**Project Title:** Competency Assessment of in-Service Medical Laboratory Technologists in Primary Health Care Settings in Odisha

**Scope of Work**

Providers' competence plays a significant role in primary health care performance. Medical Laboratory Technologists (MLTs) are one of the key members of the Primary Health Care team. globally, including in Low- and middle-income countries (LMICs),the roles of MLTs are becoming vital. MLTs support primary health care to meet the elevated service needs caused due to the increasing burden of Chronic Care.

Global including Indian literature suggests that the competency of the Primary Health Care team needs substantial capacitation to perform optimally. To explore it further in Odisha, the Harvard School of Public has assessed the competencies of the primary health care team. It entails that– only 40% of providers were able to diagnose tuberculosis (TB) correctly. In contrast, the correct diagnostic ability was 54% for pre-eclampsia, 55% for asthma, 67% for heart attack, and 72% for diarrhea. Doctors practicing in rural areas performed better than those in urban areas. Private providers showed better competence in diagnosing most diseases except for TB.

In most cases, the condition was misdiagnosed as a milder illness. Most providers could not prescribe the right treatment recommended by STGs or correctly refer patients to higher facilities when required. This survey reported high referrals from PHCs and SCs to the higher centers for complex cases. However, the back referrals were very few, indicating inefficiencies in the health system's functioning. Out of the total PHCs, 56% refer to CHCs, 28% to sub-centers, and 10% to district hospitals. Regarding the referral network among the public hospitals (including the CHCs) and private hospitals, 87% refer patients to public hospitals, while 7% to other private hospitals. In other cases, most public hospitals refer their patients to other public hospitals.

These findings indicate that the level of competencies among the primary health care team, including MLTs is low, but the existing studies cannot quantify the level of competencies among in-service MLTs.

Therefore, HSTP had proposed to the Government of Odisha to develop the competencies of MLTs in Primary Health Care setting. Competency assessment, designing, and implementing capacity-building interventions are the grounded activities that should be navigated through state-based Institutions. HSTP intends to partner with the All-India Institute of Medical Sciences, Bhubaneswar (AIIMS Bhubaneswar) to undertake the MLT's competency assessment study.

The proposed study aims to assess the level of competencies among the in-service Medical Laboratory Technologists in Primary health Care setting in Odisha.

**Project Timeline**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| No. | Activities | Aug-22 | Sept-22 | Oct-22 | Nov-22 | AIIMS Resp. | HSTP Resp. |
| 1 | Signing project MoU |  |  |  |  | +++ | + |
| 2 | Recruitment of project staff and Induction |  |  |  |  | ++++ |  |
| 3 | Proposal Submission to State Research Ethics Committee for their approval and Institutional Ethics Committee Approval |  |  |  |  | ++ | ++ |
| 4 | Expert Consultation |  |  |  |  | ++ | ++ |
| 5 | IEC approval and state government approvals |  |  |  |  | ++ | ++ |
| 6 | Study Tool Pre-testing |  |  |  |  | +++ | + |
| 7 | Data collection |  |  |  |  | +++ | + |
| 8 | Data Analysis |  |  |  |  | +++ | + |
| 9 | Report preparation - draft |  |  |  |  | +++ | + |
| 10 | Final Report |  |  |  |  | +++ | + |
| 11 | Development of dissemination/ advocacy materials |  |  |  |  | +++ | + |
| 12 | Dissemination Workshop |  |  |  |  | ++ | ++ |

Here + represents 25%, ++ 50%, +++ 75% and ++++ 100 %

**Budget**

The total budget for proposed engagement will be INR 14,67, 519 inclusive of taxes

**Bank Account Details**

|  |  |  |
| --- | --- | --- |
|  | **Name of the Beneficiary** | AIIMS Bhubaneswar Research Account |
|  | **Bank Name** | Bank of India |
|  | **Account Number** | 557810110001311 |
|  | **Bank Address** | Bank of India, AIIMS, Bhubaneswar, SIjua, P.O Patrapada, Bhubaneswar, Odisha |
|  | **IFSC Code** | BKID0005578 |
|  | **Swift Code** | BKIDINBB |

**Remuneration**

The entire fee/compensation, not exceeding INR 14,67, 519 inclusive of taxes would be paid to the account mentioned above held by the AIIMS Bhubaneswar.

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| **Sr. No** | **Deliverables** | **Timeline** | **Payment Instalment**  **(INR)** | **Percentage** |
| 1 | Inception Report, Document on Advisory Committee Constitutions, Document on State Research Ethics Committee Proposal Submission | August | 3,66,880.00 | 25% |
| 2 | Expert Consultation Report; IEC and State Research Ethics Committee Approval Certificate, | September | 5,87,008.00 | 40% |
| 3 | Interim Analysis Report; | October | 3,66,880.00 | 25% |
| 4 | Study Report, Dissemination Workshop Report | November | 1,46,751.00 | 10% |
| **Total** | | | **14,67,519.00** |  |

**Term of Contract**

This contract period is from **August 01, 2022** to **November 30, 2022.** All India Institutes of Medical Sciences, Bhubaneswar will be engaged under the agreement from the date of signing the contract till the date of closure as mentioned above**. The contract will be considered closed when the deliverable is received, and final report is submitted.**