and Consumable Set - 6	Test - 6	Biochemical	Salt Test	NA (Not Applicable)	• Salt Test Kits

- The quantity of equipments & consumables required for conducting CAB tests across 284 Districts is given in Table 5 & 6 respectively.

Table 5: Indicative number of CAB Equipments required across 284 districts in 9 AHS States

Sl.No	Test Number	CAB Test	Equipment	Quantity (in units)
1	Test -1	Length	Infantometer	194
		Height	Wall-Mounted Height Measuring Steel Tape	194
2	Test -2	Weight	Electronic Weighing Machine	194
3	Test – 3	Fasting Blood Glucose estimation	Glucometer	194
4	Test – 4	Blood Pressure	Digital BP Apparatus	194
5	Test – 5	Hb Estimation	Colorimeter	136
6	Test – 5	Hb Estimation	Constant Voltage Stabilizer	136
7	Test – 6	Salt Test	Salt Testing Kit	NA (Not Applicable)

Table 6: Indicative number of Consumables Required across 284 Districts in 9 AHS States

Test No.	Test Type	CAB Test	Consumables	Quantity (in units)
Test - 2	Anthropometric	Weight	Lithium Battery	3094
Test - 3	Biochemical	Blood Glucose	Glucose Strip	1494726
			Lithium Battery	2492
Test -4	Clinical	Blood Pressure	Depending on the type of BP Apparatus being proposed, the appropriate battery type should be quoted.	
			Alkaline Battery	39861
			Lithium Battery	2492

Test No.	Test Type	CAB Test	Consumables	Quantity (in units)
Test – 5	Biochemical	Haemoglobin estimation	Filter Paper (Sets of 500 Big Sheets (46 cmx57 cm))	12
			Pipette	4230
			Lancet	2228163
			Drabkin's Solution needs to be procured for both Lab test and Fieldwork. Hence, they need to be delivered to both the Nodal Test Labs as well as the Office of Survey Agency for that zone. The quantities required for field and lab work are indicated below.	
			Drabkin's Solution (Fieldwork)	6684
			Drabkin's Solution (Labwork)	11347
			Distilled Water	6684
			Solvent Ether	6684
			Fixed volume automatic dispenser (Bottle Top)	36
			Plastic Bottle – 500ml screw-top	479
			Plastic Bottle – 100ml screw-top	479
			Plastic Bottle – 10ml Screw Top Test- tubes	479
			10 ml dropper plastic bottle	160
			Standard Weights - 2kgs	160
			Standard Weights - 1kg	160
			Standard Weights - 500 gms	160
			Standard Weights - 100 gms	160
			Plastic self-sealing Envelope with printed label pasted on it	1856801
			Laminated Envelope with adress and other details printed on it	57528
			Cotton (Rolls of 1 Kg)	4456
Test - 6	Biochemical	Salt Test	Salt Testing Kit	4952

Note: The numbers of equipments and consumables mentioned in the above tables are only indicative and may vary during the CAB test survey. The payment to the Supplier Agency(s) shall be based on actual number of equipments and consumables supplied by the SA.

- The indicative quantities in which these equipments and consumables will be required per zone per state are provided in **Annexure-6 & Annexure-7** respectively.

- The Supplier Agency(s) can bid for more than one 'CAB Equipment and Consumable Set'. For each test, the bidder shall propose a minimum number of models of each equipment as specified in the table below:

Table 7: Minimum Number of Models for each category of test equipment proposed

Sl.No	Test Number	CAB Test	CAB Equipment	Minimum No. of Models
1	Test -1	Length	Infantometer	4
2	Test -1	Height	Wall-Mounted Height Measuring Steel Tape	4
3	Test -2	Weight	Electronic Weighing Machine	6
4	Test – 3	Fasting Blood Glucose Estimation	Glucometer	3
5	Test – 4	Blood Pressure	Digital BP Battery Apparatus	3
6	Test – 5	Hb Estimation	Colorimeter	4
7	Test – 5	Hb Estimation	Constant Voltage Stabilizer	4

- The models of equipments proposed by the bidder should strictly adhere to the specifications provided in **Annexure-8.**

3.1.2 Procurement of Bag (Back pack) for CAB Equipments & Consumables

- For carrying CAB Equipments & consumables, a bag needs to be made available for each field survey team. The SA needs to procure around * 160 bags as per the specifications provided in **Annexure-9**.

  **** Note: The quantity of bags mentioned above is only indicative and may vary as per the requirement of ORGI. The payment to the Supplier Agency(s) shall be based on actual number of bags supplied by the SA.***

3.2 Accuracy Checking and Filter Paper Re-sizing

- For checking the accuracy of the CAB Equipments & pipettes as well as for cutting filter paper to right size, the Supplier Agency(s) will be required to procure and deliver the same to NIHFW, NIN, NFI & Regional Institutes of ICMR as summarized in the Table 1 of Section 1 – 'Information to Agency(s)'

- These institutes will check the equipments for their accuracy. If during the accuracy check any equipment is found to be damaged or inaccurate, it will be the responsibility of the Supplier Agency(s) to provide a replacement for the equipment within one week from the date of notification.

- It will be the responsibility of the Supplier Agency(s) to ensure that the replacement equipments are delivered in time for accuracy checking by the respective institutes under intimation to ORGI. The survey agency(s) will follow-up with the respective institutes on the progress of accuracy check of equipments. As soon as the accuracy check is completed the Supplier Agency(s) will inform the concerned Survey Agency(s) that these replacement equipments are ready for collection at the institutes.

- Accuracy check for Pipettes and cutting Filter Papers to correct size shall be carried out by NIHFW only. During the process if pipettes and filter paper are found to be damaged, it will be the responsibility of the Supplier Agency(s) to immediately provide a replacement of the same to NIHFW within one week from the date of notification.

- Supplier Agency(s) will appoint a nodal person who will be responsible for coordinating with NIHFW, NFI, NIN and Regional Institutes of ICMR on accuracy check and other related issues.

- During the course of the survey if indent for additional equipments/consumables is raised, it will be the responsibility of Supplier Agency(s) to ensure that the equipments and select consumables (i.e. pipettes) made available well in time for them to undergo proper accuracy checks before they are supplied for fieldwork.

3.3 Distribution of CAB Equipments, Consumables & Bags

3.3.1 Distribution of CAB Equipments & Consumables

- Supplier Agency(s) will be responsible for distribution of CAB equipments to NIHFW, NFI, NIN and Regional Institutes of ICMR for accuracy checking. The numbers of equipments that will be required per zone per state are mentioned in **Annexure-6.** The list of zone-wise Institutes for delivery of equipments is provided in **Annexure-10.** The Supplier Agency(s) will take the required sign-off from the respective institutes on the safe delivery of equipments.

- Pipettes will be delivered to NIHFW only for accuracy checks. Once the accuracy check procedure is completed, the same needs to be delivered to the Zonal Office of each Survey Agency(s) by the Supplier Agency. Pipettes will be delivered in four batches as given in **Annexure-14.**

- Filter paper will first be delivered to NIHFW who will then cut the filter paper sheets to the correct size. Once these are cut, NIHFW will deliver the same in appropriate quantities to Office of Survey Agency for that zone.

- Fixed volume automatic dispenser (Bottle Top), which will be used by labs for Hb Estimation test, needs to be delivered to NIHFW, NFI and NIN and ICMR Regional Institutes. The distribution details for the same are provided in **Annexure-11.** The Supplier Agency(s) will take the required sign-off from the respective institutes on the safe delivery of fixed volume automatic dispenser (Bottle Top).

- Drabkin's Solution for lab work as given in Table 6 needs to be delivered to the Nodal test labs in batches. In the first lot 15% of the quantity specified in Annexure – 11 shall be supplied to each nodal test lab. After that, the supplier agency shall deliver the next lots on monthly basis on the indent raised by each institute.

- Plastic Bottles and Standard Weights will be directly delivered to the Zonal Office of each Survey Agency(s) by Supplier Agency(s) (as given in **Annexure -13**). The details of Survey

Agency Zonal offices for each zone shall be provided by ORGI to the selected Supplier Agency(s).

- All 'other consumables' (i.e. Lithium Battery for Weighing Machine, Glucose Strips, Lithium Battery for Glucometer, Alkaline/Lithium Battery for BP apparatus, Solvent Ether, Drabkin's Solution (for field work), distilled water, Laminated Envelope, Plastic Self-sealing envelope with printed label, Cotton & Salt Testing Kit only) shall be directly supplied to Zonal Office of each Survey Agency(s).

- The 'other consumables' will be delivered in batches to the Survey Agency Zonal offices. The details of batches in which the consumables need to be supplied to the Survey Agency(s) are provided in the Implementation Schedule in Section 4 of this RFP.

- The Supplier Agency(s) will take the required sign-off from the Office of Survey Agency(s) for that zone on the safe delivery of all consumables.

- Distribution of the CAB consumables to the field survey teams in each district for each zone will be the responsibility of the Survey Agency for that zone.

Note:

1. ***Unit-wise distribution details of the equipments needed for fieldwork (i.e. Infantometer, Wall-Mounted Height Measuring Steel Tape, Electronic Weighing Machine, Glucometer & Digital BP Battery Apparatus) to the respective nodal training institutes is provided in Annexure- 10.***

2. ***Unit-wise distribution details of the equipments and consumables needed for lab work for Hb Estimation Test [i.e. Colorimeter, Constant Voltage Stabilizer, Fixed volume automatic dispenser (Bottle Top) & Drabkin's Solution] to the respective nodal test labs is provided in Annexure- 11.***

3. ***Unit-wise distribution details of the consumables needed for fieldwork (i.e. Lithium Battery for Weighing Machine, Glucose Strips, Lithium Battery for Glucometer, Alkaline/Lithium Battery for BP apparatus, Solvent Ether, Drabkin's Solution, distilled water, Laminated Envelope, Plastic Self-sealing envelope with printed label, Cotton, Plastic Bottles, Standard Weights & Salt Testing Kit only) to the respective Office of the Survey Agency for that zone is provided in Annexures - 7 & 13.***

3.3.2 Distribution of Bag (Back pack) for CAB Equipments & Consumables

- Bag (back packs) for carrying CAB Equipments and consumables need to be delivered to Nodal Training Institutes (i.e. NIHFW, NFI and Regional Institutes of ICMR). The detail of the distribution of the same is provided

3.4 Maintenance and Replacement of CAB Equipments & Consumables

- The responsibility of the Supplier Agency(s) for maintenance and replacement is as enlisted below:
    - Supplier Agency(s) will take adequate measures for ensuring that maintenance/replacement request of CAB equipments is serviced within one week from the date of request raised by the Survey Agency(s) during the survey period.
    - Supplier Agency(s) will take adequate measures for ensuring that maintenance/replacement request of Colorimeter is serviced within one week from the date of request raised by the respective NIHFW,NFI, NIN and ICMR Regional Research Institutions.
- Supplier Agency(s) will be responsible for coordinating all issues on maintenance and replacement of CAB equipments with the Manufacturers, NIHFW, NFI, NIN and ICMR Regional Research Institutions. Any inaccurate or damaged equipment should be replaced within one week from the date of notification.

Any other activity(s) which is essential for the successful completion of the 'Procurement, Distribution and Maintenance of Clinical, Anthropometric and Biochemical (CAB) Test Equipments and consumables' shall also be the responsibility of the Supplier Agency(s).

