

**Government of the People's Republic of Bangladesh
Ministry of Local Government, Rural Development and Cooperatives
Local Government Division
Local Government Engineering Department (LGED)**



**Second Urban Governance & Infrastructure Improvement (Sector)
Project (UGIIP-II)
ADB Loan No. 2462-BAN (SF)
Project Number: 40559-013**

Summary

**Semi-annual Environmental Safeguard Monitoring Report
(For the period January to June 2014)**

July 2014

Prepared by:

MDS Consultants

Joint Venture of



STUP Consultants P. Ltd.



Operations Research Group Pvt. Ltd.



Development Design Consultants Ltd.

In association with

Sodev Consult
SARM Associates Ltd.
Design Planning & Management Consultants

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This report has been submitted to ADB by the Ministry of Local Government, Rural Development and Cooperatives, Local Government Division, Local Government Engineering Department (LGED) and is made publicly available in accordance with ADB's public communications policy (2005), it does not necessarily reflect the views of ADB

ABBREVIATIONS

ADB	Asian Development Bank
DOE	Department of Environment
MDS	Management Design and Supervision
ECA	Ecologically Critical Area
EARP	Environmental Assessment and Review Procedures
CC	Construction Contractor
EMP	Environmental Monitoring Plan
EIA	Environmental Impact Assessment
ESU	Environmental and Social Unit
GOB	Government of Bangladesh
IA	Implementing Agency
IDA	International Development Agency
IEE	Initial Environmental Examination
LGED	Local Government Engineering Department
MDS	MDS Consultants
MLGRDC	Ministry of Local Government, Rural Development and Cooperatives
NGO	Non-Governmental Organization
NO _x	Oxides of Nitrogen
SO _x	Oxides of Sulfur
NUSP	National Urban Sector Policy
PM	Particulate Matter
PDP	Pourashava Development Plan
PIU	Project Implementation Unit
PMO	Project Management Office
PPTA	Project Preparation Technical Assistance
PSC	Project Steering Committee
EMP	Short Resettlement Plan
UGIAP	Urban Governance Improvement Action Program
UGIIP-2	Second Urban Governance and Infrastructure Improvement (Sector) Project
UNHCR	UN High Commission on Refugees
WHO	World Health Organization

I. INTRODUCTION

A. Background

1. The Government of Bangladesh (GOB) has undertaken the Second Urban Governance and Infrastructure Improvement (Sector) Project (UGIIP-2) with financial assistance from the Asian Development Bank (ADB) (Loan No. 2462 BAN (SF) together with co-financing from KfW and GIZ to improve governance and urban service provision in 35 municipalities. These municipalities include : Sunamganj, Srimangal and Golapganj in Sylhet Division; Sreepur, Mirzapur, Ghorashal, Munshiganj, Jamalpur, Mymensingh, Patgram, Faridpur in Dhaka Division; Brahmanbaria, Comilla, Chandpur, Parshuram, Noakhali, Chowmuhani, and Cox's Bazar in Chittagong Division; Jhenaidah, Narail, Benapole, Satkhira, and Bagerhat in Khulna Division, Thakurgaon, Kurigram, Rangpur, Dinajpur , Nachol, Sirajganj, Nator and Gaibandha in Rajshahi Division; and Jhalakati, Bhola, Barguna and Kolapara in Barisal Division (**Figure 1& 2**).

2. Infrastructure investment in 12 municipalities in Rajshahi, Rangpur and Dhaka Divisions (Mymensingh, Faridpur, Sreepur, Jamalpur, Rangpur, Thakurgaon, Natore, Dinajpur, Kurigram, Gaibandha, Sirajganj, and Mirzapur) have been provided by KfW. The remaining 35 municipalities have been funded by the ADB.

4. GIZ is providing technical assistance in implementing design in four Pourashavas; Mymensingh, Sreepur, Jamalpur and Mirzapur, for the Urban Governance Improvement Action Program (UGIAP), and will develop training modules and manuals to be used for implementation of the overall project.

5. In 3rd phase 4 Pourashavas are dropped from the original program based on their performance in phase-2 and due to change of status of some pourashava. In Rangpur Division Rangpur and Dinajpur Pourashava has been dropped out of which Rangpur Pourashava has become a city corporation and Dinajpur could not perform well in phase-2. In Chittagong Division Comilla become a city corporation and was dropped and Bagerhat in Khulna Division was dropped based on performance. Moreover 16 (Sixteen) Pourashava are included in project program. These Pourashavas are Dhanbari, Gopalganj, Madaripur, Madhabpur, Kakanhat, Pabna, Nilfamari, Patgram, Kushtia, Chuadanga, Bandarban, Haziganj, Basurhat, Khagrachari, Lalmohan and Potuakhali. So, Phase-3 now includes a total 47 Pourashavas all over the country.

Figure 1: Divisions in Bangladesh



Figure 2: Pourashava under UGIIP –II



B) Project purpose

6. The Project is expected to enhance sustainable human development, economic growth and poverty reduction by enhancing municipal governance and strengthening capacity to deliver municipal services and improving physical infrastructure and urban services in 47 secondary towns in Bangladesh. The expected outcomes will be (i) enhanced capacity of Pourashavas to implement, operate, manage and maintain basic urban services; (ii) increased accountability of Pourashavas towards their citizens; and (iii) improved physical infrastructure and urban services.

Project Types Identified for Implementation

7. Infrastructure subprojects proposed under UGIIP-II encompass a variety of types of urban infrastructure and services including those shown in **Table 1**.

8. No direct cumulative or regional potential negative impact of the project activities on social and values was detected.

Table 1: Subprojects and Components Proposed in UGIIP-II

Sector / sub project	Activities	Components
Water Supply	Source Augmentation	Deep Tube Wells (Hand Pump)
		Deep Tube Wells (Electric Pump)
	Distribution	Piping, Valves and Fittings
	Treatment	Water Treatment (Iron Removal)
	Storage	Elevated Tank
	System improvement	Repair/Replacement of Lines
		Bulk Water Meters
		Domestic water meter
Sanitation	Community Facility	Community Toilets
	Septic tank	Vacuum Units
Solid Waste Management	Disposal/waste collection	Disposal Alternatives
		Neighbourhood Collection
	Waste transfer	Community Storage Bins
		Dump Trucks/Rickshaw
	Waste disposal	Transfer Station
		Access Road to Landfill
		Landfill Facility
		Treatment/Composting
Urban Drainage	Roadway Drainage	Roadside Drains
	Area drainage	Outfall
		Main Drain
		Secondary and Tertiary Drains
		Retention Pond

Urban Transport & communication	Roadway Provision	Bridge Replacement Drainage/Culverts
		Roadway Widening/Resurfacing
Public use facilities	Municipal facilities	Market/Community Centres
		Municipal and Kitchen Markets
		Improvement of Slaughterhouses
		Bus and Truck Terminals

C) Project profile

C1. Physical Progress

Overall physical progress of Phase II

9. Overall physical progress of Phase II for ADB funded Pourashavas has progressed from 98% (in December 2013) to 99% (up to the end of June 2014). Similarly for KfW pourashavas it has progressed up to 99% till end of June 2014. and for overall UGIIP II it went up from 98% (in December 2013) to 99% (up to the end of June 2014) (**Refer figure -3**)

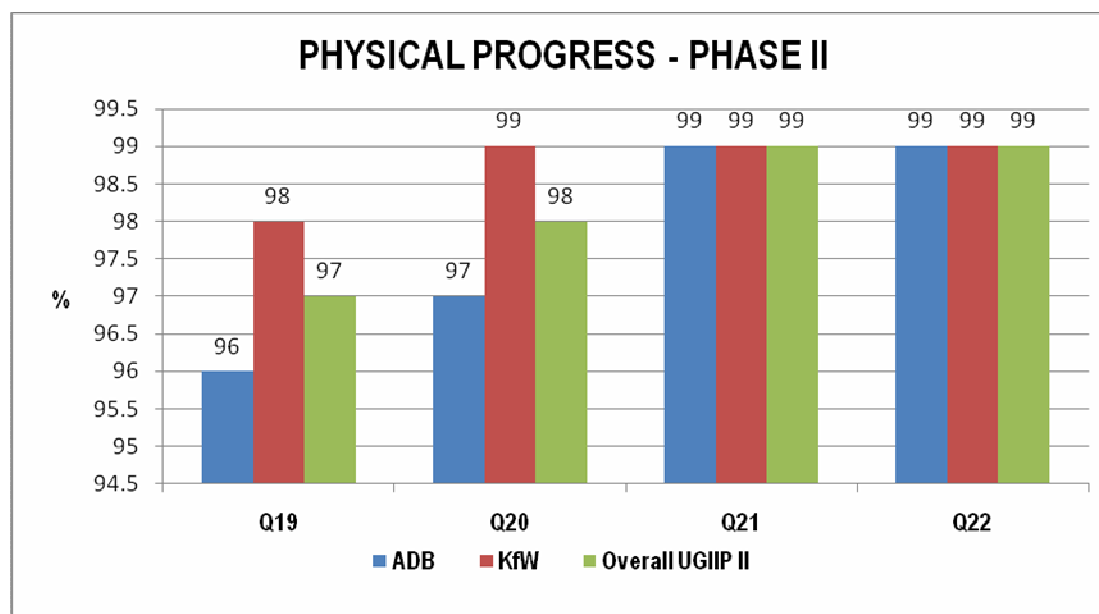


Figure 3: Physical Progress of work in UGIIP-II - Q19 to Q22 (End June 2014)

