

In association with

Brisbane City Enterprise Pty Ltd, Australia AQUA Consultant and Associates Ltd, Bangladesh Building Design Authority, Nepal CEMAT Consultants, Nepal

Monthly Progress Report (January, 2015)

Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP), Biratnagar, Nepal

10 February, 2015



Biratnagar Sub-Metropolitan City, Nepal

Project Name:	Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP)
Project Number:	56064023
Report for:	Biratnagar Sub Metropolitan City, Nepal

PREPARATION, REVIEW and AUTHORISATION

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SMEC COMPANY DETAILS

SMEC International Pty Ltd

South Asia Regional Office, H-372, R-6, DOHS Baridhara, Dhaka, Bangladesh

Tel: +8802 841 3571

Fax: +8802 882 7545

Email: smec@smec.com

www.smec.com

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1. SALIENT FEATURE of Contract Package: STIUEIP/W/BRT/ICB-01

General Features	
Name of Project	Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP)
Executing Agency	Government of Nepal, Ministry of Urban Development Department of Urban Development and Building Construction (DUDBC)
Implementing Agency	Biratnagar Sub-Metropolitan City
Funded By	Asian Development Bank & Government of Nepal
Package	Sewerage and Drainage Network, Wastewater Treatment Plant and Road and Lanes Improvement Sub Project
Contract No.	STIUEIP/W/BRT/ICB-01
Location	Biratnagar Sub-Metropolitan City
Consultant	SMEC in association with Brisbane/AQUA/BDA/CEMAT
Contractor	CTCE-KALIKA Joint Venture
Date of Commencement	8 th December, 2013
Date of Completion	25 th May, 2016
Contract Period	900 days from date of commencement
Time elapsed till January 2015	420 days from date of commencement (47%)
Contract amount with Provisional Sum	NRs. 2,119,054,525.90
Add 13%VAT	NRs. 272,278,000.00
Total Contract Amount with VAT & PS	NRs. 2,391,332,525.90
Paid Amount of IPC 01	NRs. 209,400,000.00
Paid Amount of IPC 06	NRs. 85,573,541.38
Total Paid Amount from IPC 01 to IPC 06	NRs. 434,610,997.80

2 INTRODUCTION / BACKGROUND

- 1. SMEC International Pty (Australia) in association with Brisbane City Enterprise Pty Ltd (Australia), AQUA Consultant and Associates Ltd (Bangladesh), Building Design Authority (Nepal) and CEMAT Consultants (Nepal) have entered for a Contract of Consulting Services with Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP), Project Implementation Unit(PIU), Biratnagar Sub metropolitan City on 7th December 2011. This monthly Progress Report of December, 2014 has been submitted to the PIU as per the Work Program proposed in the consultant's technical proposal as well as TOR of the consultant.
- 2. Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP), the Department of Urban Development and Building Construction (DUDBC), under the Ministry of Urban Development (MUD) through the Government of Nepal (GoN) has received the loan from Asian Development Bank (ADB) Loan 2650-NEP. As per PAM contribution from GoN is 3.99 million USD, Asian Development Bank (ADB) 18.86 million USD and Biratnagar Sub-metropolitan City (BSMC) 1.99 million USD while contingency is 2.88 million USD for Secondary Town Integrated Urban Environmental Improvement Project (STIUEIP), Biratnagar. The cost sharing has been revised in April, 2013 as: Government of Nepal (GoN) is 5.960 Million USD, Asian Development Bank (ADB) 24.214 Million USD, TDF loan 4.098 Million USD and Biratnagar Submetropolitan City (BSMC) 2.980 Million USD and in total 37.252 Million USD.
- 3. In line with ADB's Strategy 2020 and based on Nepal's fundamental long term needs and on the GoN's priority, the ADB is continuing to support the Government in (i) improving urban infrastructure; improving access to water supply and sanitation (ii) supporting urban environmental improvement (iii) strengthening the operation and management skills of local governments. The proposed project Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP) is another step forward to promote healthy cities by creating healthier urban environments and was formulated under the PPTA 2010.
 - Contract of consulting services signed on 07 December 2011.
 - Design works commenced on 01 January 2012.
 - Final design works submitted to the Client on March 2013
 - Contract of construction works signed on 02 December 2013
 - Construction works commenced on 08 December 2013
 - Contractor's Work Program approved on 10 February 2014
 - Contractor's Work Program (Revision 02) under processing

3. SUB-PROJECT COMPONENTS

3.1 Sewer Lines

4. The prioritized sewer lines for Final Detailed Engineering Report of BSMC are as follows:

S N.	Description	Unit	Quantity
1	Sewerage Pipe Supply and Installation		62,835.0
	Reinforced Concrete Pipe laying and jointing		15,748.0
	Line T1 (Secondary	m	3,788.0

	Line T2 (Trunk)	m	7,506.0
	Line T3 (Trunk)	m	4,136.0
	Line T4 (Secondary)	m	318.0
	HDPE laying and jointing		47,087.0
	Line T1 (Secondary	m	7,124.0
	Line T2 (Trunk)	m	19,410.0
	Line T3 (Trunk)	m	18,341.0
	Line T4 (Secondary)	m	22,12.0
2	Manhole (Brick / RCC)	no.	2,019
3	Sewer Inlet	no.	3,766.00
4	House connection	no.	5,930.00
5	Reinstatement of Roads		

3.2 Storm Water Drains

5. Most of the storm drains (S13, S11, S9, S5, B1, B2, B3, CN2, CN3 and southern parts) have been provisioned as Phase I priority works. The major storm drain outlets as planned are 14 numbers and catchment areas and discharges are respectively 1,324.2 Ha and 73.21 cum/sec.

Table 1: Proposed Storm Water Drains in BSMC

S. No.	Description	Unit	Quantity
Α	Storm Drain for Northern Parts		39,379.00
I	Storm Drain Lines	m	25,388
П	Culvert	no	41
III	Outfall	no	15
``IV	House Connection Chamber	no	5,930
V	Rain Inlet	no	500
VI	Manhole	no	2,050
VII	Canal Crossing	no	10
В	Storm Drain for Southern Part		
I	Brick Masonry Drain	m	13,991
II	Cleaning and Maintenance of Existing Drain	m	7,273
Ш	Culverts	no	38
С	Rehabilitation of Existing Drain		
I	Drain Cover	m	30,467
II	Cleaning and Maintenance of Existing Drain	m	33,601

3.3 Waste Water Treatment Plants

6. The quantity of domestic waste water is calculated using water supply rate at 90 liters per person per day in the design year 2035, out of which 80% is converted into waste water. Maximum quantity of waste water is calculated taking peak factor of 1.99 to 2.5. Minimum quantity of sewage is taken as 30% of the average quantity. Commercial / Institutional / Industrial waste water quantity is calculated as 0.10 LPS/ha. While in filtration quantity is calculated as 0.14 LPS/ha in the design year 2035. The total quantity of commercial / institutional / industrial and infiltration waste water estimated as 237.79 LPS in the design year 2035 which is very large in comparison with domestic waste water quantity of 207.18 LPS. The maximum quantity (peak flow) of waste water in the design year 2035 for both Phase I and Phase II areas is estimated at 650.08LPS. The maximum quantity of the waste water for Phase I areas only is estimated at 213.97 LPS. The capacity of the Phase I WWTP has been adopted as 214LPS. The capacity of the Phase II WWTP will be thus 436LPS. Features of WWTP at Jatuwa are as follows:

Table 2: Proposed Waste Water Components in BSMC

S.N.	Description	Unit	No
	Waste Water Treatment Plant Component		
1	By Pass Chamber	no	1
2	Distribution Chamber	no	1
3	Bar Screen Chamber	no	2
4	Sump well with Pumping Station	no	2
5	Collection Chamber1	no	1
6	Oil & Grease Chamber	no	2
7	CollectionChamber2	no	1
8	Grit Chamber	no	2
9	CollectionChamber3	no	1
10	Anaerobic Pond	no	3
11	Facultative Pond	no	3
12	Collection Chamber4	no	1
13	Outfall Structure	no	1
14	Sludge Drying Bed	no	10
15	Enclosure Chamber Shed	no	1
16	Guard House	no	1
17	Office Cum Lab Building	no	1
18	Workshop Building	no	1
19	Generator / Changing House	no	1
20	Entrance Gate	no	1
21	Boundary wall	m	1,340
22	Shallow Tube Well with water Tank	set	1
23	Landscaping and Plantation works	sqm	99,915
24	Site clearance, grubbing, surface dressing	sqm	99,915

25	Road and Drain Improvement	m	1,440
26	River training works	m	600
27	Electro mechanical works	Set	1
28	Lab Equipment and installation	Set	1

3.4

Roads and Lanes

7. Most of the roads / lanes in Biratnagar are in a poor state due to lack of periodic maintenance, and need improvement, whereas some of the roads are graveled and would benefit from upgrading. In the areas where drainage and sewerage works are proposed there will be significant impact on the existing roads. Almost necessary streets are already constructed and hence the Project has considered on design based on reinstatement, rehabilitation and upgrading of existing roads and lanes.