4. IMPLEMENTATION SCHEDULE

The services of the appointed supplier agency(s) shall commence from the date of signing of contract with ORGI. The supplier Agency(s) shall be required to deliver the following according the timelines given below:

Sl. No.	Deliverables / Activities	Timelines (weeks)
A.	**Back Pack (Bags)**	
1.	Delivery of 100% quantity of Bags (back pack) for carrying CAB equipments & consumables to NIHFW, NFI & Regional Institutes of ICMR.	To+1
B.	**CAB Equipments**	
1	Delivery of 100% quantity of Infantometer, Wall-Mounted Height Measuring Steel Tape, Electronic Weighing Machine, Glucometer & Digital BP Battery Apparatus to Training Institutes (i.e.NIHFW, NFI & Regional Institutes of ICMR)	To+1
2	Delivery of 100% quantity of Colorimeter and Constant Voltage Stabiliser to Nodal Test Labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR)	To+1
3	Maintenance of the all the above CAB equipments	To till To+45
C.	**Consumables**	
C 1. Select Consumables		
C 1.1. Pipettes		
1.	Delivery of 100% of pipettes for Hb estimation test to NIHFW for checking accuracy of pipettes.	To+1
2.	Delivery of pipette Batch -1 (as given in Annexure – 14) to the respective Zonal Office of the Survey Agency upon completion of accuracy check for pipettes by NIHFW.	To+2
3.	Delivery of pipette Batch -2 (as given in Annexure – 14) to the respective Zonal Office of the Survey Agency upon completion of accuracy check for pipettes by NIHFW.	To+3
3.	Delivery of pipette Batch -3 (as given in Annexure – 14) to the respective Zonal Office of the Survey Agency upon completion of accuracy check for pipettes by NIHFW.	To+5
4.	Delivery of pipette Batch -4 (as given in Annexure – 14) to the respective Zonal Office of the Survey Agency upon completion of accuracy check for pipettes by NIHFW.	To+8
C 1.2. Filter Papers		
1.	Delivery of 100% of filter paper for Hb estimation test to NIHFW for cutting to right size.	To+1
C 1.3. Fixed volume automatic dispenser (Bottle Top)		
1.	Delivery of 100% of Fixed volume automatic dispenser (Bottle Top) for Hb estimation test to Nodal Test Labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR)	To+1
C 1.4. Drabkin's Solution (Lab Work)		
1.	Delivery of 15% of Drabkin's Solution for Hb estimation test to Nodal Test Labs (i.e. NIHFW, NFI, NIN & Regional Institutes of	To+1

Sl. No.	Deliverables / Activities	Timelines (weeks)
	ICMR)	
2.	Delivery of second batch of Drabkin's Solution for Hb estimation test to Nodal Test Labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR) as per the request raised by the labs	To+5
3.	Delivery of third batch of Drabkin's Solution for Hb estimation test to Nodal Test Labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR) as per the request raised by the labs	To+9
4.	Delivery of fourth batch of Drabkin's Solution for Hb estimation test to Nodal Test Labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR) as per the request raised by the labs	To+13
5.	Delivery of fifth batch of Drabkin's Solution for Hb estimation test to Nodal Test Labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR) as per the request raised by the labs	To+17
6.	Delivery of sixth batch of Drabkin's Solution for Hb estimation test to Nodal Test Labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR) as per the request raised by the labs	To+17
7.	Delivery of seventh batch of Drabkin's Solution for Hb estimation test to Nodal Test Labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR) as per the request raised by the labs	To+25
8.	Delivery of eighth batch of Drabkin's Solution for Hb estimation test to Nodal Test Labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR) as per the request raised by the labs	To+29
C 1.5. Calibration Weights		
1.	Delivery of 100% quantity of Calibration Weights to Zonal Office of the Survey Agency.	To+1
C 1.6. Plastic Bottles for Chemicals/ Solutions/ any other Liquid Item		
1.	Delivery of 100% quantity of Plastic Bottles for Chemicals/ Solutions/ any other Liquid Item to Zonal Office of the Survey Agency.	To+1
C 2. 'Other Consumables' for field work (i.e. Lithium Battery for Weighing Machine, Glucose Strips, Lithium Battery for Glucometer, Alkaline/Lithium Battery for BP apparatus, Solvent Ether, Drabkin's Solution, distilled water, Laminated Envelope, Plastic Self-sealing envelope with printed label, Cotton & Salt Testing Kit only)		
1	Delivery of first batch of 8 weeks supply of 'Other Consumables' directly to the zonal office of the Survey Agency(s) based on the request raised for supply by the Survey Agency(s).	To+1
2	Delivery of second batch of 'Other Consumables' directly to the zonal office of the Survey Agency(s) based on the request raised for supply by the Survey Agency(s).	To+6
3	Delivery of third batch of 'Other Consumables' directly to the zonal office of the Survey Agency(s) based on the request raised for supply by the Survey Agency(s).	To+10
4	Delivery of fourth batch of 'Other Consumables' directly to the zonal office of the Survey Agency(s) based on the request raised for supply by the Survey Agency(s).	To+ 14

Sl. No.	Deliverables / Activities	Timelines (weeks)
5	Delivery of fifth batch of 'Other Consumables' directly to the zonal office of the Survey Agency(s) based on the request raised for supply by the Survey Agency(s).	To+18
6	Delivery of sixth batch of 'Other Consumables' directly to the zonal office of the Survey Agency(s) based on the request raised for supply by the Survey Agency(s).	To+22
7	Delivery of seventh batch of 'Other Consumables' directly to the zonal office of the Survey Agency(s) based on the request raised for supply by the Survey Agency(s).	To+26
8	Delivery of eight batch of 'Other Consumables' directly to the zonal office of the Survey Agency(s) based on the request raised for supply by the Survey Agency(s).	To+30
D.	**Training Material**	
9	For training purpose, the Supplier Agency(s) needs to deliver the consumables as per the **Table 2 in Annexure 10** to the respective training institutes (i.e. NIHFW, NFI & Regional Institutes of ICMR)	To+1

Note:
To is the date of signing of the contract between ORGI and the Supplier Agency.

5. PAYMENT SCHEDULES

The Payment Schedule for the Supplier Agency(s) for 'Tests-1 to 6' is given in the table below:

Sl. No.	Installment	Timeline	% of Total Fee	Time of Payment
1.	First Installment	Fourth (4th) week from signing of Contract	40% of contract value	• The Supplier Agency(s) should submit Performance Bank Guarantee (PBG) equivalent to 10% of the contract value. • Payment for First installment shall be made on the successful delivery of the following: o 100% quantity of Bags (back pack) for carrying CAB equipments & consumables to Nodal Training Institutes (i.e. NIHFW, NFI & Regional Institutes of ICMR). o 100% quantity of Infantometer, Wall-Mounted Height Measuring Steel Tape, Electronic Weighing Machine, Glucometer & Digital BP Battery Apparatus to Nodal Training Institutes (i.e. NIHFW, NFI & Regional Institutes of ICMR). o 100% quantity of colorimeter, Constant Voltage Colorimeter, fixed volume automatic dispenser to nodal test labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR). o 15 % of quantity of Drabkin's Solution to the

Sl. No.	Installment	Timeline	% of Total Fee	Time of Payment
				nodal test labs (i.e. NIHFW, NFI, NIN & Regional Institutes of ICMR). o Batch 1 & 2 of the pipette as per Annexure 14 to the Zonal Office of Survey Agency(s) (applicable for test 5) o 100% quantity of filter paper to the NIHFW. o 100% quantity of calibration weights to the Zonal Office of Survey Agency(s). o 100% quantity of plastic bottles to the Zonal Office of Survey Agency(s). o Delivery of First Batch of 'Other Consumables' (as defined in delivery schedule) to the Zonal Office of Survey Agency(s). o 100% quantity of training material to the Nodal Training Institutes (i.e. NIHFW, NFI & Regional Institutes of ICMR).
2.	Second Installment	Eighteenth (18th) week from signing of Contract	30% of contract value	• Payment for the Second installment shall be made on the successful delivery of the following: o Second, Third, Fourth and Fifth Batch of 'Other Consumables' (as defined in delivery schedule) to the Zonal Office of Survey Agency(s). • Batch 3 & 4 of the pipette as per Annexure 14 to the Zonal

Sl. No.	Installment	Timeline	% of Total Fee	Time of Payment
				Office of Survey Agency(s) (applicable for test 5) • Maintenance and Replacement of Infantometer, Wall-Mounted Height Measuring Steel Tape, Electronic Weighing Machine, Glucometer, Digital BP Battery Apparatus & Colorimeter, if any.
3.	Third Installment	Fortieth (40th) week from signing of Contract	30% of contract value	• Payment for the Third installment shall be made on the successful delivery of the following: o Sixth, Seventh and Eight Batch of 'Rest of the Consumables" (as defined in delivery schedule) to the Zonal Office of Survey Agency(s). • Maintenance and Replacement of Infantometer, Wall-Mounted Height Measuring Steel Tape, Electronic Weighing Machine, Glucometer, Digital BP Battery Apparatus & Colorimeter, if any.

Note:

- The first two installments of payment shall be made on the basis of estimated numbers of CAB Equipments, Consumables and Bags as indicated in this RFP. The payment towards Equipments and consumables supplied over and above the estimated number of CAB equipments and consumables shall be made along with the third and final payment.

- Supplier Agency(s) should take appropriate sign-offs on delivery of Bags, CAB equipments and consumables.

6. GUIDELINES FOR SUBMISSION OF PROPOSAL

6.1 Pre-Qualification Proposal

In preparing the Pre-qualification Proposal, Agencies are expected to examine the documents comprising this RFP in detail. The Pre-qualification Proposal shall include the following information:

a. Letter of Transmittal (Format 'A' in Annexure 4) duly signed by authorized signatory. Please attach the Power of Attorney for the authorized signatory.

b. Copy of Certificate of Incorporation/ Registration/ MoA as applicable

c. Copy of PAN card and Service Tax Registration Certificate

d. Copy of Audited Profit and Loss Statement and Balance sheet along with statutory certificate of the auditor, clearly mentioning the average annual turnover from medical equipment procurement and supply related activities.

e. Copy of Work Order/ Certificate of Completion; along with the details as per Format 'B' in Annexure-4.

f. 'No Conviction Certificate' duly signed as per Format 'C' in Annexure-4.

g. 'Manufacturer's Authorization Form' duly signed as per Format 'D' in Annexure-4.

6.2 Technical Proposal

In preparing the Technical Proposal, Agencies are expected to examine the documents comprising this RFP in detail. The Technical Proposal shall include the following information:

a. Letter of Transmittal (Format 'A' in Annexure - 5) duly signed by authorized signatory. Please attach the Power of Attorney for the authorized signatory.

b. Brief Summary of all the 'CAB Equipment and Consumables Set' the bidder is bidding for, along with the model name of each equipment being proposed by the bidder & also requisite consumables (*If more than one type of consumables is available for a particular brand, the bidder will be required to bid for all types of consumables separately and provide the details of the same).* The format for providing the summary in the technical proposal is given in Format 'B' in Annexure – 5.

c. Details of all line items in each 'CAB Equipment and Consumable Set' along with their specification and their compliance with the specifications as stated in this RFP. The format for the same is given in Format 'C' in Annexure – 5.

In case of Bag (Back-pack) for carrying CAB Equipments & Consumables, the bidder needs to provide its compliance to the specifications stated in the RFP and adherence to the delivery schedules.

The bidders who have qualified the Pre-Qualification bid need to submit at least five working equipments along with their consumables for each model they are bidding for, free of cost. The bidders will also supply consumables to enable the Technical Evaluation Committee (TEC) to conduct 50 tests per device. These equipments and consumables will be used by the TEC to evaluate the equipments and will be returned to the supplier agency(s) thereafter. The decision of the Technical Evaluation Committee will be binding on the bidders.

The bidder may be required to make presentation as well as perform a demonstration of use of CAB equipments before the Bid Evaluation Committee including the 'Expert Group'.

6.3 Financial Proposal

a. The bidder should submit separate financial quotes for:

- Each proposed model of equipment and each type of consumable proposed for 'CAB Equipment and Consumable Set'. The financial quotes for each model/ type of consumable should cover the entire cost of procurement, distribution, maintenance and replacement of any equipment or consumable.
- Bag (Back pack) for CAB Equipments & Consumables. The financial quote should be provided on per unit basis.

b. The financial quote for each model should include unit cost of equipment as well as *unit cost of each consumable. The agency has to build in all these costs and provide ORGI with a single cost per option of different model for each test. The formulae for calculation of total cost of the equipment model and related consumables are given in the format provided in **Annexure-15.**

c. The cost quoted should be inclusive of all taxes.

**unit* *specifies single quantity of the consumable i.e. if the consumables are packaged in packs /lots only, the cost of a single unit of the pack/lot needs to be provided.*

7. EVALUATION CRITERIA

ORGI will constitute the Technical Evaluation Committee (TEC) which will include an 'Expert Group' comprising of medical experts who have experience of conducting such elementary tests for field surveys.

ORGI will adopt a three stage bid evaluation process, pre-qualification stage; technical evaluation stage; & financial evaluation stage.