Sector component wise progress of Phase -II

10. Component-wise progress during Q20 to Q22 in UGIIP-II project is shown below in **table 2** and **Figure 4** of this report

Table 2: Component wise Progress During Q20 to Q22

Sector	Quarterly Progress in %		
	Q20	Q21	Q22
Urban Transport (UT)	100	100	100
Drainage (DR)	100	100	100
Water Supply (WS)	100	100	100
Sanitation (SN)	100	100	100
Municipal Facilities (MF)	98	99	99
Solid Waste Management (SWM)	100	100	100
Slum Improvement (SI)	98	99	99

Q20- Quarterly Progress Report no 20 (October, to December, 2013), Q21- Quarterly Progress Report no 21 (January, to, March, 2014), Q22- Quarterly Progress Report no 22 (April to June, 2014)

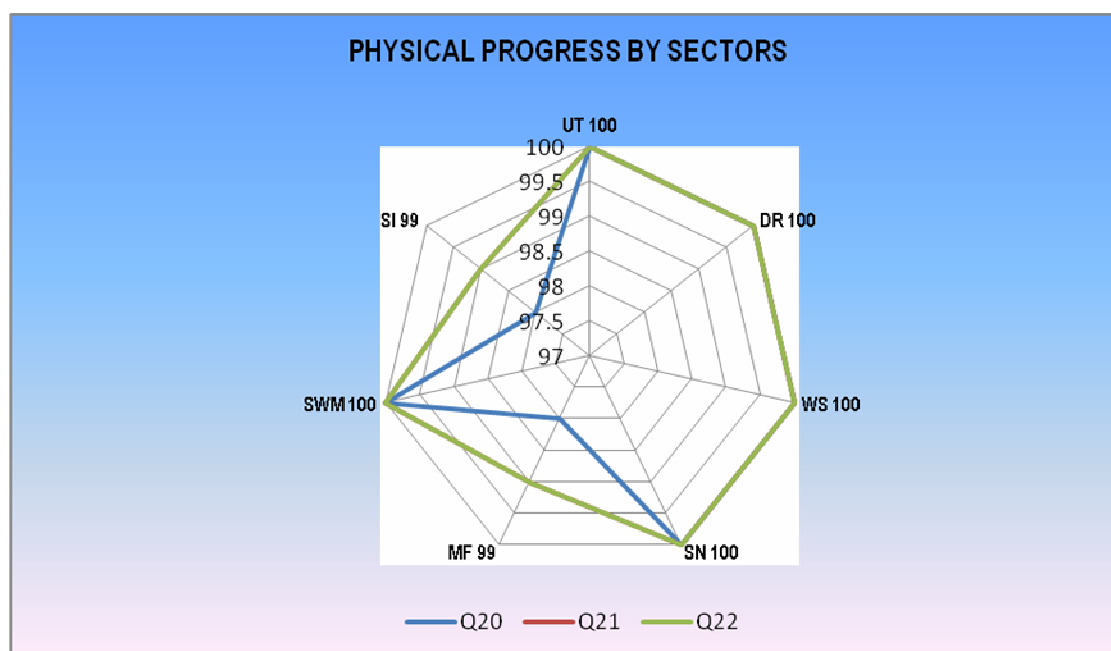


Figure-4: Overall Component wise Physical Progress of Work in UGIIIP II- Phase-2, Q20 to Q22

Pourashava wise physical progress

11. Till Q22 (end June 2014) out of total 35 Pourashavas, 31 have achieved 100% progress in their specific components. These Pourashavas are: Brahmanbaria, Barguna, Bagerhat, Benapole, Bhanga, Bhola, Comilla, Cox's Bazar, Chandpur, Dinajpur, Faridpur, Gaibandha, Golapgonj, Ghorashal, Jhalakathi, Jhenaidah, Kalapara, Kurigram, Mirzapur, Munshigonj, Mymensingh, Nachole, Narail, Natore, Parshuram, Rangpur. Satkhira, Sirajgonj, Sreemongal, Sreepur, Sunamgonj, Remaining 4 Pourashavas are in various stages of completing the implementation tasks.

12. Comprising the 4 remaining pourashavas that are yet to achieve 100% progress are Jamalpur and Thakurgaon (both KfW funded Pourashavas) which have achieved progress up to 98 and 97 %

respectively and Noakhali and Chowmuhani (both ADB funded Pourashavas) that have achieved progress up to 97 and 96% respectively. KfW and ADB funded pourashava wise physical progress of Phase-2 works is presented in **figure -5 & figure-6** respectively.

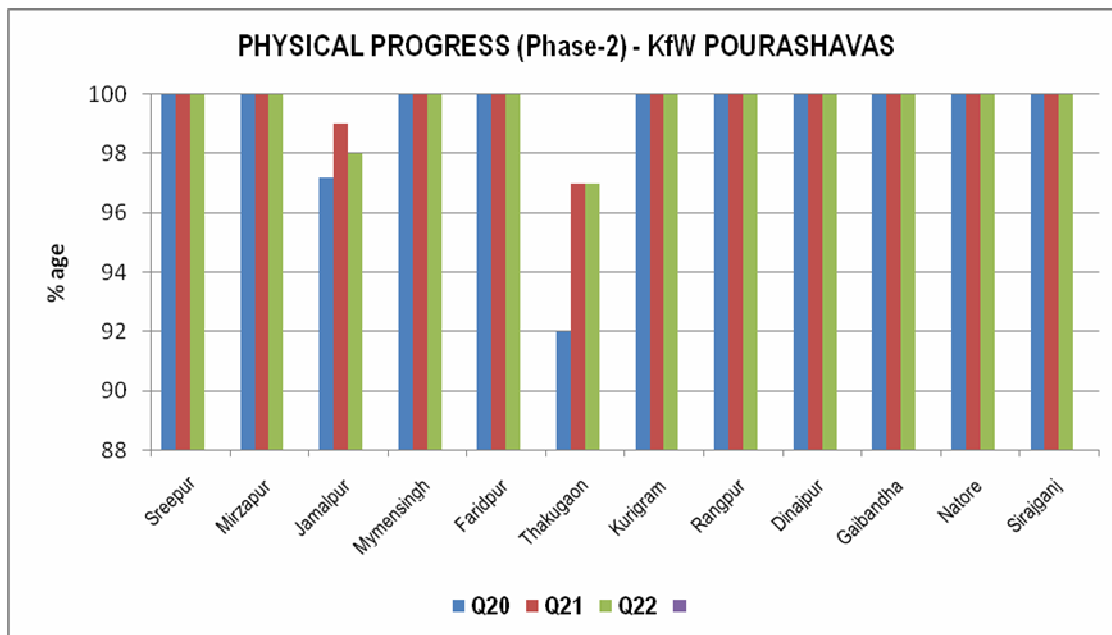


Figure-5: Physical Progress of Work in KfW funded Pourashavas UGIIP-II – Phase-2 : Q20 to Q22