Table 3: Proposed Roads in BSMC

Description of Item	Quantity
Main Road Improvements (Road from Puspalal Chowk to Bhatta Chowk)	2.5 Km
Reinstatement and Road Improvements (under sewer line installation)	62 Km

3.5 Environmental Aspect

- 8. The project is environmental improvement project and mainly constitutes works on sewerage and drainage improvement works in BSMC besides others. As per ADB quidelines on Environmental Assessment requirements, this project is classified as Environment Category B. According to Environmental Protection Guidelines, 2054BS, First Revised (2055BS) schedule-3, IEE is required for Operations of Sewerage Schemes under Schedule 1.h.2.e (pertaining to Rule 3). The final report on IEE was submitted and MUD had approved the IEE on May14, 2013.
- 9. Installation of functioning sewers and functioning drainage system including roads / lanes improvement in BSMC does not possess any adverse environmental impacts to its surrounding. In fact, these will greatly enhance the living conditions / hygiene of the inhabitants and facilitate transportation. Nevertheless, it is imperative to look into positive as well as negative impacts of such infrastructure development works in the urban area.
- 10. DSC has prepared and submitted Environmental Progress Report till the period July-September 2014.

3.6 Social Aspect

11. Several community development activities has been implementing in the project area based on the poverty mapping which has been conducted prior to the start of Community Development Programs. The programs are continuing through the Tol Lane Organizations (TLOs) that are almost 116 numbers in 17 wards of BSMC. DSC has analyzed the data of poor and disadvantaged groups (DAGs) living in the various Tol / clusters identified by the poverty mapping applying participatory tools. Based on the poverty indicators, all details has been documented and shown in the social map.

The program area for community development programs has been extended to most poverty stricken area scattered across several wards of the BSMC. The Community Development Program is consisted with meetings, orientation, awareness activities, skill development trainings and health, hygiene and sanitation activities which are effectively conducted and organized by the NGO (Fri-PAD) in the project. The programs have been beneficial to the targeted people that will contribute in reducing poverty and meeting the objectives of the project.

12. DSC has prepared and submitted updated Semi-Annual Social and Resettlement Report on 14th January 2015. Please see Annex-

3.7 Financial Plan

13. The Sub project cost will be disbursed in three years starting from FY2013/14 to 2015/16. It has estimated that 20 percent of the Sub project cost will be disbursed in first year. Similarly, in second year, 50 percent will be disbursed. Finally, remaining 30 percent of Sub project cost will be disbursed in third year.

3.8 Disbursement Records in Construction

Table 4: Disbursement Record in Construction to Date

S.N.	Description of Payment	Payment Items	Amount in NRs.
1	M/S Prabidhi International	Ditch Cleaning Equipment	3,300,000.00
2	M/S CTCE-Kalika JV	IPC 01	209,400,000.00
3	M/S CTCE-Kalika JV	IPC 02	27,853,500.98
4	M/S CTCE-Kalika JV	IPC 03	47,507,270.95
5	M/S CTCE-Kalika JV	IPC 04	42,241,392.52
6	M/S CTCE-Kalika JV	IPC 05	22,035,291.99
7	M/S CTCE-Kalika JV	IPC 06	85,573,541.38
		Total in NRs.	437,910,997.80
8	M/S CTCE-Kalika JV	IPC 07	Expected in early Feb 2015

4. OBJECTIVES AND SCOPE OF WORKS

4.1 Objectives

- 15. The following are the expected physical infrastructure improvement outputs of the project in Biratnagar:
 - Drainage and sewerage systems improved.
 - Urban roads and lanes improved.
- 16. Reference to the deliverables identified in the Project, indicates that there are a number of deliverables related specifically to the design aspects of the above infrastructure improvements with construction works.

4.2 Scope of Works

- 17. The scope of works for consultant's services is fairly detailed in the TOR attached with contract Agreement. The main points are summarized below:
- A. Detailed Design and Procurement Assistance Phase

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- 1. Surveys verification of Feasibility Studies and GIS Base Maps
- 2. Finalization of Design Criteria, Preparation of Manuals, Guidelines and Systems.
- 3. Specific design requirements for the sub projects
 - Improvement and development of drainage and sewerage systems
 - Improvement of urban roads and lanes
- 4. Project Planning and Management Support to PIU
- 5. Detailed Engineering Design
- B. Construction and Post Construction Management Phase
 - 1. Construction Management and Contract Administration
 - 2. Environmental and Social Compliance Monitoring
 - 3. Implementation of Community Development Program, Community Mobilization and **GESI Action Plan**
 - Capacity Building of the Municipality and Service Providers for Operational Sustainability
- C. Communications, Reporting and Deliverables (Inception Report, Monthly Progress Reports, Interim Report for each of the outputs, Annual Progress Report, Draft Final Report for each of the outputs and Final Report).

5 PROGRESS OF SUB-PROJECT COMPONENTS

5.1 Storm Water Drains

18. The Contractor has not met the target set for storm water drain construction in this month. The works had been greatly affected by interruption in the supply of bricks/ bandh from political parties and less effort observed to acquire bricks from different sources.

5.2 Sewer Lines

19. The Contractor has submitted to the Consultant monthly programs of January and February 2015 for the sewer line works. The Contractor has just completed 3.5 km sewer line with HDEP pipes. The construction of manhole and house connection chambers are in progress. Meanwhile, the contractor has started the production of precast units for house connection chamber, sewer inlets and manholes at Katahir Yard.

The proposal of the precast concrete manhole, sewer inlets and house connection chambers has been submitted for review and approval. A conditional approval in consultation with the Employer has been given to the Contractor to prepare few numbers and to demonstrate at site. If the proposal comes out to be economical, time effective and environmental friendly and structurally strong enough to carry out the function of their respective items, then the Consultant will release for unconditional approval. Precast concrete house connection, sewer inlets and manholes are being produced as trial at contractor's yard.

5.3 Wastewater Treatment Plant

20. Office cum laboratory building, workshop building and generator / changing house at WWTP, Jatuwa are ongoing at final and finishing stage. The doors and windows are being fixed and the painting works is in progress. Excavation of anaerobic ponds (3 nos) and facultative ponds (2 nos) had been already done. One of the facultative pond has to be excavated. The contractor is planning to start the remaining works of WWTP in the coming month. The Contractor have plan to start the other components such has sump well, grit chambers, collection chambers etc in 2nd week of February 2015.

5.4 Road and Lanes Improvement Works

21. The Contractor has completed the rehabilitation / repair of existing drain of 3,850 m in R2 road. The Contractor has shifted 18 numbers of electrical poles. The installation of Kerbs for footpath has been started.

5.5 Construction Materials

22. The contractor has stocked sufficient construction materials like coarse aggregates, fine aggregates, cement, reinforcement etc at his yard, Katahari. But the Contractor could not stock sufficient bricks in his yard.

5.6 Construction Material Testing Lab

23. Construction material testing laboratory has been set up at the Contractor's camp. Katahari. The validity of calibration of Lab equipment is until February 2015. Concrete mix design for M20/20 has been done in this month and results for the mix design found to be satisfactory.

The sample of reinforcement has been sent to the Department of Nepal Bureau of Standard and Metrology, Kathmandu for testing, Necessary suitability and routine tests for construction materials are being carried out in regular basis.

5.7 Physical Progress till end of January 2015

The total physical progress till 31st January 2015 is about 13%. The progress of the work is lagging behind by 7.5% compared to the planned works till 31st January 2015(based on work scheduled Rev 02).

Secondary Towns Integrated U	rban En	vironm	ental In	nprover	nent Pro	oject (S	TIUEIP),	, Biratna	agar					
Plan Vs Progress														
Month Sep-14 Oct-14 Nov-14 Dec-14 Jan-15 Feb-15 Mar-15 Apr-15 May-15														
Planned Work (%) Rev 01 0.576 1.416 8.074 9.81 9.883 10.666 10.056 9.725														
Cumulative Planned work (%)	17.098	18.514	26.588	36.398	46.281	56.947	67.003	76.728	86.593					
Planned Work (%) Rev 02				4.76	6.07	8.63	8.478	7.724	6.654					
Cumulative Planned work (%)				14.04	20.11	28.74	37.218	44.94	51.60					
Acutal achievment (%)	0.421	0.169	3.305	1.48	1.80									
Cumulative Actual Achievment (%)	5.81	5.98	9.29	10.77	12.57									
Progress to date wrt the revised work pla	n (%)	(12.53)	(17.30)	(3.27)	(7.54)									

6 SUMMARY OF ACTIVITIES CARRIED OUT UP TO PREVIOUS MONTHS

6.1 Inception Report

25. The Inception Report was prepared and submitted on 29 February, 2012.

6.2 Conceptual Catchment Plan and Design Criteria

26. The Conceptual Catchment Plan and Design Criteria was prepared and presented in PCO on 30 March, 2012.

6.3 Survey

27. The survey was completed in August, 2012

6.4 Design

- 28. The design of sewer lines, storm drains, WWTPs and appurtenances and final detailed design and estimates were submitted in March 2013.
- 29. During construction B2, B3 and S5 alternate design was also submitted. Similarly, CN2 and CN3 were submitted as the community request to reduce the size. The size was reviewed with 1 year return period as per the suggestion made by PMSC during field visit. Minor modifications in drawings are being carried out for considering the site condition and progress.

