Government of the People's Republic of Bangladesh
Planning Commission
Programming Division
URP: PCMU

Consultancy Services for Monitoring and Evaluation (M&E)
of
Urban Resilience Project (URP)

Draft 16th Quarterly Progress Report
(January - March, 2022)






May 16, 2022

GOPA Consultants, Germany
in joint venture with
Services and Solutions International Limited (SSIL), Bangladesh

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List of Abbreviations

APR	Annual Progress Report
BNBC	Bangladesh National Building Code
BOQ	Bill of Quantities
BUERP	Bangladesh Urban Earthquake Resilience Project
CCR	Command and Control Room
CDMP	Comprehensive Disaster Management Programme
CNR	Concept Note Report
CPT	Cone Penetration Tests
DDM	Department of Disaster Management
DEA	Detailed Engineering Assessment
DNCC	Dhaka North City Corporation
DoE	DoE- Department of Environment
DPP	Development Project Proposal
DRM	Disaster Risk Management
DRR	Disaster Risk Reduction
DSCC	Dhaka South City Corporation
ECPS	Electronic Construction Permitting System
ECT	Emergency Communication Technology
EHS	Environmental, Health, and Safety Guidelines
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
EOC	Emergency Operation Centre
ERCC	Emergency Response and Communication Centre
ERD	Economic Relations Division
ESS	Environmental and Social Safeguard
FIDIC	Federation Internationale des Ingenieurs Conseils
FSCD	Fire Service and Civil Defence
GIS	Geographic Information System
GOB	Government of Bangladesh
GRC	Grievance Redress Committee
GRM	Grievance Redress Mechanism
HF	High Frequency
HRVA	Hazard, Risk and Vulnerability Analysis
IA	Implementation Agency
IAB	Institute of Architects Bangladesh
IBAS++	Integrated Budget and Accounting System
ICC	International Code Council
ICT	Information Communications Technology
IDOS	Institutional Design and Organizational Study
IEB	Institution of Engineers, Bangladesh
IMED	Implementation, Monitoring and Evaluation Division
INSARAG	International Search and Rescue Advisory Group
IRI	Intermediate Results Indicator
IUFR	Interim Unaudited Financial Report
KAA	Key Agreed Actions
KII	Key Informant Interviews
LIMS	Labour Influx Management Strategy
M&E	Monitoring and Evaluation

MoDMR	Ministry of Disaster Management and Relief
MoHPW	Ministry of Housing and Public Works
MoU	Memorandum of understanding
MSR	Monitoring Status Report
MTR	Midterm Review
NDMRTI	National Disaster Management Research and Training Institute
NDRCC	National Disaster Risk Coordination Committee
NOA	Notification of Award
O&M	Operation and Maintenance
PAD	Project Appraisal Document
PAP	Professional Accreditation Programme
PCMU	Project Coordination and Monitoring Unit
PD	Project Director
PDO	Project Development Objectives
PDOI	Project Development Objectives Indicators
PEA	Preliminary Engineering Assessment
PIC	Project Implementation Committee
PIU	Project Implementation Unit
PMIS	Project Monitoring Information System
PP	Procurement Package
PPE	Personal Protective Equipment
PSC	PSC-Project Steering Committee
PWD	Public Works Department
QPR	Quarterly Progress Report
RADP	Revised Annual Development Programme
RAJUK	Rajdhani Unnyan Katripakhya (City Development Authority)
RF	Results Framework
RSLUP	Risk Sensitive Land Use Planning
RTI	Research Triangle Institute
RVA	Rapid Visual Assessment
SAR	Search and Rescue
SCC	Sylhet City Corporation
SCPT	Seismic Cone Penetration Tests
SEA	Strategic Environmental Assessment
SMART	Specific, Measurable, Attributable, Relevant, Time-bound
SPT	Standard Penetration Tests
STEP	Systematic Tracking Exchange in Procurement
SWOC	Strength, Weakness, Opportunity and Challenges
TED	Training, Exercise and Drill
TOR	Terms of Reference
URP	Urban Resilience Project
URU	Urban Resilience Unit
VHF	Very High Frequency
WB	World Bank

Table of Contents

Executive Summary ..... **i**

1 Background **1**

1.1 Introduction 1

1.2 Purpose of the Quarterly Progress Reports (QPRs) 1

1.3 Methodological Approach taken in preparing (QPRs) 1

2 Progress of URP by Project Components in 3rd Quarter of Current Fiscal Year **3**

2.1 Component A: Reinforcing the Country's Emergency Management Response Capacity 4

2.2 Component B: Vulnerability Assessment of Critical and Essential Facilities (RAJUK) 9

2.3 Component C: Improved Construction, Urban Planning and Development 14

2.4 Component D: Project Coordination, Monitoring and Evaluation 21

2.5 Implementation of Environmental and Social Safeguard Standards 23

2.5.1 Monitoring of Safeguard Compliance at URU Building Site 23

2.5.2 M&E Team Site Visit to URU Building Site 34

2.5.3 M&E Team Site Visit to DNCC's Green Field Towers 37

3 Rolling Total of Physical Progress since July 2021 ..... **39**

3.1 Component A: Reinforcing the Country's Emergency Management Response Capacity 39

3.2 Component B: Vulnerability Assessment (VA) of Critical and Essential Facilities 40

3.3 Component C: Improved Construction, Urban Planning and Development 41

3.4 Component D: Project Coordination, Monitoring and Evaluation 42

4 Financial Progress for 3rd Quarter FY 2021-22 ..... **43**

4.1 Introduction 43

4.2 DDM: Quarterly Allocation vs Actual Expenditures 44

4.3 DNCC: Quarterly Allocation vs Actual Expenditures 44

4.4 RAJUK: Quarterly Allocation vs Actual Expenditures 45

4.5 PCMU: Quarterly Allocation vs Actual Expenditures 46

4.6 Financial Analysis of PIU Performances 47

4.7 Cumulative Financial Progress of URP: June 2015 - March 2022 48

5 Challenges and Opportunities **49**

6 Recommendations and Conclusions **53**

Annex **53**

Executive Summary

Executive Summary of the 16th Quarterly Progress Report (QPR) recaps the most important developments in the Urban Resilience Project's (URP) physical and financial progress during the past quarter stretching from January 1st until March 31st 2022. The report also delineates a projection of possible and planned activities for the next three months up to June 30th, 2022. This part of the report summarizes the key findings, challenges and opportunities, conclusions and recommended corrective actions of the Monitoring and Evaluation (M&E) team. The draft version of this report was submitted to Project Co-ordination and Monitoring Unit (PCMU), Planning Commission on May 16, 2022.

I. Findings: Brief Summary of Quarterly Progress by URP Sub-component and Implementing Agency

DDM and Sub-components A-1 and A-5 of Component A (Reinforcing the Country's Emergency Management Response Capacity)

Activities under **Sub-component A-1:** In order to renovate and equip ERCC & NDMRTI there has been a very little progress from the last reporting quarter. While it has been reported earlier that the training rooms and other planned facilities have been renovated for NDMRTI and training programs are being organized here on and off basis as the NDMRTI is ready for use. In this reporting quarter the first lot of ICT equipment for ERCC and NDMRTI has been delivered. But this facility was supposed to act as the national training center for emergency response professionals under URP. While the "output" has been achieved, the desired "outcome" of Sub-component A-1 has not been achieved since the TED program was not implemented. The role of the ERCC is to act as a national center for command-and-control for the government's response in the event of a major disaster. Although the planned renovation works are completed from DDM part, the facility (ERCC) is yet to be renovated with the Emergency Communication Technology (ECT) equipment being procured by DNCC. These facilities are expected to be equipped with ECT equipment within July 2022.

Under **Sub-component A-5:** the Training, Exercise, and Drills (TED) Program had been postponed since mid-March 2020 and later the contract with the consultant team of REM/DTCL was expired in November 2020. *The reported financial dispute with REM/DTCL is still pending and didn't settle*. The alternative initiative to restart the TED program under the UNDP-World Bank standard agreement for technical assistance has a good progress. Terms of Reference (ToR) for the proposed new TED program with UNDP has been prepared and finalized. The mentioned TED program (Consultancy Service for Training, Exercises and Drills Program -URP-DDM/S-3.1) is supposed to be implemented as a new service contract after approval of DDM's DPP.

Regarding the financial progress: **DDM spent 119.11 Lac BDT i.e., 6.44%** compared to its quarterly allocation of 1,850 Lac BDT.

DNCC and Sub-components A-2, A-3 and A-4 of Component A

DNCC is responsible for managing three (3) sub-components under Component A (that is, A-2, A-3 & A-4) to reinforce Bangladesh's disaster response management (DRM) capacity.

Under **Sub-component A-2** (to build, renovate and outfit local-level city corporation and FSCD DRM facilities), most of the facilities under the Sub-Component had already been constructed before this reporting period. All the procurement work under subcomponent A-2 has been completed. In the reporting quarter, construction work for the Green-field towers of FSCD and City Corporations found ongoing. While the report is being prepared, 11 Greenfield Tower construction work were ongoing.

Under **Sub-Component A-3** (to supply, install and integrate specialized emergency communication technology), some furniture for EOCs of City Corporations and Command & Control Centre of FSCD (G-1.16) were delivered. In addition, most of the tasks for GIS based assets inventory and web GIS based asset management system has been prepared for all the City Corporations (DNCC, DSCC and SCC). The dissemination workshop will take place after submission of the Final Report. The construction of the rooftop base stations, installation and testing of the DMR Network is also ongoing. Vendors training for operation and maintenance (O&M) have been conducted for each agency (DSCC, DNCC & SCC) by the ICT equipment supplier.

For **Sub-component A-4** situation remain unchanged from last quarter as the delivery of three Search and Rescue (SAR) boats that was delayed for Covid pandemic and global supply chain interruption. These are expected to be delivered within October 2022.

Regarding the financial progress: **DNCC spent 1,067.81 Lac BDT i.e., 13.84%** compared to its quarterly allocation of 7,713.6 Lac BDT.

RAJUK and Component B and C

RAJUK is responsible for implementing of ***Component B*** (Vulnerability Assessments of Critical and Essential Facilities) and **Component C** (Improved Construction, Urban Planning and Development)

Under **Sub-component B-1** (Vulnerability Assessment of Critical and Essential Facilities and Lifelines), **Rapid Visual Assessment (RVA)** and **Preliminary Engineering Assessment (PEA)** have been done earlier; the physical works for the DEA (Detail Engineering Assessment) of 0.25 million sqm has been completed to assess public buildings in Dhaka. Feasibility report following DEA for all the buildings with floor area totaling 250,000 sqm including retrofitting design and cost estimates for buildings eligible for retrofitting works have been submitted which is under review process.

Under **Sub-component B-2:** to develop the Risk-Sensitive Land-Use Planning (RSLUP) System**,** several field tests (i.e., Standard Penetration Tests, Cone Penetration Test, Seismic Downhole Test) were conducted to prepare Geotechnical Study before this quarter. Following the completion of all main geotechnical studies and the submission of the draft *Greater Dhaka Risk Sensitive Land Use Strategy*, the NKY consulting firm has conducted four validation meeting with the key findings.

The objective of ***Component C*** is to put in place the institutional infrastructure and competencies required by RAJUK to reduce the long-term disaster vulnerability of the built environment and critical urban services in the greater Dhaka metro area. This is intended to address both the existing built environment as well as future development and infrastructure investments.

Sub component C-1 was designed to support activities related to setting up of an Urban Resilience Unit (URU) within RAJUK to develop its human and capital resources, both in number and capacity, to undertake these activities to strengthen Dhaka's urban resilience.

In this reporting quarter under the URU building construction- completion of Rebar fixing with concrete casting for retaining wall and column; form-work, staging, scaffolding and MS fabrication and other major works were done for the beam and roof of Basement -2 (B2). On January 17, 2022 the concrete casting was done for roof and basement (B-2). In addition, rebar fixing with concrete casting for retaining wall, column, ramp, and lift core of Basement-1 (B1) were also completed.

Regarding URU institutionalization, no significant progress took place since last quarter. The operationalization of URU is very much important considering its future role and long-term viability. It seems that this process may take prolonged time to complete considering the trend of past progress.

Sub-component C-2 was intended to design, develop, and implement an Electronic Construction Permitting (e-permit) System (ECPS) for building construction in Dhaka. Since the launching of the system, no further progress was reported. RAJUK is still negotiating with selected Banks for signing the MoU to process payment for ECPS. Piloting of the system is expected to begin after payment gateway selection.

Sub-component C-3 was designed to improve the professional competency and ethical standards of practice of professional engineers, architects, planners, and other construction professionals. In the reporting quarter the consulting firm 'International Code Council (ICC)' conducted 48 training sessions for Structural Engineers – (SEng). A total of 2,942 individuals registered on the portal. Of which, 1,100 individuals have attended various training sessions.

Sub-component C-4 includes activities to build the capacities and administrative structure of RAJUK to implement and enforce the Bangladesh National Building Code (BNBC), as well as the provisions of the Structural Plans and Detailed Area Plans (DAPs). In this reporting quarter Education & Outreach Campaign, training for Bangladesh Scouts & Bangladesh Girls Guide and BNBC Implementation & Enforcement Sensitization Meetings were conducted. Public awareness with emphasis on earthquake resistance and education & outreach campaign program (TV Commercial, TV talk show, FGD at mosque & temple, Mock Drill with regard to earthquake and fire safety) are on-going.

Regarding the financial progress, **RAJUK spent 696.18 Lac BDT i.e.,** near **20%,** compared to its quarterly allocation of 3,500 Lac BDT.

PCMU and Component D (Project Coordination, Monitoring and Evaluation)

Component D (Project Coordination, Monitoring and Evaluation) is implemented by PCMU, which manages the work of the M&E team. The Project Coordination and Monitoring Unit (PCMU) is primarily responsible for the project's coordination, monitoring and evaluation. The M&E team is responsible to monitor compliance with the World Bank's applicable safeguard & fiduciary requirements, prepare Quarterly Progress Reports, Annual Reports, end-of-project report and to conduct an independent mid-term review.

The M&E team submitted its 15th Quarterly Progress Report (QPR) covering the period from October 1, 2021 to December 31, 2021. PCMU organized one Technical Committee Meeting to discuss the progress and review the Progress Report in April 2022. After thorough discussions followed by the detailed progress review and suggestions, the Report was suggested to recast for placing in the next PSC meeting. PCMU has revised its DPP and submitted for approval to continue its coordination role and provide the Monitoring & Evaluation services for the URP. As of preparation this report the DPP is in the approval process. One Project Evaluation Committee (PEC) meeting was organised on February 14, 2022 to review the DPP.

Regarding the financial progress, **PCMU spent 73.05 Lac BDT i.e., 41.74%,** compared to its quarterly allocation of 175 Lac BDT.

II. Challenges and Opportunities

Most of the challenges remain unchanged from last quarter. Considering the nature of the project, challenges and recommendations are quite identical from post covid situation.

Due to the postponement of the TED Programme, the achievement of Project Development Objective (PDO) i.e., *"to strengthen the capacity of Government of Bangladesh agencies to respond to emergency events and to strengthen systems to reduce the vulnerability of future building construction to disasters in Dhaka and Sylhet"* is at high risk. **Besides, the Project Development Objectives Indicator (PDOI)-3, Intermediate Results Indicators (IRI)-6 & 7 will be completely and the PDOI 1 & 2 will be partially affected** if the planned TED is not implemented.

The **construction progress of the URU building is behind its original schedule**. This delay in the construction first started during the covid pandemic and later disruption caused during the rainy season coupled with the inadequate supply of labor & equipment from the previous sub-contractor. Later the sub-contractor was changed to bring momentum in work progress. However, due to initiate a new setup and understanding the whole system, the new contractor submitted a one-year time extension proposal beyond its original schedule. This proposal is still in the revision process and supposed to be considered subject to approval of the DPP. *But according to M&E team's observation RAJUK is facing difficulties in managing the Chinese Construction firm to maintain the construction work schedule within the project duration.*

In regard to **URU operationalization**, since the last meeting with the Minister, Ministry of Housing and Public Works in December, 2021; it was appeared that no significant progress or concrete decisions were made as an outcome towards the institutionalization pathway. Considering the last couple of years process it seemed that URU institutionalization could really be a challenging task for the RAJUK PIU within present project duration.

The **Electronic Construction Permitting (ECP)** System was launched on last September 2021. But even after seven months of lunching the program the piloting of the ECP system couldn't start as the MoU with selected banks hasn't been signed yet to process payment.

Besides, the M&E team observed multiple instances of non-compliance with the World Bank's applicable **Environmental and Social Safeguard Standards (ESS-1, ESS-2 & ESS-4)** as well as with the Bank's EHS Guidelines; described in Chapter 2. Although a Grievance Redress Committee (GRC) has established, but it did not meet due to lack of having a functioning Grievance Redress Mechanism (GRM) in place to address citizen concerns, complaints, or questions from the public about construction work that is underway. **Nor has a Labor Influx Management Strategy (LIMS) been established** to manage the influx of 60-70 workers on-site during construction. Besides, Multiple environmental and social impacts are visible in some of the construction sites of FSCD's Green Field tower. The environmental and social safeguard compliance monitoring at site has not been performed in line with the Environmental Monitoring Plan (EMP) and the LIMS.

Under URP, a large number of ECT suits with VHF, UHF, HF terminals, DMR network and Search & Rescue (SAR) Equipment are purchased. Facilities created like Command-and-Control Centre, Emergency Operation Centre (EOC), Warehouses, DRM office, Zonal control room, Urban Resilience Unit (URU) -described in details in Chapter 2. Most of this equipment and facilities are handed over to the concerned agencies. But it was observed that periodic **Operation and Maintenance (O&M) for this equipment is a major challenge.** The agencies don't have sufficient budget to carry out the O&M and sometimes they don't even have sufficient space to house this expensive equipment. The sustainability of the project largely depends on

the appropriate O&M of the equipment and training for the personnel who will operate and maintain these equipment.

III. Recommendations and Conclusions

Therefore, given the seriousness of not having implemented Sub-component A-5, **we strongly recommend as the highest priority that the TED Program be restarted as soon as possible and be fully implemented throughout the proposed 18-month extension period.** We also recommend that DDM closely collaborate with FSCD to fully understand and incorporate their requested needs into the TED curriculum. We recommend that training activities be undertaken to make a number of facilities (EOCs, warehouses, DRM offices, and Zonal Control Rooms, etc.) fully functional those were constructed by DNCC under sub-component A-2. The M&E team believes that some **basic training should be provided to local community and civil society or faith-based groups** under a revised and enhanced TED Program. It has been shown from real-life experiences during and immediately after disasters that people in the immediate area or community becomes as the first responders attempting to save the lives of their families and neighbors before 'official' government assistance arrives.

Since the **URU construction** work is still behind its schedule and the contractor submitted a time extension proposal. **Based on the previous work progress this time extension proposal needs to be carefully reviewed by RAJUK PIU and set a realistic duration to complete the construction work.** We recommend that RAJUK needs to effectively follow up with the civil contractor (China State Construction Engineering Corporation Ltd.) and its local part and closely monitor and ensure the construction of the URU (both the W1 and S-11) to be completed by its scheduled duration. The M&E team also recommends that the **URU institutionalization strategy be finalised and approved by RAJUK authorities and relevant Government ministries within the proposed 18-month extension period.** Necessary provision of required staff for URU operationalization could be indicated in the 18-month RDPP.

We recommend that RAJUK needs to ensure that URU construction is in compliance with the DoE and WBG's-IFC **Environmental and Social Safeguard Standards** (ESS) and Environmental, Health and Safety (EHS) Guidelines; with a functional **LIMS, GRC and GRM** in place. In addition, DNCC needs to maintain the Environmental and Social Safeguard Standards in the construction of Green Field towers.

Regarding the sustainability of URP, we believe this could best be achieved through continued training of key staff in the **proper operation and maintenance (O&M) of the equipment** and facilities acquired in this phase of the URP, along with a retention and absorption plan to augment human resources in the government's disaster preparedness and response system. M&E team recommends to take measures in advance by concerned IAs so that **purchased equipment under the URP be listed in the Table of Organogram and Equipment (TO&E) of GoB so that revenue budget is ensured after the project duration.**

The M&E team recommends that **PCMU continue updating the PSC on corrective actions that have been taken by itself or other IAs to implement the decisions of the PSC reached at each meeting**. We believe that this type of more assertive follow-up mechanism will help in the better project coordination and management function.

We also recommend that all implementing agencies keep the M&E team better informed of upcoming events being held by itself or their sub-partners with more advance notification of validation meetings, training sessions, workshops, etc. With this information, senior managers/ decision-makers can more accurately assess the current situation and make better decisions to guide the Project toward a successful conclusion.

CHAPTER 1 Background

1.1 Introduction

This document is the sixteen in a series of consolidated quarterly reports (QPRs) prepared by the Monitoring and Evaluation (M&E) Consultants per the Term of Reference (TOR) with the Project Coordination and Monitoring Unit (PCMU) of the Planning Commission, Ministry of Planning for the Bangladesh Urban Resilience Project (URP). It provides detailed information on the implementation status and progress of the URP between January 1st to March 31st, 2022. In addition, we have included brief updates on progress made since the April 30, 2022 to the extent that information was available.

1.2 Purpose of the Quarterly Progress Reports (QPRs)

As defined under Deliverable 2.1 (Consolidated Project Progress Reports) of the Terms of Reference (TORs) for the M&E Consultants, there are several purposes of the QPRs. These are as follows:

- Prepare three quarterly progress reports at the end of each quarter, and one annual progress report at the end of 4th quarter in each fiscal year, that provide detailed updates on URP implementation progress.
- Independently report on progress made by all four implementing agencies (IAs) in terms of expenditures or inputs, activities conducted, and outputs achieved that help make progress toward the Project's desired outcomes and objectives (i.e., the PDO).
- Identify all URP works completed in the last three months, provide a rolling cumulative list of URP works completed in the current fiscal year, and provide an outlook of works expected to be completed in the next three months.
- Address any emergent governance risks as well as provide implementation compliance information regarding the Environmental and Social Safeguards, as applicable.
- Provide recommendations for any necessary corrective actions to IAs, or changes in the Project's scope, interventions, or processes in order to maintain satisfactory progress and disbursements against established targets and work plans

1.3 Methodological Approach taken in preparing (QPRs)

The M&E Team's methodological approach to preparing this 16th QPR remains identical to the approach used for all previously completed QPRs. The M&E Team's methodological approach to preparing this Quarterly Progress Report remains very similar to the approach used for the previous Quarterly and Annual progress reports. Our liaisons or "point-of-contact" person for each IA continues to use the Monitoring Status Reports (MSR) an extended version of the Key Agreed Actions (KAAs) and Procurement Packages (PP) Tracking formats to collect data on the financial and "physical" status and progress made on required activities and outputs. We are

also complementing these monitoring efforts with information provided in discussions with Project Directors (PDs)/ Deputy Project Directors (DPDs) and key staff members of IAs, and by reviewing their Development Project Proposals (DPPs).

Once collected, the monitoring data is then analyzed by our staff, and organized and presented in these QPRs to inform and assist the project stakeholders on the progress that has been made in the last reporting quarters. In addition, as required by our TORs, we report on the future progress that we project will occur in the next three (3) months. We also use these QPRs to alert decision-makers of any areas of concern, such as certain activities or outputs that are not making sufficient progress, and to make recommendations about what actions might be taken to remedy or correct those concerns.

Our aspiration was to gather this information from each IA in a timely and comprehensive manner shortly just after ending a quarter so that we would be able to analyse the information collected from all the IAs, and include it in the QPRs within our deadline of submission. That aspiration has been realized to a large extent as the exchange of information is flowing more fluidly now, and collaborative working relations have continued to improve. We would still like to see even more interaction and communication with all implementing agencies and other stakeholders, including the World Bank, as well.

CHAPTER 2 Progress of URP by Project Components in 3rd Quarter of Current Fiscal Year

The following section presents the status and progress of each of the implementing agencies (IAs) comprehensively first, and then individually for each Project sub-component starting with sub-component A-1 and continuing through to Component D. This summary of our findings is based on the M&E team's monitoring activities conducted throughout the quarter of all "Key Agreed Actions" (KAAs) designated by the World Bank, as well as our own more-detailed "milestones" that we track of the applicable activities and deliverables that were expected to be completed in the 3rd quarter of FY2021-2022.

An overview of these results is shown below in Table 2.1. We then summarize the results achieved for each one of the five sub-components (A-1 – A-5) under Component A, providing detailed information about the status of each milestone or KAA so that decision-makers know which tasks are progressing satisfactorily, and which ones require more management attention.

Out of an overall total of 103 "milestones", of which 88 were active in the last quarter. Of those active milestones, we found that one (1) had been "completed on time," and six (6) were "completed late." In addition, one (1) was still "on-going," 59 milestones were "due, but still on-going," and another twenty-one (21) milestones were "due, but [had made] no progress." Fifteen (15) were not due until the next quarter (the current 4th quarter). Thus, subtracting the 15 "inactive" milestones, out of the 88 applicable milestones, 7 (8%) had been completed either on-time or late. The great majority of 59 milestones (67%) were "due, but still on-going." Also, one (1) milestone or 1% were on-going. Finally, 21 milestones, or 23%, were "due, but had made no progress." Table 2.1 below provides decision- makers with a quick summary of our monitoring results for all four components and 13 sub- components of the Project.

Table 2.1: Quarterly Summary of Status and Progress of URP (January - March, 2022)

Component Name	Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month projection	Sub-total
A1 (DDM) Renovate and equip ERCC & NDMRTI	0	0	0	0	0	0	0
A2 (DNCC) Renovation and Outfitting of City Corporation and FSCD ER facilities	0	0	1	1	0	0	2
A3 (DNCC) Specialized ECT Equipment Procured	0	0	0	12	0	4	16
A4 (DNCC) Procurement of Search & Rescue equipment	0	0	0	1	0	0	1
A5 (DDM)	0	1	0	0	0	1	2

Component Name	Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month projection	Sub-total
Multi-Agency Training, Exercises & Drills Program							
B1 (RAJUK) Vulnerability assessment of critical and essential facilities and lifelines	**0**	**1**	**0**	**15**	**9**	**0**	**25**
B2 (RAJUK) Risk sensitive land use planning practice	**0**	**1**	**0**	**10**	**0**	**0**	**11**
C1 (RAJUK) Create and operationalise the Urban Resilience Unit	**0**	**0**	**0**	**2**	**0**	**0**	**2**
C2 (RAJUK) Establish an Electronic Construction Permitting System	**0**	**0**	**0**	**1**	**1**	**1**	**3**
C3 (RAJUK) Set Up a Professional Accreditation Program	**0**	**1**	**0**	**3**	**4**	**2**	**10**
C4 (RAJUK) Improve Building Code (BNBC) Enforcement	**0**	**0**	**0**	**3**	**5**	**1**	**9**
URU Building (RAJUK) with Lab equipment	**0**	**1**	**0**	**6**	**1**	**5**	**13**
D (PCMU) Project Coordination, Monitoring and Evaluation	**1**	**1**	**0**	**5**	**0**	**2**	**9**
Total	**1**	**6**	**1**	**59**	**21**	**15**	**103**

2.1 Component A: Reinforcing the Country's Emergency Management Response Capacity

Component A is being implemented jointly by the Dhaka North City Corporation (DNCC) on behalf of itself, Dhaka South CC, Sylhet CC, and Fire Service and Civil Defence (FSCD), and by the Department of Disaster Management (DDM). DDM is responsible for completing Sub-components A-1 and A-5, while DNCC is responsible for implementing Sub-components A-2, A-3, and A-4. These sub-components are summarized in order briefly below:

❖ Sub-Component A-1: Renovation and Outfitting of Building for ERCC and NDMRTI

Under this **Sub-component A-1:** DDM is responsible to renovate spaces on several floors of the DDM building for the establishment of the Emergency Response and Communication Centre (ERCC) and the National Disaster Management Research and Training Institute (NDMRTI).

Earlier, it has been reported in the quarterly progress reports that those renovation activities were completed in the last reported quarters. For NDMRTI, several training rooms, multipurpose halls, library and auditorium have been renovated and training programs organized periodically.

In that sense, the NDMRTI is ready for use, but it is still not being used for its intended purpose yet. The first consignment of ICT equipment for ERCC and NDMRTI has been delivered. Several other parts of NDMRTI and ERCC are yet to be equipped with more ICT equipment.

The role of the ERCC is to act as a national centre for command-and-control for the government's response in the event of a major disaster. The ERCC is supposed to functions similarly to an EOC except it is the national centre to coordinate the deployment of assets and resources to support subordinate EOCs to make decisions and take action. Although the planned renovation works are completed from DDM part, the facility (ERCC) is yet to be renovated with the Emergency Communication Technology (ECT) equipment being procured by DNCC. So, the effectiveness of the ERCC will largely be dependent upon fully utilizing the three (3) EOCs and successfully completing the renovation work of the ERCC with ECT equipment.

❖ Sub-component A-2: Renovation and Outfitting of City Corporation and FSCD Emergency Response (ER) facilities

Under **Sub-Component A-2**, DNCC is responsible for building, renovating, and outfitting local-level City Corporation (DNCC, DSCC, and SCC) and FSCD DRM facilities in Dhaka and Sylhet. There are a total of 31 milestones under Sub-component A-2, among those two (2) are applicable in this reporting period (Q3, FY 21-22), one (1) milestone was "on-going," and the other one (1) milestone are "due but on-going".

Table 2.2: Quarterly Totals for URP Sub-component A-2

Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month projection	Total
0	0	1	1	0	0	2

Source: Milestone Status Reports/Data Collection Forms for 3rd Quarter of FY 2021-22.

❖ **On-going: (1)**

1) Construction of Greenfield Tower for DNCC, DSCC and SCC (W-2.4). 6 sites work ongoing out of 8 sites.

❖ **Due but On-going: (1)**

1) Construction of Greenfield Tower for FSCD (W-2.5). 7 sites work ongoing out of 10 sites.

Ongoing Column casting work of Green Field tower

Main Accomplishments and Non-accomplishments under Sub-Component A-2

All the procurement work under subcomponent A-2 has been completed. The construction of 18 (60-meter) wireless communication Green Field towers (10 for FSCD and 8 for DNCC, DSCC & SCC) are the remaining activities under this sub-component. These towers will work as the backbone infrastructure to maintain communications among the ECT equipment (DMR network,

UHF radio terminals and related installations) located at different stations procured under Sub-component A-3.

Civil work has been completed for seven (7) sites of FSCD (W-2.5) out of 10. Construction ongoing for one (1) site (Barisal) and the remaining two sites (Mymensingh and Chattogram) were not yet handed over to the contractor. In addition, Civil work completed for four (4) towers of DNCC, DSCC and SCC (W-2.4) out of 8. Construction works ongoing for two (2), work will start soon for one (1) tower and work not started for the remaining one (1) since the site (Aminbazar, Dhaka) was not yet handed over to the contractor.

3-month projection
The ongoing two (2) milestones i.e., the construction of Greenfield tower for DNCC, DSCC, SCC and FSCD are expected to be completed this quarter (4th Q of FY 2021-22).

❖ Sub-Component A-3: Procurement of Specialized ECT Equipment

Under **Sub-Component A-3**, the M&E team is tracking a total of 97 milestones. of which 13 milestones are applicable for the reporting period. Among these 12 milestones, twelve (12) were "due, but on-going" and remaining four (4) milestones are expected to be completed within the current quarter (3rd Q of FY 2021-22) as shown below in Table 2.3.

Table 2.3: Quarterly Totals for URP Sub-component A-3: Procurement of ECT Equipment

Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month projection	Total
0	0	0	12	0	4	16

Source: Milestone Status Reports/Data Collection Forms for 3rd Quarter of FY 2021-22.

❖ **Due, but on-going: (12)**

1) Installation of specialized ICT equipment (Lot-01: DMR network, UHF radio terminals and related installations for SCC (G-1.4).
2) Installation of specialized ICT equipment (DMR network and related installations-VHF) for FSCD (G-1.8).
3) Installation of specialized ICT equipment (DMR network and related installations-UHF) for DNCC (G-1.9).
4) Installation of specialized ICT equipment (DMR network and related installations-UHF) for DSCC (G-1.10).
5) Final base map preparation of GIS based maps (Ward level) at DNCC, DSCC & SCC (S-9).
6) Delivery of ICT Equipment for Emergency Operation Center (EOC) at DNCC (G-1.14).
7) Installation of ICT Equipment for Emergency Operation Center (EOC) at DNCC (G-1.14).
8) Delivery of ICT Equipment for Emergency Operation Center (EOC) at DSCC and SCC (G-1.18).
9) Delivery of ICT Equipment for Command-and-Control Room (CCR) at FSCD, Dhaka and FSCD, Sylhet (G-1.19).
10) Application development for preparation of GIS based maps (Ward level) at DNCC, DSCC & SCC (S-9).