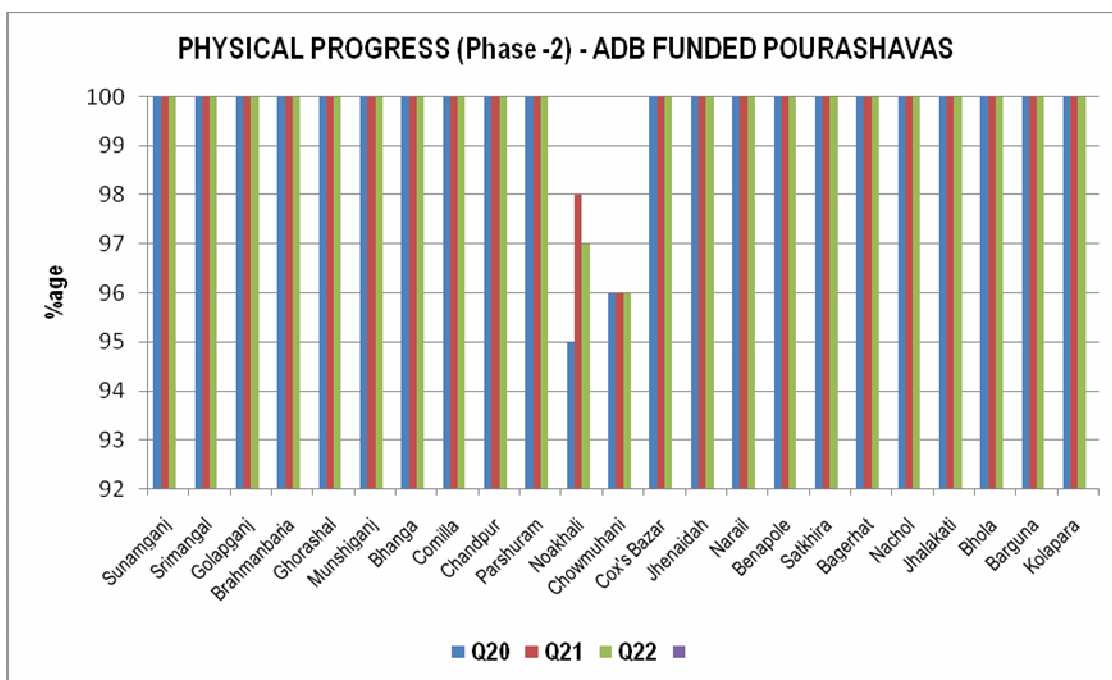


Figure-6: Physical Progress of Work in ADB funded Pourashavas UGIIP-II – Phase-2 : Q20 to Q22

C2. Financial Progress of Phase-2

Overall Financial Progress of Phase-2

13. Up to end June 2014 for ADB funded 23 Pourashavas, payment of BDT 2257.68 million (90.86%) has been made against contract value of BDT 2484.71 million. For KfW funded 12 Pourashavas up to end of Jun 2014, payment of BDT 1132.42 million (94.84%) has been made against the contract amount of BDT 1194.03 million.

14. Considering the UGIIP-II Phase-2 as a whole, payments have progressed from BDT 3172.53 million in Q 20 to BDT 3390.1 million till end of Q22 (end June 2014) against the total contract amount of BDT 3678.74 Million i.e. financial progress of from 86.23 % in Q20 to 92.15% in Q22 (Refer **figure 7**).

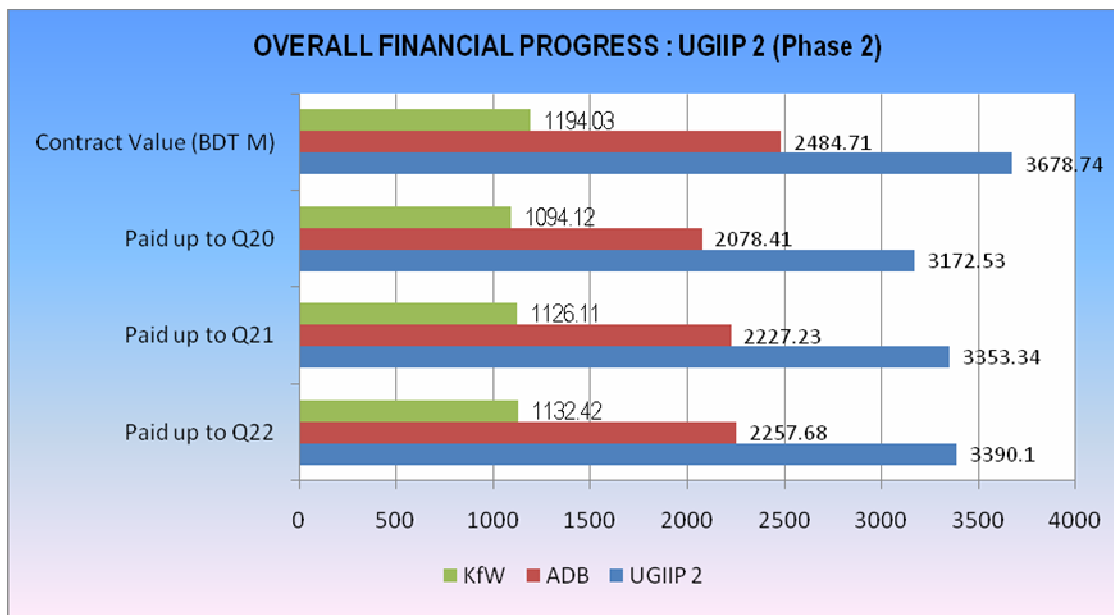


Figure-7: Overall Financial Progress of UGIIP II - Phase II : Q20 to Q22

Pourashava wise Financial Progress of Phase-2

15. Among the KfW funded pourashavas, three namely Faridpur, Gaibandha and Sirajganj have reached to maximum achievement of 99% financial progress by Q22. The three top achievers in terms of change in % financial progress during Q20 to Q22 are Natore (11%), Dinajpur (10%) and Rangpur (9%). (Refer **Figure 8**)

16. Among the ADB funded pourashavas, Bhanga and Parshuram pourashavas have reached to maximum achievement of 100% financial progress by Q22. The three top achievers in terms of change in % financial progress during Q20 to Q22 are Parshuram (23%), Munshiganj (21%) and Cox's Bazar (21%). (Refer **Figure 9**)

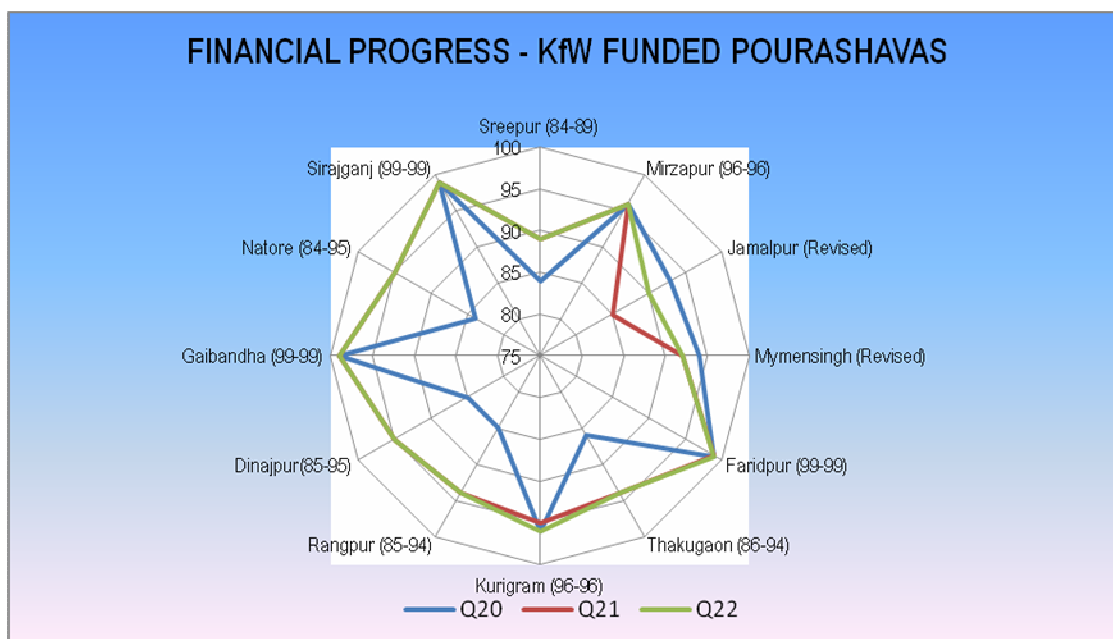


Figure-8: Financial Progress of KfW Funded Pourashavas (Phase II)

