USAID FROM THE AMERICAN PEOPLE

PAKISTAN

CONSTRUCTION MONITORING & EVALUATION PROGRAM

(Strengthening & Improvement of Peshawar – Torkham Road, Khyber Agency)

MONTHLY PROGRESS REPORT # 38

MAY 2016

TABLE OF CONTENTS

EXECUTIVE SUMMARY **1**

1. PROJECT BACKGROUND **3**

1.1 SCOPE OF WORK 4
1.2 PROJECT STAFF 5

2. PHYSICAL PROGRESS (PIL 05 & PIL 06) **7**

2.1 SECTION-IV (KM 19+000 TO KM 21+100 & KM 22+400 TO KM 24+000 & LOOP # 02) 7
2.2 SECTION-V (KM 21+100 - 22+400 & 24+000- 29+000) 8
2.3 SECTION-VI (KM 29+000 - 33+000) 9
2.4 SECTION-VII (KM 33+000 TO KM 37+000) 10
2.5 SECTION-VIII (KM 37+000 TO KM 41+000) 12
2.6 SECTION-IX (KM 41+000 – KM 43+465 & LOOP 3) 13
2.7 FORECASTED COMPLETION PIL 05, 06 & 07 14

3. FINANCIAL PROGRESS (BUDGET / ACCRUED / ACCRUALS) **15**

4. M&E ACTIVITIES DURING THE REPORTING PERIOD **16**

4.1 FIELD INSPECTIONS 16
4.2 IPCS CERTIFICATIONS 16
4.3 CONSTRUCTION ACTIVITIES MONITORED 16
4.4 FIELD OBSERVATIONS & FOLLOW UP 17
4.5 MEETINGS 17
4.6 LABORATORY TESTS 17

Annexes

Annex-I: Photographs

DISCLAIMER

This report is made possible by the generous support of the American people through the United States Agency for International Development (USAID). The contents are the responsibility of AGES Consultant and do not necessarily reflect the views of USAID or the United States Government.

EXECUTIVE SUMMARY

Revised PIL 05, 06 & 07 was approved during the reporting month. Both flexible and rigid pavements of 46 km length have been substantially completed and are open for traffic. Minor finishing works are in progress in Section 07 & 09. Physical progress achieved during the reporting month was 0.30%, totaling to 99.78% with accruals of US$ 83,093,436 out of US$ 83,279,775. Total amount certified till end of the month was US$ 79,658,309.

PIL wise progress is as follows:

- **PIL 01** *(Section-I km 0+000 – km 9+000)*:
  100% completed, and all milestones certified with accrued expenditure of US$ 9,978,082

- **PIL 02** *(Section-II km 9+000 – km 14+000)*:
  100% completed, and all milestones certified with accrued expenditure of US$ 9,383,484

- **PIL 03** *(Section-III km 14+000 – km 19+000)*:
  100% completed, and all milestones certified with accrued expenditure of US$ 9,512,705

- **PIL 04** *(Bridges at km9+560 & km23+750; Multi cell culverts at km11+190 & km22+925):*
  100% completed, and all milestones certified with accrued expenditure of US$ 3,668,533

- **PIL 05** *(Section-IV km 19+000 km 21+100 & km 22+400- km 24+000 & Loop # 02; Section-V km 21+100 - 22+400 and 24+000 - 29+000; Section-VI km 29+000- 33+000; Construction of Bridges at km 18+475, km 27+000 & km 27+250; Rehabilitation of Bridges at km 2+200, km 11+560 & km 21+320)*:
  After re-appropriation of milestones as per revised PIL, all milestones are 100% completed however accrued expenditure is US$ 24,273,649 out of US$ 24,901,643.

- **PIL 06** *(Section-VII km 33+000 - km 37+000; Section-VIII km 37+000 - km 41+000)*
  Progress achieved during the reporting month was 1% attaining total physical progress 99% with accrued expenditure of US$ 15,251,617 out of US$ 17,796,243.

- **PIL 07** *(Section-IX km 41+000 - km 43+465 & Loop -3)*
  After re-appropriation of milestones as per revised PIL, all milestones are 100% completed however accrued expenditure is US$ 7,590,241 out of US$ 8,039,087.