11) Draft final report preparation of GIS based maps (Ward level) at DNCC, DSCC & SCC (S-9).
12) Final Report preparation of GIS Based Maps (Ward level) at DNCC, DSCC & SCC (S-9).

Main Accomplishments and Non-accomplishments in Last Quarter

Under Sub-Component A-3, The construction of the rooftop base stations and installation of the DMR Network is ongoing. While the report is been prepared it has identified that construction of one hundred six (106) rooftop base stations are completed and more nine (9) were ongoing.

ICT Equipment for (EOC) at DNCC, DSCC, SCC & CCR at FSCD (G-1.14, G-1.18, & G-1.19) were partially delivered and remaining equipment arrived at the port. In addition, the first consignment of ICT equipment (G-1.15) for NDMRTI & ERCC for DDM has been handed over. Installation and testing process for the ICT Equipment (DMR Network) of FSCD is ongoing.

In addition, two number of 5-day long vendors training for operation and maintenance (O&M) have been conducted for each agency (DSCC, DNCC & SCC) by the ICT equipment supplier.

Vendor training program on ICT equipment (DMR Network) operation and maintenance (O&M) for DSCC, DNCC & SCC.

The preparation of GIS Based Maps (Final Base Map Report, Application Development, Draft & Final Report) is late but ongoing for DNCC, DSCC & SCC area.

3-month projection

1) Delivery of ICT Equipment for ERCC & NDMRTI under DDM (G-1.15).
2) Installation of ICT Equipment for ERCC & NDMRTI under DDM (G-1.15).
3) Installation of ICT Equipment for Emergency Operation Center (EOC) at DSCC and SCC (G-1.18).
4) Installation of ICT Equipment for Command-and-Control Room (CCR) at FSCD, Dhaka and FSCD, Sylhet (G-1.19).

The “due, but on-going” milestones remain the same as like the last quarter mostly comprise the installation of the remaining DMR networks for FSCD and city corporations. It was expected that those overdue activities would be completed within the last quarter but still projected for the completion. In addition, delivery and installation of ICT equipment for ERCC & NDMRTI under DDM & EOCs of city corporations; and Command-and-control centres for FSCD will be continuing in this ongoing quarter.

❖ Sub-Component A-4: Procurement of Specialized Search and Rescue (SAR) Equipment

Under Sub-Component A-4, the M&E Team is tracking a total of 37 milestones. Among these, only one (1) milestone was active during this reporting period (Q2, FY 21-22), which is expected to be completed this quarter.

Table 2.4: Quarterly Totals for Sub-component A-4

Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month projection	Total
0	0	0	1	0	0	1

Source: Milestone Status Reports/Data Collection Forms for 3rd Quarter of FY 2021-22.

➢ **Due, but still on-going: (1)**

1. Delivery of Search and Rescue Equipment (3 Rescue Boats) (G-2.11).

Major Accomplishments and Non-accomplishments in the FY 2020-21

No further progress made under this sub-component in delivering the rescue boats. The supply of rescue boats, which is delayed as the European shipment of the raw materials (to be assembled into the boat in India) were stuck due to COVID-19 pandemic and global supply chain interruption. DNCC is maintaining close communication with the supplier so that the boats could be delivered within October 2022. The field inspection has been done by the Bureau Veritas (India) Private Limited on April 19, 2022. Inspection reports are attached as *Annex-9.*

Rescue Boats Assembling process in Chennai, India

❖ Sub-Component A-5: Multi-Agency Training, Exercises & Drills (TED) Program

The Training, Exercise, and Drills (TED) Program had been postponed since mid-March 2020. Later, the contract with the consultant team of REM/DTCL was expired in November 2020. To relaunching the TED program, finalize ToR and signing contract are the milestones for which DDM is working to achieve.

Table 2.5: Quarterly Totals for URP Sub-component A-5: TED Program

Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month projection	Total
0	1	0	0	0	1	2

Source: Milestone Status Reports/Data Collection Forms for 16thQuarter of 3rd quarter of FY 2021-22.

➢ **Completed late: (1)**

- Finalization of ToR to lunch TED programme.

Main Accomplishments and Non-accomplishments

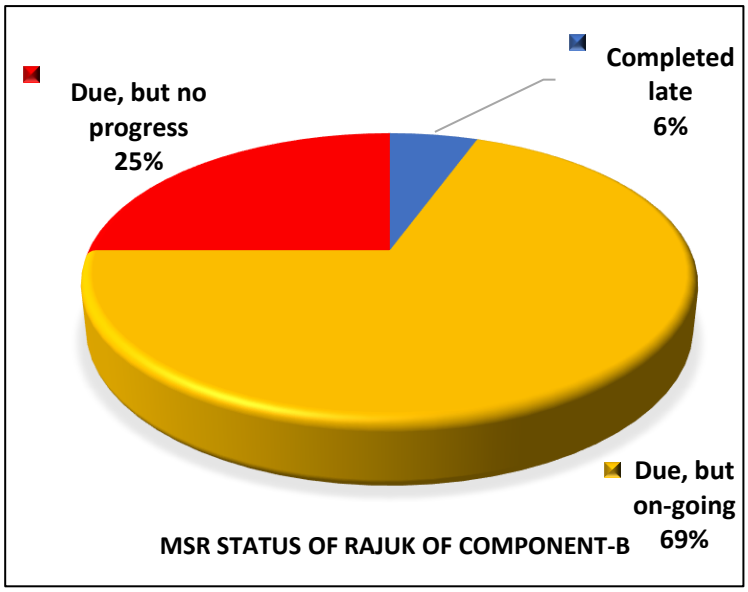
Financial settlement between PIU-DDM and REM-DTCL (Risk & Emergency Management Associate-Development Technical Consultants Limited) is still underway, and didn't resolve. Besides, to resume the TED program with a single source procurement, DDM prepared and finalized the Terms of Reference (ToR) for a new contract with UNDP to continue the TED program. Followed by the DPP approval the contract will be signed and the training program is expected to start in June 2022.

3-month projection

- Contract Signing with UNDP to implement TED programme.

2.2 Component B: Vulnerability Assessment of Critical and Essential Facilities (RAJUK)

RAJUK (*Rajdhani Unnayan Kartripakkha* or the Capital Development Authority in English) is the sole implementing agency for both sub-components of Component B of the URP. The two sub-components are being carried out by the same consulting group led by NKY Architects and Engineers as the prime contractor. Both sub-components B-1 and B-2 are intended to use and build upon previous work done under the Bangladesh Urban Earthquake Resilience Project (BUERP) and the Comprehensive Disaster Management Program (CDMP).



The two sub-components are:

B-1: Conducting a vulnerability assessment (**VA**) of critical and essential facilities; and

B-2: Supporting the development of risk-sensitive land use planning (**RSLUP**) practices in Dhaka.

Table 2.6: Quarterly Totals for Component B: Vulnerability Assessments of Critical and Essential Facilities in Dhaka (RAJUK)

Component Name	Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month Projection	Sub-total
B1	0	1	0	15	9	0	25
B2	0	1	0	10	0	0	11
Total	0	2	0	25	9	0	36

Source: Milestone Status Reports/Data Collection Forms for 16thQuarter of 3rd quarter of FY 2021-22.

❖ Sub-Component B-1: Vulnerability Assessment of Critical and Essential Facilities and Lifelines

The scope of work for the Vulnerability Assessment **under Sub-component B-1** is focused on two activities:

(i) A two-year effort to assess the vulnerability and risks from floods and earthquakes of over 2,100 schools, nearly 500 hospitals, 60 police and alpha fire stations, government buildings and other key public facilities in the greater metro area of Dhaka, and

(ii) A long-term vulnerability reduction investment plan of prioritized existing buildings for retrofitting and rehabilitation. This investment plan will serve as a key input to developing a long-term Dhaka Urban Resilience Strategy and Investment Plan.

There is a total of 59 milestones being tracked under Sub-component B-1, of which 25 were applicable during this last reporting period (3rd quarter FY2020-21). Of these 25 milestones, one (1) task was "Complete late," 15 tasks were "Due, but on-going," and the rest nine (9) tasks were "Due but [had made] no progress". These due 24 tasks targeted to be completed by June 30, 2022.

Table 2.7: Status of Sub-component B-1 (RAJUK): Vulnerability Assessment of Critical and Essential Facilities

Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 months projection	Total
0	1	0	15	9	0	25

Source: Milestone Status Reports/Data Collection Forms for 16thQuarter of 3rd quarter of FY 2021-22.

➢ **Complete late: (1)**

1. Submitted Feasibility report following DEA for all the buildings with floor area totalling 250000 sqm including retrofitting design and cost estimates for buildings eligible for retrofitting works (MD-06).

➢ **Due, but on-going: (15)**

1. Preliminary Design Report (D-10.1); the due date of completion was July 17, 2020 – currently, **19 months late.**
2. Preliminary Design Report (D-10.2); the due date of completion was August 14, 2020- currently, **19 months late.**
3. Material Test Report (D-11.1); the due date of completion was March 5, 2020 currently, **23 months late**.
4. Material Test Report (D-11.2); the due date of completion was May 11, 2020 – currently,**21 months late**.
5. Synthesis Report (D-12.1); the due date of completion was August 14, 2020 - currently, **19 months late.**
6. Synthesis Report (D-12.2); the due date of completion was September 13, 2020 - currently, **18 months late.**
7. Preparation of the Conditions of Contract Form of Bid, Technical Specifications (D-13.1); the due date of completion was September 15, 2020 - currently, **18 months late.**
8. Preparation of the Bill of Quantities, Pricing Preambles, Final Designs, etc. (D-13.2); the due date of completion was September 15, 2020 - currently, **18 months late.**

9. Preparation of the Conditions of Contract Form of Bid, Technical Specifications (D-13.3); the actual date of completion was September 22, 2020 - currently, **18 months late.**
10. Preparation of the Bill of Quantities, Pricing Preambles, Final Designs, etc. (D-13.4); the actual date of completion was September 22, 2020 - currently, **18 months late.**

11 Review and Revision of Feasibility report following DEA for all the buildings with floor area totalling 250000 sqm including retrofitting design and cost estimates for buildings for retrofitting works (MD-06); actual date of completion was June 1, 2021- currently, **9 months late.**

12. Approval of Feasibility report following DEA for all the buildings with floor area totalling 250000 sqm including retrofitting design and cost estimates for buildings for retrofitting works (MD-06); actual date of completion was June 1, 2021- currently, **9 months late.**
13. Submission of Feasibility report following DEA for all the remaining building at the 3rd level including retrofitting design and cost estimates for buildings eligible for retrofitting work (totalling a floor area of 150000 sqm) (MD-07); actual date of completion was September 20, 2021- currently, **6 months late.**
14. Review and Revision Feasibility report following DEA for all the remaining building at the 3rd level including retrofitting design and cost estimates for buildings eligible for retrofitting work (totalling a floor area of 150000 sqm) (MD-07); actual date of completion was October 20, 2021- currently, **5 months late.**
15. Approval of Feasibility report following DEA for all the remaining building at the 3rd level including retrofitting design and cost estimates for buildings eligible for retrofitting work (totalling a floor area of 150000 sqm) (MD-07); actual date of completion was November 20, 2021- currently, **4 months** late**.**

➢ **Due, but no progress: (9)**

1. Analysis of the Outcomes and Framework Plan Report stating the overall findings and "Way Forward" recommendations. (D-14); the actual date of completion was February 11, 2021- currently, **12 months late.**
2. Full documentation and preparation of reports and deliverables (D-15); the actual date of completion was January 20, 2022- currently, 2 **months late.**
3. Preparation of the Dhaka Urban Resilience Strategy with the vision statement, specific objectives (D-16); actual date of completion was November 15, 2021- currently, **4 months late.**
4. Preparation of Investment Report for the activities to be carried out ın phase wise for short, medium and long term objectives identified. (D-17); actual date of completion was November 15, 2021- currently, **4 months late.**
5. Preparation of Investment Plan and objective report for buy-in process (D-18); actual date of completion was November 15, 2021- currently, 4 **months late.**
6. Report on Implementation Mechanisms, Monitoring and Evaluation Mechanisms and Mainstreaming Mechanisms and validation by PWG, POC, and relevant agencies and Ministries. (D-19); actual date of completion was January 20, 2022- currently, 2 **months late.**
7. Submitted the Long-Term Investment and Strategy Guideline as per activities defined (MD-08); actual date of completion was January 20, 2022- currently, 2 **months late.**
8. Review and Revised the Long-Term Investment and Strategy Guideline as per activities defined (MD-08); actual date of completion was February 20, 2022- currently, 2 **months late.**

9. Approval of Long-Term Investment and Strategy Guideline as per activities defined (MD-08); actual date of completion was March 20, 2022- currently, 1 **month late.**

Major Accomplishments

Under **Sub-component B-1,** the physical works for the **DEA (Detail Engineering Assessment)** of 0.25 million sqm has been completed to assess public buildings in Dhaka**.** Feasibility report following DEA for all the buildings with floor area totalling 250,000 sqm including retrofitting design and cost estimates for buildings eligible for retrofitting works have been submitted and under review process.

Non-accomplishments

However, RAJUK's performance in the last three quarters of the fiscal year was slowed down as another 24 milestones or deliverables were not completed in the quarter, most of those continued to be "due, but on-going" as stated above. These pending deliverables include important milestones, such as DEA (MD-6 & MD-7) along with related intermediate deliverables D-10, D-11, D-12, D-13, D-14, D-16, D-17 and D-18. These delays were caused mainly by the COVID 19 outbreaks.

3-month forecast:

As twenty-four (24) milestones are still "due, but on-going," and "due, but no progress," those are expected to be completed this quarter (4th Q of FY 2021-22).

❖ Sub-Component B-2: Risk-Sensitive Land-Use Planning (RSLUP) System

There are a total of 47 milestones that are being tracked under Sub-component B-2, 11 of which were applicable in the last reporting cycle (3rd quarter FY2020-21). Among them, one (1) task was "Competed late," and other ten (10) were "Due, but on-going," which are targeted to be completed by June 30, 2022.

Table 2.8: Status of Sub-component B-2 (RAJUK): Risk-Sensitive Land-Use Planning (RSLUP) System

Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 months projection	Total
0	1	0	10	0	0	11

Source: Milestone Status Reports/Data Collection Forms for 16thQuarter of 3rd quarter of FY 2021-22.

- **Completed late (1):**

1. Obtain shear wave velocity profile from the indirect tests such as MASW, SASW, seismic refraction, reflection etc. so that the test results from the direct and indirect geophysical tests can be compared at the selective grid points. (Seismic Cone Penetration Test-GD-5)**.**

- **Due, but on-going: (10):**

1. Incorporation of the Strategic Environmental Assessment (SEA) in the Risk-sensitive land-use planning (RSLUP) process; the **due date was December 20, 2020** – currently, **15 months late.**
2. Develop a plan for urban expansion and commensurate land servicing with adequate infrastructure (D-05); **the original due date was August 30, 2021**–currently, **7 months late.**

3. Deploy the conditions for the provision of adequate, affordable housing as an alternative to integrated, locally managed urban development and housing programmes with national support mechanisms (D-06); **the original due date was July 30, 2021**–currently, **8 months late.**
4. Undertake consultation and validation process by PWG and POC and relevant scientists and experts on the Draft Dhaka Regional and Urban Resilience Strategy (D-07); **the original due date was September 30, 2021**–currently, **6 months late.**
5. Development of How-to guides with step-by-step approach and ample illustrations and examples aimed at helping/guiding planners in other cities and pourashavas to understand and strengthen the earthquake risk sensitivity of their physical development plans (D-08.1); **the original due date was May 31, 2021**–currently, **10 months late.**
6. Develop outreach material composed of illustrative maps, brochures and exhibits for examples of risk-sensitive land use management approaches in Dhaka stressing the socio-economic and cultural benefits (D-08.2); **the original due date was August 10, 2021**–currently, **7 months late.**
7. Elaboration and Test of Operational Recommendation. Prepare Action-oriented guidelines and tools focusing on priority areas such as risk sensitive urban planning, design, infrastructure, housing, employment generation, governance and finance (D-09.1); **the original due date was October 15, 2021**–currently, **5 months late.**
8. RSLUP training and conducting training of trainers (ToT) activities (D-09.2); **the original due date was September 20, 2021**–currently, **6 months late.**
9. Complete a RSLUP Guidebook as an update to the RSLUP Guidebook produced by Bangladesh Earthquake Urban Resilience Project (D-10); **the original due date was December 15, 2021**–currently, **4 months late.**
10. Final Consultancy Report addressing full documentation (MD-05); **the original due date was January 10, 2021**–currently, **2 months late.**

Main accomplishments

Under **Sub-component B-2,** NKY conducted several field tests to prepare Geotechnical Study before this quarter. These included: (1) Standard Penetration Tests (SPT) (GD-2); (2) Cone Penetration Test (CPT) (GD-3) (3) Seismic Downhole Test (SDHT) (GD-4). Subsequently, the consulting firm completed Seismic Cone Penetration Tests (SCPT) (GD-5), which has been done all 400 points. Following the completion of all main geotechnical studies and the submission of the draft Greater Dhaka Risk Sensitive Land Use Strategy, the NKY consulting firm has conducted a validation meeting on December 1, 2021 at RAJUK-PIU. Rest of the validation meetings were conducted in April 2022.

PIU-RAJUK officials visited the site on the occasion of SCPT completion (January 4, 2022)

Non-accomplishments:

One of the most important 'non-accomplishments' under B-2 in the last quarter was the Analysis Report of the geotechnical and geological studies conducted with recommendations. So far, the consulting firm completed all of its fieldwork.

The fact that another 10 milestones or deliverables were not reached in the quarter hampered RAJUK's performance in the third quarter, with the majority of them being "Due, but on-going". These pending deliverables include important milestones, such as intermediate deliverables D-5, D-6, D-7, D-8.1, D-8.2, D-9.1, D-9.2, D-10 and main deliverable "Final Consultancy Report addressing full documentation (MD-05)".

3-month forecast:

As ten (10) milestones are still "Due, but on-going", those ten (10) milestones are programmed to be completed this quarter (4th Q FY2021-2022).

2.3 Component C: Improved Construction, Urban Planning and Development

RAJUK is the implementing agency for the four (4) sub-components under Component C of the URP plus the construction of the new building for its Urban Resilience Unit (URU). These sub-components include the:

- ✓ Creation and operationalization of the Urban Resilience Unit (URU) in RAJUK (C1);
- ✓ Establishment of an electronic construction permitting (e-permitting) system (C2);
- ✓ A professional accreditation program for engineers, architects, and planners (C3);
- ✓ Improved building code enforcement within RAJUK 's jurisdiction (C4); and
- ✓ Design and construction of a new building to house the URU's staff and operations.

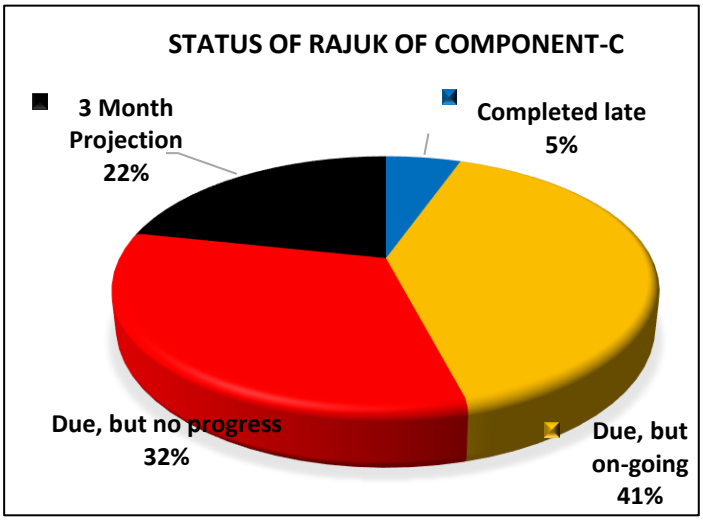


Table 2.9: Summary Table of Milestone Totals for Component C plus URU building

Component Name	Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month Projection	Sub-total
C1	0	0	0	2	0	0	2
C2	0	0	0	1	1	0	2
C3	0	1	0	3	4	2	10
C4	0	0	0	3	5	1	9
URU	0	1	0	6	2	5	14
Total	0	2	0	15	12	8	37

Source: Milestone Status Reports/Data Collection Forms for 16thQuarter of 3rd quarter of FY 2021-22.

❖ Sub-Component C-1: Create & Operationalize of Urban Resilience Unit (URU)

Under this sub-component, the M&E team is tracking 28 milestones, of which, 2 were active in the last quarter (3rd quarter FY2020-21). This two (2) were "Due, but on-going," and are targeted to be completed by June 30 2022.

Table 2.9.1: Status of Sub-component C-1 (RAJUK): Create and Operationalize an Urban Resilience Unit (URU).

Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3-month projection	Total
0	0	0	2	0	0	2

Source: Milestone Status Reports/Data Collection Forms for 16thQuarter of 3rd quarter of FY 2021-22.

Due, but on-going: (2)

1. Submittal of formal proposal of URU to the ministry of Housing and Public Works (MoHPW); the **due date was January 1, 2022** –currently, 3 **months late.**
2. Approval of the proposal of URU by the ministry (MoHPW); the **due date was March 1, 2022** –currently, 1 **month late.**

Major Accomplishments and Non-accomplishments

Under Sub-component C-1, no major task accomplishment was found in the last quarter. In the last quarter, to make the Urban Resilience Unit - (URU) operational, the PIU is working on sorting and verification all of the documentation and policies which will be required to formulate and obtain ministry approval. Besides, PIU maintain a regular communication with the Ministry of Housing and Public Works (MoHPW) in order to persuade the formal proposal of URU. The consultants have completed all the tasks *(Situation Analysis and Feasibility Report, Institutional Design and Organizational Study-IDOS (Institutional Design and Organizational Study) Report, Community Outreach Campaign Report, URU Training Materials and Documentation, Capacity Building Program Report and URU Staff Training Report, Monitoring and Evaluation Report as well as Final Report)* they are supposed to do. On last December 2021, a meeting was held under the chair of the Minister of Housing and Public Works to review the progress of the Urban Resilience Project - RAJUK part. It was appeared that no significant progress or concrete decisions were made as an outcome towards the institutionalization pathway.

3-month forecast:

As two (2) milestones are still "Due, but on-going", those two (2) milestones are programmed to be completed this quarter (4th Q FY2021-2022).

❖ Sub-Component C-2: Establish an Electronic Construction Permitting System

Under this sub-component, the M&E team is tracking 25 milestones, of which two (2) were active during the last reporting quarter and are targeted to be completed by June 30, 2022.

Table 2.9.2: Status of Sub-component C-2 (RAJUK): Establish a Construction Electronic Permitting (e-permitting) System

Completed On time	Completed late	On-going	Due, but on-going	Due, but no progress	3-month projection	Sub-total
0	0	0	1	1	0	2

Source: Milestone Status Reports/Data Collection Forms for 16thQuarter of 3rd quarter of FY 2021-22.

➢ **Due, but on-going: (1)**

1. Finalization of Payment gateway for ECPS; the **due date was January 10, 2022** – currently, 3 **months late.**

➢ **Due, but no progress: (1)**

1. Start piloting of ECPS; the **due date was March 10, 2022** –currently, 1 **month late.**

Major Accomplishments and Non-accomplishments

Under **Sub-component C-2,** in the 3rd quarter, PIU-RAJUK was involved in consultation with the legal department of RAJUK for finalizing the payment gateway of ECPS. Since the launching of the Electronic Construction Permitting System (ECPS) has been formally announced, piloting of the system is expected to begin after payment gateway settlement but it was not happened.

3-month Forecast:

Two (2) milestones are still due and those two (2) milestones are programmed to be completed this quarter (4th Q FY2021-2022). The consulting firm will provide the Operation and Maintenance support for two consecutive years and they will prepare to submit an Operation and Maintenance Report after the maintenance period.

❖ Sub-Component C-3: Professional Accreditation Program

Under this sub-component, the M&E team is tracking 24 milestones; of which 10 were active during the last reporting quarter (3rd quarter FY2020-21). Of those 10, one (1) milestone was "completed late," three (3) were "Due, but on-going," four (4) were "Due, but [had made] no-progress," and the rest two (2) are expected to be completed by this quarter (4th Q of FY 2021-2022) June 30, 2022.

Table 2.9.3: Status of Component C-3: Professional Accreditation Program

Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3-month projection	Sub-total
0	1	0	3	4	2	10

Source: Milestone Status Reports/Data Collection Forms for 16th Quarter of 3rd quarter of FY 2021-22.

➢ **Completed late (1):**

1. Conduct 48 training sessions of Structural Engineer – (Seng) Training Program as a part of Professional Accreditation Program Strengthening Component of the Urban Resilience Project (URP).

➢ **Due, but on-going (3):**

1. Submittal Concept Note Report (MD-3); the due date was July 31, 2021 –currently, **8 months late.**
2. Review and Revise Concept Note Report (MD-3); the due date was August 31, 2021 –currently, **7 months late.**
3. Approval of Concept Note Report (MD-3); the due date was September 30, 2021 – currently, **6 months late.**

➢ **Due, but no-progress (4):**

1. Submittal Professional Accreditation Program (PAP) Design Report (MD-4); the due date was October 31, 2021 –currently**, 5 months late**.

2. Review and revise Professional Accreditation Program (PAP) Design Report (MD-4); the due date was November 30, 2021 –currently**, 4 months late**.
3. Approval of Professional Accreditation Program (PAP) Design Report (MD-4); the due date was December 31, 2021–currently**, 3 months late**.
4. Submission of Pilot Testing Design Report and online PAP Portal (MD-5); the due date was March 31, 2022.

Main Accomplishments or Non-accomplishments

Under **Sub-component C-3**, the consulting firm International Code Council – (ICC) conducted 48 training sessions of Structural Engineer – (SEng) Training Program as a part of Professional Accreditation Program Strengthening Component of the Urban Resilience Program (URP). The courses were presented over the WebEx platform and were managed through a web portal named "*PRP-Portal*" (https://prp-portal.org). The PRP-Portal provides a one-stop platform for administering the SEng training program and the SEng exam application process. A total of 2,942 individuals registered on the portal. Of which, 1,100 individuals have attended each session. However, 900 registrants attended at least 30 out 48 SEng sessions and 5 out of 8 seismic sessions which are the qualifying criteria for SEng exam. *Annex-7* shows the number of attendees at each webinar.

The consultant is now working on preparation of Concept Note Report (MD-3) which is programmed to be submitted by April 2022.

3-month Forecast:

As seven (7) milestones are still due, those are expected to be completed this quarter (4th Q of FY 2021-2022). In addition, following two (2) more milestones need to be completed by June 30 2022.

1. Reviewed and revised Pilot Testing Design Report and online PAP Portal (MD-5).
2. Approved Pilot Testing Design Report and online PAP Portal (MD-5).

❖ Sub-Component C-4: Improved Enforcement of Building Code

Under this sub-component, the M&E team is tracking 25 milestones, of which nine (9) were active during the last reporting cycle (3rd Q of FY 2021-2022). Among these, three (3) are "Due, but on-going," five (5) were "Due, but [had made] no-progress," and rest of the one (1) milestone is expected to be completed by June 30, 2022.

Table 2.9.4: Status of Sub-component C4: Improved Enforcement of Building Code

Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3-month projection	Sub-total
0	0	0	3	5	1	9

Source: Milestone Status Reports/Data Collection Forms for 16thQuarter of 3rd quarter of FY 2021-22.

➢ **Due, but on-going (3):**

1. Submission of Education and Outreach Campaign Report; due date for completion is July 30, 2021 –currently, **8 months late.**
2. Review and Revision of Education and Outreach Campaign Report; due date for completion is August 30, 2021 –currently, **7 months late.**

3. Approval of Education and Outreach Campaign Report; due date for completion is September 30, 2021 –currently, **6 months late.**

➢ **Due, but no progress (5):**

1. Submitted Monitoring and Evaluation Report; due date for completion is December 30, 2021; –currently, 3 **months late.**
2. Reviewed and Revised Monitoring and Evaluation Report; due date for completion is January 30, 2022 –currently, 2 **months late.**
3. Approved Monitoring and Evaluation Report; due date for completion is February 28, 2022 –currently, 1 **month late.**
4. Submitted Annual Program Evaluation Report – last year and fulfilment of all other contractual obligations by consultant; due date for completion is February 28, 2022 –currently, 2 **months late.**
5. Reviewed and Revised Annual Program Evaluation Report – last year and fulfilment of all other contractual obligations by consultant; due date for completion is March 31, 2022**.**

Main Accomplishments and Non-accomplishments

Under **Sub-component C-4**, main achievements were Education and Outreach Campaign like-message dissemination through religious institutes, NGO training programme, message Building Owner Association, training for Bangladesh Scouts and Bangladesh Girls Guide; and BNBC Implementation and Enforcement Sensitization Meeting at Gazipur and Narayangang City corporations. Public awareness with emphasis on earthquake resistance and education and outreach campaign program (TV Commercial, TV talk show, FGD at mosque and temple, Mock Drill with regard to earthquake and fire safety) were found on-going activities. Earlier there were several professional training programs conducted under this package those have been attached as *Annex-8*

The consultant is now working on preparation of Education and Outreach Campaign Report which is programmed to be submitted by April 2022.

Message dissemination through NGO training programme on DiDRR held at *CDD training centre at Savar* on 13 to 15 January 2022

Message dissemination through Building Owner Association held at *Agrani Kallan Somity, Mirpur-12* on January 15, 2022

Training for Bangladesh scouts and Bangladesh Girls Guide on implementing BNBC 2020 focusing fire & seismic hazard held at *Conference Room, PIU Office* on January 18, 2022.

BNBC Implementation and Enforcement Sensitization Meeting held at *Gazipur City Corporation* on January 16, 2022.

Leaflet distribution on awareness message of BNBC held at *Central Veterinary Hospital Jame Mosque, Bangabazar* on January 14, 2022

Message Dissemination and Leaflet Distribution held at *Sirajum Munira Jame Mosque, Chok mogoltuli* on January 1, 2022.

3-month Forecast:

Eight (8) milestones are still due, those are expected to be completed this quarter (4th Q of FY 2021-2022). In addition, following one (1) more milestone need to be completed by June 30 2022.

1. Approved Annual Program Evaluation Report – last year and fulfilment of all other contractual obligations by consultant.

❖ URU Building: Design and Supervision of Construction

This set of milestones although not applicable to any specific sub-component under Component C, but rather is applicable across all six sub-components of Components B and C under RAJUK's responsibility. Therefore, the M&E team is tracking it as a separate 'line item' as it has distinct consulting firms and contractors working on it. It will involve a large number of activities and deliverables for the team to monitor and report on over the duration of the URP.

Under this 'activity,' the M&E team is tracking 107 milestones, among which 14 were active during this reporting quarter (3rd Q of FY 2021-2022). Out of those 14, one (1) was

"Completed late," six (6) were "Due, but on-going," two (2) were "Due, but [had made] no progress," and the remaining five (5) are expected to be completed by June 30, 2022.

Table 2.10: Status of Milestones to Design and Construct the URU Building

Completed On time	Completed late	On-going	Due, but on-going	Due, but no progress	3-month Projection	Sub-total
0	1	0	6	2	5	14

Source: Milestone Status Reports/Data Collection Forms for 16thQuarter of 3rd quarter of FY 2021-22.

- **Completed late (1):**
  1. Columns, retaining wall, floor, ramp, & lift core casting completed in B2 level (W-1)**.**

- **Due, but on-going: (6):**
  1. Columns, retaining wall, top floor, ramp, and lift core casting completed in B1 level (W-1); the due date for completion was August 10, 2021. –currently, **7 months late.**
  2. Erection of Steel frame for G-9F done (W-1); the due date for completion was December 8, 2021. –currently, 3 **months late.**
  3. Casting concrete of lift core and floor; the due date for completion was December 15, 2021. –currently, 3 **months late.**
  4. Secondary structure such as wall, plaster etc done; the due date for completion was January 9, 2022. –currently, 3 **months late.**
  5. Floor/false ceiling/external wall etc completed; the due date for completion was February 23, 2022. –currently, 1 **month late.**
  6. Generator/substation/lift/ and other MEP work done; the due date for completion was March 23, 2022.