6.5 Pre-construction Activity

30. After successful completion of one stage two envelope bidding procedure the construction Contract for STIUEIP/W/BRT/ICB-01 was signed on December 2, 2013 with M/S CTCE-Kalika JV, Baluwatar, Kathmandu.

6.6 Draft Report

- 31. The construction/contract timing schedule was needed to incorporate some additional time of about 4-5 months to account for decision re-making process, tender award procedures.
- 32. The total cost as per PPTA and earlier designs increased drastically and came to be NRs. 7,274,465,206.69 and therefore needs curtailments and revisions had to be made as per suggestions by PIU in final report.
- 33. The overall works proposed in the PPTA and the area coverage with connection was thus needed to be phased out.

6.7 Final Report

- 34. The DSC submitted the Final Reports adopting cost reduction exercise by phasing out of the works. The estimated cost of the Project was reduced and kept as NRs. 3, 278, 140, 000, 00 with a lot of exercises in March 2013.
- 35. The sharing of cost by concerned institutions is as follows



Table 5: Agency-wise Financial Contribution to BSMC

Contributors	Amount (US\$)	Amount (NRs.)	%
Government of Nepal (GoN)	5,960,256	524,502,513	16.00%
Asian Development Bank (ADB)	24,213,539	2,130,791,460	65.00%
Biratnagar Sub-Metropolitan City (BSMC)	2,980,128	262,251,257	8.00%
Town Development Fund (TDF)	4,097,676	360,595,478	11.00%

7 DETAILS OF ACTIVITIES CARRIED OUT IN THIS MONTH

7.1 Physical Progress in this month

Table 6: Physical Progress in Storm Water Drains:

		Physica	al Progress	to date, 3	1 January	2015	
		Proposed	Prog				
S.N.	Location	Length (m)	Up to Dec. 2014(m)	This Month (m)	Total to date (m)	Progress (%)	Remarks
1	B1	3,950.00	2,049.00	156.00	2,205.00	56%	
2	B2	3,742.00	1,951.00	280.00	2,231.00	60%	
3	В3	3,514.00	2,418.00	324.00	2,742.00	78%	
4	S5	740.00	-	-	-	0%	
5	S9	3,178.00	492.00	24.00	516.00	16%	
6	S11	2,092.00	1,404.00	-	1,404.00	67%	
7	S13	3,910.00	2,294.00	140.00	2,434.00	62%	
8	CN2	2,273.00	595.00	25.00	620.00	27%	
9	CN3	2,170.00	700.00	20.00	720.00	33%	
10	Rani Area	8,483.00	330.00	-	330.00	4%	
11	R2 (Rehab)	4,700.00	3,040.00	810.00	3,850.00	82%	
	Total	38,752.00	15,273.00	1,779.00	17,052.00	44%	

Table 7: Physical Progress in Sewer Lines:

		Danasasas	Prog	ress			
S.N.	Location	Proposed Length (m)	Up to Previous Month (m)	This Month (m)	Total to date (m)	Progress (%)	Remarks
1	T1	10,912.00	-	-	-	0.0%	
2	T2	27,128.00	916.00	1,054.00	1,970.00	7.3%	
3	Т3	23,070.00	250.00	1,319.00	1,569.00	6.8%	
4	T4	2,530.00	-		-	0.0%	
	Total	63,640.00	1,166.00	2,373.00	3,539.00	5.6%	

Table 8: Physical Progress in Roads and Lanes:

S.N.	Location	(km) 3,T4 and 2 65.0	Progr Up to Previous Month (m)	ress This Month (m)	Total to date (m)	Progress (%)
1	T1, T2,T3,T4 and R2	65.0	-	0	0	Installation of Kerbs in progress
	Total	65.0				

Table 9: Physical Progress in Waste Water Component:

S.N.	Location	Description	Completed Items to Date	Progress in %
1	Jatuwa	Excavation of Anaerobic Pond	3 nos	Ongoing
2	Jatuwa	Excavation of Facultative Pond	2 nos	Ongoing
3	Jatuwa	River Training Work	480 m	Additional one layer of gabion is in progress
4	Jatuwa	Boundary Wall	580 m	
5	Jatuwa	Office Cum Lab Building		White wash/painting / Electrical fittings
6	Jatuwa	Workshop Building		Plasters/ Floors
7	Jatuwa	Generator / Changing House		Plasters/ Floors

Table 10: Physical Progress of Precast Concrete Works:

S.N.	Location	Description	Up to Previous Month	This Month	Total to date	Remarks
1	Katahari	Precast Slab	18,253	1,962	20,215	
2	Katahari	Precuts	2,983	627	3,610	
3	Katahari	Kerb Stone	4,962	296	5,258	

Table 11: Physical Progress of Hume Pipe (NP3): Production Detail

S.N.	Diameter (mm)	Pipes Required	Up to previous month	This Month	Total to date	Pipes to produce (Balance)	Remarks
1	200		1,562.00	0	1,562.00		
2	300		106.00	22	128.00		
3	350		74.00	16	90.00		
4	400		82.00	28	110.00		
5	450		42.00	10	52.00		
6	500		102.00	24	126.00		
7	600		433.00	42	475.00		
8	700		501.00	89	590.00		
9	900		119.00	31	150.00		
10	1000		297.00	73	370.00		
11	1600		152.00	17	169.00		
	Total		3,470.00	352.00	3,822.00		

Contractor's Manpower:

Table 12: Contractor's key staffs:

Designation	No	Remarks
Project / Contract Manager	1	
Site Engineer / QC Manager	1	
Planning/Construction Engineer	1	
Site Engineers	5	
Senior Lab Manager	1	
Junior Engineer	13	
Sub Overseers	5	
Safety Manager / Senior Supervisor	1	
Accountant / Office Manager	1	
Store Keeper	1	
Light Drivers	5	
Machine Operator	5	
Site Supervisor	1	
Other Supporting Staff	22	
Skilled Labour at Site	92	
Unskilled Labour at Site	205	

Contractor's Equipment:

Table 13: Contractor's Equipment:

Equipment	No	Remarks
Back Hoe JCB	3	
Loader	1	
Excavator	2	
Excavator with Long Boom	1	At Camp
Plate Compactor	2	
Concrete Mixer	5	
Concrete Batching Plant	1	
Kerb Stone Machine	1	
Trailer	1	
Transit Mixer	1	
Water Bowser	2	
Steel Cutter	4	
Dumping Tractor	8	
Monkey Jumper	1	
Needle Vibrator	8	
Tipper	2	
Total Station	1	
Level Machine	6	
Jeep	5	
Motor Bike	8	