The Bid Evaluation Committee will examine the Pre-qualification, Technical and Financial bids of the bidders who qualify each stage. The TEC during the technical evaluation stage will take the help of any reputed health institution/lab for conducting the actual tests on the equipments provided by the bidders.

7.1 Selection Process

Agencies have to submit separate bids for bags and separate bids for each 'CAB Equipment and Consumables Sets'. The bids would be evaluated set-wise ('CAB Equipment and Consumables Sets') or bag-wise (as the case may be) and the evaluation would be based on L1 (Lowest Financial Bid selection).

A three-stage procedure to be adopted in evaluating the proposals is given below:

(I) **First Stage:** The submitted Pre-qualification bids will be evaluated first. Any proposal not meeting any of the pre-qualification requirements will be summarily rejected. Only those bids which meet pre-qualification / eligibility criteria requirements will be eligible for technical evaluation.

(II) **Second Stage:** ORGI during the technical evaluation process may request the bidder to make a presentation as well as to provide demonstration of equipments at ORGI office as per the schedule provided in this RFP. TEC will examine all the models of equipments submitted by the bidders for checking their compliance with the technical specifications given in this RFP as well as against benchmarks defined by TEC for technical evaluation. Each model of Equipment will be tested by TEC and those which meet specifications for sensitivity, specificity and accuracy norms will be recommended for technical qualification. Based on the technical proposal/ presentation/ demonstration of equipment/ technical recommendation, the technical bid for each bidder would be evaluated by the TEC.

(III) **Third Stage:** Financial proposals for all equipments along with relevant consumables and bags which qualify technical evaluation will be opened. Financial proposals for each set of CAB Test and Bag (as the case may be) will be ranked on the basis of lowest quoted rates.

7.2 Technical Evaluation Criteria

Based on the equipments submitted by bidders during the technical evaluation stage, the TEC will examine the different models of equipments for their conformity to technical specification of equipments laid down in Annexure-8 in this bid.

Based on the examination of the technical bid and technical recommendation of TEC, the TEC will finalize the models of equipments which clear the technical evaluation stage. All decisions taken by the TEC including those taken during the technical evaluation will be binding on the bidder.

In case of Bag (Back-pack) for carrying CAB Equipments & Consumables, the bids shall be evaluated based on their compliance with the specifications stated in the RFP, adherence to the delivery schedules and other details specified in the RFP.

7.3 Financial Evaluation Criteria

A separate and single financial quote for each model of CAB equipment along with the per unit quote for all types of consumables to be used should be submitted by the bidders. The financial quotes will be opened only with respect to those models/equipments which have qualified technically. The final selection of the equipment would be based on the lowest cumulative financial cost, i.e. equipment & consumables cost for a particular test based on the financial formula given in **Annexure 15**.

A separate per unit quote for Bag (Back-pack) for carrying CAB Equipments & Consumables needs to be submitted by the bidders. The financial quotes of only the technically qualified bids shall be opened.

7.4 Award of Contract

- ORGI will only notify the Agency(s) whose proposal meets the minimum requirements of the RFP. The notification will be sent by registered post/ telex/ Fax/ email or may be posted on the website of ORGI.
- ORGI shall reserve the right to negotiate with the bidder (s) for the financials of each test (equipments as well as consumables) or bag. The bidder with the lowest financial bid (L1) in a particular test category shall be called first for negotiation. If ORGI is unable to finalize a service agreement with the bidder, ORGI may proceed to the next bidder (L2), and so on until a contract is awarded. ORGI reserves the right to present a contract to any of the bidder selected for negotiations. A contract will be awarded to the responsible, responsive bidder whose proposal conforms to the RFP and is, in the opinion of the ORGI, the most advantageous and represents the best value to the project, price and other factors considered.
- The Evaluation Committee will determine whether the financial proposal/ information is complete in all respects and the decision of the Evaluation Committee shall be final.
- The proposal will be valid for 180 days from the date of submission; ORGI will make its best effort to select the supplier agency within this period.
- Cost of preparing the proposal and incidental expenses shall be borne by the bidders and the ORGI will in no case be responsible or liable for these expenses regardless of the conduct or outcome of the tenders.
- On completion of the process of selection, the agency selected shall be awarded the contract of procurement, distribution and maintenance of CAB equipments and procurement and supply of consumables by issuing the Letter of Intent (LOI). The date of issue of LOI shall be the deemed date of commencement of the assignment and shall be completed as per the period stipulated in the contract. Within 30 days of issue of LOI, the supplier agency should execute an agreement with the ORGI.
- The successful Supplier Agency(s) cannot sublet the assignment to other individual/ firms/ organizations.
- The fee will be subject to taxes, cesses, etc. as per the applicable Indian laws.
- The bidder(s) should furnish the detailed address, telephone number, fax number and electronic mail address for proper and fast communications.
- Information/ clarification, if any, may be obtained from Shri Bhaskar Mishra, Deputy Registrar General, Office of Registrar General of India, West Block – I, R.K.Puram, New Delhi – 110 066, Telephone: 011-26100678, Fax: 011-26104012, E-mail: bmishra97.rgi@censusindia.gov.in. The bidder may submit its query either directly at ORGI office or through email, courier etc.

8. SUBMISSION OF BIDS

The bidder shall submit a sealed envelope consisting of two (2) copies of all the bid documents. Both of the copies of the bids (Original and Duplicate) must consist of the following:

- Pre-qualification superscribing on the right hand side top of the envelope as Pre-qualification Bid
- Technical proposal superscribing on the right hand side top of the envelope as Technical Bid and the tests or bag for which this technical bid is being submitted.
- Commercial proposal superscribing on the right hand side top of the envelope as Commercial Bid with the model of 'CAB Equipment and Consumables Set <<1-6>>' or bags for which this commercial bid is being submitted.
- The envelopes containing the Technical proposal for all tests that the bidder chooses to bid for & Commercial Proposal for each equipment model along with related consumables has to be enclosed in another envelope, clearly superscribing the, original/duplicate copy, contents of the envelope, the tests and the model of the enclosed proposals.

  Note: For each test, separate sealed envelopes containing technical and commercial proposal for all models proposed for that test needs to be submitted.

- All the pages of the Financial Proposal shall be duly signed by the authorized signatory of the bidder before submission. Corrections, if any, shall be countersigned. The Bidder should submit the Bid in the prescribed annexed Performa only, failing which the offer shall be summarily rejected.

9. GENERAL INSTRUCTIONS AND TERMS & CONDITIONS

a) The proposal along with all the correspondence and documents relating to the RFP exchanged by the Agency and ORGI shall be written in English.

b) **Amendments to the tender:** ORGI reserves every right to amend any of the tender conditions or a part thereof before the last date for the receipt of the tender, if necessary. Amendments, if any, would be put on the web. The decision of extending the due date and time for the submission of tender documents on account of amendments will be the sole discretion of ORGI.

c) ORGI reserves the right to cancel the RFP at any stage without assigning any reason.

d) **Earnest Money deposit**: The bidders should furnish an Earnest Money Deposit of requisite amount depending on the test for which the bidder has applied by means of Demand Draft/ Banker Cheque drawn on any Nationalized Bank / Scheduled Bank payable in favour of the "**Registrar General, India**". The Demand Draft/Banker Cheque for the earnest money shall be put in the envelope for the Prequalification Bid as the technical and Commercial Bid would be opened only in respect of those bidders who qualify the prequalification criteria. The Tenders received without the Earnest Money Deposit will be summarily rejected. In the case of successful bidders, the Earnest Money Deposit will be adjusted towards the Performance Security to be payable on request. In case of unsuccessful bidders, the Earnest Money Deposit will be refunded within a reasonable time. The amount remitted towards Earnest Money Deposit is liable to be forfeited in case the bidder resiles from his offer after submission of the tender or after the acceptance of the offer by ORGI or fail to sign the contract or to remit the Security Deposit. No interest will be payable by the ORGI on the Earnest Money Deposited / remitted.

e) **Performance Bank Guarantee (PBG):** The successful bidder shall at his own expense deposit with ORGI, within fifteen (15) working days of the date of notice of award of the contract or prior to signing of the contract whichever is earlier, an unconditional and irrevocable Performance Bank Guarantee (PBG) from a Nationalized / Scheduled bank payable in favour of the "**Registrar General, India**", for the due performance and fulfillment of the contract by the bidder.

   This Performance Bank Guarantee (PBG) will be for an amount equivalent to 10% of the contract value. All incidental charges whatsoever such as premium, commission etc. with respect to the performance bank guarantee shall be borne by the bidder. The performance bank guarantee may be discharged/ returned by ORGI upon being satisfied that there has been due performance of the obligations of the bidder under the contract. However, no interest shall be payable on the performance bank guarantee.

f) No proposal shall be accepted unless it is properly sealed. Agency shall not be allowed to fill in or seal their proposal at the ORGI office. The documents should be sent by speed post/ registered post/courier or hand delivered.

g) If the envelope is found to be open, not sealed and not marked as instructed above, ORGI will not be responsible for misplacement or premature opening of the proposal submitted. Any proposal opened prematurely due to this cause shall be rejected.

h) The bidder is advised to attach any additional information that is considered necessary in regard to establish its capabilities. No further information will be entertained after submission of application unless it is required by ORGI. The ORGI, however, reserves the right to call for additional information and clarification on information submitted by the bidders.

i) Proposals must be received by ORGI at the address specified not later than the date and time specified in the Invitation of RFP. Proposals received after the due date and time specified will automatically be rejected. In case the specified date for the submission of proposal being declared holiday by the ORGI, the same will be received on next working day with the same specified time.

j) **Opening of tender:** Sealed tenders received up to **1100 hrs on 31st January, 2011** will be taken up for opening. Tenders received after specified date and time will not be accepted. ORGI reserves the right to disqualify any of the tenders in case it is not satisfied with the documents furnished or otherwise without assigning any reasons thereof. Any efforts by an agency to influence the ORGI personnel or representative on matters relating to proposals under study in the process of examination, clarification, evaluation and comparison of proposal and in decision concerning award of contract shall result in the rejection of the Agency's proposal and also lead to blacklisting of the agency.

k) Failing to execute the contract Agreement within the stipulated period may result in termination of contract and award of the same to other agency/ agencies at the risk and cost of the Agency.

l) The person to sign the contract agreement shall be duly authorized.

m) **Arbitration:** Should any dispute arise, it may be referred to a sole arbitrator appointed on mutual consent.

n) **Termination for Insolvency:** The ORGI may at any time terminate the Contract Agreement by giving a written notice to the Agency. Termination of contract will be without compensation to the Agency provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the ORGI.

o) The prospective Supplier Agency(s) are allowed to bid for any number of CAB test equipments/consumables or bags. The final decision on finalization of particular model for CAB equipment set for procurement remains the sole prerogative of ORGI.

p) Supplier Agency(s) should cooperate completely with NIHFW, ORGI and other nodal training institutes during the process of validation of CAB equipments and quality check of consumables.

q) In case errors/damages/defects are observed in CAB equipments and consumables, ORGI may request the Supplier Agency(s) to replace the same during the course of the survey with no extra cost implications to ORGI.

r) Warranty for CAB equipments shall remain valid for at least 1 (One) year period. No conditional warranty from the Supplier Agency(s) like mishandling, manufacturing defects etc. will be acceptable. Warranty should be inclusive of all accessories, also covering plastic & glass parts; all kinds of sensors (if any); replacement of defective batteries etc. The warranty should include, onsite maintenance, spare-part replacement and complete replacement services.

s) The validity of 'Financial Quote'/Cost for the equipments and consumables quoted by the Supplier Agency(s) shall be applicable at least for a period of 12 months from the date of signing of the contract.

t) ORGI may extend the duration of the maintenance period if the survey period is extended with no extra cost implications on ORGI.

u) Failure to comply with the timelines as indicated in the Implementation Schedule will invite suitable penalties.

v) Failure to comply with the quality control procedure and SLAs will invite suitable penalties.