- **Due, but no progress (2):**
  1. Installation, training and closing of Seismic Lab Equipment for URU (G-12); the due date for completion was May 15, 2020. –currently, **22 months late.**
  2. Installation, Training and Closing of CPT equipment for Exploration of RSLUP profiles on a 200 kN Truck (G-17); the due date was January 9, 2021. –currently, **14 months late.**

Major Accomplishments and Non-accomplishments

Among the most important milestones or deliverables completed during the 3rd quarter by RAJUK to construct the URU building were: (1) Completion of Rebar fixing with concrete casting for retaining wall, column, beam, roof, ramp, and lift core of Basement-2 (B2). (2) Completion of Rebar fixing with concrete casting for retaining wall, column, ramp, and lift core of Basement-1 (B1). Other major on-going works are the centering and shuttering for the beam and roof of Basement -1 (B1). Due to the global Covid-19 virus pandemic, the installation and training to use seismic lab equipment in the URU building (under G-12) and 200 KN Truck Mounted CPT Equipment for RSLUP (G-17) are delayed.

Centering and shuttering work in on-going for the beam and roof of Basement -1 (B1)

3-month Forecast:

As six (6) milestone are "due, but still on-going," and two (2) are "Due, but [had made] no progress," those eight (8) milestones are expected to be completed this quarter (4th Q of FY 2021-2022). In addition, following three (5) more milestones need to be completed by June 30, 2022. Which are secondary structures such as wall, plaster; Floor/false ceiling/external wall and Generator/substation/lift/ and other MEP work for URU building (W-1).

2.4 Component D: Project Coordination, Monitoring and Evaluation

The Project Coordination and Monitoring Unit (PCMU) has primary responsibility for the following objectives to:

- Coordinate, monitor and evaluate the activities of the URP to ensure its effective implementation;
- Develop effective methodologies in coordination with the implementing agencies to effectively implement the project;
- Support and facilitate the project management of sub-projects in procurement and financial management;
- Conduct regular quarterly and annual monitoring reports, as well as a mid-term review and end-of-project evaluation;
- Conduct and manage strategic studies and other pilot projects, as needed; and
- Enhance the capacity of project related officials through local and foreign training and study visits.

There are 70 milestones that the M&E team has been tracking as milestones for PCMU, among which 4 were active this past quarter (3rd Q of FY 2021-2022). Of these, two (2) milestones were "completed on-time," two (2) were "Due, but on-going," while the other three (3) milestones are planned to be completed in the next quarter, as shown below in Table 2.11.

Table 2.11: Quarterly Totals for Component D: Project Coordination, Monitoring and Evaluation

Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month projection	Total
1	0	1	2	0	4	8

Source: Milestone Status Reports/Data Collection Forms for 16th Quarter of 3rd quarter of FY 2021-22.

- **Completed on-time (1):**
  1. Preparation and submission of the 15th Quarterly Progress Report (QPR). -31st of January 2022

- **On-going: (1)**
  1. Restructure of the Project Steering Committee

- **Due, but on-going: (2)**
  1. DPP Revision and 18-month time extension of PCMU part.
  2. Contract extension for M&E firm and Internal Audit firm.

Accomplishments and Non-accomplishments

As a continuous process the M&E team submitted its 15th Quarterly Progress Report (QPR) on January 31, 2022 covering the period from October 1, 2021 to December 31, 2021.

The necessity to reform the Steering committee was discussed in the 16th PSC meeting and it was decided that since the DPP is in the revision process, the formation of the Steering Committee will be revised. The Member Secretary took necessary steps in this regard. The committee is formulated which will be approved when the DPP revision is done.

It was earlier stated that the activities of the Urban Resilience Project have been badly hampered due to Covid-19 pandemic. Given the implementation status World Bank reviewed the whole project and suggested for an 18-month extension, to complete all pending activities. The 18-month extension moves the project closing date from April 30, 2022 to October 30, 2023. In line with the extension, PCMU has revised its DPP and submitted for approval to continue its coordination role and provide the Monitoring & Evaluation services for the URP. As of preparation of this report the DPP is in the approval process. One Project Evaluation Committee (PEC) meeting was organised on February 14, 2022 to review the DPP of the PCMU.

3-month Projection (4)

As the above two (2) milestones are “due, but still on-going,” those are expected to be completed this quarter (4th Quarter of FY 2021-2022). In addition, following four (3) more milestones need to be completed by June 30, 2022.

1. Conduction of the Technical Committee Meeting (done- April 18, 2022)
2. Conduction of the 17th PSC Meeting
3. Review and approval of the 15th Quarterly Progress Report
4. Submission of 16th Quarterly Progress Report

2.5 Implementation of Environmental and Social Safeguard Standards

This section of the 16th QPR involves the M&E team's monitoring of the World Bank's three (3) applicable Environmental and Social Safeguard Standards (ESS-1, ESS-2 & ESS-4) and the Environmental and Social Health and Safety (ESHS) standards covering the reporting period from January 1st until March 31st, 2022. It provides the results of our monitoring activities of the construction work of RAJUK's URU building and DNCC's Greenfield towers. Construction of the URU building started in October of 2020 while 18 Greenfield towers by DNCC started last September 2021.

Within the project's framework of environmental management, the M&E team's role consists of maintaining the on-going, regular environmental monitoring of physical construction works by RAJUK and DNCC to ensure that their implementation is being carried out in compliance with the Bank's safeguards (ESS) standards and Environmental Health and Safety (EHS) General Guidelines throughout the construction process. RAJUK and DNCC as the respective implementing agencies for the URU building and Greenfield towers are responsible for ensuring that construction is carried out at *all times* in compliance with *all* of the Bank's applicable safeguard policies and EHS Guidelines.

The M&E team generates quarterly reports based on agency-specific site observations, on-site monitoring data, and laboratory analytical reports. URU construction laboratory analytical reports prepared by an independent laboratory, EQMS Consulting Limited, are being assessed in this regard.

During the past monitoring and reporting periods, the M&E team monitoring these construction operations noted a number of environmental, health, and safety hazards which have been instructed also to be addressed and monitored. This needs to be mentioned here that, initiatives of URU in site security, occupational health, and safety (OHS), safe traffic management, and solid waste disposal system had an improvement over the last two-three quarters. However, there are still few instances of non-compliance with World Bank's Safety Standards and EHS Guidelines.

2.5.1 Monitoring of Safeguard Compliance at URU Building Site

This Quarterly Environmental Progress report covers the period January to March (3rd QPR, FY 2021-2022) has been prepared to provide an assessment of the compliance of construction activities of URU-RAJUK, Greenfield Towers of DNCC, FSCD and other IAs activities with National Legislation (Department of Environmental Environment, Bangladesh) and international lending requirements (World Bank Group-WBG). It has been realized the compliance with the WBG which sets out policy principles and outlines the delivery process for safeguarded policy in relation to environmental and social safeguards management.

The safeguard issues covered during this period are empirical site inspection, visual subjective monitoring efforts, including photographic verification, encompass maintaining site security and safe traffic management, site drainage, solid and hazardous waste generation, transportation, and disposal, providing safety orientation and training for workers as well as personal protective equipment, sanitation facilities and safe drinking water for workers, and reporting any incidents or accidents of workers. Finally, we looked to see if there was any grievance redress mechanism or committee (GRM/GRC) in place to address citizen comments and complaints that were received due to construction activities at the site. In general, the World Bank environmental policies and guidelines aims to promote sustainability of project outcomes by protecting the environment and people from projects' (URU, Greenfield Towers and other IA projects) potential

adverse impacts by avoiding adverse impacts of projects on the environment and affected people, where possible; minimizing, eliminating, mitigating, and/or compensating for adverse project impacts on the environment and affected people when avoidance is not possible; and helping borrowers/clients to strengthen their safeguard systems and develop the capacity to manage environmental and social risks.

As per the bid contract, the Contractor China State Construction Engineering Corporation Ltd (CSCEC) has to prepare and submit the monthly EHS Monitoring Report for URU-RAJUK in monthly basis to submit to Client (RAJUK, financing authority- World Bank, and M&E-URP). They have to follow Environmental Management Plan of EIA during construction and operation phase, also the *Federation Internationale des Ingenieurs Conseils* (FIDIC) Clause 4.18 (environmental protection) and maintain the national policy and guidelines (DOE).

To verify the alignment of URU-RAJUK project construction activities with the Contractor's Site-Specific Environmental Management Plan (SSEMP), different environmental parameters are monitored as a statutory and regulatory requirement of contract and law enforcement agency like, Department of Environment (DoE), Bangladesh etc. Therefore, EQMS Environment Consultants Ltd. was engaged as third party to monitor environmental condition on behalf of CSCEC. During this current monitoring period, a number of environmental and safety issues were observed by the M&E-URP monitoring team. Considering World Bank ESS, the M&E team carried out two types of monitoring which are, visual monitoring and analytical monitoring.

Findings for Third (3rd) Quarter of Fiscal Year 2021-2022

During this past monitoring/reporting period (3rd quarter of FY 2021-22), the URP's M&E team observed a number of *continuing environmental and safety issues of non-compliance* with respect to the construction of the URU building under all three of the World Bank's applicable environmental and social safeguard standards (i.e., ESS-1, ESS-2, and ESS-4). They are enumerated below.

❖ ESS-1 (Environmental and Social Assessment) and EHS Guidelines

First, under **ESS-1** (Environmental and Social Assessment), as well as the World Bank's Environmental, Health, and Safety (EHS) Guidelines, there are eight categories of potential hazards described in those guidelines, listed here in order from greatest concern to least. They are:

Hazardous Materials and Waste Management: no information has been collected by the site contractor on the transport, handling, storage, use, or disposal of hazardous materials at the site. This is clearly a *violation* of all three of the World Bank's applicable safeguard policies as it presents serious risks to the environment, workers, and nearby communities. These chemicals can have a multitude of known short-term effects, such as dizziness, nausea, and/or vomiting, as well as longer-term, sometimes unnoticed negative effects on workers who are exposed to them at lower concentrations (dosages) over longer periods of time (chronic exposures). In these cases, there are a number of mitigation measures that can be employed that are mentioned in the EHS Guidelines, including:

- Use of proper PPE, such as masks, gloves, rubber boots, and proper work clothing.
- Proper handling, use, storage, and disposal procedures of such chemicals to reduce exposures.
- Sufficient air ventilation in more 'open spaces' with the use of fans to disperse high concentrations of vapors or fumes away from workers or other persons nearby.

The lack of information about the overall management of such materials and wastes is considered to be a **major area of concern** to the M&E team, and **corrective actions** should be taken immediately by RAJUK and its contractors to address this unaddressed risk to public health and safety as well as to workers and the environment.

Air Emissions and Ambient Air Quality: laboratory analysis by an independent local company (EQMS) showed that contamination levels measured at the URU building site for particulate material of 10 micrograms per cubic meter (µg/m^3) were almost double (2X) the threshold for "*unhealthy*" ambient air over a 24-hour period (94.3 vs. 50 µg/m^3), and for $PM_{2.5}$ µg/m^3 (49.6 vs. 25 µg/m^3) in the last reporting period. These are abbreviated as PM_{10} and $PM_{2.5}$, and are shown in **Table 2.5.1** below.

These are only two of the newly revised public health thresholds for the six priority air pollutants classified by the World Health Organization's Global Air Quality Guidelines (the others being nitrogen dioxide (NO_2), sulfur dioxide (SO_2), carbon monoxide (CO), and ozone (O^3)). However, they are the two air pollutants of greatest concern and relevance to construction activities, such as the URU building site. Therefore, they are an acceptable surrogate for determining the URU building site's compliance with World Bank ambient air health standards, as stated in the EHS Guidelines.

$PM_{2.5}$ are the ultrafine particles that are generated by many common construction activities, such as those being conducted at the URU building site. These ultrafine particles lodge deeply in people's lungs causing a variety of serious health effects. That said, it is nearly impossible to differentiate between Dhaka's already unhealthy "background" levels of ambient air pollution and site-specific air pollution caused by the URU building's construction activities. Thus, the only thing that can be reliably stated here is that construction activities at the URU work site are undoubtedly contributing to already unhealthy ambient air quality in Dhaka, especially with workers not equipped with proper personal protection equipment (PPE), such as KN95 masks, but to what degree is unknown.

Table 2.5.1: Ambient Air Quality Monitoring Results (24-hour limits)

Period	Date	Concentration (µg/m^3)	
		PM_{10}	$PM_{2.5}$
Quarterly (Jan- Mar 2022)	28.03.2022	94.3	49.6
Quarterly (Oct-Dec 2021)	23.12.2021	87.5	46.2
Quarterly (Jul-Sept 2021)	26.09.2021	78.4	53.8
Quarterly (Mar-Jun 2021)	23.06.2021	67.2	42.8
*Baseline	29.11.2020	56.3	22.4
**ECR, 1997 and Amendment in 2005 Standard (Schedule-2)		150	65
***WB Standard		50	25

(Source: EQMS, March 2022)

There are a number of simple, inexpensive, and commonly used mitigation measures that can be taken to reduce the main sources of air contaminants at the URU site, such as spraying water regularly to control cement and concrete dust or dust kicked up by the tires of delivery trucks from being inhaled by workers or other people passing nearby the site. In addition to these smaller sources of "fugitive" air emissions there are no mitigation measures, such as maintaining water spray guns on the aggregate stone crusher at the site, being taken to reduce this major source of dust from being inhaled by workers and nearby residents and people passing nearby. Many of

these mitigation measures are provided or referenced in the World Bank's EHS Guidelines, easily available on-line at:
https://www.ifc.org/wps/wcm/connect/topics_ext_content/ifc_external_corporate_site/sustainability-at-ifc/policies-standards/ehs-guidelines.

Other Issues pertinent to ESS-1: additionally, the URP's M&E team found that **site access** was being maintained adequately, and that anyone entering the site had their name recorded and their temperature measured at the entrance to the work site. However, as far as maintaining **safe traffic conditions** for vehicles, workers, and vehicle passengers and pedestrians was concerned, we could not verify whether proper traffic management controls were being implemented in terms of the timing or volume of deliveries of construction supplies and materials to the work site, or the disposal of wastes from it. There are no protocols or procedures in place for that purpose. Nor are there any records kept of traffic incidents or accidents that may have occurred as a result of construction activities at the site. All of these requirements are contained in ESS-1 with detailed guidance provided in the EHS Guidelines (sections 3.4, 3.5, and 4). Therefore, we have concluded that due to the absence of necessary protocols or documentation, the URU building site is in **non-compliance** with ESS-1 in terms of maintaining adequate traffic and delivery controls.

Therefore, what is needed are simple, inexpensive, and commonly used mitigation measures to suppress dust and noise generated by deliveries of supplies and materials. Numerous examples and suggestions are provided in the World Bank's EHS Guidelines as well as in many other publications readily and freely available on-line, or from the Bank's project team or local environmental specialist stationed in the Bank's Dhaka office.

Noise: throughout the URU building construction process, ambient noise levels at the project site have been measured regularly by the contractor using a single noise data recorder sound level meter (SLM25K). The decibel meter has been mounted on a pole at the site. Monitoring locations fall under the designation of "Residential, Mixed and Residential" zones where noise from construction activities is allowed at higher decibel levels. Measured noise levels have been measured and compared to Bangladesh's Environmental Conservation Rules (ECR), Schedule 4 (1997) and the 2006 Noise Pollution Control Rules.

Table 2.5.2: Noise Level Monitoring Results and Analysis

Location	Month	LAeq Day	LAeq Night	L_{max}	L_{mim}	Bangladesh Standard (dBA)		World Bank Standard (dBA)	
						Day (dB) A		Night (dB) A	
NL1 Project Area	March 2022	58.7	41.1	78.4	40.4	60	50	55	45
	February 2022	57.0	40.4	68.1	39.7				
	January 2022	59.9	48.5	83.9	43.3				
	December 2021	59.3	51.9	84.4	48.3				
	November 2021	57.2	45.1	72.1	40.1				
	October 2021	55.1	45.7	67.4	39.7				
	September 2021	56.2	45.8	74.3	40.6				
	August 2021	54.6	44.1	71.6	40.2				
	July 2021	54.9	44.3	73.8	38.5				
	June 2021	59.2	46.9	77.1	39.8				
	May 2021	57.2	46.1	82.5	41.3				
	April 2021	59.8	46.2	78.3	41.6				
	March 2021	59.8	46.2	78.3	41.6				
	Feb 2021	58.6	48.3	74.8	42.9				

Location	Month	LAeq Day	LAeq Night	L_{max}	L_{mim}	Bangladesh Standard (dBA)		World Bank Standard (dBA)	
						Day (dB) A		Night (dB) A	
	Baseline	52.5	42.5	62.9	38.6				
NL2 In Front of B4, BSTI	March 2022	54.8	**39.3**	66.4	**38.8**	55	45	55	45
	February 2022	52.8	**38.6**	64.2	36.5				
	January 2022	54.8	41.6	68.1	**39.7**				
	December 2021	52.5	50.7	66.9	44.4				
	November 2021	54.5	42.8	68.3	39.4				
	October 2021	53.8	43.4	69.8	39.5				
	September 2021	53.S	41.9	67.4	40.1				
	August 2021	53.1	42.6	66.1	39.8				
	July 2021	53.6	41.8	67.4	39.1				
	June 2021	51.5	40.8	65.6	38.1				
	May 2021	52.9	40.9	69.8	40.5				
	April 2021	54.1	42.8	67.5	40.2				
	March 2021	54.1	42.8	67.5	40.2				
	Feb 2021	54.8	41.4	68.2	38.5				
	Baseline	54.7	43.8	66.4	40.2				
NL3 In front of Main gate RAJUK	March 2022	60.5	42.9	71.8	41.2	70	60	70	70
	February 2022	59.2	43.7	73.4	40.3				
	January 2022	65.9	52.8	78.5	46.8				
	December 2021	57.8	50.5	84.1	50.9				
	November 2021	58.9	45.6	78.2	41.9				
	October 2021	62.7	50.9	72.5	44.6				
	September 2021	61.8	51.4	78.9	48.5				
	August 2021	63.9	50.5	82.3	44.3				
	July 2021	61.5	52.1	79.4	41.2				
	June 2021	62.5	53.7	81.3	42.5				
	May 2021	68.5	54.8	79.3	47.t				
	April 2021	68.5	56.1	76.8	45.4				
	March 2021	68.5	56.1	76.8	45.4				
	Feb 2021	66.1	54.6	79.5	44.9				
	Baseline	66.6	46.6	79.5	40.8				

Standard (ECR 1997) & Noise Pollution (Control) Rules 2006		
Silent area	50	40
Residential area	55	45
Mixed area	60	50
Commercial Area	70	60
Industrial area	75	70
World Bank/ IFC Standard		
Residential; Institutional; Educational	55	45
Industrial	70	70

Source: Noise level monitoring done by EQMS Consulting Limited (March 2022)

Both daytime and night-time noise levels at monitoring locations (residential, mixed, commercial & silent zones) did not exceed the “Sound Pollution Control Rules-2006” standard throughout

this monitoring period. It's possible that construction work in these regions contributed to the elevated noise level. The noise level at monitoring locations have been complied with the standard limit set by the "Sound Pollution Control Rules-2006", MoEF, GoB.

Waste Management: a *considerable* amount of ***construction debris*** *and wastage* creates pressure on the site and raises ***environmental*** concerns. No information was provided by the site contractor or collected by the M&E team in the last reporting period regarding how wastes from the site are being handled.

Thus, this is another example of a safeguard issue for which there is effectively no attention or effort being made to manage properly by RAJUK or its contractor. At this time, it remains a completely unknown issue that should be addressed immediately by RAJUK.

Wastewater and Ambient Water Quality: this issue was of major concern during the monsoon season as the basement levels were being excavated and then constructed. Captured rainwater was pumped out of the unfinished basements and flushed out into nearby streets in violation of the Bank's safeguard provisions, but no corrective action was ever taken to stop this activity at that time. Such 'run-off' water was very likely heavily laden with silt (increasing turbidity) with all sorts of leaked or spilled fluids, fuels, and other liquid wastes present on the site. Photographs provided clear evidence of this at the time. However, during this last reporting period, there was no mention made of it in the monitoring reports kept by the contractor at the site, or by the M&E team. Thus, there is nothing new to add here in this quarterly progress update.

Contaminated Land: while no data was collected with respect to contamination of soils on-site, it is undoubtedly the case that such contamination has occurred due to sloppy control of chemicals and liquid materials/wastes at the site throughout the construction process. However, no information exists on the type or amount of such contamination due to inadequate controls and monitoring protocols having been established or followed.

Energy Conservation: this section of the EHS Guidelines is not of great concern to the M&E team's monitoring activities as it is not considered to be a risk to people and the environment given the limited scale and scope of the URU building's construction activities. There are, however, a number of mitigation measures that can be taken by RAJUK's contractor to minimize their use of energy that are also easily and freely available in the World Bank's EHS Guidelines (referenced above). These measures should be taken.

Water Conservation: this was also a "non-issue" for the contractor or the M&E team in the last quarterly reporting cycle, and there is no additional information to add to this report.

❖ ESS-2 (Labor and Working Conditions) and EHS Guidelines

Application of ESS-2 promotes the implementation of a **systematic approach** to improving the management of risks and impacts related to labor and working conditions in World Bank projects. Much of ESS-2, however, applies to various aspects of labor rights, such as prohibiting unfair labor practices, and forced or child labor, which are not considered to be issues at the URU building site.

However, a number of relevant measures appear in Section D of ESS-2 under "Occupational Health and Safety" (OHS). These OHS measures are designed and implemented to: (a) identify potential hazards at work sites to project workers, particularly those that may be life-threatening; (b) take preventive and protective measures to protect workers; (c) training of project workers and maintenance of training records; (d) documentation and reporting of occupational accidents, diseases and incidents; (e) emergency prevention and preparedness and response arrangements to emergency situations; and (f) provide remedies such as

treatment and compensation for adverse impacts incurred. Therefore, the EHS Guidelines provide the more relevant guidance on the types of risks encountered by workers at construction sites (among others).

There are nine categories under the EHS Guidelines**,** which include the following: General Facility Design and Operation; Communication and Training; Personal Protective Equipment (PPE); and Physical, Chemical, Biological, and Radiological Hazards. However, the URP M&E team considers several of these to be non-applicable to this report and will not touch upon them. They include "Special Hazard Environments, Monitoring (since that is handled here), and Biological and Radiological Hazards." Again, as above for ESS-1, they are discussed below in descending order of their importance to the URP's specific context and circumstances.

Communication and Training: a number of issues are mentioned under this category in the EHS Guidelines, such as providing on-going training for workers and enforcing the proper use of personal protection equipment and safe work practices by workers, implementing procedures for visitors and orienting them to the site, communicating the presence of hazards with signs or closing off certain areas of the work site, and taking into account extreme or hazardous weather conditions at the site that can pose risks to workers, managers, and/or visitors. Most of these, along with simple, basic mitigation measures, are mentioned under Section 2.2 of the Guidelines.

Both in terms of communicating actual conditions "on the ground" at the URU building work site or in providing adequate on-going training of workers in maintaining safe and healthy working conditions, there continue to be glaring gaps and inadequacies in the **systematic application** of identifying these hazards and taking the appropriate steps to prevent or mitigate them. For example, the lack of having a comprehensive and professional-level E&S monitoring and reporting system managed by RAJUK's construction contractor, as expressed in their monthly E&S reports, means that the URP M&E team as well as senior RAJUK managers and URP decision-makers are not getting the type of credible information they need in order to comply with their legal obligations under the project's contractual agreement. It appears to be more of a "box-checking" paper exercise than being a professional endeavor genuinely trying to provide real-time, reliable, and credible information of working conditions at the URU site.

Personal Protective Equipment (PPE): in addition to other instances of non-compliance mentioned above under ESS-1, the issue of PPE is one in which the basic mitigation measures are most obvious and inexpensive. Some PPE is being provided to workers by the URU building contractor, such as masks and reflective safety vests, but it is insufficient and not coupled with adequate training and enforcement of the proper use and maintenance of appropriate PPE. This situation is fundamentally due to the fact that both the contractor and RAJUK appear to view such issues as distractions and unnecessary costs to their main objective of constructing the building at the lowest cost instead of RAJUK seeing the construction of the URU building as an opportunity to 'set the example' for the entire construction industry in Dhaka. The provision and use of the proper PPE depend on what the hazards are that are present at the work site, the topics of the next two categories of hazards under ESS-2.

Physical Hazards: there are multitude of physical hazards present at any large construction work site, and this is certainly the case at the URU building work site, as evidenced by photographs clearly showing sloppy and unsafe work areas and conditions. Few of these obvious hazards are being adequately managed or addressed by the contractor, but which RAJUK bears the ultimate responsibility for ensuring.

Among these are hazards from moving vehicles or heavy equipment, falls, slips, electrocution from live electrical, inadequate lighting at night or inadequate shading during the day, long-term impacts from excessive levels of noise or vibration, burns from welding or use of "hot cutting" activities,

extreme work temperatures and/or humidity and sudden or severe storms with high winds, etc. All of these hazards should be identified and assessed in terms of their severity and likelihood of occurring and causing injury or death to workers, and appropriate mitigation measures should be taken expeditiously. The M&E team can only monitor and report on these hazards and the lack of adequate steps being taken to mitigate them, but we cannot manage those site conditions or take actions on our own. Instead, we depend on project managers and senior decision-makers to take the appropriate steps to ensure that safe and healthy working conditions are maintained at the site, which is not the case now.

Chemical Hazards: as mentioned above in ESS-1 for "Hazardous Materials and Wastes Management," exposure to hazardous materials and wastes is perhaps the second most serious hazard faced by the URU building contractor and RAJUK managers. Given the lack of information on the transport, handling, storage, use, and disposal of such chemicals, it is **not clear what risks actually exist at the site now.** That is a very risky and dangerous situation to be in, which can be easily and quickly rectified if there are appropriate actions taken by RAJUK to insist that a responsible system be put in place to get a handle on this issue. Section 2.4 of the EHS Guidelines clearly spells out a number of chemical hazards that "represent the potential for illness or injury due to single acute exposures or chronic repetitive exposures to toxic, corrosive, flammable, carcinogenic, sensitizing, reactive, or oxidizing substances." Exposure can be through physical contact, inhalation, and/or ingestion. A number of preventive or mitigating measures are discussed under Section 2.4 of the Guidelines, and RAJUK managers in close coordination with their building contractor should examine those and assess the work site for the presence of any of those hazards, and then take immediate steps to correct them.

General Facility Design and Operation: Finally, we found a number of instances of serious and continuing non-compliance at the work site and in the housing, accommodations provided for workers nearby. In addition to earlier cited violations of proper orientation and training of construction workers, there were **few apparent efforts being made to maintain safe and healthy working and living conditions for workers** aside from a bare minimum of hard hats and reflective safety vests that are provided by the contractor. In terms of "protecting project workers from injury, illness, or impacts associated with exposure to hazards" (under Section 2 of ESS-2 and the EHS Guidelines), there are no records being kept in a log book of worker incidents or accidents, nor are adequate first aid equipment or supplies available on-site to administer immediate first aid attention and initial medical treatment until specialized medical care can be accessed, if warranted by the injury. Nor are there any protocols regarding what to do in an emergency or any kind of memorandum of understanding with a local hospital in case of a serious accident or incident at the site. All these requirements are detailed in the ESS-2 and EHS Guidance Notes as well as in industry-specific Good International Industry Practices (GIIP).

In addition to these instances of ESS-2 non-compliance, RAJUK has not yet established a Grievance Redress Mechanism (**GRM**) to facilitate the function of its Grievance Redress Committee (GRC). This is a requirement under Section C of ESS-2, but continues to be the case in spite of **repeated attempts** by the M&E team to get them to address this **glaring Safeguard infraction**. These requirements continue to be ignored by RAJUK, which has been advised by the M&E team for over three years now of their legal obligation to implement them.

However, M&E team still believes and advises that URU needs to develop a written Grievance Redress Mechanism (GRM) for their own workforce to complete the assignment to maintain standard on the question of its transparency and accountability.

Meanwhile, the Environmental Team of M&E provided a general short note and steps in implementation of GRM to the Environmentalist of the Supervision Consultant (Planners & Engineers) **Table 2.5.3**. Specific purposes of grievance are:

- To ensure that grievances, complaints, and concerns are addressed and resolved in a fair, transparent, and easily accessible manner in order to achieve the goals of restoring or maintaining positive relationships with affected persons and communities.
- To ensure careful documentation and reporting of grievances, complaints and concerns and remedial actions and
- To facilitate timely feedback from local communities about Contractor or Subcontractor performance in order to support the RAJUK-URU project's commitment to continuous improvement.

Table 2.5.3: Steps in Implementation of the GRM

Step	Activities	Months 2022		
		January	February	March
1	Receiving of grievances, complaints, or concerns	N/A	N/A	N/A
2	Recording of the grievances, complaints, or concerns	N/A	N/A	N/A
3	Filling of grievances, complaints, or concerns	N/A	N/A	N/A
4	Acknowledgement of reception to a person submitting the grievance, complaint, concern	N/A	N/A	N/A
5	Preliminary assessment	N/A	N/A	N/A
6	Forwarding grievances, complaints or concerns to appropriate other entities (where applicable).	N/A	N/A	N/A
7	Detailed investigation	N/A	N/A	N/A
8	Resolution proposal	N/A	N/A	N/A
9	Closure	N/A	N/A	N/A
10	Follow up (as required)	N/A	N/A	N/A
11	Monitoring/evaluation and reporting	N/A	N/A	N/A

❖ ESS-4: Community Health and Safety (CHS)

ESS-4 and Section 3 of the EHS Guidelines both contain seven distinct categories of issues regarding CHS, although they differ to some degree from one another. Therefore, we will characterize them in a way that respects their different areas of focus or emphasis, but also captures their overlapping similarities. What is most important is to synthesize the most fundamental issues underlying these various aspects of CHS in spite of minor or subtle definitional distinctions.

This next category or type of concern laid out in ESS-4 is "**Safety of Services**" encompassing the adequacy of preventive or mitigation measures attached to "services" required by the project (in this case, by the URU building itself) that can pose risks or dangers for nearby individuals or communities, such as impacts on the water supply (both in terms of the quality and availability of drinking water covered under the EHS Guidelines) and sanitation systems, air- or waterborne diseases generated by workers at the site, heavy equipment or hazardous chemicals and materials or wastes that may be present in the URU laboratory, and an excessive load demand

placed on the electrical system by the building. In this regard, we have no information at this time to estimate whether any of those types of "service" risk will be created by the URU building, and thus cannot say whether RAJUK is in compliance with these requirements under ESS-4 or the Guidelines, or not.

"Traffic and Road Safety" is the fourth category of risk mentioned under ESS-4 as well as under the EHS Guidelines. We have previously discussed the lack of any system or protocol that is in place at the URU building site addressing this issue with any seriousness. There is no reliable or credible information or record-keeping being kept of traffic or road safety issues, or of any inconvenience placed upon nearby residents or businesses, or on traffic patterns in general, during the construction phase of this project. There is no system to monitor incidents and accidents, nor are regular reports of such monitoring efforts ever prepared.

There is no **Labor Influx Management Strategy (LIMS)** for RAJUK's URU building in place to address and mitigate the impacts on traffic in the Mohakhali area from a number of workers getting to and from the work site every day. The construction of the URU building is for a specific time-period requiring significant excess labor capacity that has not been available in sufficient numbers solely from local workers. Thus, they have mostly come from the Mymensingh, Jessore, Tangail, and Bogra districts. The impacts on traffic have been "moderate" since commencement of construction started in October 2020 with workers residing locally in accommodations provided by the contractor.

Therefore, the M&E team finds that RAJUK and its building contractor are not enough concerned about this ESS safeguard policy, which requires that immediate corrective action be taken.

Community Exposure to Health Issues is another area of concern due to potential impacts on nearby individuals and communities by Bank-funded projects, such as the URU building. This category of risk is analogous to the EHS Guidelines' sub-section (3.6) on "Disease Prevention." Both of these require that reasonable efforts be taken to "avoid or minimize the potential for community exposure to water- and vector-borne diseases, as well as to communicable and non-communicable diseases that could result from project activities."

Table 2.5.4: The number of men and women in the Contracting and Subcontracting construction organizations involved in RAJUK-URU Building implementation

(Based on the results of the average January to March 2022)

Sl. No	Structural subdivision	Total employees worked per day	Men		Women	
			Total	%	Total	%
1	Administrative and managerial staff (AMS)	7	6	90%	1	10%
2	Engineering and technical personnel (ETP) Contractor	6	6	100%		
	Engineering and technical personnel (ETP) Subcontractor	3	3	100%		
3	Workers of AMS (cleaners, security, electricians etc.)	8	8	100%		
4	Workers at construction site	43	43	100%		
Total		67	66	99%	1	1%

Source: Field data collection at March 2022

To the best of our knowledge, we have only seen efforts taken by RAJUK and its contractor to limit exposures from workers and others *entering* the work site (that is, to maintain site access control and security), but not to prevent or minimize exposures **to** individuals or communities **from** workers or others *leaving* the work site. In addition, the housing accommodations provided for workers by the contractor have been found to be woefully unhealthy, unsafe, and unhygienic.