Construction activities on additional works, including Jamrud By-pass, Landikotal Bazar & culverts were also monitored. PIL for these additional items is yet to be constituted.

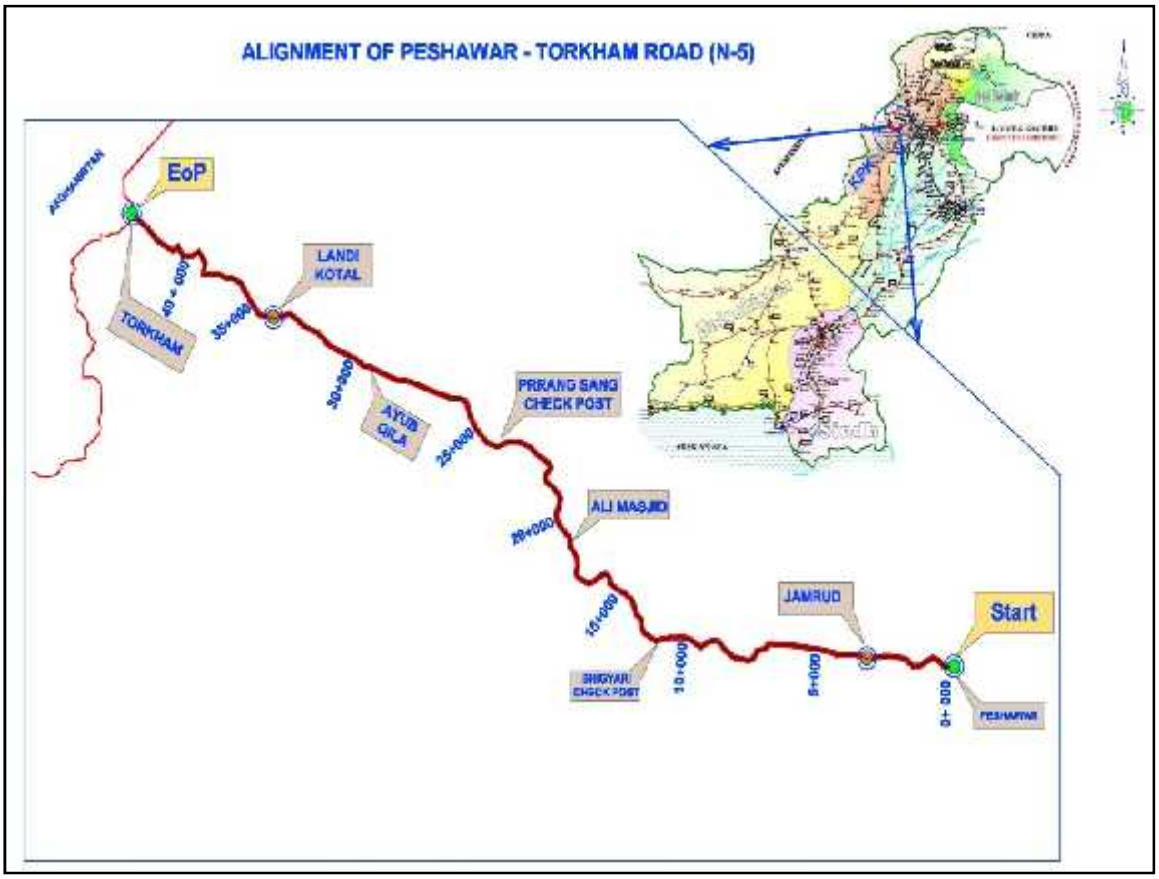
MATTERS REQUIRING ATTENTION

1. Constitution of Last PIL & Completion of Remaining Works

PIL # 5, 6, and 7 were amended and paid accordingly, while PIL# 8 for additional work is yet to be signed. The pace of work is next to none, FWO should be advised to complete the minors works the soonest.

1. PROJECT BACKGROUND

The Peshawar–Torkham road is an integral part of National Highway (N-5), a vital piece of the nation's infrastructure, which connects Pakistan with Afghanistan at Torkham border and plays an important role in the economic activities as well as providing timely logistic support to the security agencies deployed in Khyber Agency. In order to strengthen and improve Peshawar road an Activity Agreement between FATA Secretariat & US Agency of International developments was signed on September 18, 2012 obligating US$ 67,000 Million for the project.