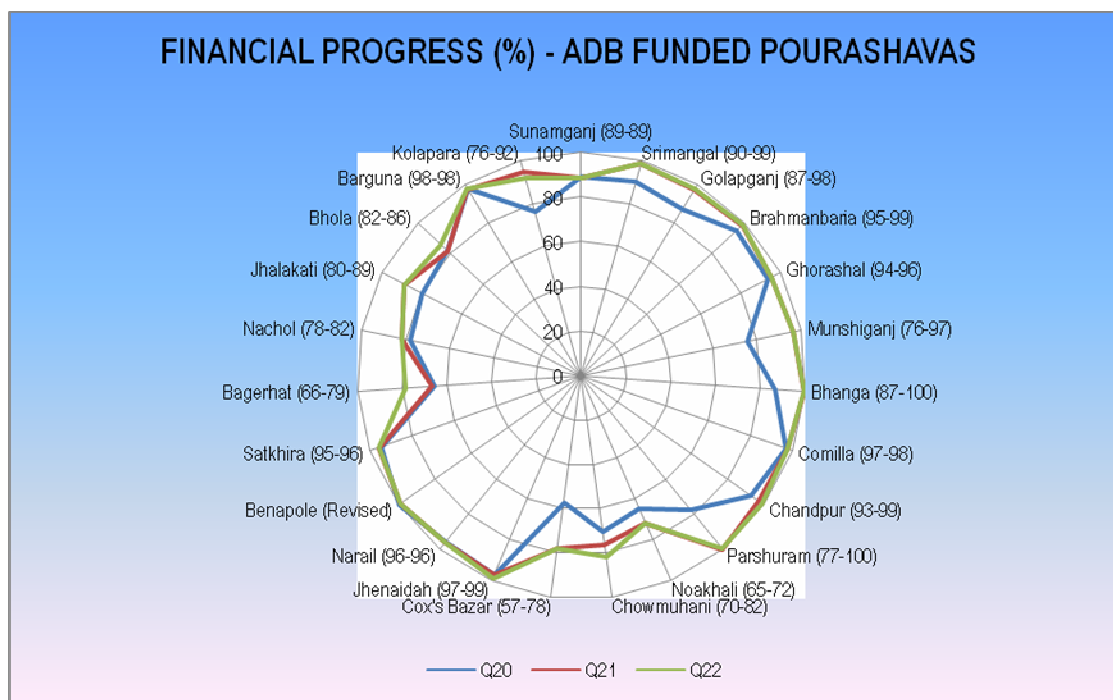


Figure-9: Financial Progress of ADB Funded Pourashavas (Phase II)

C3. UGIIP-II, Phase III: Subprojects Progress Status

Status of Work Packages

17. Under the phase III of the Project, 47 municipalities have been included of which 31 are from Phase II and 16 municipalities are new. During the end of Q20, 121 subproject proposals have been submitted to PMO for review and approval. Out of the 121 proposals, 117 have been approved and 83 have been awarded till Q20 (end of December 2013) (**Refer figure 10**).

18. Among various sectors, UT sector subprojects have the maximum share(85%) followed by municipal facilities (9%) and drains (4%) and Slum improvement (4%) .

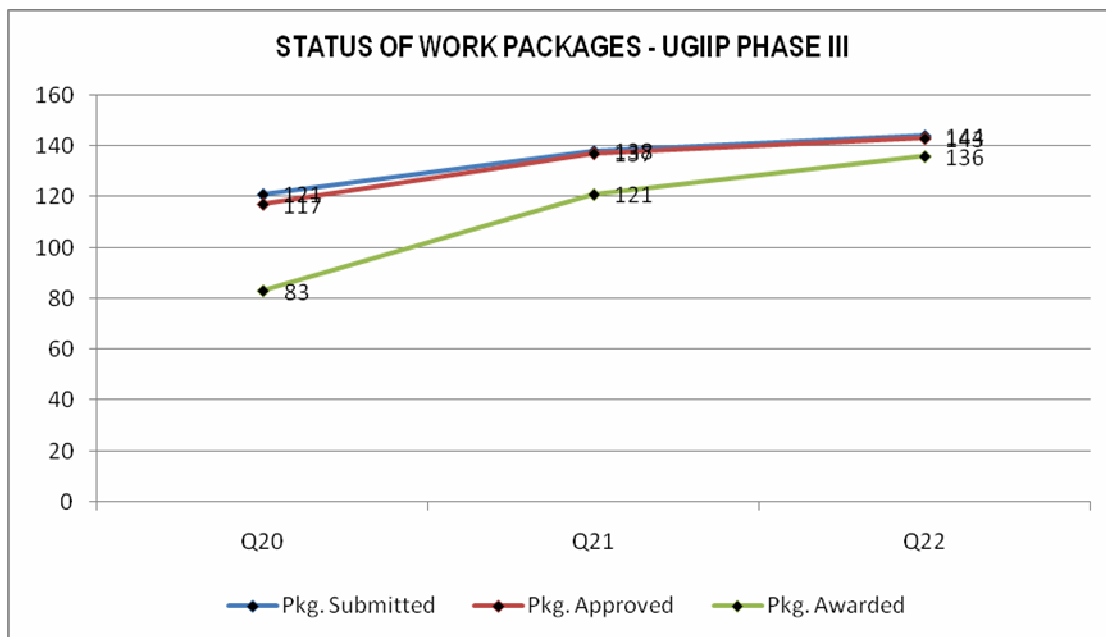


Figure-10: Status of Work Packages : UGIIP- II, Phase-3

Overall Physical progress of Works – Phase-3

19. Constructions for Phase III subprojects started during Q18. Overall physical progress of Phase III during Q20 (end December 2013) to Q22 (end June 2014) has progressed from 36% in Q20 to 65% by Q22 (up to the end of June 2014). (**Refer figure 11**)

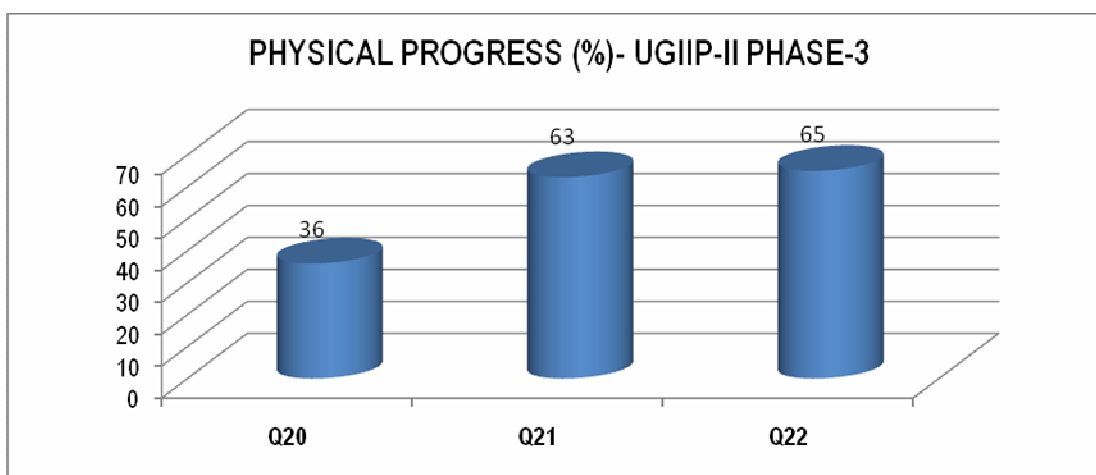


Figure-11: Status of Physical Progress : UGIIP-II, Phase-3

Pourashava wise Physical progress of Works – Phase-3

20. Among the KfW funded pourashavas, the highest percentage of physical progress during Q20 to Q22 has been recorded by Natore (70%) followed by Patgram (47.5%) and Sreepur (45%) (**Refer figure -12**).