The Labor Influx Management Strategy (LIMS) for RAJUK's URU building needs to be prepared to meet the World Bank's Environmental and Social Framework (ESF), Environmental and Social Standard (ESS), as well as Bangladesh's national labor laws. The LIMS assesses the potential risks and impacts of assignment of labor for the implementation of Project activities by the implementing agencies (IAs) and address them through mitigation measures in line with ESS-2 and Bangladesh Labor policies and provisions. Various types of workers (Direct and Contracted), their estimated numbers, characteristics etc., as well as key potential environmental and social risks-such as unscrupulous labor practices, Occupational Health and Safety (OHS) issues, community health and safety risks, exploitation of child/ forced/trafficked labor/beneficiaries as well as potential worker health and safety issues while working under COVID-19 pandemic situation, should have been assessed and presented in this LIMS.

Management and Safety of Hazardous Materials is the next category of hazard mentioned in ESS-4 and complements the category of "Transport of Hazardous Materials" found in the EHS Guidelines. Therefore, we shall handle both of them as one issue here. This ESS requirement stipulates that "whenever there is a potential for the public (including workers and their families) to be exposed to hazards, particularly those that may be life-threatening, special care will be exercised to avoid or minimize their exposure by modifying, substituting, or eliminating the condition or material causing the potential hazards." As we previously stated under ESS-2, this issue of the transport, handling, use, storage, and disposal of hazardous chemicals, materials, and wastes is of greatest uncertainty and lack of information, but also of greatest concern.

The Emergency Preparedness and Response requirement in ESS-4 and the EHS Guidelines stipulates that "the Borrower (RAJUK in this case) will identify and implement measures to address any unanticipated incident, arising from both natural and man-made hazards, typically in the form of fire, explosions, leaks or spills, which may occur for a variety of different reasons, including extreme weather events or lack of early warning. The measures will be designed to address the emergency event in a coordinated and expeditious manner, to prevent, minimize, mitigate, and compensate for any injuries or damage that may occur to the health and safety of workers and the community." In the EHS Guidelines, this requirement is expanded to include "Communication Systems, Emergency Resources, Training, and Business Continuity and Contingencies" sub-sections that go into much more useful detail under EHS Section 3.7. RAJUK would be well advised to familiarize itself with these guidelines.

Suffice it to say that **RAJUK is not in compliance with this requirement under either ESS-4 or the EHS Guidelines, and requires management's attention and corrective actions or steps to be taken in an expeditious manner.**

Finally, **Ecosystem Services** were not considered to be a relevant issue of concern in the case of the URU building due to its location within a major business district of Dhaka, a major metropolitan area of over 20 million people that has already been significantly altered by land-use changes over the past few decades. Therefore, we will not discuss it any further here in this report. There is no analogous category in the EHS Guidelines.

Overall, the requirements of ESS-4 regarding community health and safety (CHS) have largely been ignored by RAJUK and the World Bank. There has been no serious effort on

RAJUK's part to "evaluate the risks and impacts of the project on the health and safety of the affected communities during the project life cycle." Nor have they proposed or implemented any bodies or mechanisms to address concerns or complaints from local citizens or communities. In addition, there are no written protocols to manage project-related traffic and road safety risks, nor to "identify and implement measures to address emergency events or unanticipated incident," such as fires, explosions, leaks, or spills. No risk hazard assessment or emergency response plan has ever been prepared, let alone implemented. There are no mass public notification or evacuation procedures in place. In sum, the potentially affected public has *not* been consulted with, while their concerns and risks continue to be ignored.

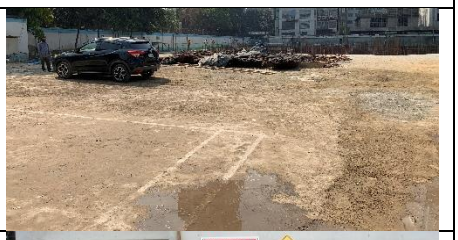
2.5.2 M&E Team Site Visit to URU Building Site

During this period between January to March 2022, the M&E team also conducted visits to the URU building site. Our observations and recommendations are presented in **Table 2.5.5** below.

Table 2.5.5: URU Building Construction Site Observations and Recommendations

Observations	Comments	Site Photos
Material Stockpile Sand and other construction material at a storage location of the construction site	No PPE used by the workers, possibility to inhaling of dust into eye and nose, instigates respiratory problem. Ensure every single person involved in the construction activity wear proper PPE	
Contractor's Camps Basins set up and waste water drainage area	One of the dining area basins is subject to elevated platforms (slab), may occur accident. Need to place the slab with proper levelling	
	The slab properly placed after M&E E&S Teams follow up inspection	

Observations	Comments	Site Photos
Waste Management and Pollution	Improper disposal of solid and liquid wastes; spills & inadequate clean-up. Design and prepare on Site Waste Management Plan.	
	The drain properly cleaned after M&E E&S Teams follow up inspection	
Food Service Room Near the kitchen	Open food is subject to attack by flies, cockroaches. Different food must be covered with shield to protect flying duct and insects (drosophila)	
	Slightly improved the kitchen area after M&E E&S Teams follow up reminder	
Occupational health, safety and, fire safety	Harm for laborers. The scope of works should include occupational health and labor safety measures, consistent with effective rules and provisions, prevention of incidents and occupational diseases, as well as improvement of working conditions. The primary fire - fighting equipment only provided at construction site.	
	Gradual change of living condition of workers after M&E E&S Teams follow up inspection	

Observations	Comments	Site Photos
Waste Management and Pollution	Improper disposal of solid and liquid wastes; spills & inadequate clean-up. Require Waste Management Plan, SOPs for vehicle washing, refueling, working in water, and Emergency Response Plan etc.	
	Dust suppression measures after M&E E&S Teams follow up inspection	
Hazardous materials Petrol, mobile, paints and paint stored near electrical system	Select proper storage, use PPE, proper handling and management of Hazmat, adequate ventilation	
Civil construction work: Site protection work (with wire mesh) have been completed.	Fabrication work for basement slab done	
Water quality During this construction phase, the samples were analyzed for parameters covering bacteriological and physio-chemical characteristics which include certain heavy metals and trace elements	Water samples should be collected as grab water sample in a standard sampling bottle and 250 ml sterilized clean bottle to complete physio-chemical and bacteriological tests respectively.	

2.5.3 M&E Team Site Visit to DNCC's Green Field Communication Towers

The environmental and social management consultant of DNCC was working to develop the Labor Influx Monitoring System (LIMS) and the Environmental Monitoring Plan (EMP). Eventually these documents will be followed to assess the possible environmental and social impact and undertake corrective measures (if necessary) in the Green Field tower construction process. Table 2.5.6 below provides monitoring information of other visited sites such as, Tongi, Gazipur, Mirpur-Dhaka, Chuadang, Jhenaidah and Rajshahi.

Table 2.5.6: Greenfield Tower Construction Site Observations and Recommendations

Observations	Comments	Site Photos
Greenfield tower construction at Tongi, Gazipur. Mixing construction material at construction site	Excavated earth not properly placed. Excavated earth should be stored away from the column footage. PPE used by the workers, possibility to inhaling of dust into eye and nose, instigates respiratory problem. Ensure every single person involved in the construction activity wear proper PPE	
Worker's accommodation, Greenfield tower at Tongi, Gazipur	Non-standard accommodation of workers at site. Provide standard, accommodation with individual bed placed at a safe distance	
Greenfield tower, site demarcation Mirpur Fire Station, Mirpur-10	Initial work based on review of approved design in progress.	
Rooftop tower at Chuadanga FSCD	Installation of the system and regional communication in progress	

Observations	Comments	Site Photos
Greenfield tower erection at Jhenaidah FSCD	Civil works in progress,	
Worker's accommodation at Jhenaidah FSCD	Poor accommodation. Advised to provide standard accommodation with individual bed placed at a distance, ensure safety (relocate electrical switch board).	
Foundation works of Greenfield tower at Rajshahi FSCD	Works in progress. Workers should maintain safety, use PPE	
Material stock pile, Rajshahi FSCD	Materials mixed with waste papers, pulp, twigs. Cover all kinds of construction materials with tarpaulin.	

CHAPTER 3 Rolling Total of Physical Progress since July 2021

This section of the 16th QPR presents the cumulative or "rolling" totals of physical progress that has been made since July 1st, 2021 in all of the first three (1st, 2nd and 3rd) quarters of this fiscal year (FY 2021-2022) up until March 31, 2022. We also have included projections for the next three (3) months until end of June 2022. The information is presented below in sequential order for each Project sub-component.

3.1 Component A: Reinforcing the Country's Emergency Management Response Capacity

❖ Sub-component A-1: Renovation and Outfitting of Building for ERCC and NDMRTI (DDM)

DDM is responsible for implementing Sub-component A-1 to renovate office spaces on several floors of the DDM building to locate the Emergency Response and Communication Centre (ERCC) and the National Disaster Management Research and Training Institute (NDMRTI). It has been reported in the Chapter 2 that all planned renovation activities were completed. For NDMRTI, several training rooms, multipurpose halls, library and auditorium have been renovated and training programs organized periodically. As like NDMRTI, the planned renovation works were also completed for ERCC. The first consignment of ICT equipment for ERCC and NDMRTI has been delivered. But these facilities are yet to be renovated with the Emergency Communication Technology (ECT) equipment being procured by DNCC.

❖ Sub-component A-2: Renovation and Outfitting of City Corporation and FSCD DRM facilities (DNCC)

Under **Sub-Component A-2**, DNCC is responsible for building, renovating, and outfitting local-level City Corporation (DNCC, DSCC, and SCC) and FSCD DRM facilities in Dhaka and Sylhet.

All facilities for the City Corporations and Fire Service and Civil Defense (FSCD) were completed and has been reported earlier. In this fiscal year contract signed for the construction of Green Field tower at DNCC, DSCC and SCC. (W-2.4) and the construction process ongoing for 13 Green Field towers out of total 18.

❖ Sub-component A-3: Specialized ECT Equipment Procured

Under **Sub-Component A-3**: DNCC is responsible for Supply, Install and Integrate Specialized ECT Equipment for EOCs of City Corporations and Command & Control Centre of FSCD

Among the major accomplishments in this Sub-Component, the contract was signed to procure the ICT equipment for NDMRTI and ERCC (G-1.15), partial delivery of the NDMRTI and ERCC's ICT equipment and furniture delivery for all EOC of City Corporation and Command & control Centre of FSCD (G-1.16). The construction of the rooftop base stations and installation of the DMR network is on-going as updated in the chapter-2. In addition, a Midterm Report was submitted under package S-9 to prepare the ward-level GIS based maps at DNCC, DSCC and SCC area.

❖ Sub-component A-4: Procurement of Specialized Search and Rescue (SAR) Equipment

Under Sub-Component A-4, DNCC is responsible to procure the Search and Rescue (SAR) Equipment for FSCD and City Corporations. As reported in the Chapter 2 that almost all the SAR equipment has already been purchased except the rescue boats.

The M&E Team has tracked a total of 37 set of milestones. All but one (1) of the 37 milestones (i.e., the procurement, delivery, and related tasks) for these sub-components have already been completed and reported in previous quarterly reports. This means most of the SAR equipment have already been purchased. The only remaining active milestone is the "delivery of Search and Rescue equipment (3 rescue boats)," under package G-2.11.

❖ Sub-component A-5: Training, Exercises and Drills (TED) Program

Under **Sub-Component A-5**, the TED Program hasn't resumed since the last training sessions that were conducted in March 2020. The difficulties encountered since the start of the COVID situation with a country wide lockdown halted works and prevented staff from international firms to travel and stopped training activities. Later, the TED contract was ended with the REM/DTCL JV on November 18, 2020. As this report is being prepared, there has not yet been any settlement of this contractual dispute.

In the current fiscal year, the Terms of Reference (ToR) for the proposed new TED program with UNDP has been prepared and finalized. The mentioned TED program (Consultancy Service for Training, Exercises and Drills Program -URP-DDM/S-3.1) is supposed to be conducted as a new service contract subject to approval of DDM's DPP.

3.2 Component B: Vulnerability Assessment (VA) of Critical and Essential Facilities

The Rajdhani Unnayan Kartripakkha (RAJUK) is implementing two sub-components under **Component B**. Which are:

- **B-1**: Conducting a vulnerability assessment (**VA**) of critical and essential facilities; and
- **B-2**: Supporting the development of risk-sensitive land use planning (**RSLUP**) practices in Dhaka.

Under **Sub-component B-1**, the M&E team has been tracking 59 milestones, among which 27 were tracked over the first three quarters of the fiscal year. Of these, two (2) milestones were "completed late", twenty (20) were "due, but on-going" and five (5) were "Not applicable". Except the due twenty (20) and file (5) milestones are programmed to be completed within the next quarter (by the end of March 2022).

Only three (3) milestones were completed in the first three quarters of the fiscal year under **Sub-component B-1**. They were: (i) Reviewed and Revised 2nd level (**Preliminary Assessment**) of vulnerability assessment reports with ranking off all the remaining buildings (totalling a floor area of 500.000 sqm) (MD-05) and (ii) Approved 2nd level (**Preliminary Assessment**) of vulnerability assessment reports with ranking off all the remaining buildings (totalling a floor area of 500.000 sqm) (MD-05). (iii) Submitted Feasibility report following DEA for all the buildings with floor area totaling 250000 sqm including retrofitting design and cost estimates for buildings eligible for retrofitting works (MD-06). The status of all other milestones is described at previous chapter (**Chapter-2).**

Under **Sub-component B-2**, the M&E team has been tracking 47 milestones, among which 14 were tracked over the first three quarters of the fiscal year. Of these 14 milestones, four (4) were "completed late," and the remaining 10 were "due, but on-going" which are expected to be completed within the next quarter (by the end of June 2022).

Four (4) milestones were completed in the first three quarters of this fiscal year under **Sub-component B-2**. These are: (i) Submit Geotechnical and Geological Survey plan. Use the body of existing knowledge to develop approaches to resolve apparent or foreseen conflicts (e.g. land use management, zoning in hotspot areas) and regional strategies for removing bottlenecks to risk-sensitive land use planning and implementation in Metro-Dhaka, principally in the following areas (MD-4.2), (ii) Complete and submit the Greater Dhaka Risk Sensitive Land Use Strategy (MD-4.3) (iii) Propose a comprehensive framework for mainstreaming DRR into the Dhaka planning system, detailing the methodology and parameters for risk sensitive planning. (D-04). (iv) Obtain shear wave velocity profile from the indirect tests such as MASW, SASW, seismic refraction, reflection etc. so that the test results from the direct and indirect geophysical tests can be compared at the selective grid points. (Seismic Cone Penetration Test) - (GD-5). Apart from those main achievements, all other milestones are described in the relevant section of **Chapter-2**.

3.3 Component C: Improved Construction, Urban Planning and Development

RAJUK is also the implementing agency for the four (4) sub-components under Component C of URP. These sub-components include:

- Create and operationalize an Urban Resilience Unit (URU) in RAJUK (C-1);
- Establish an electronic construction permitting (e-permitting) system (C-2);
- Set up a professional accreditation program (PAP) for engineers, architects, and planners (C-3); and
- Improve building code enforcement within RAJUK jurisdiction (C-4).

Under Sub-component C-1, the M&E team is tracking 28 milestones; among which, six (6) were tracked during the first three quarters. Out these six (6), four (4) were "Completed late" and the remaining two (2) are programmed to be completed by June 2022.

By far the most important achievement under **Sub-component C-1** in the first three quarters of the fiscal year were: (i) Reviewed and Revised Monitoring and Evaluation Report (MD-6), (ii) Approved Monitoring and Evaluation Report (MD-6), (iii) Reviewed and Revised Final Report (MD-7), (iv) Approved Final Report (MD-7). All other milestones and achievements in the 2nd quarter are described in the relevant section of **Chapter-2**.

Under **Sub-component C-2**, the M&E team has been tracking 25 milestones, among which four (4) were tracked over the first three quarters of the fiscal year. Out of four (4), two (2) were in "Complete late," one (1) was "Due, but on-going," and remaining one (1) milestone was in "Due, but no progress". Two due milestones were programmed to be completed within June 2022.

Under **Sub-component C-3**, the M&E team has been tracking 24 milestones, among which 15 were tracked over the first three quarters of the fiscal year. Out of 15, six (6) were in "Complete late," three (3) were in "Due, but on-going," four (4) were in "Due, but [had made] no progress" and remaining two (2) milestones need to be completed within June 2022.

A total six (6) major milestones were completed during the first two quarters of the fiscal year. Those five (5) milestones were: (i) Reviewed and Revised Inception Report (MD-1) (ii) Approved Inception Report (MD-1) (iii) Submission of Demand Analysis Study Report (MD-2) (iv) Reviewed and Revised Demand Analysis Study Report (MD-2) (v) Approved Demand Analysis Study Report (MD-2). (iv) Conduct 48 training sessions of Structural Engineer – (Seng) Training Program as a part of Professional Accreditation Program Strengthening Component of the Urban Resilience Project (URP). Other milestones are described in the relevant section of **Chapter 2**.

Under **Sub-Component C-4**, the M&E team has been tracking 25 milestones, among which 12 were tracked over the first three quarters of the fiscal year. Out of 12, three (3) were in "Complete late," three (3) were in "Due but, on-going," five (5) were in "Due but [had made] no progress" and remaining one (1) milestone need to be completed within June, 2022.

Only three (3) major milestones were completed during the first two quarters of the fiscal year. That three (3) were: (i) Submitted Training and Capacity building Report. (ii) Reviewed and Revised Training and Capacity building Report (iii) Approved Training and Capacity building Report. Other milestones are described in the relevant section of **Chapter 2**.

❖ URU Building: Design and Supervision of Construction

Under this component the M&E team is tracking 107 milestones, among which 17 were tracked for the first three quarters of the fiscal year. Out of these 17, four (4) were "Completed late," six (6) were "Due, but on-going," two (2) were "due but [had made] no progress" and the remaining five (5) milestones need to be completed within June, 2022.

Among the most important deliverables generated during the three quarters of the fiscal year 2021-2022 were, (i) Supply and delivery of equipment for Explora on of RSLUP Profile: 200 KN Truck Mounted CPT Equipment (G-17), (ii) Mat foundation/grade beam/Rebar fixing and concrete casting done for establishment of URU Building (W-1). (iii) Columns, retaining wall, floor, ramp, and lift core casting completed in B2 level (W-1). (iv) Supply of Smart IT Equipment & Office Machinery (G-21). All other milestones are described in the previous chapter (Chapter 2).

3.4 Component D: Project Coordination, Monitoring and Evaluation

M&E team has been tracking a total of 14 milestones. Of these 14 milestones, 10 were "completed on-time," 1 (one) was "completed late," five (5) were "Due, but on-going," and the other two (2) are planned for the current quarter (by June 2022).

There are 11 milestones which have been completed during the first three quarters of the fiscal year. Those were: Submission, review and approval of the 13th and 14th Quarterly Progress Report; Preparation and submission of the 15th QPR; Convene quarterly 15th and 16th PSC meetings. Convene three quarterly Technical Committee meetings. Besides, the 18-month extension of the URP and the DPP revision process is ongoing.

CHAPTER 4 Financial Progress for 3rd Quarter FY 2021-22

4.1 Introduction

This section of the report categorically describes the financial progress of the implementing agencies based on the approved cost, quarterly allocation and disbursement. The URP was supposed to be completed by June 30, 2020. But, in the first three years, there was very little progress (at least in relation to what was expected). Therefore, in late 2019, the Government of Bangladesh (GoB) requested the World Bank to extend and restructure the Project. Subsequently, the Bank accepted that request and agreed to extend the Project for 22 months until April 2022. It also restructured the Results Framework, and reallocated Project funds among the four IAs. Agency-wise data on approved costs is presented in **Table 4.1**. It is shown that the Urban Resilience Project (URP) is being implemented at a total cost of **151,932.64** Lac BDT over nearly seven (7) years (August 3, 2015 to April 30, 2022).

According to restructured allocation, more than 95% of the cost is in the form of a donor-provided "line of credit" from the World Bank. There are four implementing agencies: DNCC, RAJUK, DDM and PCMU. DNCC is the largest agency responsible for spending 81,222.64 Lac BDT (53.5%), followed by RAJUK at 53,665 Lac BDT (35.3%), DDM at 12,515 Lac BDT (8.2%) and PCMU at 4,530 Lac BDT (3%). The following is the component-wise financial progress for each agency.

Table 4.1: Agency-wise Approved Costs for the Urban Resilience Project:

Implementation Agency (July 1, 2015 – April 30, 2022)	**Total Cost (Lac Tk.)**	**GoB (Lac Tk.)**	**WB credit (Lac Tk.)**	**Total (US$ millions)**
DNCC	81,222.64 (100%)	1,455 (1.8%)	79,767.64 (98.2%)	**US $95**
RAJUK	53,665 (100%)	3,515 (6.5%)	50,150 (93.5%)	**US $59**
DDM	12,515 (100%)	965 (7.7%)	11,550 (92.3%)	**US $14**
PCMU	4,530 (100%)	300 (6.6%)	4,230 (93.4%)	**US $5**
Total	**151,932.64 (100%)**	**6,235 (4.1%)**	**1,45,697.64 (95.9%)**	**US $173**

However, since the COVID-19 pandemic slowed the project's overall progress, the Economic Relations Division (ERD) requested an extension, which was authorized by the World Bank on September 16, 2021. The project's completion date has been moved from April 30, 2022 to October 30, 2023 as a result of the 18-month extension.

4.2 Department of Disaster Management (DDM): Quarterly Allocation vs Actual Expenditures

The Department Disaster Management (DDM) has been implementing URP's two **Sub-components A-1 and A-5 at a total cost of 12,515 Lac BDT** (or 15.17 million USD).

The total allocations for the year were fixed to 5,000 Lac BDT. Though the programmed quarterly allocation for DDM in the reporting year (3rd Quarter- FY 2021-22) is BDT 1,850 Lac, the total expenditure of this quarter is only BDT 119.11 Lac (or 6.44%).

Component-wise expenditure shows that Component A-1 (renovation work of ERCC & NDMRTI) and Component- A-5 (TED) have no expenditure (zero) & PIU cost was 119.11 Lac which is 100.00% of total expenditure. There was no expenditure in component A-1 as payment of all the packages have been cleared and in component A-5, all training was postponed since March 15, 2020. There might be some expenditure in Component A-5 in the 4th quarter due to the closing of the contract with the consulting firm (REM/ DTCL JV) and restarting with UNDP.

Table 4.2: DDM's quarterly allocation vs. expenditures during January-March, 2022 (in Lac BDT)

Component A: Reinforcing the country's Emergency Response Management (ERM) Capacity	Expenditures for 2nd Quarter (Oct-Dec) of FY 2021-22	Expenditures for 3rd Quarter (Jan-Mar) of FY 2021-22
Sub-component **A-1**: Renovate and equip office space for the ERCC and NDMRTI	0	0
	0.00%	0.00%
Sub-component **A-5**: TED Program	0	0
	0.00%	0.00%
PIU Expenditures	63.05	119.11
	100.00%	100.00%
Total Expenditures	63.05	119.11
	100.00%	100.00%
Quarterly Allocation	850	1,850
% of Expenditures to yearly Allocation (For FY 2021-22 = 5,000 Lac BDT	7.42%	6.44%

4.3 Dhaka North City Corporation (DNCC): Quarterly Allocation vs Actual Expenditures

DNCC has been implementing three sub-components of Component A: Reinforcing the country's emergency response management (ERM) system. The three sub-components under DNCC's management are to: Design, Build and Outfit Local City Corporations and FSCD with ERM facilities in Dhaka and Sylhet (**A-2**); Procure specialized emergency communications technology (ECT) equipment for ERM (**A-3**); and procure specialized search and rescue (SAR) equipment (**A-4**). These sub-components are being implemented by DNCC at a total cost of **81,222.64** Lac BDT (**96.73 million USD**). This represents more than half (**53.5%) of total URP expenditures** over the entire project period.

Total expenditures incurred by DNCC in the 2nd Quarter of FY 2021-22 by sub-components along with other pertinent information are presented in **Table 4.3**. As can be seen in that table,

in the 3rd quarter of this fiscal year, **DNCC spent 1,067.81 Lac BDT, which is just 13.84% of its total quarterly allocation of 7,713.6 lac BDT**. **Table 4.3** also shows that in the previous quarter (October-December 2021), DNCC's spending was much lower 354.19 Lac BDT, or less than three times of current quarter's total expenditures. The distribution of DNCC's current expenditures by sub-component shows that procuring Specialized ECT equipment for DRM and Emergency Response (A-3) topped all three sub-components at 65.96%, whereas, for DRM facilities for FSCD at local level (A-2) had 11.60%. On the other hand, for procurement of search and rescue (SAR) equipment under A-4, no expenditure was incurred in this quarter. DNCC's PIU costs in this quarter were the biggest at 239.64 lac BDT, or 22.44%, of total expenditures.

Table 4.3: DNCC's quarterly allocation vs expenditures during January-March, 2022 (in Lac BDT)

Component A: Reinforcing the Country's Emergency Management Response Capacity	**Expenditures for 2nd Quarter (Oct-Dec) of FY 2021-22**	**Expenditures for 3nd Quarter (Jan-Mar) of FY 2021-22**
Sub-component **A-2**: (Design, Build and Outfit Local level City Corporations and FSCD with DRM Facilities)	80.00	123.89
	22.59%	11.60%
Sub-component **A-3**: (Procure Specialized ECT equipment for DRM and Emergency Response)	12.16	704.28
	3.43%	65.96%
Sub-component **A-4**: (Procure Specialized Search and Rescue Equipment)	0	0
	0.00%	0.00%
Expenditures of PIU	**262.03**	239.64
	73.98%	22.44%
Total Expenditures	354.19	1067.81
	100.00%	100.00%
Quarterly Allocation (Lac BDT)	1,928.40	7,713.6
% of Expenditures to Quarterly Allocation (previous vs. last Q)	**18.37%**	**13.84%**

4.4 RAJUK: Quarterly Allocation vs Actual Expenditures

RAJUK is implementing **Component B** (Vulnerability Assessment of Critical and Essential Facilities) and **Component C** (Improved Construction, Urban Planning and Development) at a **total cost of 53,665 Lac BDT (or 59 million USD)** over the entire project period. Its quarterly financial performances by components and sub-components are presented below in **Table 4.4.** As can be seen in that table, **RAJUK spent 696.18 lac BDT, or about 19.89% of its quarterly allocation of 3,500 Lac BDT in the 3rd Quarter of FY 2021-22**. Compared to the previous quarter (October-December of FY 2021-22), its expenditures in the last quarter (January-March of FY 2021-22) were decreased by more than 4,300 Lac BDT.

The distribution of quarterly expenditures by components shows that no payment was made by RAJUK on Component B (B-1 and B-2). Among the sub-components of C, about 585.55 Lac BDT was paid to the consultants, supplier and contractor for sub-component C-1 (Creation and operationalization of the URU). No money was spent on the other three (3) Sub-components (C2, C3, and C4) in the last quarter. PIU cost was only 110.63 Lac BDT, which was only 16% of the total expenditures in the quarter.

Table 4.4: RAJUK's quarterly allocation vs expenditures during January-March, 2022 (in Lac BDT)

Components B and C	Expenditures for 2nd Quarter (Oct-Dec) of FY 2021-22	Expenditures for 3rd Quarter (Jan-Mar) of FY 2021-22
Component B: Vulnerability Assessment of Critical and Essential Facilities		
Sub-component **B-1** (package S-4): Vulnerability Assessment and Prioritized Investment Plan for Critical Assets	0	0
	0%	0%
Sub-component **B-2** (package S-5): Risk Sensitive Land Use Planning (RSLUP) practices	0	0
	0%	0.00%
Sub-total: Component B	0	0
	0.00%	0.00%
Component C: Improved Construction, Urban Planning and Development		
Sub-component **C-1** (package S-6): Create and operationalize the URU in RAJUK	4,171.26	585.55
	83.4%	84%
Sub-component **C-2** (package S-7): Establish an Electronic Construction Permitting System (ECPS)	0	0
	0.00%	0.00%
Sub-component **C-3** (package S-8): Set up a Professional Accreditation Program (PAP) for Engineers, Architects and Planners	172.08	0
	3%	0%
Sub-component **C-4** (package S-9): Improve Building Code Enforcement within RAJUK's jurisdiction	514.93	0
	10.29%	0.00%
Sub-total: Component C	4,858.27	585.55
	97.11%	84.11%
PIU Expenditures	**144.69**	110.63
	3%	16%
Total Expenditures	5,002.96	696.18
	100.00%	100.00%
Quarterly Allocation (Lac BDT)	4,500	3,500
% of Total Expenditures to Allocation	111.18%	19.89%

4.5 PCMU: Quarterly Allocation vs Actual Expenditures

PCMU's expenditures consisted of payments made to the M&E and Audit consultants, salaries and allowances for its managers and staff as well as office supplies and services. PCMU's expenditures are presented in **Table 4.5.** As shown, **PCMU's total expenditures in the Third Quarter of FY 2021-22 were 73.05 Lac BDT against a target of 175 Lac BDT, or just 41.74% of its quarterly allocation**.

Compared to the previous quarter (October-December, 2021), PCMU's total expenditures in the current quarter (January-March, 2021) were less, by about 22%.

Table 4.5: PCMU's quarterly allocation vs expenditures during January-March, 2022 (in Lac BDT)

Component D: Project Coordination, Monitoring and Evaluation	**Expenditures for 2nd Quarter (Oct-Dec) of FY 2021-22**	**Expenditures for 2nd Quarter (Oct-Dec) of FY 2021-22**
Consulting fees	79.23	0
	84.22%	0.00%
Expenditures of PCMU	14.85	73.05
	15.78%	100.00%
Total: Component D	94.08	73.05
	100.00%	100.00%
Allocation	175	175
% of Expenditures to Allocation (from previous vs. last quarter)	**53.76%**	**41.74%**

4.6 Financial Analysis of PIU Performances

Expenditures in the 3rd quarter for the four Project Implementation Units (PIU) and non-PIU expenditures for each IA are presented below in Table 4.6. **In the last quarter, out of 1,956.15 Lac BDT, 542.43 lac BDT was spent on PIU staff salaries, office equipment and other supplies by all four IAs.**

In other words, **nearly 28% of total project expenditures** were incurred by PIUs. The distribution of PIU vs. non-PIU expenditures by IAs shows that RAJUK was the most efficient in terms of expenditures spent on their own staffs. RAJUK spent a total of 585.55 Lac BDT on non-PIU (project) expenses, but only spent 110.63 Lac BDT on its own PIU expenses. As a percentage, this is around one percent (16%). DNCC spent 239.64 lac BDT on its PIU, representing 22% of its total expenditures.

However, PCMU spent over 73.05 lac BDT on its PIU, representing more than 100% of its total expenditures. Similarly, DDM spent 119.11 lac BDT on its PIU, representing 100% of its total expenditures.

Table 4.6: Comparison of PIU and Non-PIU Expenditures in third quarter, FY 2021-22 (in lac BDT)

Implementing Agencies	**Total Quarterly Expenditures**	**Quarterly PIU Expenditures**	**Quarterly Non-PIU Expenditures**	**3rd Q PIU Expenditures as % of Total Expenditures**	**3rd Q Non-PIU Expenditures as % of Total Expenditures**
DDM (A-1 and A-5)	119.11	119.11	0	100%	0%
DNCC (A-2, A-3 and A-4)	1,067.81	239.64	828.17	22%	78%
RAJUK (B and C)	696.18	110.63	585.55	16%	84%
PCMU (D)	73.05	73.05	0	100%	0%
Total	1956.15	542.43	1413.72	28%	72%

4.7 Cumulative Financial Progress of URP: June 2015 - March 2022

As of March-2022, a total of about **113,916** lac BDT had been spent since the start of the URP back in June of 2015. This is about **75%** of the total approved cost of **151,932.6** Lac BDT (**Table 4.7**). The financial progress of the Project from July 2015 to June 2019 (that is, at the time the URP was "restructured") was only 29%. Thus, financial progress in the last two fiscal years and three quarters were more than 45% of its total expenditures since 2015.

However, there are 18 months left in the Project's newly revised closing date (October 2023). Agency-wise progress as shown in Table 4.7 indicates that despite DNCC has issues[1] in the financial reporting system it has achieved the highest level of financial progress at over 87% of its total expected expenditures over the life of the Project, followed by RAJUK at over 65%, PCMU at over 57%, and DDM lagging behind at about 45% with a little prospect for improvement before revising the DPP for the next eighteen months extension period.