ANNEXURES

Annexure 1: Zone-wise distribution of districts

State	Zones	No. of Districts	Names of Districts	Total No. of Districts
Assam	A1	11	Tinsukia, Dibrugarh, Sibsagar, Nagaon, Jorhat, Golaghat, Karbi Anglong, North Cachar Hills, Cachar, Karimganj, Hailakandi	23
	A2	12	Dhubri, Kokrajhar, Bongaigaon, Barpeta, Goalpara, Nalbari, Darrang, Kamrup, Sonitpur, Marigaon, Lakhimpur, Dhemaji	
Bihar	B1	20	Pashchim Champaran, Purba Champaran, Sheohar, Sitamarhi, Madhubani, Supaul, Araria, Kishanganj, Purnia, Katihar, Madhepura, Saharsa, Darbhanga, Muzaffarpur, Gopalganj, Siwan, Saran,Vaishali, Samastipur, Khagaria	37
	B2	17	Banka, Munger, Lakhisarai, Sheikhpura, Nalanda, Patna, Bhojpur, Buxar, Kaimur(Bhabua), Rohtas, Jehanabad, Aurangabad, Gaya, Nawada, Jamui, Bhagalpur, Begusarai	
Chhattisgarh	C1	16	Dantewada, Bastar, Kanker, Rajnandgaon, Durg, Dhamtari, Raipur, Mahasamund, Kawardha, Bilaspur, Korba, Janjgir Champa, Raigarh, Jashpur, Surguja, Koriya	16
Jharkhand	J1	10	Garhwa, Palamu, Chatra, Hazaribagh, Kodarma, Giridih, Deoghar, Godda, Sahibganj, Pakaur	18

State	Zones	No. of Districts	Names of Districts	Total No. of Districts
	J2	8	Dhanbad, Dumka, Bokaro, Ranchi, Lohardaga, Gumla, Pashchimi Singhbhum, Purbi Singhbhum	
Madhya Pradesh	M1	23	Tikamgarh, Chhatarpur, Panna, Sagar, Damoh, Satna, Rewa, Umaria, Shahdol, Sidhi, Katni, Jabalpur, Narsimhapur, Dindori, Mandla, Chhindwara, Seoni, Balaghat, Hoshangabad, Harda, Betul, Raisen, Vidisha	45
	M2	22	Bhind, Gwalior, Datia, Neemuch, Mandsaur, Ratlam, Ujjain, Shajapur, Dewas, Jhabua, Dhar, Indore, West Nimar, Rajgarh, Bhopal, Sehore, Sheopur, Morena, Shivpuri, Guna, Barwani, East Nimar	
Orissa	O1	14	Bargarh, Jharsuguda, Sambalpur, Debagarh, Sundargarh, Kendujhar, Mayurbhanj, Baleshwar, Bhadrak, Kendrapara, Jajapur, Dhenkanal, Anugul, Balangir	30
	O2	16	Jagatsinghpur, Cuttack, Nayagarh, Khordha, Puri, Ganjam, Gajapati, Kandhamal, Baudh, Sonapur, Nuapada, Kalahandi, Rayagada, Nabarangpur, Koraput, Malkangiri	
Rajasthan	R1	14	Ganganagar, Hanumangarh, Bikaner, Churu, Jhunjhunu, Alwar, Bharatpur, Dausa, Jaipur, Sikar, Nagaur, Jodhpur, Jaisalmer, Ajmer	32
	R2	18	Sawai Madhopur, Barmer, Jalor, Sirohi,Pali, Tonk, Bundi, Bhilwara, Rajsamand, Udaipur, Dungarpur, Banswara, Chittaurgarh, Kota, Baran, Jhalawar, Dhaulpur, Karauli	

State	Zones	No. of Districts	Names of Districts	Total No. of Districts
Uttar Pradesh	U1	23	Saharanpur, Muzaffarnagar, Bijnor, Moradabad, Rampur, Jyotiba Phule Nagar, Meerut, Baghpat, Ghaziabad, Gautam Buddha Nagar, Bulandshahar, Aligarh, Hathras, Mathura, Agra, Firozabad, Etah, Mainpuri, Budaun, Bareilly, Pilibhit, Shahjahanpur, Kannauj	70
	U2	23	Farrukhabad, Etawah, Kheri, Sitapur, Hardoi, Unnao, Lucknow, Rae Bareli, Auraiya, Kanpur Dehat, Kanpur Nagar, Jalaun, Jhansi, Lalitpur, Hamirpur, Mahoba, Banda, Chitrakoot, Fatehpur, Barabanki, Bahraich,Gonda, Sultanpur	
	U3	24	Shrawasti, Pratapgarh, Kaushambi, Allahabad, Faizabad, Ambedkar Nagar, Balrampur, Siddharthnagar, Basti, Sant Kabir Nagar, Maharajganj, Gorakhpur, Kushinagar, Deoria, Azamgarh, Mau, Ballia, Jaunpur, Ghazipur, Chandauli, Varanasi, Sant Ravidas Nagar Bhadohi, Mirzapur, Sonbhadra	
Uttarakhand	Ut1	5	Dehradun, Uttarkashi, Hardwar, Tehri Garhwal, Garhwal	13
	Ut2	8	Almora, Bageshwar, Chamoli, Pittorgarh, Udham Singh Nagar, Champawat, Nainital, Rudraprayag	
Total	**18**	**284**		**284**

Annexure 2: Nodal Training and Nodal Test Labs (Zone-wise)

S.No.	State	Zone	Nodal Test Lab	Nodal Training Institutes
1	**Assam**	**A1**	**Regional Medical Research Centre,** North-east region, Post Office Lahowal Dibrugarh-786 001, Assam, India	**Regional Medical Research Centre,** North-east region, Post Office Lahowal Dibrugarh-786 001, Assam, India
		A2		
2	**Uttar Pradesh**	**U1**	**Nutrition Foundation of India** C-13, Qutab Institutional Area New Delhi - 110 016, India	**National Institute of Health and Family Welfare** Munirka, New Delhi**, India**
		U2	**National Institute of Health and Family Welfare** Munirka, New Delhi**, India**	
		U3		
3	**Uttarakhand**	**Ut1**	**Nutrition Foundation of India** C-13, Qutab Institutional Area New Delhi - 110 016, India	**National Institute of Health and Family Welfare** Munirka, New Delhi**, India**
		Ut2		**Nutrition Foundation of India** C-13, Qutab Institutional Area New Delhi - 110 016, India
4	**Bihar**	**B1**	**National Institute of Nutrition** Jamai-Osmania PO Hyderabad-500 007, India	**Nutrition Foundation of India** C-13, Qutab Institutional Area New Delhi - 110 016, India
		B2	**Nutrition Foundation of India** C-13, Qutab Institutional Area New Delhi - 110 016, India	
5	**Rajasthan**	**R1**	**Desert Medical Research Centre** Pali Road, Jodhpur – 342005, India	**Desert Medical Research Centre** Pali Road, Jodhpur – 342005, India
		R2		
6	**Madhya Pradesh**	**M1**	**Regional Medical Research Centre for Tribals,**	**Regional Medical Research Centre for Tribals,** R.M.R.C.Complex,

S.No.	State	Zone	Nodal Test Lab	Nodal Training Institutes
		M2	R.M.R.C.Complex, Nagpur Road, P.O. Garha, Jabalpur-482003,Madhya Pradesh, India	Nagpur Road, P.O. Garha, Jabalpur-482003,Madhya Pradesh, India
7	**Chhattisgarh**	**C1**	**National Institute of Nutrition** Jamai-Osmania PO Hyderabad-500 007, India	**Nutrition Foundation of India** C-13, Qutab Institutional Area New Delhi - 110 016, India
8	**Jharkhand**	**J1**	**National Institute of Nutrition** Jamai-Osmania PO Hyderabad-500 007, India	**Nutrition Foundation of India** C-13, Qutab Institutional Area New Delhi - 110 016, India
		J2		
9	**Orissa**	**O1**	**Regional Medical Research Centre,** Chandrasekharpur, Nandankanan Road Bhubaneswar-751016, India	**Regional Medical Research Centre,** Chandrasekharpur, Nandankanan Road Bhubaneswar-751016, India
		O2		

Annexure 3: CAB Equipment and Consumable Sets

There are 6 (six) 'CAB equipment and consumable sets'. These 'CAB Equipment and Consumable Sets' have been defined below:

Table 1: CAB Equipment and Consumable Set - 1

CAB Equipment and Consumable Set - 1	
Test 1 - Length / Height	
Sl.No.	**Equipments**
E 1.1	Infantometer
E 1.2	Wall-Mounted Height Measuring Steel Tape
Sl.No.	**Consumables**
	No Consumable in ***'CAB Equipment and Consumable Set - 1'***

Table 2: CAB Equipment and Consumable Set - 2

CAB Equipment and Consumable Set - 2	
Test 2 – Weight	
Sl.No.	**Equipments**
E 2.1	Electronic Weighing Machine
Sl.No.	**Consumables**
C 2.1	Lithium Battery compatible with Electronic Weighing Machine
C 2.2	Calibration Weights

Table 3: CAB Equipment and Consumable Set - 3

CAB Equipment and Consumable Set - 3	
Test 3 - Blood Glucose	
Sl.No.	**Equipments**
E 3.1	Glucometer
Sl.No.	**Consumables**
C 3.1	Glucose Strips
C 3.2	Lithium Battery compatible with Glucometer

Table 4: CAB Equipment and Consumable Set - 4

CAB Equipment and Consumable Set - 4	
Test 4 - Blood Pressure	
Sl.No.	**Equipments**
E 4.1	Digital BP Battery Apparatus
Sl.No.	**Consumables**

CAB Equipment and Consumable Set - 4	
Test 4 - Blood Pressure	
C 4.1	Lithium Battery or Alkaline Battery as the case may be, compatible with Digital BP Apparatus

Table 5: CAB Equipment and Consumable Set - 5

CAB Equipment and Consumable Set - 5	
Test 5 - Hb Estimation	
Sl.No.	**Equipments**
E 5.1	Colorimeter
E 5.2	Constant Voltage Stabilizer
Sl.No.	**Consumables**
C 5.1	Filter Paper
C 5.2	Pipette
C 5.3	Lancets
C 5.4	Drabkin's Solution (Lab Work)
C 5.5	Drabkin's Solution (Field Work)
C 5.6	Solvent Ether
C 5.7	Fixed volume automatic dispenser (Bottle Top)
C 5.8	500 ml plastic bottle with screw-top
C 5.9	100ml plastic bottle with screw-top
C 5.10	10 ml plastic test tubes with screw-top.
C 5.11	10 ml dropper plastic bottle.
C 5.12	Plastic self-sealing Envelope with printed label on it
C 5.13	Laminated Envelope with address printed on it
C 5.14	Cotton (Rolls of 1 Kg)
C 5.15	Distilled Water

Table 6: CAB Equipment and Consumable Set – 6

CAB Equipment and Consumable Set - 6	
Test 6 - Salt Testing Kit	
Sl.No.	**Equipments**
	No Equipment in *'CAB Equipment and Consumable Set - 6'*
Sl.No.	**Consumables**
C 6.1	Salt Test Kits

Annexure 4: Formats for Pre - Qualification Proposal

Format A: Letter of Transmittal

To
The Under Secretary (Hqrs.),
Office of the Registrar General, India
2A-Mansingh Road
New Delhi – 110 011

Dear Sir/Madam,

We, the undersigned, offer to provide the services for 'Procurement, Distribution and Maintenance of CAB Equipments and Consumables' under the Annual Health Survey (AHS) in EAG States and Assam in accordance with your Request for Proposal (RFP) dated -------. We hereby submit the Pre Qualification bid for the following CAB Equipment and Consumable Sets << please list the number of 'CAB Equipment and Consumable Set>>.

We hereby declare that all the information and statements submitted in this Pre-Qualification Bid are true and accept that any misrepresentation contained therein may lead to our disqualification.

After detailed examination of the documents in this RFP, we are submitting the manufacturer's authorization form of the following manufacturers:

1. << *name of the manufacturer*>>
2. << *name of the manufacturer*>>
3. << *name of the manufacturer*>>

We agree to bear all costs incurred by us in connection with the preparation and submission of the proposal and to bear any further pre-contract costs.

We understand that ORGI is not bound to accept the lowest quote or, any proposal or, to give any reason for award or, for the rejection of any proposal.

I confirm that I have authority of [*Insert Name of the Agency*] to submit the proposal and to negotiate on its behalf.