Similarly for ADB funded Pourashavas the highest percentage of physical progress during Q20 to Q22 has been recorded by Pabna (88%) followed by Madhabpur (83%) and Munshiganj & Chuadanga both recording change of 67% (**Refer figure 13**)

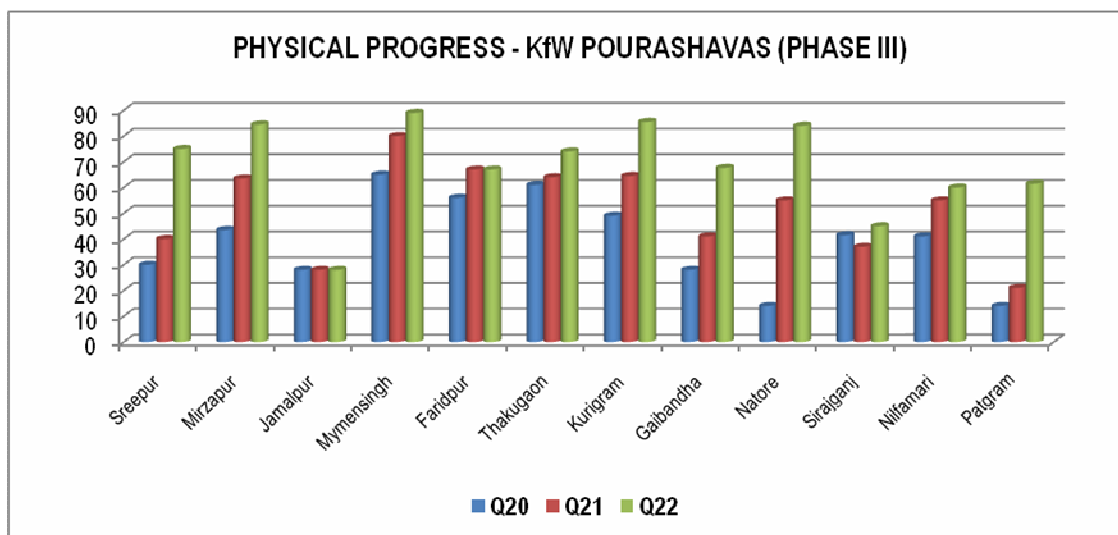


Figure-12: Physical Progress KfW Pourashavas : UGIIP II - Phase III

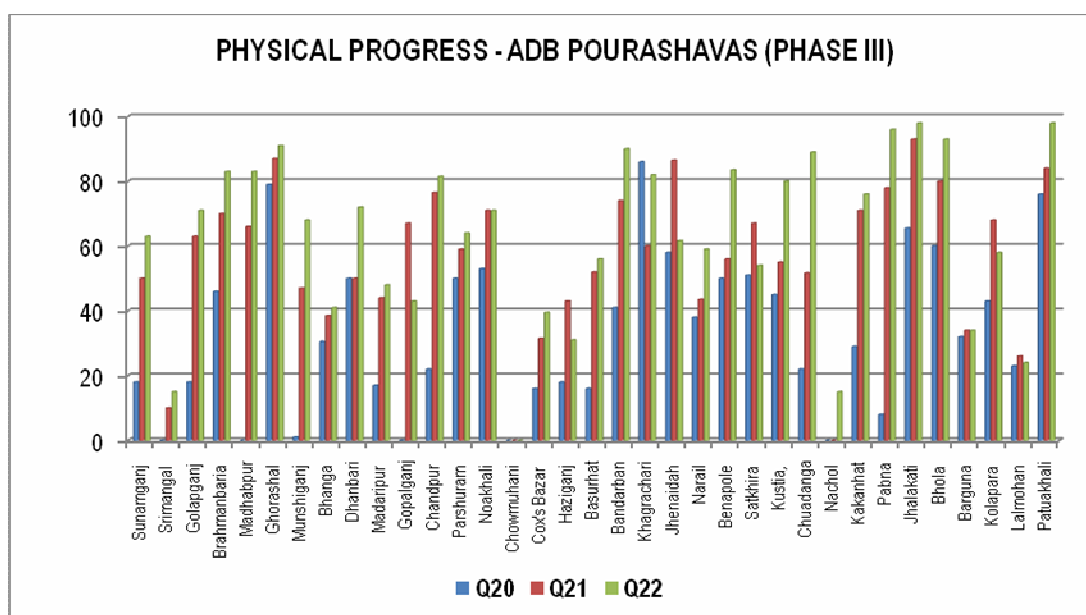


Figure-13: Physical Progress ADB Pourashavas : UGIIP II - Phase III

Overall Financial progress of Phase III

21. Overall in UGIIP 2 Phase III, till end June 2014 (Q22), financial progress has reached 56% compared to 32% at the end of Q20. (**Refer figure 14**)

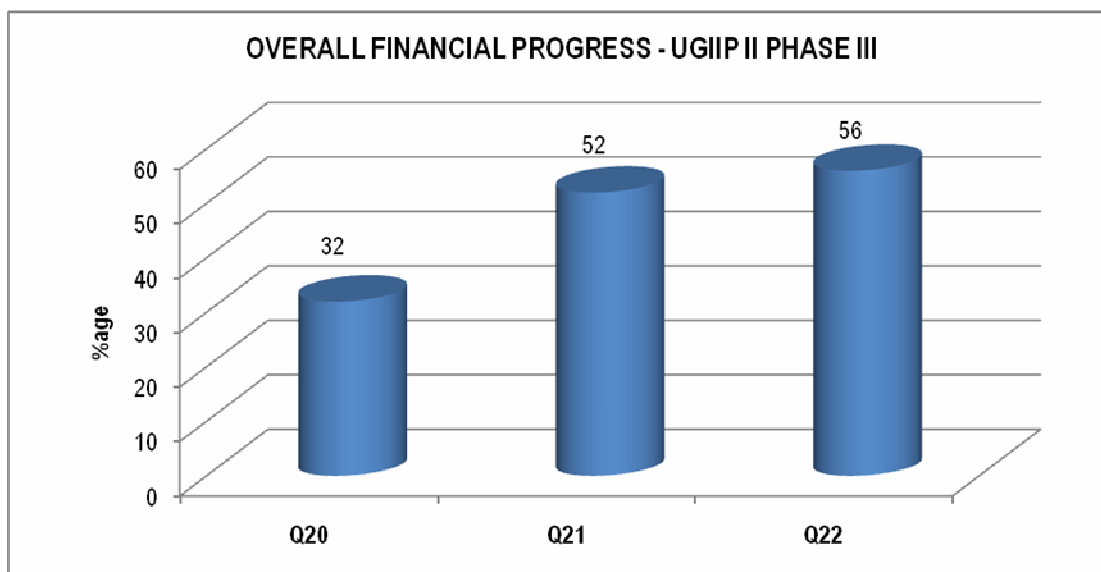


Figure-14: Status of Financial Progress : UGIIP-II - Phase III Pourashava wise Financial progress of Phase III

22. Among the KfW funded pourashavas, Nilphamari has reached to maximum achievement of 84% financial progress by Q20. Similarly among ADB funded pourashavas Benapole reached the maximum of 80% financial progress achievement by Q20. (Refer figure 15 & 16)