Table 4.7: Overall Financial Progress of URP till March 2022

Implementing Agency Name	Total Approved Cost (RDPP) (Lac Tk.)	Total Expenditure (Up to June 2020)		Total Expenditure (Up to June 2021)		Total Expenditure (Up to March 2022)	
		In Lac Tk.	As percentage	In Lac Tk.	As percentage	In Lac Tk.	As percentage
DNCC	81,222.6	50,522.98	62.20%	67,412.93	83.00%	70,756.59	87.11%
RAJUK	53,665	16,123.87	30.05%	25,619.83	47.74%	34,911.21	65.05%
DDM	12,515	4,420.16	35.32%	5,420.22	43.31%	5,660.85	45.23%
PCMU	4,530	1,525.79	33.68%	2,293.76	50.63%	2,588.01	57.13%
Total	151,932.6	72,592.80	47.78%	100,746.74	66.31%	113,916.66	74.98%

[1] The data i.e., the financial figures of DNCC's reporting (i.e., IMED-3, IMED-5 and IUFR) have been mismatching for numerous quarters. DNCC-accounts was unable to maintain consistency in financial data management in it's different reporting protocols despite several notifications/observations raised by M&E team. There have been a tendency to modify past financial figures in the present financial reports of DNCC. The M&E team urges that DNCC (PIU-Management) should be aware of their data verification method, as well as maintain a homogeneity in the financial data management & reporting system.

CHAPTER 5 Challenges and Opportunities

This chapter summarizes the challenges and opportunities that the project is facing in the present days and those were also applicable throughout the project's implementation. During the last two fiscal years, the Covid-19 pandemic continued to be the primary challenge for the project as the Government had to shutter public offices several times with lockdowns. The progress of the project activities is still behind the schedule and there can be no doubt that the impacts of the COVID-19 virus have significantly and negatively affected implementing agencies' (IA) performance and the project's overall progress.

Followed by the covid situation, the construction work of the Urban Resilience Unit (URU) of RAJUK and the Green Field tower of DNCC were delayed. The Training Exercise and Drill (TED) program of DDM didn't resume yet; and FSCD is still suffering for the additional manpower needed for the Operation and Maintenance (O&M) of the goods and equipment purchased under the project. The URU institutionalization process and piloting of the Electronic Construction Permitting (ECP) System or RAJUK appeared significantly lagging behind its original schedule. Under the circumstances, 18-month extension of URP up to October 2023 is an opportunity to complete the pending and delayed activities.

5.1 Importance of TED Program to achieving the Project Development Objective

The challenges regarding the Training, Exercises, and Drills (TED) program remain the same as has been stated in earlier reports for several months now. The TED Program was designed to improve the emergency response capabilities, preparedness, and readiness of multiple government agencies, among these being Fire Service and Civil Defence (FSCD) principally.

The TED Program is an in-depth, long-term, and fundamental educational competency- and capacity-building program, which in the long run will provide Bangladesh with the emergency response competencies and organizational procedures and clear lines-of-command needed to effectively and efficiently prepare for, and respond to, disasters. The TED Program under Sub-component A-5 is managed by DDM. Previously it was planned to conduct 63 trainings, and 13 drills & exercises for approximately 700 participants. The consulting consortium of REM and DTCL were contracted to deliver the TED Program back in 2018. TED was also supposed to provide training so that Emergency Operational Centers (EOCs) and command and control centers would become fully functional.

Ending the TED Program contract with REM/DTCL last November 2020, has seriously impaired the Project's successful fulfilment of the first two PDO-level "outcome" indicators to provide decentralized Emergency Response (ER) services in 45 wards of Dhaka (out of a total of 93 wards) and 20 wards (out of 26 wards) in Sylhet. While the ER (Emergency Response) system now has enhanced facilities and equipment, it still lacks the capacities and skills demonstrated through mock drills to effectively and efficiently use those resources and assets. Thus, the TED Program has not provided the training needed so that FSCD and others can provide those "enhanced services" in a crisis effectively and efficiently (3rd PDO). This also jeopardizes PDO Indicators 1 & 2 as well as the 6th and 7th Intermediate Results Indicators (IRIs).

5.2 Construction of RAJUK's Urban Resilience Unit (URU) building

Previously it was indicated that the challenge associated with the construction and operationalization of the facility within the existing project period that was impacted by the Covid-19 pandemic. As a continuation of that indication, regarding the URU construction it was identified that in the first year of the construction phase, several inherent matters predominantly played role to slow down the projects progress. Those matters include the outbreak of the Covid-19 pandemic, the rainy season, and the inadequate supply of labor and equipment by the previous subcontractor. To overcome the issue of the subcontractor's inability in terms of labor and equipment a new sub-contractor having adequate equipment and manpower was appointed in order to getting momentum in work progress. However, due to initiate a new setup and understanding the whole system, the new contractor submitted a one-year time extension proposal beyond its original schedule. This proposal is still in the revision process and supposed to be considered subject to approval of the DPP. *But according to M&E team's observation RAJUK is facing difficulties in managing the Chinese Construction firm to maintain the construction work schedule within the project duration.*

5.3 Institutionalization of the URU and implementation of its staff functions are unlikely to be completed by Project closing

Besides, in terms of the operationalization of the URU, very little progress has been observed from last quarter. In the consultancy part with RTI (package S-6), necessary design for institutional and infrastructure arrangement were formulated for URU institutionalization. In addition, some training and capacity building was completed for staff with conduction of outreach campaign. While the institutional framework for URU operationalization has been formulated, RAJUK will require the necessary approval of this design from concerned Ministry. In these circumstances, the PIU is reviewing necessary policy documents those would be required to formulate an institutional framework for URU and obtain ministry approval.

Under the Trusts Act of 1882, PIU-RAJUK planned to create Urban Resilience Unit (URU) as a Public Trust under the Ministry of Housing and Public Works. Its intention was to establish a self-financed government owned research-based organization to support disaster management which was typically a new concept for Bangladesh. But, in order to establish a public trust, PIU-RAJUK will have to go through a long-term bureaucratic *pre-legislative, legislative, and post-legislative* law-making process.

On December 20, 2021, a meeting was held with the Minister, Ministry of Housing and Public Works to review the progress of the Urban Resilience Project - RAJUK part. Considering the project's long-term viability, detailed discussion took place among various stakeholders about the URU operationalization. It was appeared that without discussion, not much progress or concrete decision was made as an outcome towards the institutionalization pathway. Considering the last couple of years process it seemed that URU institutionalization could really be a challenging task for the RAJUK PIU within present project duration.

5.4 Activation of the Electronic Constriction Permitting (ECP) System is delayed

The Electronic Construction Permission (ECP) System was launched on last September 2021. Piloting activities of ECPS (Electronic Construction Permitting System) was supposed to start in the meantime. As the O&M period for this service is scheduled for two years, the consulting firm will provide necessary supports after launching of the system within this period.

The M&E team reported that even after seven months of lunching the program the piloting of the ECP system couldn't be started yet. The Memorandum of Understanding (MoU) between Bank and RAJUK for the selection of payment gateway has not yet been finalized. This process is getting delayed from the Law Section of RAJUK for necessary ratification and vetting. If these institutional arrangements can't be ensured in a timely manner there will be limited time for piloting the system within the existing O&M period.

5.5 World Bank's applicable Environmental and Social Safeguard Standards

The M&E team has observed multiple instances of non-compliance of the World Bank's applicable Environmental and Social Safeguard Standards (ESS-1, ESS-2 & ESS-4) and EHS Guidelines through a series of site visits, and interviews with contractors and workers at the work site, which have been confirmed by photographic evidence.

In addition, it has been observed that a two-tier Grievance Redress Committee (GRC) that RAJUK has established. The Committee did not meet due to the lack of having a functioning Grievance Redress Mechanism (GRM) in place to address citizen concerns, complaints, or questions from the public about construction work that is underway. Nor has a Labor Influx Management Strategy (LIMS) been established to manage the influx of 60-70 workers on-site during construction. These are both issues that the M&E team has mentioned to senior RAJUK PIU and URP managers about in previous reports. Despite those previous recommendation going back well over a year, no actions have been taken to correct the situation.

Besides, Multiplate environmental and social impacts visible in some of the construction sites of FSCD's Green Field tower. The environmental and social safeguard compliance monitoring at site has not found performed in line with the Environmental Monitoring Plan (EMP) and the LIMS that DNCC was supposed to oblige.

5.6 Operations and Maintenance (O&M) of equipment and facilities with their implications for long-term Sustainability

With a view to Increase the capacity of officials and emergency management response personnel, under the URP, hundreds of Emergency Communication Technology (ECT) and Search & Rescue (SAR) equipment, as well as high frequency, very high, and ultra-high frequency (HF, VHF & UHF) equipment with their associated wireless equipment and terminals have been purchased by DNCC. Facilities such as command & control centres, emergency operational centres (EOC), warehouses, DRM offices, and zonal control rooms have been built and renovated under DNCC's management around the city. Within the limited resources, making these facilities functional and operational is still a major challenge. Laboratory testing equipment including hardware and software has also been purchased by RAJUK. All of this equipment and facilities need to be operated and maintained properly to ensure their continued usefulness.

The need for additional manpower requirement for FSCD has been discussed many times in the Project Technical and Project Steering Committee meetings but due to scarcity of funds or not having provision in the DPP, such manpower arrangement couldn't be ensured, which is a major challenge in terms of achieving sustainability of the project and ensure O&M of the purchased equipment.

The concept of Emergency Operation Centre (EOC) operation is still new in Bangladesh. The EOCs of the City Corporations and ERCC of DDM are yet to equip with the ECT equipment. Supply and delivery of these equipment's have already started. But these are mostly hardware

facilities for these emergency management centres. In order to operate these functionaries operating software is essential those are not budgeted for procurement under the existing DPP.

The long-term sustainability of the Project largely depends on implementing appropriate O&M practices of equipment and facilities with proper training and on-going exercise and drill programs provided for persons who will operate and care for that equipment and facilities.

During our field visits, **we have found that regularly required, periodic operation and maintenance (O&M) of these facilities and equipment is not being carried out as it should.** Thus, there is a very real possibility that this equipment and facilities will fall into misuse and disrepair, rendering them useless in emergencies.

5.7 Opportunities to Overcome Project Challenges

The M&E team therefore believe that the biggest opportunities for the URP during this extension period should be to address the project's shortcomings. The focus should be on completing the unfinished tasks of DDM getting on with the business of implementing the TED Program and ensuring that RAJUK takes seriously its role to complete the construction and operationalise the Urban Resilience Unit (URU). Since the URU will facilitate all the activities under Components B and C that will ultimately reduce the vulnerability of Dhaka's built environment and ensure the continued functioning of critical public services or "lifelines" in the face of worsening risks of disasters and crises. Besides, Under Component A, DNCC needs to complete the installation of Emergency Communication Technology (ECT) equipment in the various emergency response facilities including the Emergency Operation Centers (EOCs) and Command and Control Rooms (CCRs). After the installation process, operation of these ECT is important that need to be ensured followed by the EOC operation training within the project period.

The M&E team has been saying all along that the focus needs to shift from producing products or "outputs" to actually achieving the desired "outcomes" of enhancing the government's capabilities to reduce the risks of, and quickly and effectively respond to, the impacts of disasters like fires, floods, and earthquakes.

Thus, these shortcomings of the above important components should be the primary areas of project management attention and of the Bank's supervision efforts. It should be the aim of DDM to get the TED Program back on track and to ensure that RAJUK internalizes and can independently implement all functions under Components B and C ensuring the operationalization of URU. And it should be the aim of all parties involved in the project to demand that these shortcomings be adequately addressed given their importance to the very survival of the capital city and its economic and social importance to the country and its future development.

CHAPTER 6 Recommendations and Conclusions

The M&E team is therefore proposing the following recommendations on the basis of our findings of the results achieved in the last reporting period (3rd quarter of FY 2021-2022). Consequently, our recommendations are aligned with the conclusions we reached.

This need to be mentioned that the recommendations anticipated are not only applicable for the reporting quarter, the M&E team have been proposing most of these recommendations from the beginning when the associated challenges foreseen. In this 16th Quarterly Progress Report, we presented the following conclusions and recommendations based on our findings reported in the earlier chapters of the report.

6.1 Sub-components A-1 and A-5 managed by DDM

Under Sub-component A-1 all the planned renovation works for NDMRTI and ERCC were completed. Though the NDMRTI is being used for training purposes now, it is still not being used for its intended purpose yet under the URP as the country's flagship research and training institute to hold TED program.

As per URP's Project Appraisal Document (PAD) the "The ERCC, EOCs, command and control centers and Satellite Control Rooms will be equipped with ECT systems capable of enabling voice and data under extreme conditions; this will enable all those involved in responding to an emergency event to keep communication up at critical times. The ERCC functions similarly to an EOC except it is the national center for coordination of resources to support subordinate EOCs make decisions and establish policies". The ERCC is yet to be outfitted with emergency communication technology (ECT) equipment or provided with a back-up power supply system. So, what has been "achieved" so far is *only* an "output" of renovated office space, but it does **not** represent the intended "outcome" of having an established communication system in emergency situation. In addition, it is **critical** that training and capacity building support be provided to the personnel who will be in charge of making the ERCC fully functional. The ultimate effectiveness of the ERCC will largely depend on fully utilizing the three (3) other Emergency Operational Centers (EOCs) and successfully outfitting and staffing the ERCC so it serves its intended function as the 'brain' of the nation's emergency response system during and after an emergency. Therefore, we recommend that the ERCC be fully outfitted with ECT equipment and a back-up power supply system as well as being staffed with well-trained personnel so that it can be fully operational during and immediately following any disaster or emergency situation. Necessary human resources need to fully activate the ERCC and NDMRTI should be covered in the 18-month extension proposal.

As a result of the expiration of TED Program under Sub-component A-5, three of the four PDO Indicators (the 1st, 2nd & 4th PDOIs), as well as several Intermediate Results Indicators (IRIs 6 & 7), are either completely or significantly affected. **The TED Program is indispensable to achieving the first part of the overall PDO** (that is, "*to strengthen the capacity of Government of Bangladesh agencies to respond to emergency events*") since without adequate training in the operation and maintenance (O&M) of equipment procured under the Project, it will not serve its intended purpose. **Without a fully executed TED Program, it is simply not plausible to argue that the first part of the PDO has been satisfactorily achieved because the**

personnel responsible for responding to a disaster will not have been adequately trained in its use.

Therefore, given the seriousness of not having implemented Sub-component A-5, **we strongly recommend as the highest priority that the TED Program be restarted as soon as possible and be fully implemented throughout the proposed 18-month extension period.** We also recommend that DDM closely collaborate with FSCD to fully understand and incorporate their requested needs into the TED curriculum. TED is critical in order for FSCD to get the international accreditations (e.g., INSARAG) they were intended to obtain in the URP's Project Appraisal Document (PAD) and in DDM's Development Project Proposal. In addition, **we recommend** that training activities be undertaken to make a number of facilities (EOCs, warehouses, DRM offices, and Zonal Control Rooms, etc.) fully functional that were constructed or renovated by DNCC under sub-component A-2.

In the Chapter-2 we have informed that DDM has already finalized the Terms of Reference (ToR) of TED that had also been cleared from the World Bank to resume the program with UNDP. Followed by the DPP approval, signing of contract and the training program is planned to be started soon. Therefore, we recommend this is the high time to further assess the training needs from FSCD if there is a scope. The M&E team believes that some **basic training should be provided to local civil society or faith-based groups** under a revised and enhanced TED Program. It has been shown from real-life experiences during and immediately after disasters that people in the immediate area or community are the first ones to respond attempting to save the lives of their families and neighbours before 'official' government assistance arrives. We believe that they should also be trained with equipment and emergency supplies pre-positioned to act as first responders in carrying out search-and-rescue efforts immediately following a disaster. **We strongly recommend that the disputed financial issues between DDM PIU and REM/DTCL need to be settled.**

6.2 Sub-components A-2, A-3, and A-4 managed by DNCC

It has been reported earlier that within the A-2, A-3 and A-4; most of the activities of A-2 and A-4 have been completed by DNCC. Under A-3, the ECT equipment procurement and installation is ongoing with the construction of Green Field and Rooftop tower. We have indicated several times before; **the operation and maintenance (O&M) of equipment and facilities remains a major challenge of the Project going forward in the last three years of its implementation**. The importance of this cannot be overstated given the sizeable investment in equipment and facilities made over the past six years. **Therefore**, **the Project needs to create adequate and on-going budgets and training to sustain the operational effectiveness of these huge investments in equipment and facilities.** This can be achieved through continual training for staff, developing retention and absorption plans to mainstream human resources, and allocating adequate recurring budgets to maintain the inventory of current equipment, and pay for new equipment. **However, the issue of operation, maintenance and need for additional manpower is not the only responsibility of DNCC and FSCD but this matter needs to be addressed collectively and make provision for this fund in the DPP for the next 18-month extension phase.**

Specially the staff support for Emergency Operation Centres (EOCs) for City corporations and Command and Control Centres (CCC) for FSCD need to have provisioned in the revised DPP of 18-month.

As discussed in Project Steering Committee (PSC) meetings, the M&E team has recommended earlier that these measures be taken to ensure that purchased equipment under the URP is

listed in *Tables of Organogram and Equipment (TO&E)* of the Government so that revenue budgets can be determined and provided after the Project's implementation period ends. In addition, all IAs should prepare deployment plans of equipment and share it with MoDMR (Ministry of Disaster Management and Relief) for any emergency management planning and to assess any remaining gaps in equipment or facility needs.

6.3 RAJUK's management of construction and operationalization of Urban Resilience Unit (URU) Building and its relevance to achieving the PDO

In the earlier chapters we have discussed our concerns at length about the delays that have been experienced in the construction of RAJUK's URU building. The physical construction work is still behind its schedule. **Based on the previous work progress this time extension proposal needs to be carefully reviewed and set a realistic duration to complete the construction work.** We recommend that RAJUK needs to effectively follow up with the civil contractor (China State Construction Engineering Corporation Ltd.) and its local part and closely monitor and ensure the construction of the URU (both the W1 and S-11) to be completed by its scheduled duration.

In terms of the URU operationalization, RAJUK couldn't yet develop the competencies needed to perform the key functions by its planned URU staff that were intended to be strengthened and supported under the six sub-components of Components B and C of the URP. This remains one of the most important challenges facing the URP's implementation in its current phase as well as in future potential phases.

However, our recommendation for RAJUK to fully staff and train them because *none* of these intended outcomes will ever be achieved until this happens. We therefore strongly recommend that the URU institutionalization strategy be finalised and approved by RAJUK authorities and relevant Government ministries within the proposed 18-month extension. Necessary provision of required staff for URU operationalization could be indicated in the 18-month DPP.

In addition, it has been reported earlier that even after seven months of lunching the program the piloting of the ECP system couldn't be started yet. This process is getting delayed from the Law Section of RAJUK. **Therefore, we strongly recommend that RAJUK needs to coordinate with its 'Law Section', and start the piloting process immediately.** This will allow enough time for piloting and further testing process and lead to establish the full functionality of the system within the limited O&M period.

6.4 Ensure Compliance with Environmental & Social Safeguard Standards and EHS Guidelines in the Construction of URU Building and Green Field Tower

From the beginning of the URU construction the M&E team is performing an in-depth monitoring of the **World Bank's applicable Environmental and Social Safeguard Standards, its Environmental, Health and Safety (EHS) Guidelines and the Environmental Monitoring Plan (EMP) of the Environmental Impact Assessment (EIA) document.** In each quarterly periodic interval, we provide observation to address ESS and EHS condition where applicable. Some of those were addressed and the situation improved but still there are areas for improvement. We have been reporting that URU construction is not fully in compliance with those mentioned guidelines.

The M&E team observed multiple instances of non-compliance with the World Bank's applicable **Environmental and Social Safeguard Standards (ESS-1, ESS-2 & ESS-4)** as well as with the Bank's EHS Guidelines, as described above in Chapter 2. Although a Grievance Redress

Committee (GRC) that RAJUK has established, but it did not meet due to lack of having a functioning Grievance Redress Mechanism (GRM) in place to address citizen concerns, complaints, or questions from the public about construction work that is underway. **Nor has a Labor Influx Management Strategy (LIMS) been established** to manage the influx of 60-70 workers on-site during construction. We recommend that RAJUK needs to ensure that URU construction is in compliance with the DoE and WBG's-IFC **Environmental and Social Safeguard Standards** (ESS) and Environmental, Health and Safety (EHS) Guidelines; with a functional **LIMS, GRC and GRM** in place.

In regard to the construction of Green Field towers, multiplate environmental and social impacts were reported at the construction sites of FSCD. The environmental and social safeguard compliance monitoring at sites has not found performed in line with the Environmental Monitoring Plan (EMP) and the LIMS. **We recommend that DNCC needs to closely monitor and ensure that the construction process is in compliance with the Environmental and Social Safeguard Standards of the World Bank and DoE, GOB.**

6.5 Project Coordination and Monitoring by PCMU

The role of the Project Coordination and Monitoring Unit (PCMU) in the URP, as described in the World Bank's Project Appraisal Document (PAD, 2015), is to develop mechanisms to track and analyze the Project's progress and performance by managing the M&E team. In addition, the M&E team is responsible for monitoring compliance with the Bank's applicable safeguard and fiduciary requirements, prepare Quarterly Progress Reports, Annual Reports, end-of-project report and to conduct an independent mid-term review.

In its role as defined, PCMU has carried out its charges satisfactorily in the past fiscal year by facilitating the work of the M&E team, and by coordinating the review and validation meetings described in detail in Chapter 2. In the recommendation section of our previously reports we have mentioned that PCMU need to have a more assertive role in following up on the implementation of the PSC's decision by having more leadership authority with the other IAs.

But in the last reporting quarter it was observed that no coordination meetings i.e., the Technical and PSC Meetings were not conducted as per the schedule. Later, one Technical Committee meeting was conducted in last April 2022. The fact was that after the retirement of PCMU's Project Director (PD), appointment of the new PD took prolonged time to hold these meetings. So, we would recommend that PCMU organises these progress review and coordination meetings on a regular basis from now on to confirm that project progress is on track and decision makers are well informed about the situation.

The M&E team also recommends that PCMU continues updating the PSC on corrective actions that have been taken by itself or other IAs to implement the decisions of the PSC reached at each meeting. We believe that this type of more assertive follow-up mechanism will help in the better project coordination and management function. In addition, PCMU needs to be strengthened with more resources and staffing so that stronger coordination and monitoring of the URP is possible. As a part of effective coordination function PCMU can follow up the DPP (Development Project Proposal) revision process of IAs for the 18-month extension period so that the continuation of the progress does not hamper.

We recommend that all implementing agencies specially PCMU keep the M&E team better informed of upcoming events being held by itself or their sub-partners with more advance notification of validation meetings, training sessions, workshops, etc. With this information, senior managers/ decision-makers can more accurately assess the current situation and make better decisions to guide the Project towards a successful conclusion.

Annexes

SL	Name of the Annex
Annex 1	URP Results Framework
Annex 2	Summary of Monitoring Status Report (MSR) Milestones for entire URP
Annex 3	List of Warehouse, EOC as well as Command & Control Room (comparison by DPP and Actual)
Annex 4	Quarterly Physical and Financial Progress Monitoring Template
Annex 5	Update of Goods, works and Services packages
Annex 6	List of field visit
Annex 7	Structural Engineer training program under S-8A package of RAJUK
Annex 8	BNBC Training Courses under S-9 package of RAJUK
	A- General, Structural and Inspection
	B- Fire & Life Safety, Building Services, Accessibility, Energy, Planning
	C-BNBC Seismic Training
Annex 9	Rescue Boats' Inspection Report by Bureau Veritas (India) Private Limited

Annex 1: URP Results Framework

Project Development Objective Indicators						
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Wards with decentralized emergency response services in Dhaka (DNCC/DSCC jurisdiction)	Number	Value	0.00	68.00	68.00	68.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Warehouses of DNCC and DSCC are equipped with SAR kits but the ECT is still in the process of installation.	Warehouses of DNCC and DSCC are equipped with SAR kits but the ECT is still in the process of installation and testing.	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Wards with decentralized emergency response services in Sylhet (SCC jurisdiction)	Number	Value	0.00	20.00	20.00	20.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Warehouses of SCC Wards are equipped with SAR kits but the ECT is still in the process of installation.	Warehouses of SCC Wards are equipped with SAR kits but the ECT is still in the process of installation and testing.	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Increased capacity of officials and emergency management response personnel	Text	Value	N/A	N/A yet	N/A yet	Baseline +3
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		TED contract ended on November 2020. Financial settlement pending. Alternative arrangement to restart TED is on process.	TED contract ended on November 2020. Financial settlement pending. Alternative arrangement to restart TED is on process.	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Systems established to reduce vulnerability of new buildings	Number	Value	0.00	1.00	1.00	4.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		The Electronic Construction Permitting (ECP) system has lunched on September 19, 2021. Establishment for other three systems (URU, PAP, RSLUP) on-going.	The Electronic Construction Permitting (ECP) system has lunched on September 19, 2021. Establishment for other three systems (URU, PAP, RSLUP) on-going.	Number of systems to be established are revised from 3 to 4. This includes the original, Urban Resilience Unit, Electronic Construction Permitting, Professional Accreditation Program developed and/or strengthened, and the new system, Risk Sensitive Land Use Planning Practice.

Intermediate Results Indicators						
Component A: Reinforcing the Country's Emergency Management Response Capacity						
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
DDM facilities renovated (ERCC, NDMRTI)	Number	Value	0.00	2.00	2.00	2.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		All construction work has been completed. ECT suits yet to import and install by DNCC	All construction work has been completed. ECT suits yet to import and install by DNCC	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
FSCD facilities constructed and/or renovated	Number	Value	0.00	28.00	28.00	28.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Revised target achieved. Those facilities include Two (2) FSCD Command & Control Room, 13 Emergency Warehouses and 13 Auxiliary Control Room	Revised target achieved. Those facilities include Two (2) FSCD Command & Control Room, 13 Emergency Warehouses and 13 Auxiliary Control Room	Number of facilities revised due to space/land availability and institutional requirements. Auxiliary control rooms reduced from 17 to 13. Emergency warehouses increased from 12 to 13.
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
DNCC/DSCC/SCC facilities constructed and/or renovated	Number	Value	0.00	30.00	30.00	30.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Revised Targets already achieved. Facilities include 8 Warehouses (Dhaka), 3 EOC (for each CC) 1 URU (SCC), 8 DRM Offices (for each WR), 10 Zonal Control	Revised Targets already achieved. Facilities include 8 Warehouses (Dhaka), 3 EOC (for each CC) 1 URU (SCC), 8 DRM Offices (for each WR), 10 Zonal Control Rooms	Number of facilities revised as per institutional requirements from 26 to 30.
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
DDM/DNCC/DSCC/SCC/FSCD and Satellite Control Room facilities equipped with ECT suites and/or kits	Number	Value	0.00	100.00	100.00	100.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		All planned flyaway communication kits have been purchased	All planned ECT suits and flyaway communication kits have been purchased. Kits and suits installation & testing are ongoing.	Revised as per institutional requirements. During implementation, need for additional flyaway emergency communication kits was identified and included.
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
FSCD emergency management warehouses equipped with specialized search and rescue equipment	Number	Value	0.00	13.00	13.00	13.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Revised target already achieved. (11 Dhaka, 2 Sylhet)	Revised target already achieved. (11 Dhaka, 2 Sylhet)	Number of emergency management warehouses equipped revised from 12 to 13 as per institutional requirement.

Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Multi-agency exercises and drills completed	Number	Value	0.00	1.00	1.00	12.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		TED contract ended on November 2020. Financial settlement pending. Alternative arrangement to restart TED is on process.	TED contract ended on November 2020. Financial settlement pending. Alternative arrangement to restart TED is on process.	The end date was revised during the restructuring
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Training sessions to government officials and emergency management personnel delivered	Number	Value	0.00	8.00	8.00	40.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		TED contract ended on November 2020. Financial settlement pending. Alternative arrangement to restart TED is on process.	TED contract ended on November 2020. Financial settlement pending. Alternative arrangement to restart TED is on process.	This is a new indicator added during restructuring. Adding an indicator on training sessions, this was part of the original project scope but was not reflected in the original results framework.
Component B: Vulnerability Assessment of Critical and Essential Facilities						
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Identified and prioritized critical and essential facilities and lifelines for Dhaka	Percentage	Value	0.00	100.00	100.00	100.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Critical and essential facilities and lifelines identified as planned 5 million square meter RVA completed.	Target already achieved. Critical & essential facilities and lifelines identified as planned 5 million square meter RVA completed.	
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Vulnerability of prioritized critical and essential facilities and lifelines assessed for Dhaka	Percentage	Value	0.00	65.00	75.00	100.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		PEA Completed. DEA on-going, 200 buildings completed out of 212.	PEA Completed. DEA on-going, DEA field work completed for 209 buildings. DEA reporting done and approval still pending.	
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Vulnerability reduction strategy and program for Dhaka developed	Yes/No	Value	No	No	No	Yes
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Vulnerability reduction strategy will be determined when DEA for all 212 buildings will be completed.	Development of Vulnerability reduction strategy and program for Dhaka is in the process.	This is a new indicator added during restructuring. This was part of the original project scope but was not reflected in the original results framework.
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target

Risk-sensitive land use planning practice for Dhaka developed	Percentage	Value	0.00	70.00	85.00	100.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Draft Risk-Sensitive Land Use strategy has been prepared. Vetting and validation is ongoing.	Draft Risk-Sensitive Land Use strategy has been prepared. Vetting and validation meetings are ongoing.	This is a new indicator. This was part of the original project scope, sub-component B2 (Support Development of RSLUP in Dhaka), but was not reflected in the original results framework.
Component C: Improved Construction, Urban Planning, and Development						
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
E-Permits for construction issued by RAJUK	Text	Value	0.00	0.00	0.00	Baseline + 30%
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		ECP lunched on September 19, 2021. Since, the baseline will be set one year after system is publicly launched, it is still in the process to determine the value.	Baseline will be set one year after system is publicly launched; baseline value is still in the process of determination. Online payment gateway for ECP has been finalized. MoU process with banks ongoing.	The system is scheduled to be deployed by April 2020 including baseline determination. The Progress is set to be counted from deployment till April 22.
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Urban Resilience Unit facility of RAJUK constructed	Percentage	Value	0.00	28.00	35.00	100.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Form-work, staging, scaffolding and MS fabrication and other major works done for the beam and roof of Basement -2 (B2) casting.	Construction of Basement-2 done. Form-work, staging, scaffolding, MS fabrication and other works ongoing for the beam and roof slab of Basement -1.	
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Urban Resilience Unit facility of RAJUK equipped with laboratory and field-testing equipment	Percentage	Value	0.00	75.00	75.00	100.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Vendor Trainings for most of the delivered equipment have been completed.	Vendor Trainings for most of the delivered equipment have been completed. Few training programs delayed due to Covid.	
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
New building code implementation and enforcement strategy developed	Yes/No	Value	No	No	No	Yes
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Proposed program for the implementation and enforcement as well as Training and Capacity building Report are prepared. Education and outreach Campaign ongoing	Proposed program for the implementation and enforcement as well as Training and Capacity building Report are prepared. Education and outreach Campaign ongoing	This is a new indicator. This was part of the original project scope, covered under C4: Improved Building Code Enforcement, but was not reflected in the original results framework.
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target

Professional Accreditation Program developed and/or strengthened	Text	Value	No	No	No	Yes
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		Inception report approved and the Demand Analysis Study Report submitted	Inception report and Demand Analysis Report approved.	This indicator was revised. Defined further detail during implementation. For Structural Engineers the PAP will be developed, for other major engineering disciplines (mechanical, electrical), architects, and planners, the current accreditation will be strengthened.
Component D: Project Coordination, Monitoring, and Evaluation						
Indicator Name	Unit of Measure		Baseline	Actual (Previous)	Actual (Current)	Target
Monitoring Reports produced	Number	Value	0.00	17.00	18.00	18.00
	Sub Type	Date	31-May-2015	31-December-2021	30-April-2022	30-Apr-2022
		Comments		As of December 2021, the M&E team submitted 14 QPR and 3 APR in total.	As of March 2022, the M&E team submitted 15 QPR and 3 APR in total.	This indicator was revised to reflect the number of reports to be produced within the project period after delay contract signing