Yours faithfully,

Authorized Signature (in full and initials):
Name and Designation of Signatory:
Name of Agency:
Address:

Format B: Relevant Work Order

Work Order Title: *(Attach separate sheet for each Work Order)*	
Country:	State:
Name & Address of the Client:	Duration of Assignment:
Start Date (month/year):	End Date (month/year):
Narrative Description of Items Procured for the assignment:	
Description of Actual Services provided by your organization for the assignment:	
Relevance of the assignment to Procurement, Distribution and Maintenance of medical or health equipment	

*** Please attach copy of Work Order/ Completion Certificate for each assignment.**

Format C: No–Conviction Certificate

[On the letterhead of the organization]

No Conviction Certificate

This is to certify that ---------- (Name of the organization), having registered office at ---------- (Address of the registered office) has never been blacklisted or restricted from applying for any such activities by any Central / State Government Department or Court of law anywhere in the country.

Signature:

Name of the Authorized Signatory:

Designation:

Contact details (including E-mail):

Date:

Format D: Manufacturer's Authorization Form

[On the letterhead of the Manufacturer's Organization]

Manufacturer's Authorization Form

Dear Sir/Madam,

This is with reference to your Request for Proposal (RFP) dated -------, for providing the services for 'Procurement, distribution and maintenance of CAB Equipments and Consumables' under the Annual Health Survey (AHS) in EAG States and Assam.

We, _____ who are proven and reputable manufacturers of_____(name and description of the CAB Equipments offered in the tender) having office/support centre at_____, hereby authorize M/s _____(name and address of the agent) to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred RFP for the above goods manufactured by us.

We also hereby extend our full warranty for the period as specified in the RFP for spare-parts, repair and complete replacement of CAB Equipment offered for supply by the above firm against this RFP document.

Signature:

Name of the Authorized Signatory:

Designation:

Contact details (including E-mail):

Date:

Note: This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a competent person having the power of attorney to legally bind the manufacturer. Also, please enclose the power of attorney letter for the authorized signatory from the manufacturer firm.

Annexure 5: Formats for Technical Proposal

Format A: Letter of Transmittal

To
The Under Secretary (Hqrs.),
Office of the Registrar General, India
2A-Mansingh Road
New Delhi – 110 011

Dear Sir/Madam,

We, the undersigned, offer to provide the services for 'Procurement, Distribution and Maintenance of CAB Equipments and Consumables' under the Annual Health Survey (AHS) in EAG States and Assam in accordance with your Request for Proposal (RFP) dated -------. We hereby submit our Proposal, which includes the Technical Proposal and a Financial/ Commercial Proposal, sealed under a separate envelope.

We hereby declare that all the information and statements submitted in this Proposal are true and accept that any misrepresentation contained therein may lead to our disqualification.

We understand that the CAB equipment models submitted by us will undergo rigorous technical evaluation and the decision of the Bid Evaluation Committee in this regard will be binding on us.

The prices quoted in the Financial Proposal are valid till twelve months from the date of submission of the quotation. We confirm that this proposal will remain binding upon us and may be accepted by you at any time before the expiry date.

Prices have been arrived at independently without consultation, communication, agreement or understanding (for the purpose of restricting competition) with any competitor.

We agree to bear all costs incurred by us in connection with the preparation and submission of the proposal and to bear any further pre-contract costs.

We understand that ORGI is not bound to accept the lowest quote or, any proposal or, to give any reason for award or, for the rejection of any proposal.

I confirm that I have authority of [*Insert Name of the Agency*] to submit the proposal and to negotiate on its behalf.

Yours faithfully,

Authorized Signature (in full and initials):
Name and Designation of Signatory:
Name of Agency:
Address:

Format B: Summary of CAB Equipment and Consumable Sets

We would like to bid for the following 'CAB Equipment and Consumables Set'. The model number of the equipment and all types of requisite consumables are mentioned in the table below:

S. No.	CAB Equipment and Consumable Sets	Test	Equipments	Consumables
1.	**CAB EQUIPMENT AND CONSUMABLE SET – <<1/2/3/4/5/6>>**	**TEST - <<1/2/3/4/5/6>>**	MODEL '1'	ALL TYPES OF CONSUMABLES PROPOSED FOR THE MODEL.
			MODEL '2'	ALL TYPES OF CONSUMABLES PROPOSED FOR THE MODEL.
			MODEL 'N'	ALL TYPES OF CONSUMABLES PROPOSED FOR THE MODEL.
2.	**CAB EQUIPMENT AND CONSUMABLE SET – <<1/2/3/4/5/6>>**	**TEST - <<1/2/3/4/5/6>>**		
3.	**CAB EQUIPMENT AND CONSUMABLE SET – <<1/2/3/4/5/6>>**	**TEST - <<1/2/3/4/5/6>>**		

*** The bidders should propose for a minimum number of models for each of the CAB equipment as specified in the 'Scope of Work' Section of this RFP.**

Format C: Model Specification and Requisite Consumables, as per the 'CAB Equipments and Consumables'

CAB Equipment and Consumables Form			
CAB Equipment and Consumables Set No.	**<< 1/2/3/4/5/6 >>**		
CAB Test Name:			
CAB Test No.:			
Equipments (as per CAB Equipment and Consumables Set No. - << 1/2/3/4/5/6 >>)			
Equipment No. (as per <<Annexure - 3>>)		**Equipment Name: (as per <<Annexure - 3>>)**	
Sl.No.	**Model No.**	**Manufacturer Name**	
Specification (Brief Description for above mentioned models)			
Model No.			
Specification Details:			
Warranty: (Details of Maintenance Services to be provided to ORGI as per the assignment)			
Equipment No. (as per <<Annexure - 3>>)		**Equipment Name: (as per <<Annexure - 3>>)**	
Sl.No.	**Model No.**	**Manufacturer Name**	
SPECIFICATIONS *(Brief Description for above mentioned models)*			
Model No.			
Specification Details:			
Warranty: (Details of Maintenance Services to be provided to ORGI as per the assignment)			
Model No.			
Specification Details:			

Warranty: (Details of Maintenance Services to be provided to ORGI as per the assignment)			
Consumables (as per CAB Equipment and Consumables Set No. - << 1/2/3/4/5/6 >>)			
Consumable No. (as per <<Annexure - 3>>)		**Consumable Name: (as per <<Annexure - 3>>)**	
Sl.No.	**Type of Consumables**		
Specification Details:			
Specification Details:			
Specification Details:			
Consumable No. (as per <<Annexure - 3>>)		**Consumable Name: (as per <<Annexure - 3>>)**	
Sl.No.	**Type of Consumables**		
Specification Details:			
Specification Details:			

Specification Details:

***** This table has to be filled for each 'CAB Equipment and Consumable Set' applied for by the Supplier agency(s). Supplier Agency(s) applying for more than one test equipment will do so in separate forms for each set.***

***** Please refer to Annexure – 3 while filling the above form.***

Annexure 6: Details of CAB equipments required per zone per State

The number of equipments required for each zone has been given in the table below:

Details of CAB Equipments Required Per Zone Per State								
S.No.	State	Zone	District (Nos.)	NUMBER OF EQUIPMENTS REQUIRED				
				Infantometer	Wall-Mounted Steel Height Measuring Tape	Weighing Machine	Glucometer	BP Apparatus
1	Assam	A1	11	6	6	6	6	6
		A2	12	7	7	7	7	7
2	Uttar Pradesh	U1	23	13	13	13	13	13
		U2	23	13	13	13	13	13
		U3	24	13	13	13	13	13
3	Uttarakhand	Ut1	5	3	3	3	3	3
		Ut2	8	4	4	4	4	4
4	Bihar	B1	20	11	11	11	11	11
		B2	17	9	9	9	9	9
5	Rajasthan	R1	14	8	8	8	8	8
		R2	18	10	10	10	10	10
6	Madhya Pradesh	M1	23	13	13	13	13	13
		M2	22	12	12	12	12	12
7	Chhatisgarh	C1	16	9	9	9	9	9
8	Jharkhand	J1	10	6	6	6	6	6
		J2	8	4	4	4	4	4
9	Orissa	O1	14	8	8	8	8	8
		O2	16	9	9	9	9	9
Total			**284**	**158**	**158**	**158**	**158**	**158**
GRAND TOTAL (including reserve for 2 per zone)				**194**	**194**	**194**	**194**	**194**

Note: Apart from the procurement of the equipments, the Supplier Agency(s) will also be responsible for the onsite maintenance of the above mentioned equipments.

Annexure 7: Details of CAB consumables required per zone per State

In the table below, indicative quantity of consumables required during the entire period of the CAB Test Survey for each zone is given below:

Details of CAB test consumables required per zone per state																	
S.No.	State	Zone	District (Nos.)	Number of Consumables Required													
				Lithium Battery (WM)	Lithium Battery (Glucometer)	Glucose Strip	Lancet for Hb Estmation & Blood Glucose	Alkaline Battery	Filter Paper	Solvent Ether (in Ltrs)	Distilled Water (in Ltrs)	Drabkin's Solution (in Ltrs) on field	Cotton (in Kgs)	Laminated Envelopes	Plastic Self-Sealing Envelope	Pipette	Salt Testing Kits
1	Assam	A1	11	120	97	58000	82858	1547	86460	259	259	259	173	2244	79255	165	192
		A2	12	141	114	68115	97307	1816	101538	305	305	305	203	2448	93076	180	226
2	Uttar Pradesh	U1	23	238	191	114733	163904	3060	171030	513	513	513	342	4692	156778	345	380
		U2	23	247	199	119150	170214	3177	177614	533	533	533	355	4692	162813	345	395
		U3	24	280	226	135385	193407	3610	201816	605	605	605	404	4896	184998	360	448
3	Uttarakhand	Ut1	5	54	43	25841	36916	689	38521	116	116	116	77	1020	35311	75	86
		Ut2	8	88	71	42585	60835	1136	63480	190	190	190	127	1632	58190	120	141
4	Bihar	B1	20	227	183	109815	156879	2928	163699	491	491	491	327	4080	150058	300	364
		B2	17	188	151	90823	129747	2422	135388	406	406	406	271	3468	124106	255	301
5	Rajasthan	R1	14	146	118	70541	100773	1881	105154	315	315	315	210	2856	96391	210	234
		R2	18	194	156	93524	133605	2494	139414	418	418	418	279	3672	127796	270	310
6	Madhya Pradesh	M1	23	244	197	118082	168689	3149	176024	528	528	528	352	4692	161355	345	391
		M2	22	226	182	109228	156041	2913	162825	488	488	488	326	4488	149256	330	362
7	Chhatisgarh	C1	16	174	140	84037	120053	2241	125273	376	376	376	251	3264	114833	240	278
8	Jharkhand	J1	10	113	91	54619	78027	1457	81420	244	244	244	163	2040	74635	150	181

Details of CAB test consumables required per zone per state																	
S.No.	State	Zone	District (Nos.)	Number of Consumables Required													
				Lithium Battery (WM)	Lithium Battery (Glucometer)	Glucose Strip	Lancet for Hb Estmation & Blood Glucose	Alkaline Battery	Filter Paper	Solvent Ether (in Ltrs)	Distilled Water (in Ltrs)	Drabkin's Solution (in Ltrs) on field	Cotton (in Kgs)	Laminated Envelopes	Plastic Self-Sealing Envelope	Pipette	Salt Testing Kits
		J2	8	83	67	40189	57413	1072	59909	180	180	180	120	1632	54917	120	133
9	Orissa	O1	14	154	124	74569	106527	1989	111159	333	333	333	222	2856	101895	210	247
		O2	16	177	142	85490	122129	2280	127439	382	382	382	255	2856	116819	210	283
TOTAL			**284**	**3094**	**2492**	**1494726**	**2135324**	**39861**	**2228163**	**6684**	**6684**	**6684**	**4456**	**57528**	**2042482**	**4230**	**4952**

The consumables listed below needs to be supplied directly to the Office of Survey Agency(s) for each zone and appropriate sign-off should be taken:

- Lithium Battery for Weighing Machine
- Lithium Battery for Glucometer
- Lancet for Hb Estimation & Blood Glucose
- Alkaline Battery
- Solvent Ether
- Cotton
- Laminated envelopes
- Plastic Self-Sealing Envelopes
- Salt Testing Kits

Select consumables like filter paper and pipette should be first delivered to the NIHFW. After the accuracy check of the pipettes by NIHFW, they should be delivered by the Supplier Agency(s) to Office of Survey Agency(s) for each zone and appropriate sign-off should

be taken. It will be the responsibility of NIHFW to cut the filter paper to right size and deliver the same to the Office of Survey Agency(s) for each zone.