The project is implemented by FATA Secretariat and executed through Frontier Works Organization (FWO) under the FARA contracting mode of USAID. FWO is also fully responsible for the design and construction of the project in conformity with the NHA's specifications and standard engineering practices .NESPAK is providing design and control services to FWO. While AGES Consultants has been entrusted with the Construction Monitoring and Evaluation Services, including Quality Assurance and Environmental Monitoring of the project on behalf of the USAID Pakistan Mission by signing agreement on September 30, 2012. Construction activities by the contractor started on October 15, 2012. Agreed project completion date is June 30, 2016.

1.1 Scope of Work

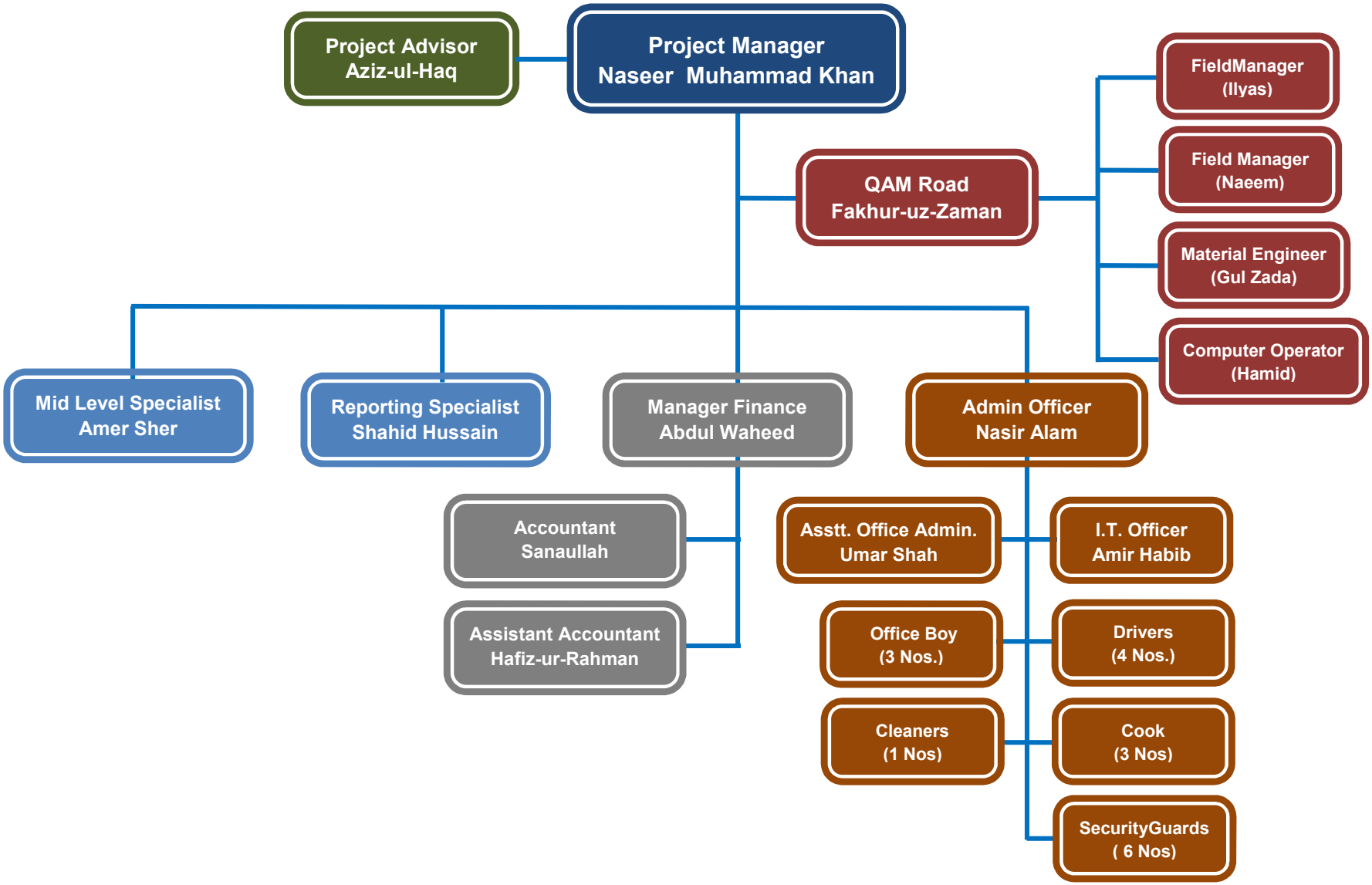
As per activity agreement the 46 km Peshawar – Torkham road has been split into multiple sections for designing / construction purposes. PIL wise detail is given in the table below:

PIL No	Components	Allocated Amount US$	PIL Expiry Date	Revised Allocated Amount US$	PIL Expiry Date
PIL 01	a) Section-I (km 0+000 - km 9+000)	9,978,082	Dec 31, 2014	-	Dec 31, 2014
PIL 02	a) Section-II (km 9+000 - km 14+000)	9,383,484	Dec 31, 2014	-	Dec 31, 2014
PIL 03	a) Section-III (km 14+000 - km 19+000)	9,512,705	Dec 31, 2014	-	Dec 31, 2014
PIL 04	a) Construction of Bridge at km 9+560 b) Construction of Bridge at km 23+750 c) Multi cell Culvert at km 11+190 d) Multi cell Culvert km 22+925	3,668,533	Dec 31, 2014	-	Dec 31, 2014
PIL 05	a) Section-IV (km 19+000 – km 21+100 & km 22+400 – km 24+000 & Loop # 02) b) Section-V (km 21+100 - km 22+400 & km 24+000 – km 29+000) c) Section-VI (km 29+000 – km 33+000) d) Construction of Bridge at km 18+475 e) Construction of Bridge at km 27+000 f) Construction of Bridge at km 27+250 g) Repair of Bridge at km 2+200 h) Repair of Bridge at km 11+560 i) Repair of Bridge at km 21+320	25,444,269	Dec 31, 2015	24,901,643	Jun 30, 2016
PIL 06	a) Section-VII (km 33+000 – km 37+000) b) Section-VIII (km 37+000 - km 41+000)	17,626,462	Dec 31, 2015	17,796,243	Jun 30, 2016
PIL 07	a) Section-IX (km 41+000 – km 43+465 & Loop3)	8,751,166	Jun 30, 2016	8,039,087	Jun 30, 2016

1.2 Project Staff

Following 32 Staff members (Technical = 7 & non technical = 25) are currently working on the project.