Annex-2: Summary of Monitoring Status Report Milestones for entire URP

16th Quarter MSR update with 3 Month Projection

Component Name	Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month projection	Sub-total
A1 (DDM): Renovate and equip ERCC & NDMRTI	0	0	0	0	0	0	0
A2 (DNCC): Design, Build and Outfit of DNCC, DSCC and FSCD by DRM Facilities	0	0	1	1	0	0	2
A3 (DNCC): Supply & Installation of Specialized ICT Equipment for FSCD and City Corporation	0	0	0	12	0	4	16
A4 (DNCC): Supply Specialized Search and Rescue Equipment	0	0	0	1	0	0	1
A5 (DDM): Enhance the capacity through TED of city corporations and FSCD	0	1	0	0	0	1	2
B1 (RAJUK): Vulnerability assessment of critical and essential facilities and lifelines	0	1	0	15	9	0	25
B2 (RAJUK): Risk sensitive land use planning practice in Dhaka	0	1	0	10	0	0	11
C1 (RAJUK): Create and operationalize the Urban Resilience Unit (URU)	0	0	0	2	0	0	2
C2 (RAJUK): Establish an Electronic Construction Permitting System	0	0	0	1	1	1	3
C3 (RAJUK):	0	1	0	3	4	2	10

Component Name	Completed on time	Completed late	On-going	Due, but on-going	Due, but no progress	3 Month projection	Sub-total
Set Up a Professional Accreditation Program for Engineers							
C4 (RAJUK): Improve Building Code Enforcement BNBC	**0**	**0**	**0**	**3**	**5**	**1**	**9**
URU Building (RAJUK) with Lab equipment	**0**	**1**	**0**	**6**	**1**	**5**	**13**
D (PCMU): Project Coordination, Monitoring and Evaluation	**1**	**1**	**0**	**5**	**0**	**2**	**9**
Total	**1**	**6**	**1**	**59**	**21**	**15**	**103**

Annex-3: List of Warehouse, EOC as well as Command & Control Room (comparison by DPP and Actual)

SL	Description	DNCC					DSCC			FSCD												SCC		Facilities proposed in DPP	Facilities undertaken
1	Command & Control room	-	-	-	-	-	-	-	-	-	-	Mirpur-10	-	-	-	-	-	-	-	-	-	South Surma,	-	2	2
2	DNCC Warehouse	Zone-1, Uttara	Zone-2, Mirpur-2	Zone-3, Mohakhali	Zone-4, Mirpur-10	Zone-5, Kawranbaza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5
3	DSCC Warehouse	-	-	-	-	-	Zone-2, Khilgoan	Zone-3, Azimpur	Zone-5, Saidabad		-	-	-	-	-	-	-	-	-	-	-	-	-	5	3
4	FSCD Warehouse-Dhaka (Small)	Sadarghat	Postagola	Demra	Khilgoan	Hazaribagh	Kalyanpur	Tejgoan	Diabari, Uttara	Tongi	Savar	-	-	-	-	-	-	-	-	-	-	-	-	10	10
5	FSCD Warehouse-Sylhet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	South Surma,	-	2	2
6	FSCD Warehouse-Dhaka (Large)	-	-	-	-	-	-	-	-	-	-	Mirpur-10	-	-	-	-	-	-	-	-	-	-	-	1	1
7	Auxiliary Control Room (Dhaka & Sylhet)	Zone-1,	Zone-2,	Zone-3,	Zone-4,	Zone-5,	Zone-2,	Zone-3,	Zone-5,	Sadarghat	Postagola	Demra	Khilgoan	Hazaribagh	Kalyanpur	Tejgoan	Diabari,	Tongi	Savar	Mirpur-10	South	-		19	21

SL	Description	DNCC					DSCC			FSCD										SCC		Facilities proposed in DPP	Facilities undertaken
8	DRM Office (DNCC, DSCC & SCC existing building)	Zone-1, Uttara	Zone-2, Mirpur-2	Zone-3, Mohakhali	Zone-4, Mirpur-10	Zone-5, Kawranbaza	Zone-2, Khilgoan	Zone-3, Azimpur	Zone-5, Saidabad	-	-	-	-	-	-	-	-	-	-	-	-	3	8
9	EOC (DSCC & SCC building)	-	-	-	-	-	-	DSCC Building	-	-	-	-	-	-	-	-	-	-	-	-	SCC Building	2	2
10	Satellite Control Room	DCC	RAZUK	Deputy Commission	Police Commission	Ansar & VDP	Dhaka WASA	BTCL	DGHS	AFD	TITAS GAS	Anjuman E Mafidul	Red Crescent Society	DESCO	-	-	-	-	-	-	-	13	Construction Not Started
11	Zonal Control Room (Existing Zonal office of DNCC & DSCC)	Zone-1, Uttara	Zone-2, Mirpur-2	Zone-3, Mohakhali	Zone-4, Mirpur-10	Zone-5, Kawranbazar	Zone-2, Khilgoan	Zone-3, Azimpur	Zone-5, Saidabad		-	-	-	-	-	-	-	-	-	-	-	10	8
12	Urban Resilience Unit (SCC building)	-	-	-	-	-	-	DSCC	-	-	-	-	-	-	-	-	-	-	-	-	SCC Building	1	2

Annex-4: Quarterly Physical and Financial Progress Monitoring Template

(In Lakh TK.)

Component		Fiscal Year (July 2021-June 2022)																			
		1st Quarter (Jul-Sept 21)				2nd Quarter (Oct-Dec 21)				3rd Quarter (Jan-Mar 22)				4th Quarter (Apr-Jun 22)				Grand Total			
		Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)
		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA	
1. Component A: (DDM Part) Reinforcing the country's Emergency Management Response Capacity	Target	0.00	0.00	0.00		850.00	50.00	800.00	6.79%	1850.00	100.00	1750.00	14.78%	2300.00	130.00	2170.00	18.38%	5000.00	280.00	4720.00	39.95%
Component A1: Renovate and equip ERCC & NDMRTI with basic office equipment	Achievement (Phy. Progress as the Percentages of total project)	0.00	0.00	0.00		0.00			0.00%	0.00			0.00%	0.00			0.00%	0.00	0.00	0.00	0.00%
Component A5: Enhance the emergency management and preparedness capacity of the national-level ERCC and NDMRTI and the local-level city corporations and FSCD in Dhaka and Sylhet through training, exercises and drills.		0.00				0.00			0.00%	0.00			0.00%	0.00			0.00%	0.00	0.00	0.00	0.00%
Establishment of PIU of URP: DDM Part and operational expenditure of PIU		58.47	33.71	24.75		63.05	24.86	38.19	0.50%	119.11	20.33	98.78	0.95%	0.00			0.00%	240.62	78.90	161.72	1.92%
Others (Please specify if any)									0.00%				0.00%				0.00%				0.00%
Sub-Total of A (DDM part):		58.47	33.71	24.75		63.05	24.86	38.19	0.50%	119.11	20.33	98.78	0.95%	0.00	0.00	0.00	0.00%	240.62	78.90	161.72	1.92%

Component		Fiscal Year (July 2021-June 2022)																			
		1st Quarter (Jul-Sept 21)				2nd Quarter (Oct-Dec 21)				3rd Quarter (Jan-Mar 22)				4th Quarter (Apr-Jun 22)				Grand Total			
		Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)
		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA	
2. Component A: (DNCC part) Reinforcing the country's Emergency Management Response Capacity	Target	2571.20	25.00	2,546.20	3.19%	1928.40	25.00	1,903.40	2.39%	7713.60	25.00	7,688.60	9.57%	642.80	25.00	617.80	0.80%	12856.00	100.00	12756.00	15.95%
Component A2: Design, Build and Outfit Local-Level City Corporation and FSCD DRM Facillities in Dhaka and Sylhet	Achievement (Phy. Progress as the Percentages of total project)	0.00	0.00	0	0.00%	80.00		80	0.10%	123.89		123.89	0.15%	0.00			0.00%	203.89	0.00	203.89	0.25%
Component A3: Supply, Installation and Integration of Speciallizad ICT Eqiupment for DRM and Emergency Response within the National-Level NDRCC and NDMTI and the Local-Level FSCD and City Corporation Facillities in Dhaka and Sylhet		1749.27	0.00	1749.27	2.17%	12.16		12.16	0.02%	704.28		704.28	0.87%	0.00			0.00%	2465.71	0.00	2465.71	3.06%
Component A4: Supply Specialized Search and Rescue Equipment.		0.00	0.00	0	0.00%	0.00			0.00%	0.00		0.00	0.00%	0.00			0.00%	0.00	0.00	0.00	0.00%

Component		Fiscal Year (July 2021-June 2022)																			
		1st Quarter (Jul-Sept 21)				2nd Quarter (Oct-Dec 21)				3rd Quarter (Jan-Mar 22)				4th Quarter (Apr-Jun 22)				Grand Total			
		Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)
		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA	
Establishment of PIU of URP: DNCC Part and operational expenditure of PIU		30.70	5.52	25.18	0.04%	262.03	8.07	253.96	0.33%	239.64	8.00	231.64	0.30%	0.00			0.00%	532.37	21.59	510.78	0.66%
Sub-Total of A (DNCC part):		1779.97	1779.97	5.52	1774.45	2.21%	354.19	8.07	346.12	0.44%	1067.81	8.00	1059.81	1.32%	0.00	0.00	0.00	0.00%	3201.97	21.59	3180.38
Component B: (RAJUK part) Vulnerability Assessment of Critical and Essential Facilities and Lifelines Component-C: (RAJUK part) Improved Construction, Urban Planning and Development	Target	3500.00	150.00	3350.00	7%	4500.00	150.00	4350.00	8%	3500.00	150.00	3350.00	7%	4100.00	150.00	3950.00	8%	15600.00	600.00	15000.00	29%
Component-B1: Conduct a vulnerability assessment of critical and essential facilities and lifelines	Achievement (Phy. Progress as the Percentages of total project)	1417.19	0.00	1417.19	3%	0.00			0%	0.00			0%				0%	1417.19	0.00	1417.19	3%
Component-B2: Support the development of a risk sensitive land use planning practice in Dhaka		140.00	0.00	140.00	0%	0.00			0%	0.00			0%	0.00			0%	140.00	0.00	140.00	0%
Sub-Total of B (RAJ UK		1557.19	0.00	1557.19	3%	0.00	0.00	0.00	0%	0.00	0	0	0%	0	0	0	0%	1557.19	0.00	1557.19	3%

Component		Fiscal Year (July 2021-June 2022)																			
		1st Quarter (Jul-Sept 21)				2nd Quarter (Oct-Dec 21)				3rd Quarter (Jan-Mar 22)				4th Quarter (Apr-Jun 22)				Grand Total			
		Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)
		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA	
4. Component-C: (RAJUK part) Improved Construction, Urban Planning and Development	Target				0%				0%	0.00			0%				0%	0.00	0.00	4171.26	0%
Component-C1: Create and operationalise the Urban Resilience Unit (URU) in RAJUK to Support DRR Mainstreaming and Improve Dhaka Urban Resilience.	Achievement (Phy. Progress as the Percentages of total project)	1052.70	0	1052.7	2%	4171.26		4171.26	8%	585.55		585.55	1%	0			0%	5809.51	0.00	5809.51	11%
Component-C2: Establish an Electronic Construction Permitting System		863.29	0	863.29	2%	0			0%	0.00			0%	0			0%	863.29	0.00	863.29	2%
Component-C3: Set Up a Professioinal Accreditation Program for Engineers, Architects and Planners		85.16	0	85.16	0%	172.08		172.08	0%	0.00			0%				0%	257.24	0.00	257.24	0%
Component-C4: Improve Building Code Enforcement with RAJUK Jurisdiction		0.00	0	0	0%	514.93		514.93	1%	0.00			0%	0			0%	514.93	0.00	514.93	1%
Establishment of PIU of URP: RAJUK Part and operational expenditure of PIU		33.90		33.9	0%	144.69	143.69	1	0%	110.63	67.37	43.26	0%	0			0%	289.22	211.06	78.16	1%
Others (Please specify if any)					0%				0%				0%				0%	0.00	0.00	0.00	0%

Component		Fiscal Year (July 2021-June 2022)																			
		1st Quarter (Jul-Sept 21)				2nd Quarter (Oct-Dec 21)				3rd Quarter (Jan-Mar 22)				4th Quarter (Apr-Jun 22)				Grand Total			
		Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)	Financial progress			Phy. progress (%)
		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA		Total	GOB	RPA	
Sub-Total of C (RAJ		2035.05	0.00	2035.05	4%	5002.96	143.69	4859.27	9%	696.18	67.37	628.81	1%	0	0	0	0%	7734.19	211.06	7523.13	14%
Total of B and C (RAJ		3592.24	0	3592.24	7%	5002.96	143.69	4859.27	9.32%	696.18	67.37	628.81	1.30%	0	0	0	0	9291.38	211.06	9080.32	17%
5. Component-D: (PCMU part) Project Coordination, Monitoring and Evaluation (Implemented by PCMU)	Target	15.00	160.00	3.86%	175.00	15.00	160.00	3.86%	175.00	15.00	160.00	3.86%	175.00	15.00	160.00	3.86%	700.00	60.00	640.00	15.45%	15.45%
Goods, Non-consulting service and Consulting Services	Percentage of total project)	0.00	94.29	2.08%	79.23		79.23	1.75%	0.00			0.00%	0.00			0.00%	173.52	0.00	173.52	3.83%	2.08%
Establishment of PIU of URP: PCMU Part and operational expenditure of PIU	94.29 32.84	11.37	21.46	0.72 %	14.85	14.41	0.44	0.33%	73.05	8.66	64.39	1.61%	0.00			0.00%	120.73	34.44	86.29	2.67%	0.72%
Sub-Total		127.12	11.37	115.75	2.81%	94.08	14.41	79.67	2.08%	73.05	8.66	64.39	1.61%	0.00	0.00	0.00	0.00%	294.25	34.44	259.81	6.50%

Annex-5: Update of Goods, works and Services packages

Procurement Plan of DNCC Part (DNCC/DSCC/SCC/FSCD)

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amont (Tk in lakh)	Actual Contract Price (Taka in lakh)	Procedure/ Method	Prior Review (Yes/No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Works contracts																		
1	URP-DNCC/W-1.1	Build FSCD Command and Control Room over newly constructed warehouse (vertical extension of 1st & 2nd flooor of newly constructed warehouse at FSCD Compound, Mirpur-10, Dhaka.)	Nos.	FSCD	1	964.68	859.22	OTM (NCT)	No		4-Apr-18		28-May-18	12/31/2018, June 30, 2019	30-Sep-19	Confidence Steel Ltd.	100%	Work is Completed.
2	URP-DNCC/W-1.2	Construction of FSCD Command & Control Center including Warehouses at South Surma, Sylhet.	Nos.	FSCD	3	771.12	694.01	OTM (NCT)	No				29-Mar-18	12/31/2018, June 30, 2019	30-Sep-19	Belal & Brothers.	100%	Work is Completed. (1 C&CC with 2 WH)
3	URP-DNCC/W-2.1	Construction of Emergency Operation Center (EOC), DRM Office and Urban Resilience Unit at SCC ,Sylhet. (Vertical	Nos.	SCC	1	296.62	265.12	OTM (NCT)	No		22-Apr-18		28-May-18	9/30/2018, 12/31/2018	30-May-19	Nirman & Fardin(JV)	100%	Work is Completed.

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amont (Tk in lakh)	Actual Contract Price (Taka in lakh)	Procedure/ Method	Prior Review (Yes/No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
		extension of 5th floor of SCC Nagar bhaban, Sylhet)																
4	URP-DNCC/W-2.2	Building Emergency Operating Centre (EOC), DRM Office and Urban Resilience Unit at DSCC, Dhaka.	Nos.	DSCC	1	152.70	135.75	OTM (NCT)	No		15-Oct-18		18-Nov-18	3/30/2019, Sep25, 2019	6-Aug-20	M/S Nirman Prokausholy	100%	Work is Completed.
5	URP-DNCC/W-2.3	Construction of Emergency Operating Centre (EOC) at DNCC, Dhaka.	Nos.	DNCC	1	255.99	228.86	OTM (NCT)	No		11-Nov-19		22-Dec-19	21-May-20	30-Jun-20	S.M Rahman International	100%	Work is Completed.
6	URP-DNCC/W-2.4	Construction of Greenfield Tower at DNCC, DSCC and SCC.	Nos.	CC	8	920	903.43	OTM (NCT)		21-Apr-21			28-Oct-21	26-Apr-22		Concrete & Steel Technologies Ltd.	20%	On-going work,
7	URP-DNCC/W-2.5	Construction of Greenfield Tower at FSCD	Nos.	FSCD	10	1150	1129.35	OTM (NCT)		21-Apr-21			29-Jun-21	28-Jan-22		Concrete & Steel Technologies Ltd.	20%	On-going work,
8	URP/DNCC/W-3.1	Construction of 13 Warehouses at FSCD.	Nos.	FSCD	11	849.89	908.046	OTM (NCT)	No		26-Jan-17		24-Apr-17	3/31/2018, 5/31/2018, 9/30/2018	30-Sep-18	M/S. Belal & Brothers	100%	Work completed. (11 Nos.)
9	URP-DNCC/W-3.2	Construction of 5 Warehouses at DNCC	Nos.	DNCC	5	426.13	500.94	OTM (NCT)	No		18-Dec-16		7-Feb-17	6-Jun-17	31-Dec-17	M/S. S. M Construction	100%	Work completed.

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amont (Tk in lakh)	Actual Contract Price (Taka in lakh)	Procedure/ Method	Prior Review (Yes/No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
10	URP-DNCC/W-3.3	Construction of 3 Warehouses at DSCC	Nos.	DSCC	3	266.43	286.54	OTM (NCT)	No		19-Dec-16		2-Mar-17	11-Jul-17	31-May-18	M/S. S. M Construction	100%	Work completed.
11	URP-DNCC/W-3.4	Erection and Fabrication of Signboard at emergency warehouse of City corporation.	Nos.	CC	8	10.00	6.11	OTM (NCT)	No				28-Jun-18	27-Jul-18	27-Jul-18	M/s. Syam Enterprise	100%	Work completed.
12	URP-DNCC/W-3.5	Erection and Fabrication of Signboard at emergency warehouse of FSCD.	Nos.	FSCD		10.00	7.62	OTM (NCT)	No				15-Oct-18	N/A	14-Nov-18	M/S. Biuld Connection	100%	Work completed.
13	URP-DNCC/W-3.6	Construction of Security fance (Grill) inside and outside the warehouse of DNCC.	Nos.	DNCC	5	10.00	9.64	OTM (NCT)	No				15-Oct-18	N/A	24-Nov-18	M/S. Ayan Construction	100%	Work completed.
14	URP-DNCC/W-3.7	Construction of Security fance (Grill) inside and outside the warehouse of DSCC.	Nos.	DSCC	3	10.00	7.62	OTM (NCT)	No				5-Dec-18	N/A	25-Dec-18	M/S. Enovation Construction	100%	Work completed.

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amount (Tk in lakh)	Actual Contract Amount (Tk in lakh)	Procedure/ Method	Prior Review (Yes/ No)	Date of Bid Opening		Date of Contract Signing		Date of Delivery		Name of Supplyer	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Specialized ICT Equipment																		
1	URP-DNCC/ G-1.1	Procurement of Specialized ICT Equipment (VHF & HF Radio Terminals and related Installations) for FSCD (Lot-1: VHF)	Nos.	FSCD		1363.4	520.26	OTM (ICB)	Yes				21-May-18	11/20/2018, 01/31/2019	6-Jan-19	Novatel Haber Lesme Cozumleri A.S, Turkey (Systems & Services Ltd.)	100%	Work completed. L.C Open-24/6/2018,
2		Procurement of Specialized ICT Equipment (VHF & HF Radio Terminals and related Installations) for FSCD (Lot-2 : HF)	Nos.	FSCD		3456.8	2571.31	OTM (ICB)	Yes				30-May-18	11/29/2018, 01/31/2019, 03/14/2019	11-Apr-19	Codan Ltd., Austrilia (Core Corporation)	100%	**Work completed.** L.C Open-24/6/2018, LC Amendment-14-3-2019,
3	URP-DNCC/ G-1.2	Procurement of Specialized ICT Equipment (VHF and HF Radio Terminals and Related Installations) for DNCC, Lot-1(VHF)	Nos.	DNCC		1009.36	486.49	OTM (ICB)	Yes				17-Oct-18	16-Apr-19	18-Sep-19	Novatel Haber Lesme Cozumleri A.S, Turkey	100%	**Work completed.** LC opened on 17/11/18, L.C Amendment 26/6/2019, Shipment done on 28/7/2019
4		Procurement of Specialized ICT Equipment (VHF and HF Radio Terminals and Related Installations) for DNCC, Lot-2(HF)	Nos.	DNCC		912.00	673.72	OTM (ICB)	Yes				22-Oct-18	21-Apr-19	N/A	Codan Ltd., Austrilia (Core Corporation)	Canceled	**Canceled** for BTRC not permitted HF Allocation. (LC opened on 12/11/18)
5	URP-DNCC/ G-1.3	Procurement of specialized ICT Equipment (UHF) Radio Technical's and related installation for DSCC.	Nos.	DSCC		522.40	272.99	OTM (ICB)	No				19-Aug-18	18/2/2019, 30/9/2019	18-Sep-19	Novatel Haber Lesme Cozumleri A.S, Turkey (Comunications Systems Ltd.)	100%	**Work completed.** L.C open on 13/9/2019, Shipment done on 28/7/2019

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amount (Tk in lakh)	Actual Contract Amount (Tk in lakh)	Procedure/ Method	Prior Review (Yes/ No)	Date of Bid Opening		Date of Contract Signing		Date of Delivery		Name of Supplyer	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
6	URP-DNCC/ G-1.4	Procurement of Specialized ICT Equipment (Lot-01: DRM Network, UHF Radio Terminals and Related Installations) for SCC	Nos.	SCC		1239.00	980.32	OTM (ICB)	No	29-Jan-19	29-Jan-19	15-Mar-19	30-Jun-19	30-Sep-19	30-Nov-20	Novatel Haber Lesme Cozumleri A.S, Turkey (Comunications Systems Ltd.)	95%	Delivery Complete, Instalation on-going. (1 site complete & 1 site pending out of 2 site)
7		Procurement of Specialized ICT Equipment (Lot-02: HF Radio Terminals and Related Installations) for SCC	Nos.	SCC							7-Nov-18				N/A	N/A	Canceled	Canceled for BTRC not permitted HF Allocation. (Tender Floated on 7-11-2018)
8	URP-DNCC/ G-1.5	Procurement of ICT Equipment for Emergency Operation Center (EOC) at SCC	Nos.	SCC		2520.00		OTM (ICB)	No		12/20/2018, Re-Tender opening-1/22/2020	4/30/2019, 4/30/2020	N/A	9/30/2019, 10/30/2020	N/A	N/A	Canceled	Cancled & Provide New Package G-1.18 (G-1.5 with G-1.12) due to lack of similar experience of the bidder.
9	URP-DNCC/G-1.6	Procurement of ICT Equipment for Command and Control Room(CCR) at FSCD, Sylhet	Nos.	FSCD		2520.00		OTM (ICB)	No	11-Feb-19	12/20/2018, Re-Tender opening-1/22/2020	4/30/2019, 4/30/2020	N/A	9/30/2019, 10/30/2020	N/A	N/A	Canceled	Cancled & Provide New Package G-1.19 (G-1.6 with G-1.7) due to lack of similar experience of the bidder.
10	URP-DNCC/ G-1.7	Procurement of ICT Equipment for Command and Control Room(CCR) at FSCD, Dhaka.	Nos.	FSCD		2940.00		OTM (ICB)	No	14-Feb-19	12/20/2018, Re-Tender opening-1/22/2020	4/30/2019, 4/30/2020	N/A	9/30/2019, 10/30/2020	N/A	N/A	Canceled	Cancled & Provide New Package G-1.19 (G-1.6 with G-1.7)

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amount (Tk in lakh)	Actual Contract Amount (Tk in lakh)	Procedure/ Method	Prior Review (Yes/ No)	Date of Bid Opening		Date of Contract Signing		Date of Delivery		Name of Supplyer	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
11	URP-DNCC/ G-1.8	Procurement of Specialized ICT Equipment (DRM Network and Related Installations-VHF) for FSCD	Nos.	FSCD		15865.08	11745.54	OTM (ICB)	Yes	30-Jan-19	7-Aug-19	15-Jun-19	14-May-20	30 Apr, 2020, 13 May, 2021	April-May,2021 (Delivered by 3 lot)	Hytera Communications Corporation Ltd. China	98%	Delivery done. Instalation on-going. (53 site complete, 49 site ongoing out of 102 site))
12	URP-DNCC/ G-1.9	Procurement of Specialized ICT Equipment (DRM Network and Related Installations-UHF) for DNCC	Nos.	DNCC		1470.00	1450.6	OTM (ICB)	No	17-Jan-19	31-Jan-19	15-Mar-19	25-Jun-19	9/30/2019, 2/24/2020	30-Nov-20	Novatel Haber Lesme Cozumleri A.S, Turkey (Comunications Systems Ltd.)	95%	Delivery Complete, Instalation on-going. (4 site complete & 2 site pending out of 6 site)
13	URP-DNCC/ G-1.10	Procurement of Specialized ICT Equipment (DRM Network and Related Installations-UHF) for DSCC	Nos.	DSCC		1470.00	1480.13	OTM (ICB)	No	21-Jan-19	5-Feb-19	15-Mar-19	23-Jun-19	9/30/2019, 2/22/2020	15-Sep-20	Novatel Haber Lesme Cozumleri A.S, Turkey (Comunications Systems Ltd.)	95%	Delivery Complete, Instalation on-going. (4 site complete & 1 site pending out of 5 site)
14	URP-DNCC/ G-1.11	Procurement of ICT Equipment for ware houses for DNCC and DSCC (Laptop, CC Camera, CCTV etc)	Nos.	DNCC/ DSCC		159.73		OTM (NCB)	No	15-Jan-19	29-Apr-19	30-Jun-19	7-Aug-19	24-Nov-19	11-Nov-19	Merits Technology Ltd.	100%	Setup Laptop & CCTV at Zonal office-XEN Room, Zonal officers room CC Camera connect with WH
15	URP-DNCC/ G-1.12	Procurement of ICT Equipment for Emergency Operation Center (EOC) at DSCC	Nos.	DSCC		2730.00		OTM (ICB)	No	18-Feb-19	19-Mar-19	30-May-19	N/A	30-Nov-19	N/A	N/A	Canceled	Cancled & Provide New Package G-1.18 (G-1.5 with G-1.12)

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amount (Tk in lakh)	Actual Contract Amount (Tk in lakh)	Procedure/ Method	Prior Review (Yes/ No)	Date of Bid Opening		Date of Contract Signing		Date of Delivery		Name of Supplyer	Progress [%]	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
16	URP-DNCC/G-1.14	Procurement of ICT Equipment for Emergency Operation Center (EOC) at DNCC.		DNCC		2795.58	2005.64			10-Feb-20	19-Mar-20	30-Jun-20	13-Dec-21	30 Mar-21, 30 Sep, 21, 02 Jan-22	Partially delivered on March, 22	CEIEC-LT Joint Venture of China National Electronics Import & Export Cprporation (CEIEC)	on going	Contract sign on 13 Dec, 2021, L.C opened on Jan 28,2021, Waiting for delivery.
17	URP-DNCC/G-1.15	Procurement of ICT Equipment for ERCC & NDMRTI under DDM		DDM		2071.88	1740.006			2/10/2020, 12/31/2020	21-Jan-21	30-Jun-20	23-Aug-21	30 Apr, 2022	N/A	CEIEC-LT Joint Venture of China National Electronics Import & Export Cprporation (CEIEC)	on going	Contract sign on 30 Apr, 2021, Waiting for delivery. L. C Opened on 02 Sep. 2021
18	URP-DNCC/G-1.16	URP-DNCC/G-1-16 Supply of Furniture for EOC-DNCC, EOC-SCC, EOC-DSCC and Command & control Center of FSCD				205.00	151.09			30-May-20	22-Oct-20	30-Jun-20	26-Jan-21	12/30/2020, 7/25/2021, 9/30/2021	27-Oct-21	Legacy Furniture (Pvt.) Ltd.	100%	Delivery done on 27 Oct 2021.
19	URP-DNCC/G-1.17	Procurement of Mobile command & control vehicles (1 Truck & Van)		FSCD	1	4540.73				29-Feb-20	24-Mar-20			N/A	N/A	N/A	Canceled	Cancelled for excess budget & not available manpower for this operation and maintenance in our country.
20	URP-DNCC/G-1.18	Procurement of ICT Equipment for Emergency Operation Center (EOC) at DSCC & SCC.		DSCC/ SCC		5338.63	4623.26			15-Feb-20	13-Feb-20	15-May-20	28-Mar-21	12/30/2021, 3/27/2022	Partially delivered on March, 22	CEIEC-LT Joint Venture of China National Electronics Import & Export	on going	NOA issued on 28 Feb,2021 from Bank. Contract Sign done. LC Opened on May 5, 2021.

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amount (Tk in lakh)	Actual Contract Amount (Tk in lakh)	Procedure/ Method	Prior Review (Yes/ No)	Date of Bid Opening		Date of Contract Signing		Date of Delivery		Name of Supplyer	Progress [%]	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
																Corporation (CEIEC)		
21	URP-DNCC/ G-1.19	Procurement of ICT Equipment for Command and Control Room (CCR) at Dhaka & Sylhet.		Dhaka /Sylhet		5375.64	4302.02			15-Feb-20	2-Mar-20	15-May-20	28-Mar-21	12/30/ 2021, 3/27/2 022	Partiall y deliver ed on March, 22	CEIEC-LT Joint Venture of China National Electronics Import & Export Corporation (CEIEC)	on going	NOA issued on 28 Feb,2021 from Bank. Contract Sign done. LC Opened on May 5, 2021.
Specialized Search and Rescue Equipment																		
1	URP-DNCC/ G-2.1	Procurement of Specialized Search and Rescue Equipment (SAR Emergency Tenders) for FSCD. (22 Nos.)	Nos.	FSCD	22	9574.00	5469.57 (747720600 Yn)	OTM (ICB)	Yes				11-Jul-17	10-Mar-18	Ist 11 nos deliver y were 30/08/ 18. and 2nd 11 nos deliver y were 10/11/ 18	Morita Corporation, Japan(M/S. Sadman Associates)	100%	Work completed.
2	URP-DNCC/ G-2.2	Supply of Specialized SAR Equip-ment (Water Rescue vehicle and boat) for FSCD. (5 Units)	Nos.	FSCD	5	518.12	550.94 (77500000 Yn)	OTM (ICB)	Yes				18-Dec-17	6/17/2 018, 9/25/2 018	9-Sep-18	Future Bud Inter. (M/S. Sadman Associates)	100%	Work completed.
3	URP-DNCC/ G-2.3	Specialized Search and Rescue (SAR) Equipment (tenders for Breathing Apparatus - 06 nos)(Fire Fighting Vehicle)	Nos.	FSCD	6	1643	1585.08 (1942500 $)	OTM (ICB)	Yes				5-Jul-18	28-Feb-19	27-Mar-19	Bristol Fire Engg. Industries LLC (Multi Drive Ltd.)	100%	LC opened on 02/08/18. L.C Amendment-30/04/2019

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										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
4	URP-DNCC/ G-2.4	Specialized Search and Rescue (SAR) Equipment (Personal Protective Equipment or PPE) rescue suit-950 Nos., Chemical suit-30 Nos., Search light-900 Nos)	Nos.	FSCD	Rescue suit-950, Chemical suit-30, Search light-900	2254.48	920.29	OTM (ICB)	Yes				4-Jun-18	30-Jan-19	20-Mar-19	National Fire Fighting Manufacturing FZCO, Dubai (Zara Trading)	100%	Work completed. (LC opened on 28/06/18. LC Amendment-7/3/19)
5	URP-DNCC/ G-2.5	Specialized Search and Rescue (SAR) Equipment (Rescuer Tools and Drone) for FSCD.	Nos.	FSCD	3	26.51	19.71	OTM (NCB)	No				6-Aug-18	20-Nov-18	20-Nov-18	A.K Buyan & Ko:	100%	Work completed.
6	URP-DNCC/ G-2.6	Supply of Specialized Search and Rescue Equipment for city corporation(Lot-1: Ambulance)	Nos.	DNCC/ DSCC	10	1053.51	979.16 (1180000 $)	OTM (ICB)	Yes				31-Jan-18	7/30/2018, 11/30/2018, 7/30/2019	6-Oct-19	Imrah Auto SDNBID, Malaysia(Sohel Enterprise)	100%	Waiting for Delivery. Arrived in port. LC opened on 20/02/2018. L.C Amendment-08/01/19
7		Supply of Specialized Search and Rescue Equipment for city corporation (Lot-2: Mortuary Van)	Nos.	DNCC/ DSCC	4	339.58	288.77(348000 $)	OTM (ICB)	Yes				31-Jan-18	7/30/2018, 10/30/2018	15-Dec-18	Imrah Auto SDNBID, Malaysia(Sohel Enterprise)	100%	Work completed.
8	URP-DNCC/ G-2.7	Procurement of Search and Rescue Equipment (SAR) for City Corps	Nos.	DNCC/ DSCC	10 Set X 53 nos Item	118.87	97.599	OTM (NCB)	No				17-Jan-18	20-Jun-18	20-Jun-18	Sohan Enterprise	100%	Work completed.
9	URP-DNCC/ G-2.8	Rescuer Carrying Vehicle (7.5 Ton Truck) for FSCD-06 trucks	Nos.	FSCD	6	488.97	336.00	OTM (NCB)	No				31-Jan-18	5/23/2018, 7/12/2018, 8/10/2018	13-Sep-18	Sohel Engineering & Construction	100%	Work completed. Delivery at FSCD

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amount (Tk in lakh)	Actual Contract Amount (Tk in lakh)	Procedure/ Method	Prior Review (Yes/ No)	Date of Bid Opening		Date of Contract Signing		Date of Delivery		Name of Supplyer	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
10	URP-DNCC/ G-2.9	Procurement of Turn Table Ladders Tender (64m) for FSCD (03 Nos)	Nos.	FSCD	3	3101.99	2880.23	OTM (ICB)	No				16-Sep-18	15-Mar-19	27-Aug-19	S.K Rosenbauer Pte. Ltd. Singapur (M/s. Sadman Associates.	100%	Work completed. LC opened on 01/10/2018. Shipment done on 26/6/2019
11	URP-DNCC/ G-2.10	Procurement of Search and Rescue Equipment Chemical Tender/Hazmat materials	Nos.	FSCD	5	1579.22	1798.23	OTM (ICB)	No			31-Dec-18	31-Mar-19	12/9/2019, 3/31/2020	16-Apr-20	National Fire Fighting Manufacturing FZCO, Dubai (Zara Trading)	100%	Work completed.
12	G-2-11.2	Procurement of Search and Rescue Equipment (Rescue Boat)	Nos.	FSCD	3	988.36	758.55	OTM (ICB)	No	31-Oct-18	28-Mar-19	31-Dec-18	8-Apr-20	4/30/2021, 11/30/2021	N/A	E-pearsion Company Ltd. (Ireland)	on going	LC Opened on 01/6/2020. Shipped within July 2021. Time extened on 30/11/2021 but supplyer requests for March-2022
13	URP-DNCC/ G-3	Procurement of Heavy Equipment (Lot-1: Crane)	Nos.	cc	3	1050	764	OTM (ICB)	Yes				29-Oct-17	30-Jun-18	9-Aug-18	Ecom Trade Holdings Pte Ltd, Singapore (Ecom Trade International)	100%	Work completed.
14		Procurement of Heavy Equipment (Lot-2: Wheel Type Excavator)	Nos.	CC	3	900	517.11	OTM (ICB)	Yes				29-Oct-17	6/28/2018, 8/28/2018	7-Nov-18	Hidromek, Turkey (Sohel Enterprise)	100%	Work completed.
15		Procurement of Heavy Equipment (Lot-3: Chain Type Excavator)	Nos.	CC	3	900	303.33	OTM (ICB)	Yes				24-Jan-18	23-Sep-18	24-Oct-18	Cosmos Inter. Ltd, India (CSL projects Ltd.)	100%	Work completed.