The consumables will be delivered to the Office of Survey Agency(s) for that zone in batches. The consumables for the first **8 weeks** will be delivered in the first lot, and thereafter, the Supplier Agency will deliver the consumables to the Office of Survey Agency(s) for each zone based on the indent raised by the Survey Agency(s) of each zone as per the details provided in the implementation schedule.

Any order and delivery of any batch of consumables should be done with necessary intimation and approval if required from ORGI Headquarters.

The indicative quantity for delivery of first lot for each zone is given below:

Details of CAB test consumables required per zone per state - First 8 Weeks															
S.No.	State	Zone	District (Nos.)	Number of Consumables Required											
				Lithium Battery (WM)	Lithium Battery (Gluco meter)	Glucose Strip	Lancet for Hb Estmation & Blood Glucose	Alkaline Battery	Filter Paper	Solvent Ether (in Ltrs)	Distilled Water (in Ltrs)	Drabkin's Solution (in Ltrs) on field	Cotton (in Kgs)	Laminated Envelopes	Plastic Self-Sealing Envelope	Salt Testing Kits
1	Assam	A1	11	28	23	13533	20174	361	20174	61	61	61	40	524	16812	45
		A2	12	33	27	15894	23692	424	23692	71	71	71	47	571	19744	53
2	Uttar Pradesh	U1	23	56	45	26771	39907	714	39907	120	120	120	80	1095	33256	89
		U2	23	58	46	27802	41443	741	41443	124	124	124	83	1095	34536	92
		U3	24	65	53	31590	47090	842	47090	141	141	141	94	1142	39242	105
3	Uttarakhand	Ut1	5	13	10	6030	8988	161	8988	27	27	27	18	238	7490	20
		Ut2	8	21	17	9937	14812	265	14812	44	44	44	30	381	12343	33
4	Bihar	B1	20	53	43	25624	38196	683	38196	115	115	115	76	952	31830	85
		B2	17	44	35	21192	31591	565	31591	95	95	95	63	809	26325	70
5	Rajasthan	R1	14	34	28	16460	24536	439	24536	74	74	74	49	666	20447	55
		R2	18	45	36	21822	32530	582	32530	98	98	98	65	857	27108	72
6	Madhya Pradesh	M1	23	57	46	27552	41072	735	41072	123	123	123	82	1095	34227	91
		M2	22	53	42	25487	37993	680	37993	114	114	114	76	1047	31660	84

Details of CAB test consumables required per zone per state - First 8 Weeks																
S.No.	State	Zone	District (Nos.)	Number of Consumables Required												
				Lithium Battery (WM)	Lithium Battery (Glucometer)	Glucose Strip	Lancet for Hb Estmation & Blood Glucose	Alkaline Battery	Filter Paper	Solvent Ether (in Ltrs)	Distilled Water (in Ltrs)	Drabkin's Solution (in Ltrs) on field	Cotton (in Kgs)	Laminated Envelopes	Plastic Self-Sealing Envelope	Salt Testing Kits
7	Chhatisgarh	C1	16	41	33	19609	29230	523	29230	88	88	88	58	762	24359	65
8	Jharkhand	J1	10	26	21	12744	18998	340	18998	57	57	57	38	476	15832	42
		J2	8	19	16	9377	13979	250	13979	42	42	42	28	381	11649	31
9	Orissa	O1	14	36	29	17399	25937	464	25937	78	78	78	52	666	21614	58
		O2	16	41	33	19948	29736	532	29736	89	89	89	59	666	24780	66
TOTAL			**284**	**722**	**581**	**348769**	**519905**	**9301**	**519905**	**1560**	**1560**	**1560**	**1040**	**13423**	**433254**	**1155**

Annexure 8: Standard Technical Specifications for CAB Equipments & Consumables

Sl. No.	Equipments (E) / Consumables (C)	Standard Specifications
TEST 1 – Height		
E 1.1	Infantometer (E)	Wooden Board/ Plastic measurement board • Length: 45 cm base and 45 cm sliding central panel • Breadth: Atleast 30 cms • Accuracy: 0.1 cm • Easily portable (foldable head and foot plates)
E 1.2	Wall mounted Steel Height Measuring Tape (E)	Wall-Mounted Steel Tapes for measuring height • Tape Length: 2 metres • Instrument Accuracy 0.1 cm
TEST 2 – Weight		
E 2.1	Weighing Machine (E)	Portable electronic weighing machine • Lithium Battery operated • Range: 5-100 Kgs • Sensitivity: 100 gms
C 2.1	Lithium Battery (C)	• Compatible with the electronic weighing machine • Battery life should atleast extend for 600 tests under field conditions
C 2.2	Calibration Weights (C)	• Standard Weights – 2kgs, 1 Kg, 500 gms, 100 gms. • The standard weights should be ISI certified.
TEST 3 - Blood Glucose		
E 3.1	Glucometer (E)	• **Dimensions & Weight:** Compact and handly. Weight less than 100 gms • **Display:** LCD Digital Display • **Design:** Preferably single button operation • **Should have:** a)Auto electrode inserting detection, b)Auto sample loading detection, c)Fast draw technology • **Sample size:** Minimum 0.5 microlitre • **Test Time:** within 5 seconds • **Assay Method:** Glucose oxidase SA method

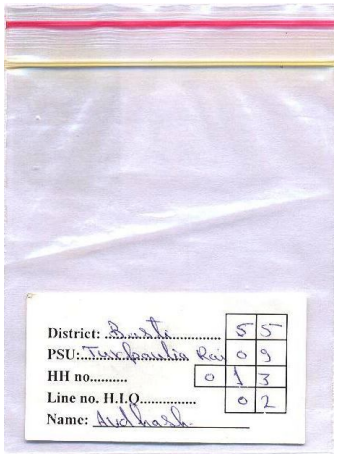
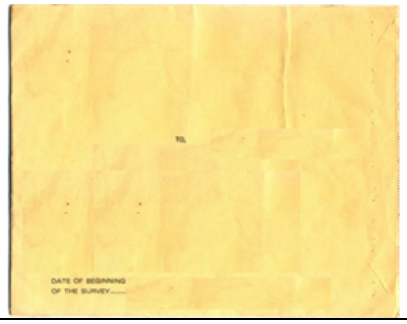
Sl. No.	Equipments (E) / Consumables (C)	Standard Specifications

		• **Automatic Shutoff:** within 3 minutes
		• **Operating Ranges:**
		  o Temperature : 12- 43°C/54 - 108°F
		  o Relative humidity : 10-90%
		  o Haematocrit : 30 – 55%
		• **System Storage Condition:** 4°C - 30°C
		• **Measurement Unit:** mg/dl
		• **Measurement Unit:** 20 – 600 mg /dl
		• **Accuracy:** Glucometers should provide results that are within 20% of laboratory standard 95% of the time (for concentrations above 75mg/dL, absolute levels are used for lower concentration)
		• **Electric Safety Requirements:** Should be tested as per relevant standards
		• **ISO standards:** Should meet accuracy standards set by ISO 15197
		• **CE / FDA marked or its equivalent:** The devise should be CE/FDA marked or its equivalent.
		• **Warranty terms:** Atleast one year from the date of supply to ORGI.
		• **Accessories:** Main unit, strips, blood sampler, lancets, instruction manual and pouch.
		• **Other Details:** Latest Blood Glucose Monitoring Technology.

C 3.1	Glucose Strip (C)	• Compatible with the Glucometer
C 3.2	Lithium Battery (C)	• 3.0 v Lithium battery compatible with the Glucometer. • Battery life should atleast extend for 600 tests under field conditions
TEST 4 - Blood Pressure		
E 4.1	BP Apparatus (E)	• **Display:** LCD digital display • **Measuring Method:** Oscillometric method • **Measurement Range:** Pressure 40 – 240 mm Hg; Pulse : 40 – 199 beats /min

Sl. No.	Equipments (E) / Consumables (C)	Standard Specifications
		• **Accuracy:** Pressure : + 3 or – 3 mm Hg; Pulse rate : + 5 or – 5% of reading • **Inflation:** Automatic by electric pump • **Deflation:** Automatic pressure release valve • **Pressure detection:** Capacitative pressure sensor • **Operating temperature/Humidity:** 10° C to 40° C 30% to 85% RH • **Storage Temperature:** -20° C to +60°C, 10% to 95% RH • **Weight main unit:** Less than 250gms (excluding battery and adapter) • **Dimensions main unit:** Handy and compact • **Cuff size: Normal** • **Power Savings:** Automatic power off if system is idle for 3 minutes • **Electric safety requirements :** Should be tested as per relevant standards • **Certification:** Digital Blood Pressure monitor approved by British Hypertension Society (BSH) • **Accessories:** Main unit, Arm cuff, Instruction manual & 4 Nos. AA batteries. • **Warranty:** Atleast one year from the date of supply to ORGI.
C 4.1	Alkaline/ Lithium Battery (C)	• Compatible with Digital BP Apparatus • In case Alkaline Battery is proposed: ○ 4 Nos. AA batteries with minimum life for 300 readings. • In case lithium battery is proposed, the battery life should at least extend for 600 tests under field conditions
TEST 5 – Anemia		
E 5.1	Colorimeter (E)	• Wavelength range : 400-700 nm • Min Sample volume : 1 ml • Standard filters : Min 8 • Display : 2 ½ Digital LED

Sl. No.	Equipments (E) / Consumables (C)	Standard Specifications
		• Resolution : OD 0.01 • Accuracy : 0.5% FSI • Detector : Photocell/Photodiode • Voltage : 220V, 50 Hz and/or Battery operated
E 5.2	Constant Voltage Stabilizer (E)	• Compatible with the Colorimeter
C 5.1	Filter Paper (C)	• Flow rate: Medium flow • Particle retention in liquid: 11 µm • Particle retention rating: 98-100% efficiency • Filtration speed (approx.) : 150 Herzberg (s) • Air flow : 10.5 s/100 ml/in2 • Typical thickness : 180 µm • Basis weight: 88 g/m2 • Can be supplied in sets of 500 sheets • The Filter Paper Sheet dimensions should be 46 cmx57 cm
C 5.2	Glass Pipette (C)	• 20 µl - Blunt tip
C 5.3	Lancet	
C 5.4	Drabkins Solution (Lab Work)	• Should be supplied in 5 litre Jars
C 5.5	Drabkins Solution (Field Work)	• Should be supplied in 5 litre Jars
C 5.6	Solvent Ether	• Should be supplied in 5 litre Jars
C 5.7	Fixed volume automatic dispenser (Bottle Top)	• Bottle / jerrycan top, fixed volume dispenser (Plunger type, with or without a built-in reservoir of its own). • Must fit to the mouth of any standard 5 litre capacity jerry can and should dispense the liquid from the can directly. • There should be no need to transfer the reagent from the Jerry can to a bottle of 2 – 2.5 litre capacity to be able to use the dispenser. • Volume of the liquid to be dispensed : 5 + 0.1 millilitres