7.2 Cumulative Progress (S Curve)

Contractor's Revised Cumulative Progress S-Curve

Cont		2,119,054,525.90		J 1	101		Cu		4111					_	Co																			
Item	Decodetion	Amount	Relative Weight in	Year	2013				4		Year	2014							01 2		10		Year	2015							Υe	ar 20)16	
No.	Description	(NRs)	weight in	Month	Dec	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May
1	Preliminary and General	16,850,000,00	0.795	Program	0.000	0.326	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0.013	0013	0.013	00137	9.043	-0.0H3 →	0:045	0.015	0.013	0.013	0.119
	Works	77		Achieve	0.000	0.326	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.000	0.000	0.000	0.000	0.900	0.000	0.000	0.000	0.000	0.000	0.000	0,000	0.000	0.000	0.000	0.000
2	Civil Works	1,972,492,008.90	93.08	Program	0.000	0.005	0.508	0.369	0.295	1.811	1.509	0.100	0.384	0.408	0.150	3.293	4.549	5.859	7.607	7.454	7.513	6.078	5.050	1.742	1.503	0.000	0.000	3.366	6.433	9.047	8 546	6.788	2.617	0.000
Н				Achieve	0.000	0.005	0.508	0.369	0.295	0.000	0.000	0.100	0.384	0.408	0.150	0.000	0,000	0.000	0.000	0.000	0.000	0.365	0.000	0.000	0.000	0.000	0.000	0,000	0.000	0,000	0.000	0.000	0.000	0.000
3	Electro- mechanical Works	18,884,000.00	0.89	Program Achieve	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	,	0,000	0.000	0.000	0.000	0,000	0.000	0.000	0.000	0.000	0.000	N. T. San C. No.	vised Pr	1003/04/05
Н	Provisional			Program	0.000	0.000	0.000	0.000	0.000	0.000	0,000	0.000	0.000	0.000	0.000	0.000	0.196	0.196	0.196	£196	0.196	0.19	0.196	0.1963	9.065	0.065	0.065	0.196	0.196	0.196	0.197	Or	iginal Pr	ogram
4	Items and Provisional Sum	63,741,517.00	3.01	Achieve	0.000	0,000	0.000	0.000	0.000	0.000	0.000	0,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.000	0.000	2000	0.000	0.000	0.000	0.000	0.000	0,000	0.000	0.000		hievem vise@Pr	
Н	Operation &		in the second	Program	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.813	0.813	0.000	9:000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5 1	Maintenance Equipment and Machinaries	34,450,000.00	1.63	Achieve	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0,000	0.000	0.000	0,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
,	Laboratary	6,000,000,00	0.28	Program	0.000	0,000	0,000	0.000	0,000	0.000	0,000	0,000	0,000	0.000	0,000	0.000	0,000	0.000	0.000	0.000	0,000	0.000	0.000	0,000	0.000	0,000	0.000	0.000	0,000	0.000	0,000	0,000	0.174	0.109
6	Equipment	8,000,000,00	0.28	Achieve	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0,000	0.000	0.000	9.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0,000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	Operation and Maintenance	6,000,000.00	0.28	Program	0.000	0,000	0,000	0.000	0,000	0.000	0.000	0.000	0,000	0,000	0,000	0,000	0,000	0.000	0.000	0,000	0,000	0,000	0.000	0,000	0.000	0,000	0,000	0,000	0,000	0,000	0.000	0,000	0.000	0,283
Щ	Mantenance			Achieve	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.408	0.000	0.000	0.000	0.000	0.000	2.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	Dayworks	637,000.00	0.03	Program	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Н	The second		100.00	Achieve	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Н	Total	2,119,054,525.90															8								- 1									\vdash
	riginal ogram		6 age		0.347	0.074	3.181	6.282	7.931	3.017	2.219	1.212	0,476	2.710	3.643	3.662	3.700	4.435	4.401	4.460	4.456	4.401	3.802	1.168	3.018	3.658	4.413	3.645	3,597	4.707	4,728	3.150	2.891	0.616
1000		Cumulative 9	∞ aye		0.347	0.421	0.559	9.884	2.288	6.606	23.050 4.806	1.003	0.183	0.576	1.416	8.074	38.454 9.810	42.889 9.883	47.290 10.666	10.056	100000000	9.865	7.445	65.577 2.284	0.247	72.253 0.159	76.666 0.145	0.145	0.145	0.145	0.079	96.492	99.383	0.787
20012	evised ogram-1	Cumulative			0.005	0.555	1.114	1.635	3.924	10.530	15.336	16.339	16.522	17.098	18.514	26.587	36.397	46.280	56.946	67.002		86.593	94.037	96.321	96.567	96.726	96.871	97.016	97.161	97.306	97.386	97.986	99.213	100.00
_		% age	6 age		0.000	0.331	0.520	0.381	0.307	1.823	1.521	0.113	0.397	0.421	0.162	3.305	4.760	6.070	8.630	8.478	7.724	6.654	5.699	2.040	1.581	0.079	0.079	3.577	6.643	9.257	8.857	7.000	3.002	0.577
	evised ogram-2	Cumulative 5			0.000	0.331	0.851	1.232	1.540	3.363	4.883	4.996	5,393	5.813	5.975	9.281	14.040	20,110	28.740	37.218	2322281	51.596	57.295	59.335	60,916	60.995	61.074	64.650	71.294	80.551	89.408	96.407	99.410	100.0
Ach	ievemen	%	6 age		0.000	0.331	0.520	0.381	0.307	1.823	1.521	0.113	0.397	0.421	0.162	3.305	1.148	1.799	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0,000	0.000	0.000	0.000	0.000	0.000	0.000	0,000	0.000
Acii	t	Cumulative 9	% age		0.000	0.331	0.851	1.232	1.540	3.363	4.883	4.996	5.393	5.813	5.975	9.281	10.429	12.228	12.228	12.228	12.228	12.228	12.228	12.228	12.228	12.228	12.228	12.228	12.228	12.228	12.228	12.228	12.228	12.228



8 DETAILS OF SAFEGUARD ACTIVITIES (SOCIAL, ENVIRONMENTAL AND RESETTLEMENT ACTIVITIES AND ISSUES)

8.1 Social Issues

8.1.1 Operational Guidelines for Community Mobilization and Implementation of

35. Community Development Program (CDP) is one of the major components of the project to be implemented. The NGO (Fri-PAD) working for the Project has been responsible for conducting community development activities at various ward/tole levels of BSMC. In this reference, the Draft Operational Guideline for Community Mobilization and Implementation of the Community Development Program (CDP) has been prepared and submitted to PIU on 29 August 2012. The Guideline has covered the role and responsibilities of different stakeholders, scope and procedure of Community Development Program (CDP) and possible steps and process for community mobilization.

8.1.2 Operational Guidelines for implementation of GESI Action Plan

- 36. The GESI Implementation Plan has been envisaged certain target to achieve in the sector of women and disadvantaged groups of the project areas. GESI approach, its policy and strategy has to address the issues of women and disadvantaged groups to streamline in project context. Besides this, implementation modality for the effective execution of the plan was also needed. In this regard, the Operational Guideline for Implementation of GESI Action Plan has been prepared in Nepali version and submitted to PIU on 28 August 2012. The guideline has covered GESI approach in the project, national context related to women and disadvantaged groups, implementing activities focused by the project and monitoring mechanism of the activities.
- 37. The table below shows the involvement of disadvantaged groups in the construction:

Table 14: Disadvantaged Groups involved in Construction

S.N.	Description	Percentage (%)
1	Dalit	19.9
2	Janajati	35.0
3	Muslim	13.8
4	Brahmin-Chettri	7.8
5	PichhadaBarga	23.5

38. Regarding on the social aspect, poverty mapping reports have been submitted by the NGO. The activities are in progress at ward/ Tole level as per the poverty indicators, need assessment and priority ranking identified by the social mobilisers/ facilitators applying of participatory tools in the community. Operational Guideline for the Implementation of GESI Action Plan, revised GESI Implementation Plan, Operational Guideline for Community Mobilization and Implementation of CDP has already submitted by DSC.

8.2 Environmental Issues

39. IEE notice was published in newspaper Kantipur national daily on 2069/6/20 in this month. Baseline data for IEE has been collected from the project site during last dry season. TOR was approved on September 12, 2012 by MUD and PIU informed on September 19, 2012. Draft IEE report submitted to PIU. IEE Report presented at MUD on March 22, 2013. Final Report submitted to PIU on April 10, 2013. IEE report/proposal was approved by MUD on May 14, 2013. Updated Environmental Progress and Monitoring Report submitted to PIU on February 26, 2013. Environmental orientation/training has been organized on 30 April, 2014. Updated Environmental Progress and Monitoring Report submitted to PIU on 22 October 2014.

8.3 Resettlement Issues

- 40. For the construction of Waste Water Treatment Plants (WWTPs) along with other required facilities at treatment plants, necessary land has been already procured at two places respectively at ward numbers 18 and 22 viz. at Jatuwa 10 ha and at Rani 1 ha.
- 41. Sewer/ Drainage lines are being carried primarily on public rights of way. During construction however, if there is any area affected namely trees or crops or structures demolished, it shall be properly addressed with compensation. Similarly, private individuals or shopkeepers will also be looked into if their livelihood is affected by the disturbance during constructions/ pipe laying works. A resettlement plan will be prepared before taking up the constructions.
- 42. Apart from this the project does not encounter any resettlement or location and any compensation issue.
- 43. Updated Social Safeguards Report submitted to PIU on April 12, 2013.
- 44. Updated Social Safeguards Report submitted to PIU on February 15, 2014
- 45. Updated Social Safeguards Report submitted to PIU and approval of RP as per informal notice.