Organization Chart for CMEP Office, Peshawar



2. PHYSICAL PROGRESS (PIL 05, 06 & 07)

2.1 Section-IV (Km 19+000 to Km 21+100 & Km 22+400 to Km 24+000 & Loop # 02)

Sr No.	Section IV (Km 19+000 to Km 21+100 & Km 22+400 to Km 24+000 & Loop # 02)	Total No of Milestones	Till Previous Month		Current Month		Total	
			No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed
1	Earth work	10.32	10.32	100%	-	-	10.32	100%
2	Sub base & base course							
a	Granular sub base	10.32	10.32	100%	-	-	10.32	100%
b	Water bound macadam	7.08	7.08	100%	-	-	7.08	100%
c	Asphaltic base course	7.08	7.08	100%	-	-	7.08	100%
3	Surface courses and pavement							
a	Asphaltic concrete for wearing course & allied activities	7.08	7.08	100%	-	-	7.08	100%
b	Rigid pavement (Half Pavement Width)	6.48	6.48	100%	-	-	6.48	100%
c	ACWC & allied activities on existing bridges	1.00	1.00	100%			1.00	100%
4a-i	Retaining wall (RW-2) Total L = 4025 m							
a	Retaining wall : H= 1.00 m ; L= 500m	2.00	2.00	100%	-	-	2.00	100%
b	Retaining wall : H= 1.5 m ; L= 900m	3.00	3.00	100%	-	-	3.00	100%
c	Retaining wall : H= 3.0 m ; L= 50m	1.00	1.00	100%	-	-	1.00	100%
d	Retaining wall : H= 3.5 m ; L= 575m	5.75	5.75	100%	-	-	5.75	100%
e	Retaining wall : H= 4.0 m ; L= 875m	8.75	8.75	100%	-	-	8.75	100%
f	Retaining wall : H= 5.0 m ; L= 125m	1.00	1.00	100%	-	-	1.00	100%
g	Retaining wall : H= 6.0 m ; L= 750m	15.00	15.00	100%	-	-	15.00	100%
h	Retaining wall: H= 8.0 m ; L= 250m	5.00	5.00	100%	-	-	5.00	100%
4a-ii	Breast wall - 325m	3.25	3.25	100 %	-	-	3.25	100 %
4b-i	Construction of New culverts-Flexible pavement							
i	1 x 2 x 2.5	1.00	1.00	100%	-	-	1.00	100%
ii	1 x 2 x 2.5 (20 deg skew)	2.00	2.00	100%	-	-	2.00	100%
iii	1 x 2 x 2.5 (20 deg skew) - loop # 2	2.00	2.00	100%	-	-	2.00	100%
4b-ii	Construction of New culverts (replacement of old) -Flexible pavement							
i	2 x 3 x 2.5	1.00	1.00	100%	-	-	1.00	100%
ii	2 x 3 x 2.0	1.00	1.00	100%	-	-	1.00	100%
iii	1 x 2 x 3 - loop # 2	1.00	1.00	100%	-	-	1.00	100%
iv	1 x 2 x 3 (15 deg skew) - loop # 2	1.00	1.00	100%	-	-	1.00	100%
v	1 x 2 x 2.5 - loop # 2	1.00	1.00	100%	-	-	1.00	100%
vi	90 cm Pipe Culvert (Loop#2)	1.00	1.00	100%			1.00	100%
4b-iii	Construction of new culverts (replacement of old) rigid pavement 1 x 2 x 2.5 - loop # 2, 1 x 2 x 3 loop #2, Service ducts	1.00	1.00	100%	-	-	1.00	100%
5a	Drainage & erosion works (road side drain)							
i	Drain type D-1 covered (150 m)	1.00	1.00	100%	-	-	1.00	100%
ii	Drain type D-1a uncovered (400 m)	1.00	1.00	100%	-	-	1.00	100%
iii	Drain type D-2 covered (225 m)	1.00	1.00	100%	-	-	1.00	100%
iv	Drain type D-2a uncovered (200 m)	1.00	1.00	100%	-	-	1.00	100%
v	Drain type D-4 (700 m)	2.00	2.00	100%	-	-	2.00	100%
vi	Drain type D-3 (3511 m)	7.80	7.80	100%	-	-	7.80	100%
5b	Road protection works : Metal guard rail (50m) , Barrier (200m)	1.00	1.00	100%	-	-	1.00	100%
i	Crash Barrier (246 m at Loop#2)	1.00	1.00	100%			1.00	100%
6	Ancillary works(traffic road signs, pavement marking / studs & km posts)	1.00	1.00	100%	-	-	1.00	100%
7	Diversion	5.16	5.16	100%	-	-	5.16	100%
	TOTAL	**128.08**	**128.08**	**100%**	**-**	**-**	**128.08**	**100%**