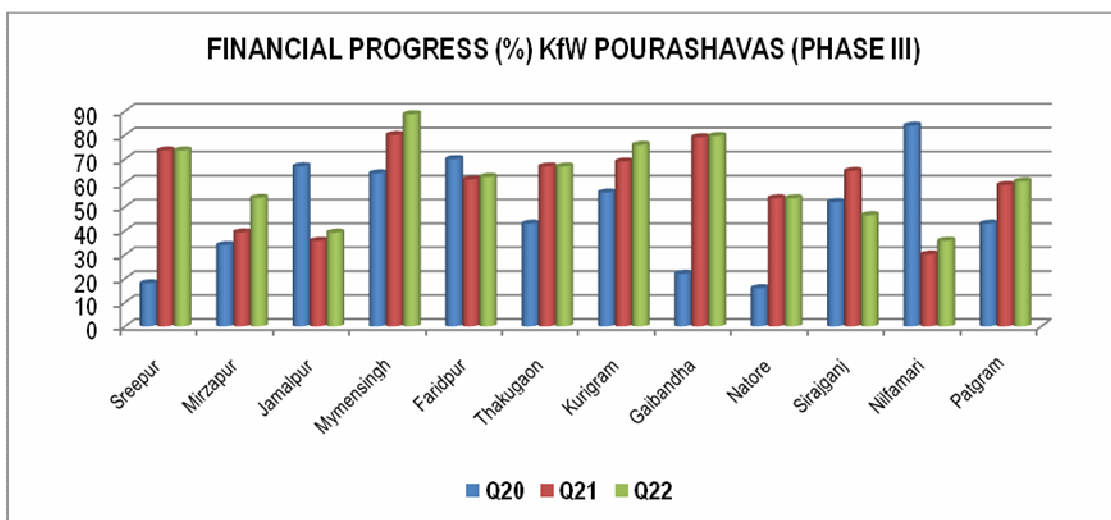


Figure-15: Financial Progress KfW Pourashavas: UGIIP-II, Phase-3

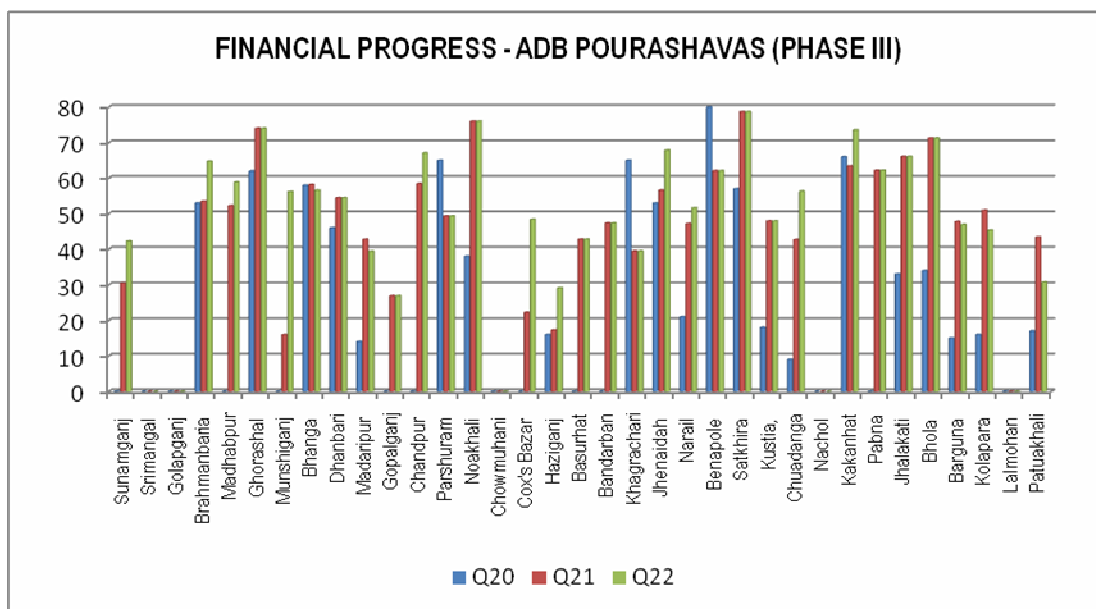


Figure-16: Financial Progress ADB Pourashavas: UGIIP II - Phase III

C4. Land Acquisition

23. UGIIP-II is implementing as a sector project which aims to cover 47 Pourashavas (secondary towns). The subprojects in UGIIP-II eligible for loan assistance from Asian Development Bank (ADB) include roads, bridges, water supply, low cost sanitation, solid waste management and town centre development as well as public markets and the upgrading of low-income communities. Project implementation is divided in three phases over the period of 6 years. In Phase 2 when infrastructure improvement works has started. Eligible subprojects shall have different area requirements and there are chances that land acquisition would take place in their locations. In order to minimize land acquisition and resettlement, the LGED has adopted the following measures for compliance by the Pourashavas:

- Utilization of existing lands for the rehabilitation of public markets, upgrading of low-income communities, water supply and distribution, and town centre development;
- Community consensus on the location of sanitary latrines and deep wells;
- Realignment of rights-of-way for community roads and bridges to achieve minimum impacts on houses and structures;
- Vacant Pourashava lands will be utilized for solid waste management that will not pose health hazards to human settlements.

24. The Local Land Registration Office (LLRO) under the Office of the Deputy Commissioner has assisted in verifying the status of ownership on lands to be acquired following the request from the PMO. The ownership can be ascertained with the use of cadastral maps that show the subproject area boundaries marked on lots that would be affected. The LLRO identified the Affected Persons who have holding numbers, those whose applications are being processed in their office, and those who have lease agreement with any government agency and/or legitimate land owners. Such assistance will be very useful for PIUs in knowing the APs that shall receive compensation for the land. Status of land acquisition in UGIIP-2 up to 30th June 2014 given in **table-3**.

Table 3: Status of Land Acquisition in UGIP-2

Sl. No	Name of Pourashava	Proposed Land (Acre)	Present Status	Land Value including other actual costs	Remarks
1.	Faridpur	3.000	DC office has estimated land value (TK.3, 49, 70,334.26) with other costs and PMO paid the said full payment	3,49,70,334.26	Paid
2.	Bhanga	2.000	DC office has estimated land value (TK.2, 68, 23,495.00) with other costs and PMO paid the said full payment	2,68,23,495.00	Paid
3.	Mirzapur	1.580	DC office has estimated land value (TK.5,52,85,454.52) with other costs and PS submitted to PMO on 27.06.2013	5,52,85,454.52 (Not paid)	Estimated Cost submitted to PMO on 27.6.2013, but it has not paid yet.
4.	Benapole	1.810	After getting land value certificate from Sub-resister office, Pourashava submitted total cost for land to PMO	1,30,54,858.00	Paid
5.	Narail	1.750	Pourashava submitted relevent documents to DC office after getting administrative approval from Local Government Division		Need for No Objection Certificate (NOC) from DoE.
6.	Satkhira	1.630	DC office has estimated land value (15, 14,681.09) with other costs and PMO paid the said full payment to DC office.	15,14,681.09	Paid
7.	Bagerhat	2.000	DC office has estimated land value (97,21,260.00) and submitted Pourashava	97,21,260.00 (Not paid)	Pourashava Submitted to PMO 21.06.2012, but it has not paid yet.
8.	Kurigram	2.000	Local MP claimed against the 1 st proposal.		PS trying to acquire the 1 st proposed land.
9.	Nachole	3.647	DC office has estimated land value (TK. 55,56,529.15) with other costs and submitted to PMO on 03.6.2014	55,56,529.15 (Not Paid)	Pourashava Submitted to PMO 03.6.2014 but it has not paid yet.
10.	Ghorashal	2.540	DC office has estimated land value (4,43,01,065.51) and submitted Pourashava on 13.6.2013	2,48,80,385.17	Estimated Cost 4, 43, 01,065.51 but paid TK. 2, 48, 80,385.17 (Rest TK. 1, 94, 0,680.34)

Sl. No	Name of Pourashava	Proposed Land (Acre)	Present Status	Land Value including other actual costs	Remarks
11.	Sreemongal	2.438	DC office has estimated land value (TK.1,84,13,590.00) with other costs and submitted to PS.	1,84,13,590.00	Paid
12.	Chowmuhoni	2.285	DC office has estimated land value with other costs and PMO paid the said full payment	3,67,21,763.00	Paid
13.	Cox'sbazar	2.470	Local Government Department (LGD) has sent administrative approval. On 07.01.2014		After getting administrative approval DC office has taken next necessary action.
14.	Patgram	1.722	DC office has estimated land value (TK.51, 19,614.83) with other costs and PMO paid the said full payment	51,19,614.83	Paid
Total		30.872 Acre	Total Paid	16,14,98,721/-(8 Nos. Pourashavas)	

25. Study of table 3 indicates the fact that, 14 Pourashavas (out of 47 PSs) have submitted proposal to Project Management Office (PMO) for land acquisition to construct dumping ground and Bus Terminal (Bus Terminal-Patgram PS). The land acquisition activities of 08 PSs (Faridpur, Bhanga, Satkhira, Sreemongal, Chowmuhani, Patgram, Ghorashal, Benapole) have been completed among 14 PSs. Total proposed land for acquisition of 14 PSs is 30.872 Acre's. Total acquired land in the 8 PSs is 17.425 acre's which includes the fixation value of TK.18,09,19,400 of which TK.16, 14, 98,721.00 has been paid.

D. Environmental safeguard Categorization

D-1. ADB's classification system

26. The ADB has categorized UGIIP-II sub projects as Category B and following its normal procedure has determined that an IEE will be conducted for each municipality subproject submission. The impacts of subprojects will be assessed according to ADB Environment Policy (2002, 2009) and Environmental Assessment Guidelines (2003).

27. As per the Environment Conservation Rules, 1997- UGIIP-II subprojects have been categorised as Orange-B category and some projects as red category as per GoB guidelines. DOE, GoB has issued an Environment Clearance Certificate for UGIIP-II subprojects (up to Orange B), excluding water treatment plants, water distribution line laying/relaying/extension, and landfills, bus and truck terminals vide letter no DOE/ clearance/5025/2010/375 dated 11.11.2010. Those excluded subprojects are included in the Red Category and require the Environmental Assessment (EA) process that may include an EIA.

D3. Compliance of Safeguard report submission

Summary status of safeguard assessment reports (as on 30.06.2014)

28. Safeguard reports are being submitted along with the technical reports of the subprojects to PMO for onward submission to KfW and ADB. Status of safeguard reports has been given in the following **table 4**.