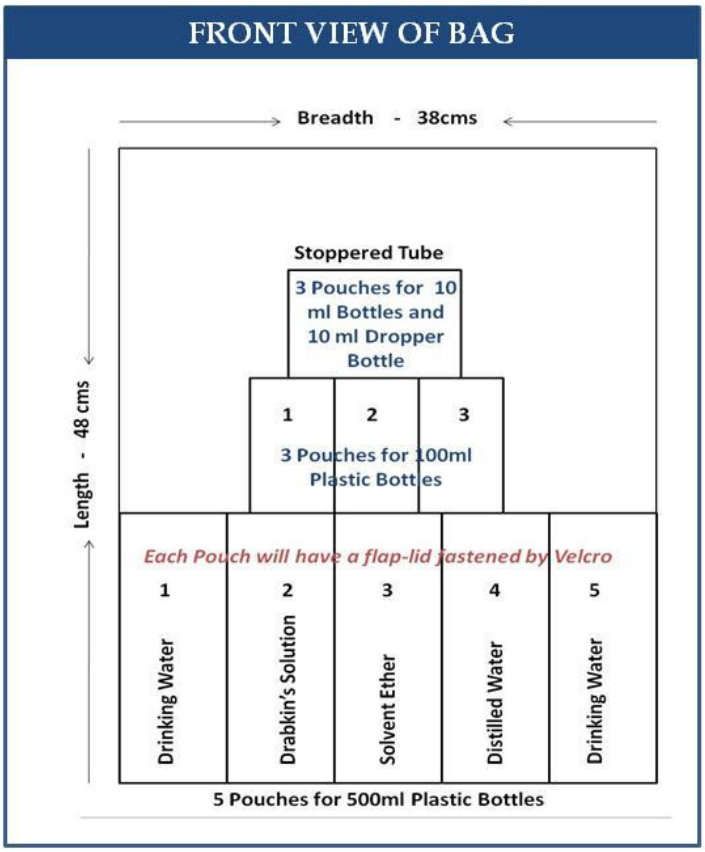
Sl. No.	Equipments (E) / Consumables (C)	Standard Specifications
C 5.8	500 ml Plastic Bottle with Screw-Top	• Should be made of durable plastic
C 5.9	100 ml Plastic Bottle with Screw-Top	• Should be made of durable plastic
C 5.10	10 ml Plastic Test-Tubes with Screw-Top	• Should be made of durable plastic
C 5.11	10 ml Dropper Plastic Bottle	• Should be made of durable plastic
C 5.12	Self- Sealing Plastic Pouch 	• Size 10.5 cm x 8 cm • Self sealing • thickness – moderately thick plastic • Should have sticker on it • size of sticker 3.5 cm x 6.5 cm • Sticker should have the following printed on it Sample can be attached • District No_____ Boxes as required to be put in. • PSU no_____ • HH no_____ • Line No_____ • Name_____
C 5.13	Laminated Envelope 	• Size 10"x12" • Should be Laminated • Thickness GSM 100 Should have the following label printed on it: • State name • District No • PSU no • Date of sample collection • Date of sending the packet
C 5.14	Cotton	• Should be supplied in rolls of 1 Kg
C 5.15	Distilled Water	• Should be supplied in 5 litre Jars
TEST 6 – Salt Test		
6.1	Salt Test Kits (C)	• The salt testing kit should be in ready to use, liquid form with each unit having a capacity of testing 75-100 samples. Supply should be

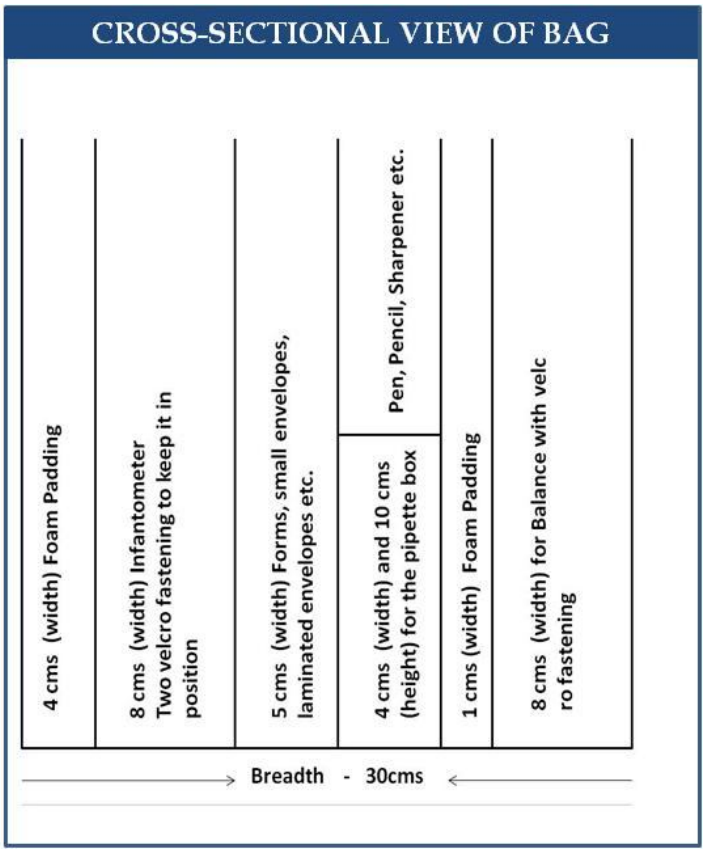
Sl. No.	Equipments (E) / Consumables (C)	Standard Specifications
		in plastic screwed cap vial and able to dispense one drop at the time for use at community level. It can be stored at ambient temperature and relative humidity (20-90% ± 10%). • The kits should be able to detect iodine levels in the salt from various sources and characteristics e.g. salts that are alkaline/acidic in nature and with varying sodium chloride content. • The shelf life of the Salt Testing Kit should be at least one year for unopened vials and not less than 4-6 months if the vial is opened The kit should be able to differentiate: • Salt with nil iodine • Salt with low iodine in the range of 05-15 ppm • Salt with adequate levels of iodine i.e. more than 15 ppm

The CAB equipments and related consumables proposed by bidders should be in complete compliance with the standard specifications given above for each equipment and consumable. The CAB equipments should function properly under usually extreme field conditions. The CAB equipments should have adequate provision for warranty and maintenance of equipments for the duration of the CAB Test Survey.

Annexure 9: Bag (Back-Pack) Specifications

The bag for carrying the equipments has to be custom-made for the purpose of the CAB Test Survey. The bag should be waterproof and should be made of durable material like nylon etc. The bag should be as per the specifications provided below:





Annexure 10: Distribution of CAB Equipments & Select Consumables to Nodal Training Institutes

The equipments, consumables and bags mentioned in the table below need to be delivered to the respective training institute for each zone. The equipments will be handed over to each field survey team at the end of their training. The quantities of these equipments and consumables are specified in the table below:

Table 1: Distribution of Infantometer, Height Measuring Tape, Weighing Machine, Glucometer & BP Apparatus to Nodal Training Institutes

Sl. No.	Training Institute	Zones	Infantometer	Wall-Mounted Steel Height Measuring Tape	Weighing Machine	Glucometer	BP Apparatus
1	DMRC, Jodhpur	R1, R2	22	22	22	22	22
2	RMRC - Bhubhaneshwar	O1, O2	21	21	21	21	21
3	RMRC- Jabalpur	M1, M2	29	29	29	29	29
4	RMRC - Dibrugarh	A1, A2	17	17	17	17	17
5	NIHFW, New Delhi	U1,U2,U 3,Ut1	50	50	50	50	50
6	NFI, New Delhi	B1, B2, Ut2, J1, J2, C1	55	55	55	55	55
		Total	**194**	**194**	**194**	**194**	**194**

Table 2: Distribution of limited quantity of consumables for training purposes to the Nodal Training Institutes

Sl.No.	Training Institute	Zones	Lithium Battery (WM)	Lithium Battery (Glucometer)	Glucose Strip	Lancet for Hb Estimation & Blood Glucose	Alkaline Battery	Filter Paper
1	DMRC, Jodhpur	R1, R2	2	2	1152	1152	31	1152

Sl.No.	Training Institute	Zones	Lithium Battery (WM)	Lithium Battery (Glucometer)	Glucose Strip	Lancet for Hb Estimation & Blood Glucose	Alkaline Battery	Filter Paper
2	RMRC - Bhubhaneshwar	O1, O2	2	2	1080	1080	29	1080
3	RMRC- Jabalpur	M1, M2	3	3	1620	1620	43	1620
4	RMRC - Dibrugarh	A1, A2	1	1	828	828	22	828
5	NIHFW, New Delhi	U1,U2,U3, Ut1	5	5	2700	2700	72	2700
6	NFI, New Delhi	B1, B2, Ut2, J1, J2, C1	5	5	2844	2844	76	2844

Sl. No.	Training Institute	Zones	Solvent Ether (in Ltrs)	Cotton (in Kgs)	Laminated Envelopes	Plastic Self-Sealing Envelope	Pipette	Salt Testing Kits
1	DMRC, Jodhpur	R1, R2	3	2	50	100	50	50
2	RMRC – Bhubhaneshwar	O1, O2	3	2	50	100	50	50
3	RMRC- Jabalpur	M1, M2	5	3	50	100	50	50
4	RMRC - Dibrugarh	A1, A2	2	2	50	100	50	50
5	NIHFW, New Delhi	U1,U2, U3,Ut1	8	5	50	100	50	50
6	NFI, New Delhi	B1, B2, Ut2, J1, J2, C1	9	6	50	100	50	50

Annexure 11: Distribution of Colorimeter, Fixed Volume Automatic Dispenser (Bottle Top), Constant Voltage Stabiliser & Drabkin's Solution to Nodal Test Labs

In the table below, distribution of colorimeter, Fixed Volume Automatic Dispenser (Bottle Top) and Drabkin's Solution has been mentioned on Nodal Test Lab Basis.

Sl.No.	Institute	No. Colorimeter per test lab	No. Constant Voltage Stabliser per test lab	Drabkin's Solution (in Ltrs)	Fixed Volume Automatic Dispenser (Bottle Top)
1	Desert Medical Research Centre (DMRC), Jodhpur	15	15	1245	4
2	Regional Medical Research Centre - Bhubhaneshwar	15	15	1215	4
3	Regional Medical Research Centre for tribals- Jabalpur	21	21	1726	6
4	Regional Medical Research Centre - Dibrugarh	12	12	957	4
5	NIHF , New Delhi	23	23	1932	6
6	NIN, Hyderabad	24	24	2047	6
7	NFI, New Delhi	26	26	2224	6
	Total	**136**	**136**	**11347**	**36**

Annexure 12: Distribution of Bags (Back-Pack)

The bags should be delivered to the respective training institutes as mentioned in the following table:

Sl.No.	Training Institute	Zones	Bags
1	DMRC - Jodhpur	R1, R2	22
2	RMRC - Bhubhaneshwar	O1, O2	21
3	RMRC- Jabalpur	M1, M2	29
4	RMRC - Dibrugarh	A1, A2	17
5	NIHFW - New Delhi	U1,U2, U3,Ut1	50
6	NFI - New Delhi	B1, B2, Ut2, J1, J2, C1	55

Annexure 13: Distribution of Plastics bottles and Standard Weights to Office of Survey Agency for each zone

The details of distribution of plastic bottles and standard weights to the office of the Survey Agency are given in the tables below:

Table 1: Distribution of Plastic Bottles to Office of Survey Agency for each zone

Sl. No.	State	Zone	District (Nos.)	500 ml Plastic Bottles	100 ml Plastic Bottles	10ml screw topped test tubes	10 ml dropper plastic bottle
1	Assam	A1	11	21	21	21	7
		A2	12	21	21	21	7
2	Uttar Pradesh	U1	23	39	39	39	13
		U2	23	39	39	39	13
		U3	24	39	39	39	13
3	Uttarakhand	Ut1	5	9	9	9	3
		Ut2	8	12	12	12	4
4	Bihar	B1	20	33	33	33	11
		B2	17	30	30	30	10
5	Rajasthan	R1	14	24	24	24	8
		R2	18	30	30	30	10
6	Madhya Pradesh	M1	23	39	39	39	13
		M2	22	36	36	36	12
7	Chhatisgarh	C1	16	27	27	27	9
8	Jharkhand	J1	10	18	18	18	6
		J2	8	12	12	12	4
9	Orissa	O1	14	24	24	24	8
		O2	16	26	26	26	9
TOTAL			**284**	**479**	**479**	**479**	**160**

Table 2: Distribution of Standard Weights to Office of Survey Agency for each zone

S.No.	State	Zone	District (Nos.)	2Kg Weight	1 Kg Weight	500 gm Weight	100 gm Weight
1	Assam	A1	11	7	7	7	7
		A2	12	7	7	7	7
2	Uttar Pradesh	U1	23	13	13	13	13
		U2	23	13	13	13	13
		U3	24	13	13	13	13

S.No.	State	Zone	District (Nos.)	2Kg Weight	1 Kg Weight	500 gm Weight	100 gm Weight
3	Uttarakhand	Ut1	5	3	3	3	3
		Ut2	8	4	4	4	4
4	Bihar	B1	20	11	11	11	11
		B2	17	10	10	10	10
5	Rajasthan	R1	14	8	8	8	8
		R2	18	10	10	10	10
6	Madhya Pradesh	M1	23	13	13	13	13
		M2	22	12	12	12	12
7	Chhatisgarh	C1	16	9	9	9	9
8	Jharkhand	J1	10	6	6	6	6
		J2	8	4	4	4	4
9	Orissa	O1	14	8	8	8	8
		O2	16	9	9	9	9
TOTAL			**284**	**160**	**160**	**160**	**160**

Annexure 14: Distribution of Pipettes to Office of Survey Agency for each zone

The pipettes will be delivered to NIHFW for accuracy check. NIHFW will release the pipettes in three batches after accuracy check. The pipettes will be delivered in three batches to the office of the survey agency(s) for each zone.