9 KEY ISSUES AND REMARKS / REASON FOR DEVIATION (IF ANY) AFFECTING PROGRESS

- 46. Following are the key issues affected in progress:
 - · Interruption on supply of bricks
 - Limited site possession and Right of Way (RoW)
 - Underground utilities (optical fiber cables, water supply pipe line etc)
 - Shifting of electrical poles and transformers
 - Dispute from local people
 - Bandhs called by political parties
 - Contractor's less efforts to the construction

10 WORK PLAN FOR THE NEXT MONTH

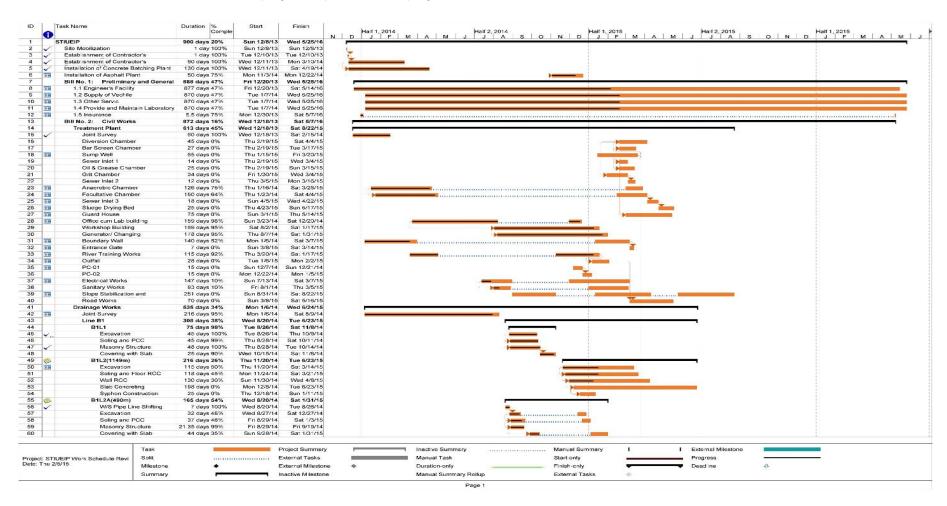
- 47. Following are the Contractor's works in the next month:
 - · Continuation of storm water drains
 - Continuation of sewer pipe lines including manholes, sewer inlet chambers and

house connecting chambers

- Construction at WWTP, Jatuwa
- Road construction from Pushpalal Chowk to Panitanki and others
- Production of precast RCC items (hume pipe, kerb stone, chamber, manhole, drain cover slab etc)
- Suitability tests and routine tests of construction materials at Lab and site
- Start for excavation of Sump well, Grit chambers etc at WWTP, Jatuwa

ANNEX-1: Work Schedule (Rev.02) (Under Review) and Progress

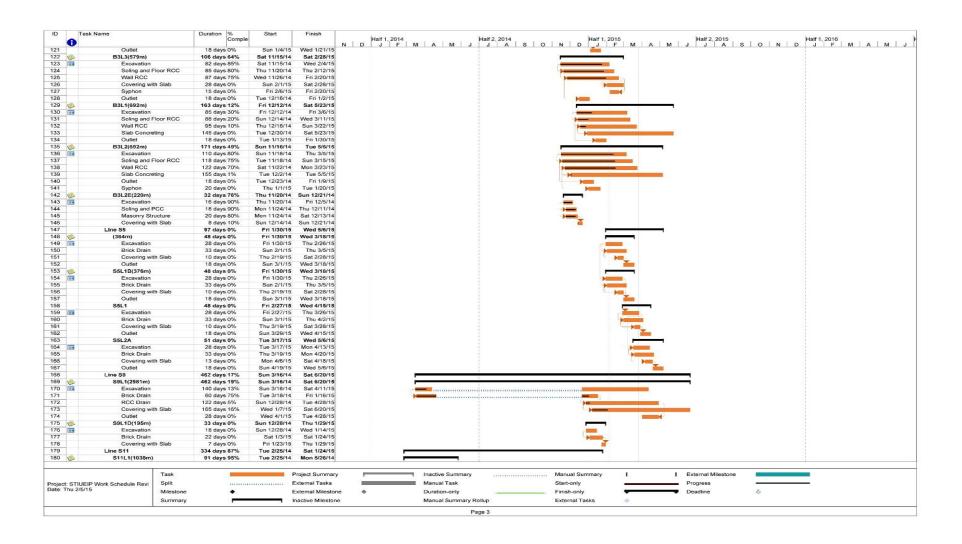
Note: Please refer to the contractor's progress report for details program.













2: Photographs



RCC pipe of Dia. 1,000 mm ready for installation along T2 near WWTP, Jatuwa



RCC pipe of Dia. 1,000 mm laid along T2 near WWTP, Jatuwa





White wash/ Painting in progress of Office cum Lab Building, WWTP at Jatuwa



Brick Masonry Drain in progress at Pushpalal Road (R2)





Foundation For Brick Masonry Drain at Pushpalal Chowk



Back filling in progress at B3 Storm Drain





Placing of Kerbs for Footpath in progress at Pushpalal Road



A Stone Masonry Manhole in Progress at S13 Storm Drain Site



ANNEX-3: FINANCIAL STATUS (DETAILS OF SUBMITTED INVOICES AND RECEIPT OF PAYMENTS WITH KEY DATES)

Invoice #	For Month	Invoice Amount in	cluding VAT	Received A	Amount	Remarks
Invoice 01	Advance	NRs. 9,866,160.40	USD 104,621.20	NRs. 9,866,160.40	USD 104,621.20	Received
Invoice 02	Inception Report	NRs. 1,947, 420	USD 52,721.00	NRs. 1,947, 420.08	USD 52,721.00	Received
Invoice 03	Jan +Feb, 2012-months Invoice	NRs. 2,387,262.11	USD 4, 243.15	NRs. 2,028,542.10		Partly received
Invoice 04	March, 2012	NRs. 537,546.65	USD 2,276.95	NRs. 351,430.00		Partly received
Invoice 05	April, 2012	NRs. 396,065.00		NPR 233,910.00		
Invoice 06	Vehicle Invoice	NRs. 8,000,000.00		NRs. 8,000,000.00		Received
Invoice 07	May- month Invoice	NRs. 502,324.55		NRs 233,910.00		Partly received
Invoice 08	June-month Invoice	NRs. 464,430.00		NRs 256,510.00		Partly received
Invoice09	Interim Report		USD 70,295.04		USD 70,295.04	
Invoice 10	Interim Report	NRs. 2,596,560.10		NRs 2,596,560.10		Received
Invoice 11	April-June,2012		USD 1,270.00			Not received
Invoice 12	July-month Invoice		USD 2,015.00			Not received
Invoice 13	Survey Invoice	NRs. 2,166,775.00		NRs. 2,166,775.00		Received

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Site Office: Katahari, Judi

Monthly Progress Report

January 2015

Invoice 14	July-month Invoice	NRs. 669,751.00		NRs. 321,146.00		Partly received
Invoice 15	August month Invoice		NRs. 337,870.00			
Invoice 16	September month Invoice	NRs. 328, 830.00	USD 3, 361.75	NRs. 314,140.00		Partly received
Invoice 17	Survey Works Invoice	NRs. 1,166,775.00		NRs. 324,310.00		Received
Invoice 18	Monthly Invoice Oct.12	NRs. 357,080.00	USD 2895.00			Not received
Invoice 19	Environmental Base line survey	NRs.144,634.35				Received
Invoice 20	Monthly Invoice Nov.12	NRs. 4,407.00	US\$ 331,090.00			Partly received
Invoice 21	Monthly Invoice-Dec.2012	NRs. 449,175.00	US\$ 1,909.70			Not received
Invoice 22	Draft Report Invoice	NRs. 5,193,120.21	US\$140,590.08	NRs. 5,193,120.21	USD102,123.91	Received
Invoice 23	Geotechnical Investigation Invoice	NRs. 191,741.23				Received
Invoice 24	Vehicle hard top Invoice	NRs. 707,125.70		NRs. 707,125.70		Received
Invoice 25	Monthly Invoice Jan13	NRs. 410,868.00	USD 4,327.90			Partly received
Invoice 26	Monthly Invoice Feb13	NRs.324,310.00	USD 3,051.00			Partly received
Invoice 27	Monthly Invoice Mar 13	NRs. 404,467.68	USD 4553.90			Partly received
Invoice 28	Final Report Invoice	NRs. 3,245,700.13	USD 87,868.80			Partly received
Invoice 29	Monthly Invoice April 13	NRs. 340,695.00	USD 1,322.10			Partly received
Invoice 30	Monthly Invoice April 13	NRs. 671,951.00	USD 4,4435.25			Partly received

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Contractor: CTCE-KALIKA J.V. Site Office: Katahari, Judi

Monthly Progress Report

January 2015

Invoice 31	Monthly Invoice June 13	NRs. 1,107,583.06	USD 2,203.50		Partly received