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amount (Tk in lakh)	Actual Contract Amount (Tk in lakh)	Procedure/ Method	Prior Review (Yes/ No)	Date of Bid Opening		Date of Contract Signing		Date of Delivery		Name of Supplyer	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
16		Procurement of Heavy Equipment (Lot-4: Dozer)	Nos.	CC	3	1350	821.88	OTM (ICB)	Yes				29-Oct-17	28-Jun-18	11-Sep-18	Belazia PTE Ltd., Singapore (Bismillah Traders)	100%	Work completed.
17	URP-DNCC/ G-4.3	Procurement of Motor cycle	Nos.	CC	4	7.2	6.2	OTM (NCB)	No		6-Dec-17		18-Apr-18	17-May-18	17-May-18	TVS Auto Bangladesh Ltd.	100%	6.2
18	G-6.4 A	Procurement of Furniture for Ware house.	Nos.	CC		70.36	66.75	OTM (NCB)					17-Jan-18	15-Jun-18	16-Jun-18	M/S. Shahjahan Enterprise.	100%	66.75

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amont (Tk in lakh)	Actual Contract Amont (Tk in lakh)	Procedure/ Method	Date of Proposals Submission		Date of Contract Signing		Date of Completion		Name of Consultant/ Firm	Progress *[%]*	Remarks
									Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	9	10	11	12	13	14	15	16	17	18	19
Service contracts																	
1	URP-DNCC/S-1	Individual Consultant as Procurement Specialist (National)	Person	PIU,DNCC	1	240.00	177.88	OTM (NCB)				20-Apr-16		31-Aug-18	Mr. Munir Siddiquee	100%	Work completed.
2	URP-DNCC/S-1a	Individual Consultant at procurement Specialist(National)	Person	PIU,DNCC	1	157.25	69.92	OTM (NCB)				13-Dec-18	30-Jun-20		Engr. Md. Abdul Halim		Work is ongoing.
3	URP-DNCC/S-2	Individual Financial Management Consultant and Planning Specialist (National)	Person	PIU,DNCC	1		160.22	OTM (NCB)				7-Feb-16			Mr. Nasir Ahmed	100%	Work completed.
4	URP-DNCC/S-2a	Individual Financial Management Consultant and Planning Specialist (National)	Person	PIU,DNCC	1	240.00	113.38	OTM (NCB)				13-Nov-17	30-Jun-20	30-Sep-19	Mr. Abdul Hamid	100%	Work completed.
4	URP-DNCC/S-2B	Individual Financial Management Consultant and Planning Specialist (National)	Person	PIU,DNCC	1	125.26	125.26	OTM (NCB)				21-Oct-19	6/30/2020, 4/30/2022		Michael Gomes		Work is ongoing.
5	URP-DNCC/S-3	Individual Consultant for international search & rescue Expert.	Person	PIU,DNCC	1	280.00	321.97	OTM (ICB)				1-Jun-16	6/30/2020, 6/30/2021		Mr. Trevor Glass		Work is ongoing.
6	URP-DNCC/S-4	Individual Consultant for International as Information & Communication Technology (ICT) Expert	Person	PIU,DNCC	1	280.00	255.72	OTM (ICB)				1-Jun-16	30-Jun-20		Mr. Levent Gerdan		Work is ongoing.
7	URP-DNCC/S-5.2	Individual Consultant (Short-term)for ICT.	Person	PIU,DNCC	1	69.97	69.97	OTM (NCB)				15-Jan-17	1/14/2019, 1/14/2020, 4/30/2022		Md. Akramul Haque Chowdhury		Work is ongoing.

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amont (Tk in lakh)	Actual Contract Amont (Tk in lakh)	Procedure/ Method	Date of Proposals Submission		Date of Contract Signing		Date of Completion		Name of Consultant/ Firm	Progress *[%]*	Remarks
									Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	9	10	11	12	13	14	15	16	17	18	19
8	URP-DNCC/S-5.3	Individual Consultant (Short-Term) for Junior Procurement Specialist	Person	PIU,DNCC	1	68.26	68.26	OTM (NCB)				24-May-17	11/22/2019, 4/30/2022		Md. Nowshad Alam	100%	Work completed.
8	URP-DNCC/S-5.3b	Individual Consultant (Short-Term) for Junior Procurement Specialist	Person	PIU,DNCC	1	23.65	68.26	OTM (NCB)				30-Sep-19	8/3/2020, 4/30/2022		Md. Nowshad Alam		Work is ongoing.
9	URP-DNCC/S-6	Design & supervision consultancy for outfit DRM facilities in Dhaka & Sylhet.		PIU,DNCC	1	100.00	113.52	OTM (NCB)				8-Feb-17	30-Jun-19		Environ Structure Ltd.		Work is ongoing.
10	URP-DNCC/S-7	GIS- Phase 1: Need Assesment for Implementation of GIS Infrastructure in the Urban Resilience Project.		PIU,DNCC		150.00	130.78	OTM (NCB)				11-Mar-19	10-Jul-19		Streams Tech Ltd. Bangladesh		Progressing of Tender Evaluation
11	URP-DNCC/S-8	Enhancement the effectiveness of DRR Emergency Warehouse		PIU,DNCC		129.95		OTM (ICB)				31-Jan-19	13-Jan-20	29-Dec-19		100%	Work completed.
12	URP-DNCC/S-9	Preparation of GIS based Maps (Ward Level) at DNCC, DSCC & SCC.		PIU,DNCC		1598.10	977.42	OTM (NCB)		11-Apr-19		29-Jul-20	10/30/2020, 10/28/2021		Joint Venture of (1) Center for Environmental and Geographic informaion Servicess (Lead). (2) Streams Tech Ltd.	on going	Work Ongoing. Inception Report, Midterm Report (3 Oct,2021) delivered to DNCC, Final Base Map Report work on-going
13	URP-DNCC/S-10	Sub soil exploration and testing at different location under FSCD		PIU,DNCC	10							24-Oct-20	30-Nov-19	24-Nov-19	Contemporary Engineering Ltd.	100%	Work completed.

Sl. No	Contract Package Number	Contract Description	Unit	For Agency	Qty/ Nos.	Estimated Contract Amont (Tk in lakh)	Actual Contract Amont (Tk in lakh)	Procedure/ Method	Date of Proposals Submission		Date of Contract Signing		Date of Completion		Name of Consultant/ Firm	Progress *[%]*	Remarks
									Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	9	10	11	12	13	14	15	16	17	18	19
14	URP-DNCC/S-11	Sub soil exploration and testing at different location for construction of Green Field Tower under DNCC, DSCC & SCC.		PIU,DNCC	8							7-Jan-20	30-Jan-20	5-Feb-20	Contemporary Engineering Ltd.	100%	Work completed.
	URP-DNCC/S-14	Consultancy Services for Construction Supervision of Greenfield Tower under DNCC, DSCC, SCC and FSCD		PIU,DNCC	1	24.96	21.40					13-Sep-21	12-Mar-22		Environ Structure Ltd.		Under Process
15	URP-DNCC/NCS-1	Procurement of Pre- shipment Inspection company.		PIU,DNCC	1	100.64	103.92	OTM (NCB)				24-Jan-18	6/30/2020, 4/30/2022		Bureau Veritas Bangladesh		Work Ongoing.
16	URP-DNCC/NCS-2	Procurement of C & F Agent.		PIU,DNCC	1	325.00	125.00	OTM (NCB)				25-Jan-18	6/30/2020, 4/30/2022		Jems International		Work is ongoing.

Procurement Plan of RAJUK Part

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated Price (Taka in lakh)	Actual Contract Price (in lakh Taka)	Procedure/ Method	PPA/ BG	Prior Review[2] (Yes / No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor/Consultant/Supplier	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Works Contract																		
1	URP/RAJUK/W-1	URP/RAJUK/W-1 / Construction of 10 Storied plus 2 Basements Office Building with Research, Training and Testing Laboratory Facilities for Urban Resilience Unit, RAJUK	Nos.	1	1206675178.14524	1149999833.87						20-Oct-20		30-Apr-22		China State Construction Engineering Corporation Ltd. Country: China (According to NOA)		**Signed**
2	URP/RAJUK/W-1A	Construction of Shed ,Partition and supportive Accessories for Accommodation of PIU Office Security	Nos.	1	12,987.00		RFQ		No									**Cancelled**
3	URP/RAJUK/W-1B	Renovation of office utility Space at Level 9	Nos.	1	12,990.00		RFQ		No									**Cancelled**
4	URP/RAJUK/G-W1C /	Renovation of Wash room and others Space at Level 9	Nos.	1	12,990.00		RFQ		No									**Cancelled**
5	URP/RAJUK/W-2A /	Renovation of Wash Rooms PIU Office			1986606.92	1985000.35							01-Jul-20		01-Jul-20	ZS Construction Country: Bangladesh	90%	**Signed**
6	URP/RAJUK/W-2 /	Refurbishment of PIU Office and Renovation of Utility Spaces	Nos.	1	7515712.22	7412897.946	OTM (e-GP)					29-Oct-20		30-Jan-21		Formila Akther Country: Bangladesh		**Signed**
Goods Contract																		

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated Price (Taka in lakh)	Actual Contract Price (in lakh Taka)	Procedure/ Method	PPA/ BG	Prior Review[2] (Yes / No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor/Consultant/Supplier	Progress [%]	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	(Package No. URP/RAJUK/G-1A)	Mail Domain and its Accessories Purchase & Installation for Emergecy Office use of PIU			500,000.00	476,000.00	RFQ						20-Jun-16		26-Jun-16	Prime Net Ltd. Country: Bangladesh		
2	(Package No. URP/RAJUK/G-1B)	Supply of One in All Computers, Printers and Scanners for Emergecy Office use of PIU			500,000.00	483,000.00	RFQ						20-Jun-16		23-Jun-16			
3	(Package No. URP/RAJUK/G-1C)	Supply of PhotoCopier Machine for Emergency Office Use of PIU			500,000.00	475,000.00	RFQ						20-Jun-16		23-Jun-16			
4	(Package No. URP/RAJUK/G-1D)	Supply of All in Computer and Laptops for Emergecy Office use of PIU			500,000.00	498,000.00	RFQ						01-Sep-16		07-Sep-16			
5	(Package No. URP/RAJUK/G-2A)	Supply of Stationery Goods for Emergency Office Use of PIU			500,000.00	491,000.00	RFQ						31-Aug-16		05-Sep-16			
6	(Package No. URP/RAJUK/G-2B)	Supply of Stationery for Emergency Office Use of PIU			499,840.00	494,810.00	RFQ						24-Dec-18		31-Dec-18	Aun-Nafi Stationery & Computer Country: Bangladesh		
7	(Package No. URP/RAJUK/G-2C)	Supply of Office Goods for Emergency Office Use of PIU			498,960.00	492,800.00	RFQ						24-Dec-18		31-Dec-18	Aun-Nafi Stationery & Computer Country: Bangladesh		
8	(Package No. URP/RAJUK/G-2D)	Supply of Office Goods-1 for Emergency Office Use of PIU			499,900.00	489,800.00	RFQ						24-Nov-19		24-Dec-19	Mission Computer & Technology Country: Bangladesh		
9	(Package No. URP/RAJUK/G-2E)	Supply of Office Stationery-1 for Emergency Office Use of PIU			499,382.00	496,990.00	RFQ						09-Mar-20		16-Mar-20	Khaza Variety Store Country: Bangladesh		

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated Price (Taka in lakh)	Actual Contract Price (in lakh Taka)	Procedure/ Method	PPA/ BG	Prior Review[2] (Yes / No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor/Consultant/Supplier	Progress [%]	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
10	(Package No. URP/RAJUK/G-2F)	Supply of Office Stationery-2 for Emergency Office Use of PIU			499,198.00	497,100.00	RFQ						31-May-21	07-Jun-21		Saddam Stationary Country: Bangladesh		
11	(Package No. URP/RAJUK/G-3A	Vehicle Maintenance (Service with Accessories) of URP: RAJUK Part)			498,220.00	494,200.00	RFQ						10-Feb-21	09-Aug-21		M R Auto Care Country: Bangladesh		
12	(Package No. URP/RAJUK/G-3B)	Vehicle Maintenance (Tyre) of URP: RAJUK Part			495,900.00	493,000.00	RFQ						18-Feb-21	17-Aug-21		M R Auto Care Country: Bangladesh		
13	(Package No. URP/RAJUK/G-4A)	Supply of Office Furniture for Emergency Office Use of PIU			500,000.00	491,000.00	RFQ						23-Jun-16	26-Jun-16				
14	(Package No. URP/RAJUK/G-4B)	Supply of Office Furniture for Emergency Office Use of PIU			500,000.00	492,000.00	RFQ						16-Aug-16	21-Aug-16				
15	G-1-1	Supply of Computer and Related Equipment for PIU ,URP:RAJUK	Nos.	1	194,810.00		NCT, OTM	Bank Guideline	No		19.04.2018	9.8.2018	20.6.2018	9.8.2019		Smart Technologies Ltd		
16	G-3-1	Procurement of Motor Vehicle for PIU of URPRAJUK-Phase1 : i) 1no 4WD Sports Utility Vehicle ii) 4 nos Double Cabin 4WD Pickup and iii) 1 no Microbus	Nos.	1	448,050.00		NCT, OTM	Bank Guideline	No		09.04.2018	19.5.2018	6.6.2018	19.5.2019		Navana		
17	G-3-2	Procurement of Motor Vehicle for PIU of URPRAJUK-Phase2 : i) 1no 4WD Sports Utility Vehicle ii) 5 nos Double Cabin 4WD Pickup and iii) 3 no Microbus	Nos.	1	629,870.00		NCT, OTM	Bank Guideline	No		16.04.2018	21.6.2018	6.6.2018	21.6.2019		Navana		
18	G-4	Supply of Furniture for PIU office	Nos.	1	389,610.00		NCT, OTM	Bank Guideline	No		06.06.2018	4.6.2018	29.7.2018	4.6.2019		Hatil		

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated Price (Taka in lakh)	Actual Contract Price (in lakh Taka)	Procedure/ Method	PPA/ BG	Prior Review[2] (Yes / No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor/Consultant/Supplier	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
19	G-12	Procurement of Seismic Lab Equipment of URU					ICB/OTM	Bank Guideline	Yes	20.02.2019		15.03.2019		15.10.2019				
20	G-13	Procurement of Seismic Lab Equipment of URU					ICB/OTM	Bank Guideline	Yes	04.03.2019		25.03.2019		25.10.2019				
21	G-14	Variable Refregerant Flow (VRF) Air Conditioning System Supply and Installation for the Renovation Work of URP, RAJUK			9100700	9118701.01						10-Dec-18		11-Mar-19				
22	G-15	Procurement of Field Equipment for Vulnerability Assessment Aspect of Structures & Geo-physics					ICB/OTM	Bank Guideline	No	25.02.2019		25.03.2019		25.10.2019				
23	URP/RAJUK/G-17	URP/RAJUK/G-17 / Procurement of Equipment for Exploration of RSLUP Profile: 200 kN Truck Mounted CPT Equipment										26-Jan-20		24-Jul-20		M/S Sarker Kabir Ahmed Country: Bangladesh		
24	URP/RAJUK/G-18-1	URP/RAJUK/G-18-1 / Supply & Installation of PA System, Telecommunication, Access Control & Security and General Electrical Equipment for PIU Office										03-Jun-20		01-Sep-20		Optimal Technology (Pvt.) Ltd. Country: Bangladesh		
25	URP/RAJUK/G-19-1	URP/RAJUK/G-19-1 / Procurement of Motorcycle for PIU of Urban Resilience Project: RAJUK Part										18-Aug-20		16-Nov-20		Rancon Motor Bikes Limited Country: Bangladesh		

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated Price (Taka in lakh)	Actual Contract Price (in lakh Taka)	Procedure/ Method	PPA/ BG	Prior Review[2] (Yes / No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor/Consultant/Supplier	Progress [%]	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
26	URP/RAJUK/G-20-1	URP/RAJUK/G-20-1 / Procurement of ICT Equipment for Deploying Electronic Construction Permitting (ECP) System in RAJUK										19-Aug-20		17-Dec-20		Smart Technology (BD) Ltd. Country: Bangladesh		
27	URP/RAJUK/G-21	URP/RAJUK/G-21 / Supply of Smart IT Equipment & Office Machinery										10-Jun-21		08-Sep-21		Smart Technology (BD) Ltd. Country: Bangladesh		
28	URP/RAJUK/G-24	URP/RAJUK/G-24 / Procurement of Equipment: Cutter Crane with 10 inch RCC Slab Cutting Capacity & 3.65 Ton Lifting Capacity										07-Feb-21		06-Aug-21		M/S Sarker Kabir Ahmed Country: Bangladesh		
Services Contract																		
Consulting Service																		
1	URP/RAJUK/S-1)	Senior Procurement Specialist	Nos.	1	-	22,419,140.00	OTM	BG	Yes			05-May-16		30-Jun-20		Md. Mahboob Hassan		
2	URP/RAJUK/S-2)	Senior Financial Management and Planning Specialist	Nos.	1	-	22,419,140.00	OTM	BG	Yes			05-May-16		30-Jun-20		Md. Shahjahan		
3	URP/RAJUK/S-3)	Procurement Specialist	Nos.	1	162,337.66	9,335,700.00	LTM	BG	No			01-Jul-18	01-Jul-18	30-Jun-20		Md. Saifur Rahman Joarder		
4	URP/RAJUK/S-4)	Consultancy Services for Vulnerability Assessment and Prioritized Investment Plan for Critical Assets in Dhaka	Nos.	1	6781520.00	USD 3,713,637.50 BDT 377,020,312.50 (BDT 677,825,000.00	QCBS	BG	Yes			18-Apr-18		30-Jun-20		NKY Architectural and Engg. Co. (Turkey) Protek Yapi Engineering Co. (Turkey) Sheltech (Pvt.)		

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated Price (Taka in lakh)	Actual Contract Price (in lakh Taka)	Procedure/ Method	PPA/ BG	Prior Review[2] (Yes / No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor/Consultant/Supplier	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
						USD 8,257,145.71 1 USD = 82.98 BDT)										Limited (Bangladesh)		
5	URP/RAJUK/S-5)	Consultancy Services for Development of a Risk-sensitive Land Use Planning (RSLUP) practice	Nos.	1	6,296,550.00	USD 3,573,625.00 BDT 302,724,687.50 (BDT 592,010,000.00 USD 7,221,789.47 1 USD = 82.98 BDT)	QCBS	BG	Yes			5/1/2018		6/30/2020		NKY Architectural and Engg. Co. (Turkey) Protek Yapi Engineering Co. (Turkey) Sheltech (Pvt.) Limited (Bangladesh)		
6	URP/RAJUK/S-6)	Consultancy Services to Operationalize the URU in RAJUK	Nos.	1	3522730.20	USD 5,110,247.81 (BDT 424,048,000.00 1 USD = 82.98 BDT	QCBS	BG	Yes			23.3.2018		30.6.2020		RTI International (USA)		
7	URP/RAJUK/S-7)	Assess Current Status and Deployment of web-based Integrated Information Management System for RAJUK's Construction Permit System	Nos.	1	1998260.00	USD 5,788,100.94 (BDT 480,296,000.00 1 USD = 82.98 BDT)	QCBS	BG	Yes			23.3.2018		30.6.2020		RTI International (USA)		
8	URP/RAJUK/S-8)	Consultancy Services for Professional Accreditation Program in RAJUK	Nos.	1	3542210.00	USD 998,815.25 (BDT 84,704,527.28 1 USD =	QCBS	BG	Yes			8.4.2018		30.6.2020		N/A		

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated Price (Taka in lakh)	Actual Contract Price (in lakh Taka)	Procedure/ Method	PPA/ BG	Prior Review[2] (Yes / No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor/Consultant/Supplier	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
						84.805 BDT)												
9	URP/RAJUK/S-9)	Consultancy Services for Building Code Enforcement	Nos.	1	324260.00	USD 4,805,526.56 (BDT 398,762,000.00 1 USD = 82.98 BDT)	QCBS	BG	Yes			13.6.2018		30.6.2020		ICC & SDE		
10	URP/RAJUK/S-11)	Consultancy Services for Design and Supervision of RAJUK URU Building including Research, Training, and Testing Laboratory facility	Nos.	1	2,425,950.00	USD 1,323,270.79 BDT 141,404,000.00 (BDT 248,457,000.00 USD 3,071,157.08 1 USD = 80.90 BDT)	QCBS	BG	Yes			1.5.2018	16.8.2018	30.6.2020		STRUCTURAL ENGINEERS SEC (USA) in accociation with BAUM ARCHITECTS INC BAUM ARCHITECTS INC (South Korea) In accociation with THE PLANNERS AND ENGINEERS LTD. (Bangladesh)		
11	URP/RAJUK/S-13)	Environmental Safeguards and Environmental Impact Assessment (EIA) of proposed 30-story URU Building for RAJUK	Nos.	1	1,558.00		QCBS	BG	No			30.6.2018		27.12.2018				
12	URP/RAJUK/S-14)	Consultancy Services for the Designing Website & Archiving Project Documents for URU, RAJUK	Nos.	1		2,862,222.22	CQS	BG	No			04-Apr-19		30-Jun-20		TechnoVista Limited Country: Bangladesh		

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated Price (Taka in lakh)	Actual Contract Price (in lakh Taka)	Procedure/ Method	PPA/ BG	Prior Review[2] (Yes / No)	Date of Bid Opening		Date of Contract Signing		Date of Completion		Name of Contractor/Consultant/Supplier	Progress *[%]*	Remarks
										Planned Date	Actual Date	Planned Date	Actual Date	Planned Date	Actual Date			
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**
13	URP/RAJUK/S-15)	Environmental Impact Assessment for Proposed 30 Storied Building of Urban Resilience Unit (Package No. URP/RAJUK/S-15)				7,501,136.36						5/30/2019		8'/28/2019	3/30/2020	Bureau of Research, Testing & Consultation (BRTC), BUET Country: Bangladesh		
Non-consulting service																		
1	URP/RAJUK/NCS-1)	Hiring of Leased Lines for the Project Pilot Sites to facilitate the Networking Infrastructure Supporting of the ECP System			905,000.00	165,606.00						22-Dec-19	01-Jul-20	30-Jun-20	30-Dec-20	Link3 Technologies Ltd. Country: Bangladesh	100 %	
2	URP/RAJUK/NCS-2)	Hiring of Leased Lines for the RAJUK Zonal Offices to Facilitate the Networking Infrastructure Supporting of the ECP System.			2,146,616.00	2,144,926.00						27-Aug-20		30-Apr-22		Link3 Technologies Ltd. Country: Bangladesh		

Procurement Plan of DDM Part

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated price (taka in Lac)	Actual contract price (taka in Lac)	Procedure/ Method	PPA/BG	Prior Review (Yes/ No)	Date of Bid opening		Date of contract signing		Date of completion		Name of Contractor/ Consultant/ Supplier	Progress (%)	Remarks
										Planned date	Actual date	Planned date	Actual date	Planned date	Actual date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Works contract																		
1	BD-DDM-44875-GO-RFB	Renovation of the facility that would house ERCC	Sft	9000	540							30-Sep-18	No	N/A		N/A	00	Received Design approval from MoDMR on 05/12/18 & now on process to obtain approval of DG- DDM on BOQ & tender documents as it was reviewed in the last PIC meeting held on 21/01/19.
2	BD-DDM-44877-GO-RFB	Renovation of the facility that would house NDMRTI	Sft	9000	360							30-Sep-18	no	N/A		N/A	00	Received Design approval from MoDMR on 16/10/18 & now in process to prepare BOQ & floating tender.
Goods Contract																		
1	URP/DDM/G-1	Procurement of Jeep for PIU.	Nos	1	65.51		OTM (NCB)	PPA					30/01/2017	9/2/2017	9/2/2017	Pacific Motors	100%	
2	URP/DDM/G-3.2	Procurement of office Equipment(Air Cooler)	Nos	6	4.9245		OTM (NCB)	PPA					26/06/2016	14/02/17	14/02/17	Confidence Refrigeration & Electric Engineering	100%	

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated price (taka in Lac)	Actual contract price (taka in Lac)	Procedure/ Method	PPA/BG	Prior Review (Yes/ No)	Date of Bid opening		Date of contract signing		Date of completion		Name of Contractor/ Consultant/ Supplier	Progress (%)	Remarks
										Planned date	Actual date	Planned date	Actual date	Planned date	Actual date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
3	URP/DDM /G-3.3	Office Equipment(Photocopier-1 & UPS-01)	Nos	1	4.47		OTM (NCB)	PPA					26/06/2016	14/02/17	14/02/17	M/S. Niloy Traders	100%	
4	URP/DDM /G-4.2	Computer-04 & related service(Scanner-01, UPS-04 & Windows-8.1 software-04)	Nos	9	4.5		OTM (NCB)	PPA					21/12/2016	4/1/2017	4/1/2017	S. J Computers	100%	
5	URP/DDM / G-4.30	Computer-04 & related service(Printer-05, Multi media projector-01)	Nos	10	4.78375		OTM (NCB)	PPA					21/12/2016	4/1/2017	4/1/2017	Net Link Communication	100%	
6	URP/DDM /G-6.2	Procurement of Furniture (Conference table-01, Table- PD, DPD, APD, Consultant)	Nos	7	4.5		OTM (NCB)	PPA					21/12/2016	4/1/2017	4/1/2017	Faruque Enterprise	100%	
7	URP/DDM / G-6.3	Procurement of Furniture (Chair-39)	Nos	39	4.57		OTM (NCB)	PPA					21/12/2016	4/1/2017	4/1/2017	M & M Enterprise	100%	

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated price (taka in Lac)	Actual contract price (taka in Lac)	Procedure/ Method	PPA/BG	Prior Review (Yes/ No)	Date of Bid opening		Date of contract signing		Date of completion		Name of Contractor/ Consultant/ Supplier	Progress (%)	Remarks
										Planned date	Actual date	Planned date	Actual date	Planned date	Actual date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
8	URP/DDM/G-6.4	Procurement of Furniture(Sofa, File Cabinet, Almirah etc.)	Nos	34	4.56		OTM (NCB)	PPA					21/12/2016	4/1/2017	4/1/2017	Shanta Traders	100%	
9	BD-DDM-44874-GO-RFQ	Procurement of Tele communication equipment(PABX, PA system, Fax, Land phone etc.)	Nos	10	6.35		OTM (NCB)	PPA					21/06/18	27/06/18	27/06/18	Multi star Technologies	100%	
10	BD-DDM-44873-GO-RFB	Procurement of Micro-bus for NDMRTI & ERCC	No	4	170.2		OTM (NCB)	PPA					24/07/18	26/06/18	26/06/18	Navana Motors	100%	
services contract																		
1	URP/DDM/S2	Financial Management Specialist (FMS)	Month	60	195.82		OTM (NCB)	PPA					1/1/2016	30/06/2020	On going	Md. Mosharaf Hossain	41.67 %	
2	URP/DDM/S1	Procurement Specialist (PS)	Month	30	117.52		OTM (NCB)	PPA					1/1/2016	24/11/2018	On going	Md.Hasan Jahid	83.33 %	Contract of PS was over on 25/11/18 & DDM already got approval of his service extension 03 months (up to 25/02/19) from MoDMR.