**Table 4: Summary status of Environmental Safeguard Assessment reports UGIIP-II
(As on 30 June, 2014)**

Sector	IEE Reports Submitted		EIA report	
	Phase 2	Phase 3		
Urban Transport	213	109	Nil	No outstanding submission Reports submitted: SSA Report-21: Additional Subprojects submitted on urban transport for Golapganj, Madhabpur, Haziganj, Bashurhat, Chandpur & Parshuram Pourashavas Safeguard monitoring monthly report for-April, May and June 2014 <u>Pourashavas visited:</u> Noakhali, Chowmohani, Banderban, Khagrachari, Sreepur, Mirzapur and Mymansingh, Madhabpur, Sreemangal, Golapganj, Sunamganj, Parshuram, Basurhat, Haziganj, Chandpur
Water Supply	10	-	4	
Solid Waste Management	21	-	Nil	
Drainage	55	4	Nil	
Sanitation	21	-		
Municipal Facilities	40	5	2	
Total	360	118	6	

II. IMPLEMENTATION PROGRESS

A). Major Works and Progress

29. On date project works are being implemented in all the 47 Pourashavas under phase-2 and phase-3 of UGIIP-II. As discussed subprojects being implemented are mostly road widening and improvement, drainage, improvement of municipal markets, construction of new market, improvement of auditorium and beautification of river banks. There are no expected changes from the approved objectives, Effective monitoring and application of EMP and Safety arrangement at site are being implemented at every pourashava and no risk has been identified
30. Monitoring and reporting on Environmental and Social safeguard have been started. At present no as such adverse effect of project activities on social and environmental components.

III. ENVIRONMENTAL PROCEDURE REVIEW

A) Environmental Legal Requirements and compliance

31. Acts; Rules, Policies and Regulations currently in force in Bangladesh and deal with environmental issues that could apply to infrastructure development and different subprojects of UGIIP-2 has been taken in to consideration during design of the subprojects and preparation of Environmental documents (IEE and EIA)

32. However, because of the relatively minor negative impacts of most of the types of the Subproject likely to be developed under UGIIP-2, it is expected that most subproject should not fall within the scope of these legal instruments. It has been observed that all the legal requirements of GOB and ADB guidelines are being followed in all the subproject implementation in all the 47 pourashava under UGIIP-2.

D). Compliance of Environmental Loan Covenants

33. The status of compliance of ADB's major Environmental Loan Covenants shown below in table 5

Table 5: Status of compliance of ADB's major Environmental Loan Covenants

Project Specific Covenants	Status / Issues
Environmental	
1.The EA shall ensure that (a) the project is carried out and all subproject facilities designed, constructed, operated, maintained, and monitored in compliances with the environmental law and regulations of the Borrower, the state, ADB's Environmental Policy (2002), and the EARF;	Under compliance in accordance with ADB Environmental Policy and Environmental Assessment Guidelines
2. IEE as required, including an EMP with budget identifying the cost of its implementation as incorporated in the related bid document if any, when adequate public consultation for each sub-project, in accordance with the EARF shall be submitted to ADB for review and approval before award of related contract. In case of any EIA for sub-project classified as A or B sensitive, this shall be subject to the 120 day public disclosure requirement under ADB's Environmental Policy (2002, 2009)	<p>An IEE have been prepared for each sub-project where EMP, budget for application of EMP and issues of public consultation are enclosed.</p> <p>Budget and EMP components are incorporated in the bid document</p> <p>All the reports approved by ADB.</p> <p>At present all the sub-projects are classified as class B (only IEE will be required)</p> <p>As per National rules EIA will be required for - water treatment plants, water distribution line laying/relaying/extension, and landfills, bus and truck terminals</p>

<p>3.All mitigation measures identified in the IEE, EIA or and the related EMP, as applicable, for each sub- project, shall be incorporated in sub-project design, and carried out during construction, and O & M, and disclosed to the stakeholders;</p>	<p>Under compliance: IEE screening of potential environmental impact and mitigation measures applied according to project location, specific sector development and associated design requirements.</p> <p>EMP's prepared and regularly monitored for compliance of stated mitigation measures.</p> <p>During construction process within the city consultation with local communities on environmental issues are considered</p> <p>Last EMP quarterly Report (September to December 2013) submitted in January 2014</p>
<p>4 . if there are any changes in specific locations or alignments of any sub-project facilities after completion of the process of IEE (or EIA) or due to detailed design or implementation that has an impact on the environmental assessment carried out thus far, then additional environmental assessment shall becarried out in accordance with ADB's Environmental Policy (2002, 2009) and the EARF, and prior approval of ADB obtained before further physical implementation of the sub-project;</p>	<p>No such changes in subprojects.</p> <p>In case of change in scope or location IEE will be revised.</p>
<p>5.All environmental clearances required by applicable laws, and regulations at Borrower, country , or local levels shall be obtained in a timely manner, prior to commencement of civil works for the relevant subproject</p>	<p>Under compliance.</p>
<p>6. Semi-annual progress reports on the implementation of the EMPs, measures under the IEE/EIA, and the environmental monitoring shall be carried out as a part of the project. Implementation for review and disclosure in accordance with ADB's Public Communications Policy (2005)</p>	<p>Quarterly progress report on application of EMP is being prepared regularly. Semi –annual report is also being prepared.</p> <p>Field monitoring continued as per monitoring plan.</p> <p>During construction process within the city consultation with local communities on environmental issues has already initiated and continued in most of the locations.</p>

IV. Environmental Organization and Management

34. Environmental issues of the project coordinated by an safeguard/ Environmental Specialist within the PMO, who ensures that all subprojects, comply with environmental safeguards. An Environmental team who is part of the MDS team implement the Environmental Monitoring Plan from each IEE to ensure that mitigation measures are provided and protect the environment as intended. **Figure 17** shows institutional responsibility for implementation of environmental safeguard monitoring at different level.

35. EMP shows that most of the mitigation activities are the responsibility of the Construction Contractors (CC) employed to build the infrastructure during the construction stage or the O&M

Contractors employed to conduct maintenance or repair work when the system is operating. Responsibility for the relevant measures assigned to the Contractors via the contracts through which they are appointed, so they legally required taking the necessary action. There are also some actions that need to be taken by LGED/ PMO in their role as project proponent, and some actions related to the design that would be implemented by the MDS consultant

36. A program of monitoring would be conducted to ensure that all parties take the specified action to provide the required mitigation, to assess whether the action has adequately protected the environment, and to determine whether any additional measures may be necessary. This would be conducted by a qualified Environmental Specialist (ES) from the MDS. The ES responsible for all monitoring activities and reporting the results and conclusions to the Environment team, and recommend remedial action if measures are not being provided or are not protecting the environment effectively. Environment team will report the same to the MDS team leader who will in turn inform PMO. PMO is responsible for taking action against the contractor and the implementing pourashava. Post-construction monitoring will be conducted by the relevant Government Agency (Pourashava) to whom responsibility for the infrastructure will pass once it begins to operate.

37. EMP shows that most of the mitigation measures are fairly standard methods of minimizing disturbance from building in urban areas (maintaining access, planning work to avoid sensitive times, finding uses for waste material, etc), and experienced Contractors should be familiar with most of the requirements. Monitoring of such measures normally involves making observations in the course of site visits, although some require more formal checking of records and other aspects. There are also be some surveys of residents, as most of the measures are aimed at preventing impacts on people and the human environment.

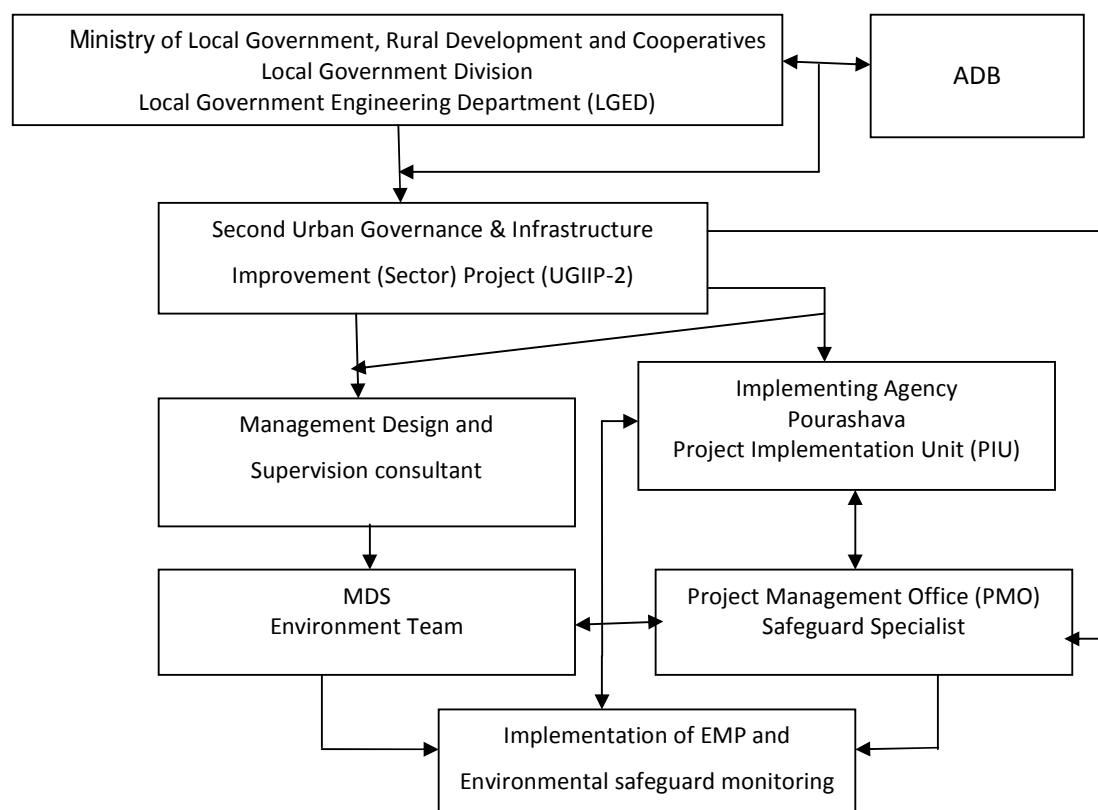


Figure17: Institutional responsibility for implementation of environmental safeguard monitoring