2.2 Section-V (Km 21+100 - 22+400 & 24+000- 29+000)

Sr No.	Section V (Km 21+100 - 22+400 & 24+000- 29+000)	No of Milestones	Till Previous Month		Current Month		Total	
			No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed
1	Earth work	12.60	12.60	100%	-	-	12.60	100%
2	Sub base & base course				-	-		
a	Granular sub base	12.60	12.60	100%	-	-	12.60	100%
b	Water bound macadam	10.47	10.47	100%	-	-	10.47	100%
c	Asphaltic base course	10.47	10.47	100%	-	-	10.47	100%
3	Surface courses and pavement				-	-		
a	Asphaltic concrete for wearing course & allied activities	10.47	10.47	100%	-	-	10.47	100%
b	Rigid pavement (Half Pavement Width)	2.90	2.90	100%	-	-	2.90	100%
4a-i	Retaining wall (RW-2) Total L = 3375 m							
a	Retaining wall : H= 1.00 m ; L= 925m	3.08	3.08	100%	-	-	3.08	100%
b	Retaining wall : H= 2.5 m ; L= 350m	2.00	2.00	100%	-	-	2.00	100%
c	Retaining wall : H= 3.0 m ; L= 925m	3.08	3.083	100%	-	-	3.083	100%
d	Retaining wall : H= 3.5 m ; L= 300m	2.00	2.00	100%	-	-	2.00	100%
e	Retaining wall : H= 4.0 m ; L= 350m	2.00	2.00	100%	-	-	2.00	100%
f	Retaining wall : H= 4.5 m ; L= 50m	1.00	1.00	100%	-	-	1.00	100%
g	Retaining wall : H= 5.0 m ; L= 50m	1.00	1.00	100%	-	-	1.00	100%
h	Retaining wall: H= 6.0 m ; L= 325m	3.25	3.25	100%	-	-	3.25	100%
i	Retaining wall: H= 7.0 m ; L= 100m	1.00	1.00	100%	-	-	1.00	100%
j	Parapet walls : L = 925 m	5.00	5.00	100%	-	-	5.00	100%
k	Retaining wall (PCC): H= 3.0 m; L= 400m	3.00	3.00	100%	-	-	3.00	100%
4a-ii	Breast wall - 455m				-	-		
a	Breast wall (RW-3) H=2.0 m , L=55 m	1.00	1.00	100%	-	-	1.00	100%
b	Breast wall (RW-3) H=3.0 m , L= 400 m	2.00	2.00	100%	-	-	2.00	100%
4b-i	Construction of New culverts-Flexible pavement				-	-		
i	1 x 2 x 2.5	1.00	1.00	100%	-	-	1.00	100%
ii	1 x 3 x 2.5	1.00	1.00	100%	-	-	1.00	100%
4b-ii	Construction of New culverts (replacement of old) -Flexible pavement				-	-		
i	1x 2 x 2.5 (20 deg skew)	2.00	2.00	100%	-	-	2.00	100%
ii	Pipe Culvert (1.5 m dia)	1.00	1.00	100%	-	-	1.00	100%
Iii	1 x 3 x 2	2.00	2.00	100%	-	-	2.00	100%
Iv	1 x 3 x 2.5	1.00	1.00	100%	-	-	1.00	100%
v	1 x 3 x 3 (20 deg skew)	1.00	1.00	100%	-	-	1.00	100%
vi	2 x 3 x 2.5 (45 deg skew)	1.00	1.00	100%	-	-	1.00	100%
vii	3 x 3 x 2.5 (20 deg skew)	1.00	1.00	100%	-	-	1.00	100%
viii	1 x 3 x 4 (25 deg skew)	1.00	1.00	100%	-	-	1.00	100%
ix	Service ducts (17 Nos)	17.00	17.00	100%	-	-	17.00	100%
4b-iii	Construction of causeways L = 234.00 m	1.00	1.00	100%	-	-	1.00	100%
5a	Drainage & erosion works (road side drain)				-	-		
i	Drain type D-1 covered (800 m)	4.00	4.00	100%	-	-	4.00	100%
ii	Drain type D-1a uncovered (1600 m)	4.00	4.00	100%	-	-	4.00	100%
iii	Drain type D-2 covered (1225 m)	2.60	2.60	100%	-	-	2.60	100%
iv	Drain type D-2a uncovered (2240 m)	4.98	4.98	100%	-	-	4.98	100%
v	Drain type D-4 (475 m)	1.00	1.00	100%	-	-	1.00	100%
vi	Drain type D-3 (225 m)	1.00	1.00	100%	-	-	1.00	100%
6	Ancillary works(traffic road signs, pavement marking / studs & km posts)				-	-		
i	Traffic signs / Km Posts	1.00	1.00	100%	-	-	1.00	100%
ii	Pavement Markings / Studs	1.00	1.00	100%	-	-	1.00	100%
7	Diversion	6.30	6.30	100%	-	-	6.30	100%
	TOTAL	**144.82**	**144.82**	**100%**	**-**	**-**	**144.82**	**100%**