Invoice #	For Month	Amount include	ding VAT	Received Amount	Remarks
Invoice 32	Additional Survey	NRs. 1,050,052.00			Not received
Invoice 33	Monthly Invoice July 13	NRs. 589,490.49	USD 1,542.45		Partly received
Invoice 34	Monthly Invoice August 13	NRs. 701,094.94	USD 00.00		Partly received
Invoice 35	Monthly Invoice Sept. 13	NRs. 424,773.78	USD 00.00		Not received
Invoice 36	Monthly Invoice Oct. 13	NRs. 458,661.35	USD 00.00		Not received
Invoice 37	Monthly Invoice Nov. 13	NRs. 450,085.78			Partly received
Invoice 38	Monthly Invoice Dec. 13	NRs. 501,084.94	NRs. 483,004.38		Partly received
Invoice 39	Monthly Invoice Jan. 2014	NRs. 695,501.44	NRs. 609,960.44		Partly received
Invoice 40	Monthly Invoice Feb. 2014	NRs. 613,180.94	NRs. 613180.94		Received
Invoice 41	Monthly Invoice Mar. 2014	NRs.1,308,022.46	NRs. 599,281.94		Partly received
Invoice 42	Monthly Invoice Apr. 2014	NRs. 861,039.32	NRs. 716,817.76		Partly received
Invoice 43	Geotechnical Inv. II	NRs. 549,989.85	NRs. 549,989.85		Received
Invoice 44	Monthly Invoice May 2014	NRs. 1,170,291.64	NRs.965,435.84		Partly received
Invoice 45	Monthly Invoice June 2014	NRs.1,163,214.09	NRs. 950,892.74		Partly received

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Contractor: CTCE-KALIKA J.V. Site Office: Katahari, Judi

Monthly Progress Report

January 2015

Invoice 46	Monthly Invoice July 2014	NRs. 854,199.00	USD18,465.92	NRs. 719,321.84	USD 0.00	Partly received
Invoice 47	Monthly Invoice August 2014	NRs 865,951.00	USD 0.00	NRs.726,553.84	USD 0.00	Partly received
Invoice 48	Monthly Invoice September 2014	NRs 777,343.07	USD 0.00	NRs. 552,829.90	USD 0.00	Partly received
Invoice 49	Monthly Invoice October 2014	NRs 841,778.13	USD 0.00	NRs. 657,106.30	USD 0.00	Partly received
Invoice 50	Monthly Invoice November 2014	NRs 1,306,536.89	USD 0.00	NRs. 768,654.25	USD 0.00	Partly received
Invoice 51	Monthly Invoice December 2014	NRs 1,348,791.74	USD 0.00			Not Received

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Site Office: Katahari, Judi

ANNEX-4: STATUS OF ACTIONS AGREED WITH PREVIOUS ADB LOAN REVIEW MISSION

S. No.	Agreed Items in ADB Review Mission with DSC on April 2014	Status	Responsibility
1	Updated RP not submitted	Report Submitted till December, 2014	DSC/PMSC
2	DSC will review its construction supervision plan (including international experts inputs) against the contractors approved scheduled and submit it to PIU.	Draft Plan submitted	DSC
3	Submission of implementation status of EMP to ADB in quarterly basis	Report Submitted till September, 2014	DSC/PMSC

ANNEX-5: PROFESSIONAL INPUT AS PER CONTRACT VS INPUT USED TILL THIS REPORTING PERIOD

S.No.	Expert / Position	Total man months Input (as per agreement)		Man	Balance			
A	Professional Staff	Design	Construction		Up to Dec. 2014	Jan. 2015	Total	
A1	International Professional Staff							
1	Sewerage and Drainage Engineer	8	4	12	7.37	0.00	7.37	4.63

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Contractor: CTCE-KALIKA J.V. Site Office: Katahari, Judi

S.No.	Expert / Position	Total man months Input (as per agreement)		Man months Used in 2012/013/014			Balance	
	Sewage Treatment Specialist (1 day at May,							2.99
2	2014)	5	4	9	6.01	0.00	6.01	
3	PPP Specialist	2		2	2.00	0.00	2.0	0.00
A2	Domestic Professional Staff				Up to Dec. 2014	Jan 2015	Total	
4	Team Leader/ S-D Engineer	12	24	36	25.23	1.00	26.23	10.77
5	Sewage Treatment Specialist	8	18	26	10.50	0.00	10.5	15.50
6	Procurement Specialist	5	2	7	8.75	0.00	8.75	(1.75)
7	DTL/ Quantity Surveyor	9		9	10.00	0.00	10.0	(1.00)
8	Urban Planner	4	2	6	5.00	0.00	5.0	1.00
9	Financial Expert	5		5	6.00	0.00	6.0	(1.00)
10	Institutional Development Specialist	2	3	5	2.00	0.00	2.0	3.00
11	PPP Specialist	3		3	3.00	0.00	3,0	0.00
12	Roads Specialist	4	8	12	6.45	0.00	6.45	4.55
13	Civil and Structural Specialist	6	2	8	7.95	0.00	7.95	0.05
14	Electrical Engineer	3	1	4	3.50	0.00	3.5	0.50

S.No.	Expert / Position	Total man months Input (as per agreement)			Man months Used in 2012/013/014			Balance
15	Mechanical Engineer	3	1	4	3.90	0.00	3.9	0.10
16	Construction Management Specialist		10	10	0	0.00	0.0	10.00
17	Environmental Specialist (0.10 mm in Dec, 2014)	8	12	20	10.20	0.00	10.2	9.80
18	Social Development Specialist	8	15	23	14.00	1.00	15.0	8.00
19	Construction Supervision Engineer		30	30	12.00	1.00	13.00	17.00
20	Asst. Construction S Engineer- 1		30	30	6.50	1.00	7.50	22.50
	Asst. Construction S Engineer- 2		30	30	8.70	1.00	9.70	20.30
21	Senior Statistician	4		4	4.00	0.00	4.00	0.00
22	Geologist	1		1	1.00	0.00	1.00	0.00
23	Biologist	1		1	1.00	0.00	1.00	0.00
24	Geo-technical Engineer	1		1	2.40	0.00	2.40	(1.40)
25	GIS Expert	2		2	4.00	0.00	4.00	(2.00)
26	Senior Surveyor	2		2	2.00	0.00	2.00	0.00
	Network Modular				8.00	0.00	8.00	(8.00)
	Hydrologist				4.00	0.00	4.00	(4.00)

S.No.	Expert / Position	Total man months Input (as per agreement)	Mai	Man months Used in 2012/013/014			
A-3	Support Staff						
27	Junior Engineer-1	49	36	1.00	37.00	12.00	
	Junior Engineer-2	49	36	1.00	37.00	12.00	
	Junior Engineer-3	24	3	1	4.00	20.0	
	CAD Operators	20	0.00	0.00	0.00	20.00	
28	Accountant / Office Manager	49	36.00	1.00	37.00	12.00	
29	Secretary / Computer Operator	49	34.75	1.00	35.25	13.25	
30	Driver-1	49	29.27	1.00	30.27	18.73	
	Driver-2	49	28.10	1.00	29.10	19.90	
30	Office Assistant	49	35.50	1.00	36.50	12.50	

Contractor: CTCE-KALIKA J.V. Site Office: Katahari, Judi

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ANNEX-6: MINUTES OF MEETING

Contractor: CTCE-KALIKA J.V. Site Office: Katahari, Judi

Secondary Towns Integrated Urban Environmental Improvement Project (STIUEIP), Biratnagar

MEETING NOTES

Sewerage and Drainage Network, Wastewater Treatment Plant, and Roads and Lanes Improvement Subproject

(Contract # STIUEIP/W/BRT/ICB-01)

Meeting held:

: 02 January 2015 Date

Time: 1:00 PM

Venue: PM's Office, PIU, STIUEIP, Biratnagar

Subject:

Progress Meeting No 02

Client

BSMC, STIUEIP, Government of Nepal

Present

Mr. Gopal Prasad Regmi, Chief & Executive Officer (CEO), BSMC

Mr. Upendra Prasad Baral, Project Manager (PM), PIU

Mr. Bharat Neupane, Deputy Project Manager (DPM), PIU

Mr. Prakash Chaudhary, Project Engineer (PE), PIU

Mr. Dil Bahadur Rana, Construction Supervision Engineer (CSE), Consultant

Mr. Jaya Prakash Yadav, ACSE, Consultants

Mr. Bhakta Raj Shakya, ACSE, Consultants

Mr. Bal Ram Mayalu, Social Development Specialist (SDS), Consultants

Mr. Ujjwal Prasai, Project Manager, CTCE- Kalika JV, Contractor

Mr. Santosh Pudasaini, Planning Engineer, CTCE- Kalika, Contractor

	ACTION by
The meeting was chaired by Mr. Gopal Prasad Regmi, CEO.	
1) Usage of Excavated Gravel / Sub Base / Base Material:	Contractor
The Contractor raised the issue regarding the usage of excavated gravel / Sub	Consultant
Base / Base Material of existing road pavement in sewer lines. After discussion, it	
was decided that the Consultant has to develop Record Sheet of Excavated Gravel /	
Sub Base / Base Material. The excavated material can be used as bedding	
materials for HDEP and Hume pipes in sewer lines, if suitable. A new Item for the	
use of existing material should be analysed based on cost of manpower and	
equipment only; excludes the cost of existing material.	
2) Soil Management:	
The Contractor raised the issue regarding soil management while excavating the	Contractor
deep trenches for sewer lines and market area due to tight Right of Way (RoW).	Consultant
After discussion, it was decided that the Contractor needs to work within the limit of	
RoW. Therefore, the Contractor has to prepare a Methodology for Soil Management	
in consultation with the Consultant especially where deep trenches and market	
area. The Contractor is solely responsible not to damage any properties of the	
local people.	
3) Scarcity of Bricks:	
The Contractor raised the issue regarding the scarcity of bricks and stoppage of	
brick masonry works due to the Banda called by Tarun Dal (a Sister Organization	Contractor
of Nepali Congress). Mr. Gopal Prasad Regmi (CEO) advised the Contractor can	
bring the required bricks with the assistant of the local administration. Furthermore,	
it was agreed to use the other alternatives like RCC works and stone masonry	
works instead of brick masonry works in this critical situation.	
4) Project Sign Board:	
Mr. Gopal Prasad Regni (CEO) and Mr. Bharat Neupane (DPM) advised to the	
	Contractor
Contractor to erect sufficient project sign board in prime locations of the project. The Contractor said that he has already creeted 2 near and others are not	
The Contractor said that he has already erected 2 nos. and others are not	

Consultants: SMEC in association with BCE, AQUA, BDA and CEMAT

provisioned in the BoQ. Following the instruction of Mr. Upendra Baral (PM), the Contractor agreed to erect more project sign boards in prime locations. This was agreed that the estimate for additional sign boards should be included in next

Page 2 of 3

Variation Order (VO). Project sign boards for drainage and sewerage shall be erected separately.

5) Shifting of Electric Poles:

The Client queried the Contractor about status of shifting of electric poles at R2 road. The Contractor answered that he is in consultation with Nepal Electricity Authority and shifting shall be started from 05 January-2015.

Contractor

6) Dedicated Line / Electricity Power Transmission Line:

Mr. Upendra Baral (PM) has queried the Consultant about the provision of dedicated line from Rani Substation to the Jatuwa WWTP. The Consultant responded that 1,500 m is already in the BoQ (3.11) which is insufficient. The required length will be confirmed soon.

Consultant

7) Collection of Applications about Sewer Lines:

The local people started to submit the applications to include their respective area to the Biratnagar Sub-metropolitan City, PIU regarding the sewer lines in this project. Mr. Upendra Baral (PM) advised the Consultant to measure and prepare the cost estimates as per the applications. Mr. Gopal Prasad Regmi (CEO) informed that these additional works shall be included in the Second Phase.

Client Consultant

8) Marking of Right of Way (RoW):

The Consultant requested to the Client to mark the Right of Way (RoW) in sewer lines where the Contractor is working now. Mr. Gopal Prasad Regmi (CEO) informed all to send his team in appropriate time. Furthermore, he advised the Contractor to expedite the works where the site possession is already done.

Client Consultant Contractor

9) Quantity of Road Side Drain, Sub Base and Base Course in Roads of Sewer Line:

The Consultant informed the Client that the quantities of BoQ for road side drains, sub base and base course material for roads are not sufficient. The Client advised the Consultant to call Road Specialist and review the quantities.

Consultant Client

Distribution: To the Client, Contractor and Consultant

The meeting was closed at 2:45 PM.

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Consultants: SMEC in association with BCE, AQUA, BDA and CEMAT

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farduri. 2 याट निर्माण राने निर्माण गरी परिष्णानावार स्थाना निर्णाय के 3 भाग नः २,२,६,७,८५५० हान्यतामा जिल्लानाड्डी मामाजिन विवास वाट (नामर्व भएता द्वापाइ प्राथमिकताद) निर्मा गरीयी | FAMISI 8 Annal enterental ded ones toma du उपमान्डाबाट दिएवा पत्रमा कामगदी र परिपानवाकी जांकी विमाणकार्य मध्य मुगड्य नागर्ने नारी परावेड्डी विमेण मा स्टिड्राय नारी प्रतिबह्नता नारेपी

ANNEX-7: A CONCISE SUMMARY OF SEMI-ANNUAL REPORT OF RESETTLEMENT AND SOCIAL ASPECT

Contractor: CTCE-KALIKA J.V. Site Office: Katahari, Judi

Progress Update up to December 2014 addressing Resettlement and Social Safeguard Issues in STIUEP, Biratnagar

(Semi-Annual Period; July 2014- December 2014)

General

- 1. In the semi-annual period (July-December 2014), Design and Supervision Consultant (DSC)/STIUEIP focused on monitoring of all ongoing social activities of project. In addition to this, it assisted Project Implementation Unit (PIU) in effective implementation of social activities as and when necessary during these months. Furthermore, the DSC reviewed and appraised the project documents consisting with monitoring, outcome and impact framework as well as Updated Resettlement Plan, Indigenous Peoples' Plan, GESI and Social Safeguard Action Plan. In the same way, establishment and functioning of Social Safeguard Desk in PIU has accomplished in the month of December 2014.
- 2. Many formal and informal meetings had taken place during this period. DSC had sit together with PIU and NGO in developing procedural document to address the activities included in updated resettlement plan (November 2014) of the project. Similarly, the safeguard desk members observed the ward no.18 of BSMC regarding on the assessment of the situation in the project affected area. The significant achievement of this period is activities like collect and updates the progress of social development sector made by the entire project focusing on community development and capacity building activities. The additional achievements are to visit project communities for dissemination of project features and upcoming events that has direct consequences to the community people.
- 3. Regular visits and monitoring with NGO/STIUEIP to the community development activities that has been implementing in the project area based on the poverty mapping has provided insights of the social development aspects of the project to the DSC. The programs are continuing through the Tol Lane Organizations (TLOs) that are almost 119 numbers in 17 wards of BSMC. Prior to the start of such community development activities, DSC has analyzed the data of poor and disadvantaged groups (DAGs) living in the various tole/ clusters identified by the poverty mapping applying participatory tools. Based on the poverty indicators, all details has been documented and shown in the social map. The program area for community development programs has been extended to most poverty stricken area scattered across several wards of the BSMC. The Community Development Program is consisted with meetings, orientation, awareness activities, skill development trainings and health, hygiene and sanitation activities which are effectively conducted and organized by the NGO (FriPAD) in the project. The programs have been beneficial to the targeted people that will contribute in reducing poverty and meeting the objectives of the project.

Operational Guidelines for Community Mobilization and Implementation of

CDP

4. Community Development Program (CDP) is one of the major components of the project to be implemented. The NGO (fri-PAD) working for the project has been

responsible for implementing community development activities at various ward/tole levels of BSMC. The programs are complying with the Operational Guideline for Community Mobilization and Implementation of the Community Development Program (CDP) that has been prepared by DSC. The Guideline has covered the role and responsibilities of different stakeholders, scope and procedure of Community Development Program (CDP) and possible steps and process for community mobilization.

Assessment of Effectiveness of CDP

5. An assessment team from ADB visited to the project in 25-26 December, 2014. The team has been deployed for effectiveness study of Community Development Program (CDP) initiatives in improving overall water, sanitation and Hygiene (WASH) situation of the communities. The team visited to project clusters and interacted with target people. They observed the small scale infrastructure as small facilities implemented with technical support of NGO/STIUEIP. The team also discussed on the effectiveness of skill and entrepreneurship development supported by STIUEIP Biratnagar.

Skill Trainings

6. The SDS of DSC participated in a meeting in PIU (29 December) for appraising of skill development trainings that has been conducted by the project in various trades. The meeting reviewed the past trainings and analysed its consequences. A committee comprised with SDS/DSC, TL/CDP and SDC/PIU formed in the meeting for developing new criteria, selection of participants and execution of training program in future.

3R Program

7. 3R (Reduce, Reuse and Recycle of Waste in household) is a major part of community development program of STIUEIP. SDS of DSC participated in a meeting for discussion and planning a 3R piloting project in the core area (Ward no. 8, 9, 12 and 14) of Biratnagar Sub-Metropolitan city. SDS/ DSC provided input in the meeting for the effective implementation of such program.