Sl. No.	Contract Package Number	Contract Description	Unit	Qty/ Nos.	Estimated price (taka in Lac)	Actual contract price (taka in Lac)	Procedure/ Method	PPA/BG	Prior Review (Yes/ No)	Date of Bid opening		Date of contract signing		Date of completion		Name of Contractor/ Consultant/ Supplier	Progress (%)	Remarks
										Planned date	Actual date	Planned date	Actual date	Planned date	Actual date			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
3	BD-DDM-29946-CS-QBS	Training, Exercise and Drills Program	LS	LS	10478.7		OTM (NCB)	PPA					19/11/2018	30-Jun-20		REM-Australia & DTCL (Dhaka)		DDM got approval of TED program from MoDMR on 13/11/18 & contract signed on 19/11/18.
4	URP/DDM/S-5	D&S Consultant (DDC)	Month	12	30		OTM	PPA					31/01/2018	30/01/2019	Ongoing	DDC		
5	BD-DDM/S-4	Feasibility study of 2nd phase of URP	LS	LS	77.92			PPA				1-May-19	--	30-Mar-20				

Basic Description	Equipment	Unit	FSCD (Dhaka)		FSCD (Sylhet)		DNCC		DSCC		SCC		DDM	
			Proposed in DPP	Status/ delivered	Proposed in DPP	Status/ delivered	Proposed in DPP	Status/ delivered	Proposed in DPP	Status/ delivered	Proposed in DPP	Status/ delivered	Proposed in DPP	Status/ delivered
VHF Communication Equipment	DMR Portable Radio	Pcs	550	Delivered			320	Delivered						
	DMR ATEX Portable Radio	Pcs	50				10							
	DMR Fixed Desktop Radio	Pcs	70				20							
	DMR Mobile (Vehicle) Radio	Pcs	255				176							
	Satellite Phones	Pcs					5							
HF Communication Equipment	HF Fixed Radio	Pcs	150	Delivered										
	HF Mobile (Vehicle) Radio	Pcs	65											
	HF Man pack Radio	Pcs	65											
DMR Tier 3 simulcast trucking radio communication System switch/Simulcast network controller	Simulcast network controller	Set	1	Delivered										
	DMR Base station controller	Pcs	112											
	DMR simulcast Base station	Pcs	270											
	Network Management system	Set	2											
	Computer based Dispatch Server	Pcs	2											
	Dispatch & AVL client computer & software	Set	5											
	Radio terminal licenses	Pcs	3000											
	UPS backup system	Pcs	112											
	Satellite Phones	Pcs	10											
UHF Communication Equipment	DMR Portable Radio	Pcs							400	Delivered	150	Delivered		
	DMR Fixed Desktop Radio	Pcs							5		32			
	DMR Mobile (Vehicle) Radio	Pcs							15		25			
	DMR ATEX Portable Radio	Pcs									32			
	satellite Phones	Pcs							2		12			
	DMR simulcast system switch /Simulcast network controller	Pcs					1	Delivered	1	Delivered	1	Delivered		

Basic Description	Equipment	Unit	FSCD (Dhaka)		FSCD (Sylhet)		DNCC		DSCC		SCC		DDM	
			Proposed in DPP	Status/ delivered	Proposed in DPP	Status/ delivered	Proposed in DPP	Status/ delivered	Proposed in DPP	Status/ delivered	Proposed in DPP	Status/ delivered	Proposed in DPP	Status/ delivered
UHF Communication Network	DMR Base station controller	Pcs					11		11		5			
	DMR simulcast Base station	Pcs					22		22		10			
	Radio terminal licenses	Pcs					320		400		300			
For C&CC/EOC /NDRCC & NDMRTI	Video wall screen	Pcs	20	Not Delivered	24	Not Delivered	54	Not Delivered	63	Not Delivered	30	Not Delivered	18	Not Delivered
	Teleconference system	Set	1		1		1		1		1		1	
	Broadcasting system	Set	2		2		2		2		2		2	
	IT System:	Pcs												
	Server Blade	Pcs	6		6		6		6		6		6	
	Laptop	Pcs	60		60		60		80		70		50	
	Local area network system (LAN)	Set	1		1		1		1		1		1	
	Wireless Neatwork system	Set	1		1		1		1		1		1	
	IP Camera	Pcs	1		1		32		16		16		16	
	Server virtualization software	Pcs	1		1		1		1		1		1	
	Network Management system(NMS)	Set	1		1		1		1		1		1	
	Video conferencing system (VCS)	Set	1		1		1		1		1		1	
	Interactive Touch screen	Set	4		4		3		4		1		6	
	Access contril system	Pcs	20		20		10		10		10		8	
	Touch Screen Kiosk Terminal (TKT)	Pcs	10		10		4		5		7		3	
	Portable Sound system(PSS)	Set	2		2		2		2		1		2	
	Vedio Display	Set	7		5		8		8		6		18	
	Automatoc Fire Suppression System (AFSS)	Set	1		1		1		1		1		1	
For Wire House equipment	Laptop, CC Camera, CCTV etc	Set						Delivered		Delivered				

Sl. No	Description	Agency	Qty	Unit	Present Location	Status
Procurement done						
1	SAR Emergency Tenders	FSCD	22	Nos		
2	Water Rescue vehicle and boat	FSCD	05	Nos		
3	Breathing Apparatus (Fire Fighting Vehicle)	FSCD	06	Nos		
4	Personal Protective Equipment or (PPE) for FSCD	FSCD		Nos		
	a) Rescue suit-950 Nos		950	Nos		
	b) Chemical suit-30 Nos		30	Nos		
	c) Search light		900	Nos		
5	Rescuer Tools and Drone	FSCD	03	Nos		
6	Ambulance	DNCC & DSCC	10	Nos		
7	Mortuary Van for DNCC & DSCC-04 Nos	DNCC & DSCC	04	Nos		
8	Rescue Equipment (SAR)	DNCC & DSCC	10	Set		
9	Rescuer Carrying Vehicle (7.5 Ton Truck).	FSCD	06	Nos		
10	Turn Table Ladders (64m)	FSCD	03	Nos		
11	Hazmat materials (Equipped Vehicle)	FSCD	05	Nos		
12	Crane	DNCC, DSCC & SCC	03	Nos		
13	Wheel Type	DNCC, DSCC & SCC	03	Nos		
14	Chain Type Excavator	DNCC, DSCC & SCC	03	Nos		
15	Dozer	DNCC, DSCC & SCC	03	Nos		
Due to Procurement						
16	Rescue Boat for FSCD - 03 Nos	FSCD	03	Nos		

Delivery completed for following equipment of Urban Resilience Unit (RAJUK part)

Sl. No	Description	Unit	Qty
Seismic lab equipment for URU (G-12)			
1	Cyclic Universal Testing Machine (Capacity: 600 kN)	Nos.	1
2	Universal Testing Machine (2000 KN)	Nos.	1
3	Universal Testing Machine (Capacity: 600 kN)	Nos.	1
4	Cyclic Triaxial Test	Nos.	1
5	Cross-Hole Seismic Equipment (up to 60 m) with accessories and necessary Software	Nos.	3
6	Static Triaxial System	Nos.	2
7	Automatic Consolidation	Nos.	5
8	Direct and Residual Shear Test Device	Nos.	5
Seismic field equipment for URU (G-13)			
1	Overhead Crane with a capacity of 40 Ton with Double Girder	Nos.	1
2	Fork Lift (5 Ton)	Nos.	1
3	Terrestrial Laser Scanner (TLS) with necessary Software	Nos.	1
4	Parallel Seismic Instruments with ncs. Software	Nos.	2
5	Pile Integrity Tester with necessary Software	Nos.	2
6	Capo Test/Pullout Test Machine with accessor.	Nos.	10

Sl. No	Description	Unit	Qty
7	Microtremor Equipment with 5 Sensors and all necessary accessories	Nos.	2
8	Thermal Imager with Electronic Fungus Free Dry Box and necessary Software for Image Processing	Nos.	50
9	RTK Global Positioning System (GPS) with necessary Software	Nos.	5
Field equipment of VA (G-15)			
1	Rebar Scanner (Cover-meter) with accessories and necessary Software (depth of penetration minimum 12.0 inches)	Nos.	10
2	Rebar Scanner (Cover-meter) with accessories and necessary Software (depth of penetration minimum 6.0 inches)	Nos.	20
3	Ground Penetrating RADAR (GPR) with necessary Software and Accessories	Nos.	2
4	Electrical Resistivity	Nos.	2
5	Ultra-Pulse Velocity Machine	Nos.	10
6	Diamond Core Cutting Machine with all necessary accessories for both dry and wet condition	Nos.	10
Equipment for Exploration of RSLUP Profile (G-17)			
1	Truck mount CPT Equipment (Capacity: 2000 KN)	Nos.	2
ICT equipment for Deploying ECPS (G-20)			
1	Laptop	Nos.	100
2	Tablet for field use	Nos.	150
3	Firewall	Nos.	6
4	Switch with PoE	Nos.	5
5	Access Point with AC Power Injector	Nos.	15
6	Monitor (Minimum 27” Display)	Nos.	30
7	Video Wall Solutions	Nos.	1
8	All in one Multifunction A4/A3 Color Printer, Copier & Scanner	Nos.	12
9	Laser Measuring Device	Nos.	150
10	Docking Station	Nos.	30
11	UPS	Nos.	6
12	USB Keyboard & Mice set	Nos.	30
13	Surge Protector power Strip	Nos.	320
14	LAN Cabling with Power Supply	Lot	6

Annex 6: List of field visits

List of field visits during 3rd quarter of FY 2021-2022

Date	Consultant Name	Location	Activities
19/1/2022	Syed Latif & Zahirul Islam	Project Office, Tongi & Mirpur	Field Visit at Tongi fire station & Mirpur-10 to monitor Construction of Greenfield tower
16/2/2022	Shamsul Arefin, Denar Alam & Zahirul Islam	Gazipur	Visited Gazipur City corporation to participate the outreach campaigning of RAJUK.
24/2/2022	Shamsul Arefin & Zahirul Islam	Mirpur-10	Field Visit at Mirpur-10 to monitor Construction of Greenfield tower
2/3/2022	Shamsul Arefin & Zahirul Islam	Chandpur	Site Visit at Chandpur for monitor of ICT Equipment (DRM Network & Installation Roof top Tower).
3/3/2022	Shamsul Arefin & Zahirul Islam	Lakshmipur	Site Visit at Lakshmipur for monitor of ICT Equipment (DRM Network & Installation Roof top Tower).
12/3/2022	Shaker Ahmed, Syed Latif & Zahirul Islam	Chuadanga fire Station	Field Visit at Chuadanga fire Station to monitor Construction of Greenfield & Roof top tower
13/3/2022	Shaker Ahmed, Syed Latif & Zahirul Islam	Jessore, Jhenaidah fire Station	Field Visit at Jhenaidah fire Station to monitor Construction of Greenfield & Roof top tower
14/3/2022	Shaker Ahmed, Syed Latif & Zahirul Islam	Rajshahi fire Station	Field Visit at Rajshahi fire Station to monitor Construction of Greenfield & Roof top tower
9/1/2022	Denar Alam	URU construction site	Field visit at URU construction site to monitor construction work.
13/2/2022	Shamsul Arefin & Denar Alam	URU construction site	Field visit at URU construction site to monitor construction work.
20/2/2022	Denar Alam	URU construction site	Field visit at URU construction site to monitor construction work.
23/2/2022	Denar Alam	URU construction site	Field visit at URU construction site to monitor construction work.
26/2/2022	Shamsul Arefin & Denar Alam	URU construction site	Field visit at URU construction site to monitor construction work.
1/3/2022	Denar Alam	URU construction site	Field visit at URU construction site to monitor construction work.
7/3/2022	Shamsul Arefin & Denar Alam	URU construction site	Field visit at URU construction site to monitor construction work.

Date	Consultant Name	Location	Activities
13/3/2022	Denar Alam	URU construction site	Field visit at URU construction site to monitor construction work.
16/3/2022	Shamsul Arefin & Denar Alam	URU construction site	Field visit at URU construction site to monitor construction work.
28/3/2022	Denar Alam	URU construction site	Field visit at URU construction site to monitor construction work.

Annex-7: Structural Engineer training program under S-8A package of RAJUK

Session No	Course Topic	Instructor	Number of attendees	Number of PEngs	Number of DMINBs	Number of IEB members	Date	Weekday
1	Introduction to building codes, Introduction to BNBC	Dr. S.K. Ghosh	840	60	165	664	4-Jan-22	Tuesday
2	Electrical Constraction Permit System (ECPS)	Mrs. Nigar Kana	927	56	167	726	6-Jan-22	Thursday
3	Steel-01- Compression Members	Dr. Khan Mahmud Amanat	1050	61	178	791	8-Jan-22	Saturday
4	Steel 02 - Introduction to Seismic Design Concept of Steel Frames	Dr. Khan Mahmud Amanat	1165	60	188	875	9-Jan-22	Sunday
5	BNBC-2020 Parts 6,7; RAJUK's Bidhimala, BC Act, TI Act	Dr. Raquib Ahsan	1186	63	191	902	10-Jan-22	Monday
6	Concrete-01- Material Aspects and Strength Design	Dr. S.K. Ghosh	1242	61	196	932	11-Jan-22	Tuesday
7	Steel-03 - Seismic Design Concepts of Steel Frames	Dr. S.K. Ghosh	1223	62	194	927	12-Jan-22	Wednesday
8	Steel-04 - Floor System for Steel Building	Dr. Khan Mahmud Amanat	1098	57	193	858	15-Jan-22	Saturday
9	Concrete 03- Design of Beams and One-Way Slabs (Shear Design)	Dr. Khan Mahmud Amanat	1142	58	192	891	16-Jan-22	Sunday
10	Concrete 04- Design of Beams and One-Way Slabs (Development Length)	Dr. S.K. Ghosh	1192	64	196	926	17-Jan-22	Monday
11	Concrete 05- Columns	Dr. S.K. Ghosh	1202	67	202	929	18-Jan-22	Tuesday
12	Steel 05- Connections 1	Dr. S.K. Ghosh	1210	65	200	939	19-Jan-22	Wednesday
13	Steel 06- Connections 2	Dr. Khan Mahmud Amanat	1094	57	188	862	22-Jan-22	Saturday
14	Concrete 06- Two Way Slabs (Flexure)	Dr. Khan Mahmud Amanat	1162	63	198	920	23-Jan-22	Sunday

Session No	Course Topic	Instructor	Number of attendees	Number of PEngs	Number of DMINBs	Number of IEB members	Date	Weekday
15	Concrete 07- Two Way Slabs (Shear)	Dr. S.K. Ghosh	1193	65	197	937	24-Jan-22	Monday
16	Concrete 08- Design for Torsion and Non-Seismic Detailing	Dr. S.K. Ghosh	1173	63	199	929	25-Jan-22	Tuesday
17	Concrete 09- Prestressed Concrete	Dr. S.K. Ghosh	1173	64	200	923	26-Jan-22	Wednesday
18	Steel 07- Stability Analysis of Steel Structures	Dr. Nur Yazdani	1066	57	193	848	27-Jan-22	Thursday
19	Steel 08- Stability Analysis of Steel Structures- Part 2	Dr. Khan Mahmud Amanat	1111	62	194	870	29-Jan-22	Saturday
20	Gravity Loading and Analysis	Dr. Khan Mahmud Amanat	1184	64	202	922	30-Jan-22	Sunday
21	Wind Loading and Analysis	Dr. S.K. Ghosh	1203	63	203	938	31-Jan-22	Monday
22	Seismic 01- Earthquakes and Their Effects on Structures	Dr. S.K. Ghosh	1181	62	203	931	1-Feb-22	Tuesday
23	Concrete-02 - Design of Beams and One-Way Slabs (Flexural Design)	Dr. S.K. Ghosh	1192	64	202	941	2-Feb-22	Wednesday
24	Ethics, Engineering Ethics, Duties, Responsibilities & Obligations of Engineers	Engr. Hamidul Hoque	1056	56	186	841	5-Feb-22	Saturday
25	Masonry Structures	Dr. Raquib Ahsan	1163	59	197	927	6-Feb-22	Sunday
26	Seismic 02- Seismic Design by BNBC 2020- Equivalent Lateral Force Procedure	Dr. S.K. Ghosh	1207	62	198	958	7-Feb-22	Monday
27	Seismic 03- Configuration and Structural Irregularity	Dr. S.K. Ghosh	1208	62	202	955	8-Feb-22	Tuesday
28	Seismic 04- Seismic Detailing for Intermediate Moment and Special Moment Frames	Dr. S.K. Ghosh	1176	60	200	942	9-Feb-22	Wednesday

Session No	Course Topic	Instructor	Number of attendees	Number of PEngs	Number of DMINBs	Number of IEB members	Date	Weekday
29	Geotech 01- Geotechnical Design of Foundations	Dr. Md. Zoynul Abedin	1112	59	198	886	12-Feb-22	Saturday
30	Geotech 02- Geotechnical Design of Foundations	Dr. Md. Zoynul Abedin	1155	59	200	916	13-Feb-22	Sunday
31	Seismic 05- Seismic Detailing of Special Shear Walls and Coupling Beams	Dr. S.K. Ghosh	1157	60	202	918	14-Feb-22	Monday
32	Seismic 06- Seismic Design Analysis using Structural Dynamics	Dr. S.K. Ghosh	1161	61	204	931	15-Feb-22	Tuesday
33	Geotech 03- Geotechnical Design of Foundations	Dr. Md. Zoynul Abedin	1014	54	184	833	19-Feb-22	Saturday
34	Geotech 04- Soils and Foundations	Dr. Mehedi Ahmed Ansary	1094	57	192	888	20-Feb-22	Sunday
35	Seismic 07- Seismic Design Considerations Beyond the Basics	Dr. S.K. Ghosh	1064	59	185	870	21-Feb-22	Monday
36	Seismic 08- Nonstructural Components and Nonbuilding Structures	Dr. S.K. Ghosh	1130	62	199	912	22-Feb-22	Tuesday
37	Bridges 01- Preliminary Bridge Design using AASHTO LRFD 2017	Dr. Nur Yazdani	1114	61	197	894	23-Feb-22	Wednesday
38	Existing Buildings -01 -The Basic Concepts	Dr. A. S. Moghadam	1019	54	178	812	26-Feb-22	Saturday
39	Existing Buildings 02 Linear Analyses Procedures	Dr. A. S. Moghadam	1056	52	188	851	27-Feb-22	Sunday
40	Bridges 02- Loads and Flexural Design of Bridges (AASHTO LRFD 2017)	Dr. Nur Yazdani	1051	58	188	847	28-Feb-22	Monday
41	Existing Buildings 03-Nonlinear Analysis Procedures	Dr. A. S. Moghadam	1038	57	185	844	1-Mar-22	Tuesday

Session No	Course Topic	Instructor	Number of attendees	Number of PEngs	Number of DMINBs	Number of IEB members	Date	Weekday
42	Bridges 03- Bridge Deck Design (AASHTO LRFD 2017)	Dr. Nur Yazdani	1023	57	182	824	2-Mar-22	Wednesday
43	Existing Buildings 04 - Modelling Parameters and Acceptance Criteria	Dr. A. S. Moghadam	910	50	168	737	5-Mar-22	Saturday
44	Bridges 06 - Structural Design of Railway Bridges	Engr. Anisur Zaman	993	58	182	809	6-Mar-22	Sunday
45	Bridges 04 - Bridge Substructure Design and Service Life Extension	Dr. Nur Yazdani	979	SS	182	799	7-Mar-22	Monday
46	Hydraulic Structures	Dr. Ataur Rahman	968	59	182	792	8-Mar-22	Tuesday
47	Bridge-5	Dr. Nur Yazdani	952	56	181	783	9-Mar-22	Wednesday
48	Bridges 07 - Seismic Design of Highway Bridges	Dr. Saiid Saiidi	886	49	171	724	10-Mar-22	Monday

Annex-8: BNBC Training Courses under S-9 package of RAJUK

A- General, Structural and Inspection

General Topic	Module	Module Topic	BNBC-2020 Part & Chapter	Instructor	Date	Session No.	Attendance	Quiz Taken/Passed
Building Codes and Earthquakes	G1	Introduction to Building Codes	N/A	S. K. Ghosh	23-Mar-21	1	367	383/341
	G2	Overview of BNBC 2020	N/A	Raquib Ahsan		2		
	G3	Review of Structural Design, Loads, Construction Practices and Safety	Part 6, Part 7	Raquib Ahsan	24-Mar-21	3	480	475/311
	G4	Earthquakes and Their Effects on Structures	N/A	S. K. Ghosh	6-Apr-21	6	541	576/360
	G5	Experience in Past Earthquakes, Lessons Learned	N/A	S. K. Ghosh	7-Apr-21	7	632	605/426
General Building Requirements, Building Services	G6	Structure and Environment	Part 3, Part 8	Ahmadul Hassan and Md. Atiqur Rahman	30-Jun-21	22	418	360/323
	G7	Responsibilities of Professionals	N/A	Hamidul Hoque	28-Jun-21	21	261	230/204
Administration and Enforcement	S1	*Bidhimala*, BC Act, and TI Act	Part 2	Raquib Ahsan	30-Mar-21	4	412	519/403
Concrete Material	S2	Concrete Materials	Part 1, Chapter 2, Part 6, Chapter 5, and Part 5, Chapter 2 (Relevant portion)	Raquib Ahsan	31-Mar-21	5	442	562/495
Loads on Buildings and Structures	S3	Gravity Loads on Buildings and Structures	Part 6, Chapter 2	S. K. Ghosh	18-May-21	10	459	416/281
	S4	Wind Loads on Buildings and Structures	Part 6, Chapter 2	S. K. Ghosh	19-May-21	11	515	432/327

General Topic	Module	Module Topic	BNBC-2020 Part & Chapter	Instructor	Date	Session No.	Attendance	Quiz Taken/Passed
	S5	Seismic Design 1	Part 6, Chapter 2, Appendix C	S. K. Ghosh	25-May-21	12	520	455/360
	S6	Seismic Design 2	Part 6, Chapter 2, and Appendix C	S. K. Ghosh	26-May-21	13	552	456/284
Soils and Foundations	S7	Soils and Foundations 1	Part 6, Chapter 3, and Appendices D to H	Md. Zoynul Abedin	1-Jun-21	14	581	515/381
	S8	Soils and Foundations 2	Part 6, Chapter 3, and Appendices D to H	Mehedi Ahmed Ansary	2-Jun-21	15	585	496/455
Anchoring to Concrete	S9	Anchoring to Concrete	Part 6, Chapter 6, and Appendix K	S. K. Ghosh	8-Jun-21	16	524	411/250
Masonry Structures	S10	Masonry Structures	Part 6, Chapter 7	Raquib Ahsan	7-Jul-21	23	437	373/364
Earthquake Resistant Design Provisions	S11	Seismic Detailing of Moment Frames	Part 6, Chapter 8	S. K. Ghosh	15-Jun-21	17	512	449/427
	S12	Seismic Detailing of Shear Walls	Part 6, Chapter 8	S. K. Ghosh	16-Jun-21	18	538	459/424
Steel Structures	S13	Steel Structures 1	Part 6, Chapter 10, and Appendices N to T	Raquib Ahsan	22-Jun-21	19	501	448/343
	S14	Steel Structures 2	Part 6, Chapter 10, and Appendices N to T	Raquib Ahsan	23-Jun-21	20	505	427/421
Safety During Construction and Demolition Work	S15	Construction Safety, Construction Quality, Demolition	Part 7, Chapters 3, and 4	Raquib Ahsan	15-Jul-21	24	362	308/301
Inspection	I1	Overview of Inspection Requirements Proposed by Component S-09 of URP: RAJUK Part (two hours) Pre-recorded	Part 2, Chapter 3	Tim Ryan	11-May-21	8	159	127/121
	I2	*Inspector Skills (two hours) Pre-recorded*	Part 2, Chapter 3	Tim Ryan	12-May-21	9	156	132/128
Total: 12 Main Topic Areas	24 Modules	21 focused topics	5 Parts and several chapters and appendices			24 Sessions		

B- Fire & Life Safety, Building Services, Accessibility, Energy, Planning

General Topic	Module	Module Topic	BNBC-2020 Part & Chapter	Instructor	Date	Session No.	Attendance	Quiz Taken/Passed
Building and Fire and Life Safety	NS1	Occupancy classification and types of construction classification	Part 3, portions of Chapters 1, 2 and 3	Ziaul Islam	20-Apr-21	1	369	322/111
	NS2	Occupancy based requirements, building height and area limitations	Part 3, Portions of Chapters 2 and 3	Ziaul Islam	21-Apr-21	2	518	429/335
	NS3	General provisions and Means of Egress	Part 4, Chapters 1, 2, 3 and portions of other chapters	Maksud Helali	13-Jul-21	18	173	159/90
	NS4	Passive and active fire protection and fire detection	Part 4, Chapters 4, 5, and Appendix A,B, C	Maksud Helali	14-Jul-21	19	349	310/244
Building Services	NS5	Electrical systems and services, Part 1 (two hours) Part 2 (two hours) Pre-Recorded	Part 7, Appendix A and Part 8, Chapter 1, Appendix A, B and C	Jerry Flanik	Part 1 6/29/2021	15	194	153/141
					Part 2 6/30/2021	16	155	135/128
	NS6	Mechanical (HVAC), Part 1 (two hours) Part 2 (two hours) *Pre-Recorded*	Part 8, Chapter 2	Jerry Flanik	Part 1 6/1/2021	7	133	120/113
					Part 2 6/2/2021	8	161	135/130
	NS7	*Lifts/escalators/moving walks, (two hours) Pre-Recorded*	Part 8, Chapter 4 and Appendix L	Jerry Flanik	23-Jun-21	14	150	131/122
	NS8	Plumbing, fuel gas, acoustics/sound transmission,	Part 8, Chapters 3, 5, 6, 7, 8, and Appendix D through W except L	Jerry Flanik	Part 1 5/19/2021	5	147	118/115

General Topic	Module	Module Topic	BNBC-2020 Part & Chapter	Instructor	Date	Session No.	Attendance	Quiz Taken/Passed
					Part 2 6/8/2021	9	152	123/115
					Part 3 6/9/2021	10	133	109/106
					Part 4 6/15/2021	11	140	119/116
					Part 5 6/16/2021	12	141	121/118
					Part 6 6/22/2021	13	132	120/116
					Part 7 7/6/2021	17	125	107/98
Accessibility	NS9	Building accessibility for the disabled (three hours) *Pre-Recorded*	Part 3, Appendix D, Part 8, Chapter 4, and portions of various chapters	Amber L Armstrong	25-May-21	6	235	194/176
Energy	NS10	*Building Energy Efficiency (three hours) Pre-Recorded*	Part 3, Chapter 4 and portions of other chapters	Shaunna Mozingo	6-May-21	4	356	276/244
Planning, housing and land development standards	P1	Planning, guidelines and special requirements for land and housing development	Part 3, Appendix Chapters A, B, C, E	Ziaul Islam	4-May-21	3	233	198/139
Total: 5 Main Topic Areas	11 Modules	11 focused topics	4 Parts and several chapters and appendices			19 Sessions		

C-BNBC Seismic Training

Date	Host Institution	Subject
12 March, 2019	MIST	Seismic Design by ASC E 7-05
06 May, 2019	MIST	Seismic Design by ASCE 7-05
17 June, 2019	IEB	Seismic Design by ASCE 7-05 (Basis of Seismic Design by BNBC-2020)
09 September, 2019	BUET JIDPUS	Seismic Design by ASCE 7-05 (Basis of Seismic Design by BNBC-2020)
02 February, 2020	BUET JIDPUS	Seismic Detailing of Reinforced Concrete Frames by BNBC-2020
03 February, 2020	BUET JIDPUS	Structural Analysis Using ETABS
04 February, 2020	BUET JIDPUS	Seismic Detailing of Reinforced Concrete Shear Walls by BNBC-2020

Annex-9: Rescue Boats' Inspection Report by Bureau Veritas (India) Private Limited

Bureau Veritas (India) Private Limited	**FIELD INSPECTION REPORT** **BVIL REF:** IND.M.4.22.0605/ 14479942	**FIR No**: **BV(BAN)/BV-CHE/81265/FIR 001** Date: 19.04.2022

Project: --	Manufacturer: M/S.SHEBA MARINE ENGINEERING PRIVATE LIMITED.
Supply intended for: Inspection ordered by: M/S. BUREAU VERITAS (BANGLADESH)	Order No: **81265** Dt:10.06.2020
Supplier: M/S.SHEBA MARINE ENGINEERING PRIVATE LIMITED	Supply / Item: Rescue Boat 3 Nos**.**
Performing Office (PO): **BV- Chennai.**	Contracting Office (CO): **BV- Mumbai**
GAD No: Technical specification URP-DNCC-/G-2.11-2	QAP/ITP No: Technical specification

A] Measuring Instruments Used (including satisfactory verification of suitability):

Instrument Description (Type, Title, Mnfr)	Id / Serial No	Scale / Range	Certificate No	Calibration Due Date	Calibration Lab details (NABL,ISO17025 Acc,etc)
Measuring tape	BRT/MT/01	0-15 mtr	SCL/MT/013	24.06.2022	yes
Vernier	17049577	0-300mm	SCL/MT/001	24.06.2022	yes

Description	**Quantity offered:**	**Quantity accepted:**
Procurement of search and rescue equipment (Rescue Boat)	**03 Nos.**	**03 Nos.**

B] Details of Inspection Carried out:

As per inspection call received from M/S. BUREAU VERITAS (BANGLADESH) the undersigned BV Surveyor had visited their works at M/S.SHEBA MARINE ENGINEERING PRIVATE LIMITED. On 19.04.2022.

ATTENDEEES:

Mr.R.SIVANANAME Production Manager, M/S. Sheba marine engineering pvt. Ltd.

Mr.R.VIJAIARUN, Surveyor, Bureau Veritas (India) Private Limited, Chennai.

BRIEF DETAILS OF INSPECTIONS CARRIED OUT AND OBSERVATIONS AS PER ITP:

Witnessed critical dimension witnessed of offered quantity (100%) as per Drawing and found with in tolerance limit-satisfactory.
Visual 100% checked and found incomplete welding, Welding spatters, sharp edges -Not satisfactory.
MTC reviewed as per PO and found satisfactory.

As per technical specification further process have to be continue

Note: 1. All 3 Rescue Boats hull with cabin partially completed 2. Welding partially completed.

Remaining stages to be offered for inspection

PHOTOGRAPHS OF INSPECTIONS:

Hull 3

Hull 2

Hull 1

Dimension inspection

Dimension inspection

Dimension inspection

*** Category: (1)** Accepted **(2)** **Conditionally Accepted** (3) Re-inspection Required (4) Rejected (5) Advice/Instruction from client required

Inspection Date(s): 19.04.2022 Inspection Place(s): Kanni koil, Pondicherry.	* ANY NON CONFORMITY FOUND?	~~Yes~~ No	SHEBA MARINE ENGINEERING PVT LTD ROC : NO 097690 Supplier's Signature& Date 19.04.2022 **Mr.V.SASIKUMAR** Telephone no.9597858802	BUREAU VERITAS (INDIA) PRIVATE LIMITED SURVEYORS AT CHENNAI **R.VIJAIARUN** (Surveyor's Name) Surveyor's Signature, Stamp & Date Mobile no. 8637462918
	* ORDER STATUS	Complete **Balance**		

* - Circle the relevant details OR strike out the non-relevant details

- Include the reasons for rejection in the 'details' of the report

Format FIR r5 – 19th Aug 2015

SEARCH AND RESCUE BOAT DIMENSION REPORT

DATE OF INSPECTION:19.04.2022

Purchase Order No: 81265

Hull:1

SL:NO	AS PER SPECIFICATION DIMENSION	OBSERVED DIMENSION	REMARK
1	LENGTH: **8.200M**	LENGTH: **8.200M**	OK
2	BEAM: **2.600M**	BEAM: **2.600M**	OK
3	TRANSOM DEPTH:**1.358M**	TRANSOM DEPTH:**1.358M**	OK
4	BOTTOM PLATE THICKNESS: **6MM**	BOTTOM PLATE THICKNESS: **6MM**	OK
5	SIDE PLATE THICKNESS: **5MM**	SIDE PLATE THICKNESS: **6MM**	OK
6	CABIN PLATE THICKNESS: **4MM**	CABIN PLATE THICKNESS: **4MM**	OK
7	ANGLE BAR : **50 x 50 x 5MM**	ANGLE BAR : **50 x 50 x 5MM**	OK

Hull:2

SL:NO	AS PER SPECIFICATION DIMENSION	OBSERVED DIMENSION	REMARK
1	LENGTH: **8.200M**	LENGTH: **8.200M**	OK
2	BEAM: **2.600M**	BEAM: **2.600M**	OK
3	TRANSOM DEPTH:**1.358M**	TRANSOM DEPTH:**1.358M**	OK
4	BOTTOM PLATE THICKNESS: **6MM**	BOTTOM PLATE THICKNESS: **6MM**	OK
5	SIDE PLATE THICKNESS: **5MM**	SIDE PLATE THICKNESS: **6MM**	OK
6	CABIN PLATE THICKNESS: **4MM**	CABIN PLATE THICKNESS: **4MM**	OK
7	ANGLE BAR : **50 x 50 x 5MM**	ANGLE BAR : **50 x 50 x 5MM**	OK

Hull:3

SL:NO	AS PER SPECIFICATION DIMENSION	OBSERVED DIMENSION	REMARK
1	LENGTH: **8.200M**	LENGTH: **8.200M**	OK
2	BEAM: **2.600M**	BEAM: **2.600M**	OK
3	TRANSOM DEPTH:**1.358M**	TRANSOM DEPTH:**1.358M**	OK
4	BOTTOM PLATE THICKNESS: **6MM**	BOTTOM PLATE THICKNESS: **6MM**	OK
5	SIDE PLATE THICKNESS: **5MM**	SIDE PLATE THICKNESS: **6MM**	OK
6	CABIN PLATE THICKNESS: **4MM**	CABIN PLATE THICKNESS: **4MM**	OK
7	ANGLE BAR : **50 x 50 x 5MM**	ANGLE BAR : **50 x 50 x 5MM**	OK

For Sheba Marine Engineering Pvt Ltd

SHEBA MARINE ENGINEERING PVT. LTD. ROC : NO 097690

Authorized Signatory

For BUREAU VERITAS

BUREAU VERITAS (INDIA) PRIVATE LIMITED SURVEYORS AT CHENNAI

Surveyor's Signature