V. IMPLEMENTATION STATUS OF MITIGATION MEASURES

38. At present there are 360 sub-projects under phase 2 have been awarded to the contractors. Major field activities are ongoing for 06 sub-projects in phase-2 and 113 subprojects in phase-3. EMP has been implemented in all sub-projects as per IEE report. The detail mitigation measures against impacts on air, water, and soil environment and safety aspects has been implemented as per EMP in almost all the pourashavas. Overall compliance status of EMP application and actions needed are discussed in main report. Compliance status of EMP was assessed based on the checklist as in **annexure -1** of this report and public consultation at working sites were carried out as per **annexure-2**

39. For implementation of EMP, arrangement of human safety, procurement of PPE, arrangement of sprinkler system are in most of the pourashava are satisfactory in some cases are moderately satisfactory. It has to be improved. Training has been given to the contractors; MDS specialist and PIU representative on environmental safeguard requirement. Moreover instruction is given to contractors to follow the specified clause of BID document to mitigate environmental and social impacts.

VI. MAJOR PROJECT ISSUES AND PROBLEMS

41. Field activity of the sub-projects under UGIP-2 is under progress. Till date no as such major issues and problems arise at the project locations.

VII. RECOMMENDATIONS

42. For protection of local environment during construction phase application of mitigation measures are being implemented as per specification in EMP. Public consultation during construction/implementation phase has been carried out. The general recommendations as per present observations are given in **Table 6**

43. As per ADB's new safeguard policy the project authority will establish a mechanism to receive and facilitate resolution of affected persons' concerns, complaints and grievances about the project's environmental performance. The grievances mechanism should be scaled to the risks and adverse impacts of the project. It will be addressed affected peoples' concerns and complaints promptly, using an understandable and transparent process that is gender responsive, culturally appropriate, and readily accessible to all the affected people at no cost and without retribution. The affected people will be informed by appropriate mechanism.

44. During implementation process performance monitoring fact sheet will be prepared against each possible environmental impacts and which will be attached with the monitoring report.

TABLE 6: RECOMMENDATIONS AND SUGGESTIONS

SL.No.	Issue s	Recommendations & Suggestions
1	Execution of works non-compliant to EMP	<p>Effective implementation of Environmental Management Plan has to be ensured by Contractors where the present status is moderate /below satisfactory</p> <p>Environmental Safety Officers in charge to be mobilized by Contractors for all sub-projects to carry out the environmental monitoring, reporting and other related jobs which need an expert input.</p> <p>Immediate compliance regarding protection of important units of water supply and waste water is required</p>
2	Procedural delays in obtaining clearances	<p>Applications route through different offices within the same department and despite rigorous follow up more than 4-5 months are taken by concerned authorities to grant permission/ clearance. Undue time for clearance may lead to the extension of works and levy heavy idling charges.</p> <p>To expedite the clearance process a time frame has to be fixed with respective departments and is being followed at all levels.</p>
3	Workers Health safety issues	Contractors should take proper measures to implement PPE and health safety protection measures.
4	Debris disposal	In some cases the proper debris disposal need to be carried out.

45. The action plan considered for satisfactory environmental compliance as per the present sub-project activities are given in **Table 7**

TABLE 7 : ACTION PLAN CONSIDER FOR SATISFACTORY ENVIRONMENTAL COMPLIANCE

Action	To be taken by	Time frame
Instruction to contractors and monitoring for <ul style="list-style-type: none"> • Proper disposal of debris and quick disposal of excavated surplus earth/ stone material • Complete use of PPE • Restoration of road/lane after pipe laying – at earliest <ul style="list-style-type: none"> • Camp site management • Water sprinkling at dry period • Collection of PUC certificate • Use of safety tape/ barricade/ caution board 	Contractors, PIU, MDS to follow-up	Continuous
Generation of base line/bi-annual data on air quality, noise and water (surface & ground) at intake, pipe laying site, site, bridge construction site and Municipal market site	Contractor, PIU MDS to follow-up	Under process. Bi-annual environmental monitoring should be completed by June (before monsoon) 2014
Public consultation during construction	PIU, MDS,	Done and to be continued
Follow up action for environmental clearances	PIU, MDS, PMO	At earliest

VIII. PUBLIC CONSULTATION DURING SOCIAL IMPACT AND EMP MONITORING

46. Public consultation during Social Impact and EMP monitoring was conducted in the pourashava visited during this period (January to June). During this period consultations were carried out at Maymensingh, Sreepur, Noakhali, Madhabpur, Sreemangal, Sunamganj, Golapganj, Parshuram, Basurhat, Faridpur, Banderban, Haziganj, Chandpur and Mirzapur. Details of consultations have been given in **Annexure- 3** of main report.

IX. ORIENTATION CUM TRAINING PROGRAMMES

47. The *Safeguard team of UGIIP-II* organised orientation cum training programmes on implementation of safeguard *issues* during design, construction and operation stage of the project for the PIU and contractor staffs and Municipal Engineers. To cover all the 47 pourashavas, nine training programmes were planned where participants were invited from 4/5 pourashavas at one regional venue. Summary of the proposed training programmes and the status as of 30th June 2014 is provided in **Annexure-4**. A separate report on orientation cum training programmes conducted up to 30th June, 2014 has been submitted to PMO.

X. MAJOR PROJECT ISSUES AND PROBLEMS

48. Field activity of the sub-projects under UGIIP-2 is under progress. Till date no as such major issues and problems arise at the project locations.

XI. CONCLUSION AND RECOMMENDATIONS

49. For protection of local environment during construction phase measures for minimising social impacts are being implemented as per specified in EMP. Public consultation during construction/implementation phase has been carried out. The issues and public opinion are shown in **Annexure 4** of this Environment Monitoring Report.

50. As per ADB's new safeguard policy the project authority will establish a mechanism to receive and facilitate resolution of affected persons' concerns, complaints and grievances about the project's environmental performance. The grievances mechanism should be scaled to the risks and adverse impacts of the project. It will be addressed affected peoples' concerns and complaints promptly, using an understandable and transparent process that is gender responsive, culturally appropriate, and readily accessible to all the affected people at no cost and without retribution. The affected people will be informed by appropriate mechanism.

51. During implementation process performance monitoring fact sheet will be prepared against each possible social impacts and which will be attached with the monitoring report.

PHOTOGRAPHS
(PUBLIC CONSULTATION /OPINION)

Consultation at Madhabpur Pourashava



Consultation at Sreemangal Pourashava



Consultation at Golapganj Pourashava



Consultation at Sunamganj Pourashava



Consultation at Chandpur Pourashava



Consultation at Machuabazar at Mymensingh



PHOTOGRAPHS
(TRAINING CUM ORIENTATION PROGRAMMES)

PHOTO PLATE - TRAINING



Training Programme at Sreemangal



Training Programme at Jhenaidah



Training Programme at Noakhali



Training Programme at Bandarban



Training Programme at Mymensingh



PHOTOGRAPHS
Subproject implementation at site

Madhabpur Pourashava



Construction of new palasiding at Madhabpur



Construction of new road Sreemangal Pourashava



View of New Kitchen Market in Sunamganj



Road widened without disturbing boundary wall of Religious institutions in Sunamganj



Construction of Road and drain in Parshuram Pourashava



Market under construction in Maymensingh pourashava



Completed Community centre in Mirzapur Pourashava