Operational Guidelines for implementation of GESI Action Plan

- 8. The GESI Implementation Plan has been envisaged certain target to achieve in the sector of women and disadvantaged groups of the project areas. GESI approach, its policy and strategy has to address the issues of women and disadvantaged groups to streamline in project context. Besides this, implementation modality for the effective execution of the plan has also been addressed. For this, the Operational Guideline for Implementation of GESI Action Plan has been prepared in Nepali version and submitted to PIU. The guideline has covered GESI approach in the project, national context related to women and disadvantaged groups, implementing activities focused by the project and monitoring mechanism of the activities.
- 9. Regarding on the social aspect, the NGO has assessed poverty status in the project area applying participatory tools and methods through Tole and Lane

Organizations (TLOs). A poverty mapping reports also has been submitted by the NGO. The activities are in progress at ward/ Tole level as per the poverty indicators, need assessment and priority ranking identified by the social mobilisers/ facilitators applying different relevant assessment tools in the community. Operational Guideline for the Implementation of GESI Action Plan, revised GESI Implementation Plan, Indigenous Peoples' Plan, Updated Resettlement Plan, Operational Guideline for Community Mobilization and Implementation of CDP has already submitted to the project authority by DSC and NGO.

Establishment of Safeguard Desk

10. A Safeguard Desk is established in the project for planning, monitoring and follow up of resettlement plan. A functional mechanism has been started consisted with PIU, NGO and DSC for this purpose. The desk consist with Social Development Chief of PIU, Team Leader of CDP/ NGO and SDS of DSC with close consultation and guidance of PM/ PIU. It is in compliance with the Aide Memoire of last ADB Mission (21 April-12 May 2014). It is decided that the desk will review, update and discuss of progress, issues, constraints and challenges of social aspects, Community Development Program and implementation of resettlement plan as well as monitoring of social development activities. (Meeting Minute in Annex IX)

Observation Visit

- 11. According to the decision made at the meeting of Safeguard Desk on 7 December, an observation visit and meeting with community people has been conducted in 8 December 2014. A team consisted with PIU, CDP and DSC representatives visited the field and consulted with the community people. The main objective of the visit was to assess the sanitary condition of that area and to consult with people addressing their demands regarding of land filling and drain construction around the temple area. As the Safeguard Desk meeting has already decided that the task is related to sanitation and improvement of drainage outlet around the area and matching the community development criteria being facilitated and implemented by NGO. The team found some disputes among community people that be resolved prior to start up the activities to address the resettlement plan. So, the visiting team suggested to people for resolving the dispute as soon as possible then come with concrete proposal for smooth implementation of programs. (Observation Visit report in Annex X)
- 12. Sewer/ Drainage lines are being carried primarily on public rights of way. During construction however, if there is any area affected namely trees or crops or structures, it will be properly addressed with compensation. Similarly, private individuals or shopkeepers will also be looked into if their livelihood is affected by the disturbance during constructions/ pipe laying works. A resettlement plan will be prepared before taking up the constructions.
- 13. Apart from this, the project does not encounter any resettlement or re-location and any compensation issue.

Equal wage to Women

14. SDS/DSC has been monitoring the labours working in the construction sites of the project. However, very few women are working in the construction activities but they are paid equal to men for similar type of work. The contractor has been suggested to increase the work opportunity to women in different types of works.

ADB Review Mission

15. In this period (3-4 December), ADB Resident Mission visited the project site. DSC briefed and presented the status of social development initiatives. The presentation was a glance how the initiatives guided project to mainstream gender for empowerment and benefit sharing. The major highlights of the presentation were focused on resettlement aspects, gender and the project benefits to the poor community in the project area. To get acquainted with project initiatives, the Mission Team had visited in community development program area to observe and interact with local people and stakeholders.

Meeting Minute: 02

Meeting of Safeguard Desk for Planning Monitoring and Follow up of Resettlement Plan/ STIUEIP Biratnagar

Venue: Project Implementation Unit (PIU)/ STIUEIP, Biratnagar

Date: 2 January 2015

Time: 11:00 AM- 12:30 PM

Attended:

Upendra Prasad Baral- Project Manager/ STIUEIP, Biratnagar

Punam Kumar Dahal- Chief, Social Development/ PIU, STIUEIP Biratnagar

Noor Jang Thapa- Team Leader/CDP, STIUEIP (NGO)

Bala Ram Mayalu- Social Development Specialist/ DSC, STIUEIP

Discussion Agenda:

- 1. Regular monthly meeting for Planning Monitoring and Follow up of social/ community development activities in STIUEIP, Biratnagar
- 2. Follow up of previous meeting decisions/ actions
- 3. Skill Development Trainings
- 4. Community Consultation for Sewerage Line Construction Works
- 5. Reports of Gender and Social inclusion Action Plan (GES! AP)
- 6. Resettlement Plan Update Report

Discussion and Decisions

S.No.	Agenda	Discussions and Decisions	Action	Responsible Persons/ Organizations	Time Frame
1.	Regular monthly meeting for Planning Monitoring	The second meeting of Safeguard Desk started with a consensus of all participants that it is established in STIUEIP Biratnagar for planning, monitoring and follow up of social/ community development activities on project. It is a functional	Next meeting: 6 February	Incorporate feedback and input:	

Page 1 Safeguard Desk Meeting Minute

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	and Follow up of social/ community development activities in STIUEIP, Biratnagar	mechanism that has been started consisted with PIU, NGO and DSC for this purpose. The desk consist with Social Development Chief of PIU, Team Leader of CDP/ NGO and SDS of DSC with close consultation and guidance of PM/ PIU. It is in compliance with the <i>Aide Memoire</i> of the ADB Mission (21 April-12 May 2014). It is decided that the desk will review, update and discuss of progress, issues, constraints and challenges of social aspects, Community Development Program and implementation of resettlement plan as well as monitoring of social development activities, GESI AP, skill development trainings, awareness raising	2015	SDS/DSC Produce final minute: SDS/ DSC Filling and Record Keeping:	Input and feedback anticipated up to 4PM; 11 January 2015
2.	Follow up of	activities and other safeguard issues. According to the decision made at the meeting of Safeguard Desk on 7 December,		CDC/ PIU	4
	previous meeting decisions/ actions	an observation visit and meeting with community people has been conducted in 8 December 2014. A team consisted with PIU, CDP and DSC representatives visited the field and consulted with the community people. The main objective of the visit was to assess the sanitary condition of that area and to consult with people addressing their demands regarding of land filling and drain construction around the temple area. As the Safeguard Desk meeting has already been decided that the task is related to sanitation and improvement of drainage outlet around the area and matching the community development criteria being facilitated and implemented by NGO. The team found some disputes among community people that to be resolved prior to start up the activities to address the resettlement plan. So, the visiting team suggested to people for resolving the dispute as soon as possible then come with concrete proposal for smooth implementation of programs. The copy of latest updated Resettlement Plan prepared by DSC has been provided			
3.	Skill Development	to NGO. This meeting reviewed the decisions made on the last meeting in PIU at 29	Call and		0.5
	Trainings	December for appraising of skill development trainings that has been conducted by the project in various trades. Based on the field visit with ADB consultants for	arrange a meeting of		

Page 2 | Safeguard Desk Meeting Minute

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	and Social inclusion Action Plan (GESI AP)	inclusion Action Plan (GESI AP) to DSC at the time of submitting to PIU periodically.	
5.	Resettlement Plan Update Report	SDS of DSC is preparing semi-annual update report of social safeguard aspect based on resettlement plan of STIUEIP Biratnagar. SDS informed in the meeting that the report will be submitting to PIU up to 12 th of January 2015. As the ADB review mission team has informed that it needs to be submitted up to 15 th of January 2015.	

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Meeting Minute: 03

Meeting of Safeguard Desk for Planning Monitoring and Follow up of Resettlement Plan/STIUEIP Biratnagar

Venue: Project Implementation Unit (PIU)/ STIUEIP, Biratnagar

Date: 12 January 2015

Time: 13:00-14:00

Attended:

Upendra Prasad Baral- Project Manager/ STIUEIP, Biratnagar

Punam Kumar Dahal- Chief, Social Development/ PIU, STIUEIP Biratnagar >

Noor Jang Thapa- Team Leader/ CDP, STIUEIP (NGO)

Bala Ram Mayalu-Social Development Specialist/ DSC, STIUEIP

Discussion Agenda:

Queries of people regarding on the public Right of Way (RoW) for roads and drainage works of project.

Discussion and Decisions

Page 1

Agenda	Discussions and Decisions	
Queries of people regarding	This meeting of Safeguard Desk is called for discussion on the queries of people regarding on the public Right of Way (RoW)	
the public Right of Way	for roads and drainage works of STIUEIP, Biratnagar. The desk reviewed the queries of two people with the Project Manager	
(RoW) for roads and	(PM) about the public notice of Biratnagar Sub-Metropolitan City (BSMC) published in Newspaper for RoW clearance.	
drainage works of project.	As the Project Manager (PM) responded to the public, the notice and related matters are concerned with BSMC as per the	
	prevailing rules and regulations. The project construction works are executed as per its plan, policy and approved standard.	
	The meeting decides that it does not affect the project work in context of resettlement and social safeguard concerns.	

Safeguard Desk Meeting Minute III

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Annex 8: Contractor's Progress Report