Details Delivery of Pipettes in Batches								
S.No.	**State**	**Zone**	**District (Nos.)**	**No. of Teams**	**Batch -I**	**Batch -II**	**Batch -III**	**Batch -IV**
1	**Assam**	**A1**	11	6	30	30	60	60
		A2	12	7	35	35	70	70
2	**Uttar Pradesh**	**U1**	23	13	65	65	130	130
		U2	23	13	65	65	130	130
		U3	24	13	65	65	130	130
3	**Uttarakhand**	**Ut1**	5	3	15	15	30	30
		Ut2	8	4	20	20	40	40
4	**Bihar**	**B1**	20	11	55	55	110	110
		B2	17	9	45	45	90	90
5	**Rajasthan**	**R1**	14	8	40	40	80	80
		R2	18	10	50	50	100	100
6	**Madhya Pradesh**	**M1**	23	13	65	65	130	130
		M2	22	12	60	60	120	120
7	**Chhatisgarh**	**C1**	16	9	45	45	90	90
8	**Jharkhand**	**J1**	10	6	30	30	60	60
		J2	8	4	20	20	40	40
9	**Orissa**	**O1**	14	8	40	40	80	80
		O2	16	9	45	45	90	90
Total			**284**	**158**	**790**	**790**	**1580**	**1580**

Annexure 15: Format for Financial Proposal for CAB Equipment & Consumable Sets

Format A: Format for Financial Proposal for 'CAB Equipment & Consumable Set – 1' (Separate Model – Wise Financial Quote)

Table A.1: Financial Quote for CAB Equipment in 'CAB Equipment & Consumable Set -1'

Test No. : Test – 1 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Length *(as per Table -4, Section - 3 'Scope of Work')*			
Equipment No. : E 1.1 *(as per Tables in Annexure 3)*			
Equipment Name : Infantometer *(as per Tables in Annexure 3)*			
S.No.	**Equipment Model**	**Unit Equipment Cost (INR) [(all inclusive)] (E)**	
		In Words	**In Figures**

OR

Test No. : Test – 1 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Height *(as per Table -4, Section - 3 'Scope of Work')*			
Equipment No. : E 1.2 *(as per Tables in Annexure 3)*			
Equipment Name : Wall-Mounted Height Measuring Steel Tape *(as per Tables in Annexure 3)*			
S.No.	**Equipment Model**	**Unit Equipment Cost (INR) [(all inclusive)] (E)**	
		In Words	**In Figures**
1			

Authorized Signatory _____

Place: Name:

Seal of the Organization: Designation:

*** Supplier Agency(s) bidding for 'CAB Equipment and Consumables Set – 1' will submit separate sealed financial quote for each model of Infantometer or Wall-Mounted Height Measuring Steel Tape.*

Format B: Format for Financial Proposal for 'CAB Equipment & Consumable Set – 2' (Separate Model – Wise Financial Quote)

Table B.1: Financial Quote for CAB Equipment in 'CAB Equipment & Consumable Set -2'

Test No. : Test – 2 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Weight *(as per Table -4, Section - 3 'Scope of Work')*			
Equipment No. : E 2.1*(as per Tables in Annexure 3)*			
Equipment Name : Electronic Weighing Machine *(as per Tables in Annexure 3)*			
S.No.	**Equipment Model**	**Unit Equipment Cost (INR) [(all inclusive)] (E)**	
		In Words	**In Figures**

***** Supplier Agency(s) bidding for 'CAB Equipment and Consumables Set – 2' will submit separate sealed financial quote for each model of Electronic Weighing Machine along with requisite consumables mentioned below.***

Table B.2: Financial Quote for CAB consumables in 'CAB Equipment & Consumable Set -2'

Test No. : Test – 2 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Weight *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 2.1 *(as per Tables in Annexure 3)*			
Consumable Name : Lithium Battery compatible with Electronic Weighing Machine *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)] (C)**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type c		
	Consumable Type d		

Test No. : Test – 2 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Weight *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 2.2 *(as per Tables in Annexure 3)*			
Consumable Name : Calibration Weights *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)] (C)**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type c		
	Consumable Type d		

Authorized Signatory _____

Place:

Name:

Seal of the Organization:

Designation:

Format C: Format for Financial Proposal for 'CAB Equipment & Consumable Set – 3' (Separate Model – Wise Financial Quote)

Table C.1: Financial Quote for CAB Equipment in 'CAB Equipment & Consumable Set -3'

Test No. : Test – 3 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Fasting Blood Glucose Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Equipment No. : E 3.1*(as per Tables in Annexure 3)*			
Equipment Name : Glucometer *(as per Tables in Annexure 3)*			
S.No.	**Equipment Model**	**Unit Equipment Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**

***** Supplier Agency(s) bidding for 'CAB Equipment and Consumables Set – 3' will submit separate sealed financial quote for each model of Glucometer along with requisite consumables mentioned below.***

Table C.2: Financial Quote for CAB consumables in 'CAB Equipment & Consumable Set -3'

Test No. : Test – 3 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Fasting Blood Glucose Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 3.1 *(as per Tables in Annexure 3)*			
Consumable Name : Glucose Strips *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type c		
	Consumable Type d		

Test No. : Test – 3 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Fasting Blood Glucose Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 3.2 *(as per Tables in Annexure 3)*			
Consumable Name : Lithium Battery compatible with Glucometer *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type ……		
	Consumable Type n		

Authorized Signatory _____

Place:

Name:

Seal of the Organization:

Designation:

Format D: Format for Financial Proposal for 'CAB Equipment & Consumable Set – 4' (Separate Model – Wise Financial Quote)

Table D.1: Financial Quote for CAB Equipment in 'CAB Equipment & Consumable Set - 4'

Test No. : Test – 4 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Blood Pressure *(as per Table -4, Section - 3 'Scope of Work')*			
Equipment No. : E 4.1*(as per Tables in Annexure 3)*			
Equipment Name : Digital BP Battery Apparatus *(as per Tables in Annexure 3)*			
S.No.	**Equipment Model**	**Unit Equipment Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**

***** Supplier Agency(s) bidding for 'CAB Equipment and Consumables Set – 4' will submit separate sealed financial quote for each model of Digital BP Battery Apparatus along with requisite consumables mentioned below.***

Table D.2: Financial Quote for CAB consumables in 'CAB Equipment & Consumable Set - 4'

Test No. : Test – 4 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Blood Pressure *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 4.1 *(as per Tables in Annexure 3)*			
Consumable Name : Lithium Battery compatible with Digital BP Battery Apparatus *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …..		
	Consumable Type n		

Format E: Format for Financial Proposal for 'CAB Equipment & Consumable Set – 5' (Separate Model – Wise Financial Quote)

Table E.1: Financial Quote for CAB Equipment in 'CAB Equipment & Consumable Set - 5'

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Equipment No. : E 5.1*(as per Tables in Annexure 3)*			
Equipment Name : Colorimeter *(as per Tables in Annexure 3)*			
S.No.	**Equipment Model**	**Unit Equipment Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**

AND

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Equipment No. : E 5.2*(as per Tables in Annexure 3)*			
Equipment Name : Constant Voltage Stabilizer *(as per Tables in Annexure 3)*			
S.No.	**Equipment Model**	**Unit Equipment Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**

***** Supplier Agency(s) bidding for 'CAB Equipment and Consumables Set – 5' will submit separate sealed financial quote for each model of Colorimeter along with a compatible Constant Voltage Stabilizer and also with requisite consumables mentioned below.***

Table E.2: Financial Quote for CAB consumables in 'CAB Equipment & Consumable Set - 5'

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.1 *(as per Tables in Annexure 3)*			
Consumable Name : Filter Paper *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …..		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.2 *(as per Tables in Annexure 3)*			
Consumable Name : Pipette *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type ….		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.3 *(as per Tables in Annexure 3)*			
Consumable Name : Lancets *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type ….		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.4 / C 5.5 *(as per Tables in Annexure 3)*			
Consumable Name : Drabkin's Solution (Lab Work and Field Work) *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.6 *(as per Tables in Annexure 3)*			
Consumable Name : Solvent Ether *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.7 *(as per Tables in Annexure 3)*			
Consumable Name : Fixed Volume Automatic Dispenser *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.8 *(as per Tables in Annexure 3)*			
Consumable Name : 500 ml plastic bottle with screw-top *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.9 *(as per Tables in Annexure 3)*			
Consumable Name : 100 ml plastic bottle with screw-top *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.10 *(as per Tables in Annexure 3)*			
Consumable Name : 10 ml plastic test tube with screw-top *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.11 *(as per Tables in Annexure 3)*			
Consumable Name : 10 ml dropper plastic bottle *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.12 *(as per Tables in Annexure 3)*			
Consumable Name : Plastic Self-Sealing Envelope with printed label on it *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.13 *(as per Tables in Annexure 3)*			
Consumable Name : Laminated Envelope with address printed on it *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Test No. : Test – 5 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Hb Estimation *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 5.14 *(as per Tables in Annexure 3)*			
Consumable Name : Cotton (Rolls of 1 Kg) *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Authorized Signatory _____

Place:

Name:

Seal of the Organization:

Designation:

Format F: Format for Financial Proposal for 'CAB Equipment & Consumable Set – 6'

Table F.2: Financial Quote for CAB consumables in 'CAB Equipment & Consumable Set - 6'

Test No. : Test – 6 *(as per Table -4, Section - 3 'Scope of Work')*			
Test Name : Salt Test *(as per Table -4, Section - 3 'Scope of Work')*			
Consumable No. : C 6.1 *(as per Tables in Annexure 3)*			
Consumable Name : Salt Testing Kit *(as per Tables in Annexure 3)*			
S.No.	**Consumable Type**	**Unit Consumable Cost (INR) [(all inclusive)]**	
		In Words	**In Figures**
	Consumable Type a		
	Consumable Type b		
	Consumable Type …		
	Consumable Type n		

Authorized Signatory _____

Place:

Name:

Seal of the Organization:

Designation:

Format G: Format for Financial Proposal for Bag (Back-Pack) for carrying CAB Equipment & Consumable

Table G.1: Financial Quote for Bag (Back-Pack) for carrying CAB Equipments & Consumables

S.No.	Unit Cost (INR) [(all inclusive)] {B}	
	In Words	In Figures
Bag (Back-Pack)		

Authorized Signatory _____

Place: Name:

Seal of the Organization: Designation:

Formula for Financial Evaluation

- For Evaluation purpose the following formula and details will be used:
  - **For CAB Test Set: Total Cost (TCe) = E + (N1*C1+N2*C2…..+Nn*Cn)**
  - **For Bag: Total Cost (TCb) = 160 * B**

    where:

    i. *E is the unit of equipment*

    ii. *C1, C2, C3....Cn is the unit cost of consumables*

iii. B is the unit cost of Bag

iv. The value for N1, N2….For Nn will be taken from the table given below:

Lithium Battery (WM)	Lithium Battery (Glucometer)	Glucose Strip	Lancet	Alkaline Battery	Filter Paper	Pipette	Solvent Ether	Cotton	Plastic self-sealing Envelope	Salt Testing Kit
3094	2492	1494726	2228163	39861	2228163	4230	6684	4456	1856801	4952
Laminated Envelope	Drabkin's Solution	500 ml Plastic Bottle	100 ml Plastic Bottle	10 ml Screw Top Test-tubes	10 ml dropper plastic bottle	2kg unit weight	1kg unit weight	500 gms unit weight	100 gms unit weight	Automatic Volume Dispenser
57528	11347	479	479	479	160	160	160	160	160	36

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