2.3 Section-VI (Km 29+000 - 33+000)

Sr No	Section VI (Km 29+000 – 33+000)	No of Milestones	Till Previous Month		Current Month		Total	
			No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed
1	Earth work	8.00	8.00	100%	-	-	8.00	100%
2	Sub base & base course							
a	Granular sub base	8.00	8.00	100%	-	-	8.00	100%
b	Water bound macadam	6.03	6.03	100%	-	-	6.03	100%
c	Asphaltic base course	6.03	6.03	100%	-	-	6.03	100%
d	Earthen dowel	1.00	1.00	100%	-	-	1.00	100%
3	Surface courses and pavement							
a	Asphaltic concrete for wearing course & allied activities	6.03	6.03	100%	-	-	6.03	100%
b	Rigid pavement (Half Pavement Width)	2.88	2.88	100%	-	-	2.88	100%
4a	Retaining wall (RW-2) Total L = 1175 m							
a	Retaining wall : H= 2.5 m ; L= 275m	2.75	2.75	100%	-	-	2.75	100%
b	Retaining wall : H= 3.0 m ; L= 450m	4.50	4.50	100%	-	-	4.50	100%
c	Retaining wall : H= 3.5 m ; L= 100m	1.00	1.00	100%	-	-	1.00	100%
d	Retaining wall : H= 4.0 m ; L= 100m	1.00	1.00	100%	-	-	1.00	100%
e	Retaining wall : H= 4.5 m ; L= 250m	2.50	2.50	100%	-	-	2.50	100%
4b-i	Construction of New culverts-Flexible pavement 1 x 2 x 3.5 (40 deg skew)	1.00	1.00	100%	-	-	1.00	100%
4b-ii	Construction of New culverts (replacement of existing) -Flexible pavement							
i	1x 2 x 4.5 (20 deg skew)	1.00	1.00	100%	-	-	1.00	100%
ii	1 x 2 x 3 (25 deg skew)	1.00	1.00	100%	-	-	1.00	100%
iii	2 x 3 x 5 (25 deg skew)	1.00	1.00	100%	-	-	1.00	100%
4b-iii	Construction of New culverts on W&S road							
i	1 x 2 x 2 (14.70 m length)	1.00	1.00	100%	-	-	1.00	100%
ii	1 x 2 x 2 (12.00 m length)	1.00	1.00	100%	-	-	1.00	100%
iii	Service ducts	13.00	13.00	100%	-	-	13.00	100%
4c	Construction of causeways L = 265.00 m	1.00	1.00	100%	-	-	1.00	100%
5a	Drainage & erosion works (road side drain)							
i	Drain type D-1 covered (625 m)	1.25	1.25	100%	-	-	1.25	100%
ii	Drain type D-1a uncovered (2400 m)	4.80	4.80	100%	-	-	4.80	100%
iii	Drain type D-2 covered (450 m)	1.00	1.00	100%	-	-	1.00	100%
iv	Drain type D-2a uncovered (1225 m)	2.45	2.45	100%	-	-	2.45	100%
v	Drain type D-4 (525 m)	1.00	1.00	100%	-	-	1.00	100%
vi	Drain type D-3 (100 m)	1.00	1.00	100%	-	-	1.00	100%
vii	Drain type D-3 (225 m) W&S Road	1.00	1.00	100%	-	-	1.00	100%
5b	Road Protection works							
i	Gabion (300m)	1.00	1.00	100%	-	-	1.00	100%
6	Ancillary works(traffic road signs, pavement marking / studs & km posts)							
i	Traffic signs / Km Posts	1.00	1.00	100%	-	-	1.00	100%
ii	Pavement Markings / Studs	1.00	1.00	100%	-	-	1.00	100%
7	Diversion	4.00	4.00	100%	-	-	4.00	100%
8a	Monuments & Weigh Station							
i	Weight Station (1Nos)	1.00	1.00	100%	-	-	1.00	100%
ii	Monuments (01 Nos)	1.00	1.00	100%	-	-	1.00	100%
8b	Relocation of Buildings				-	-		
i	Relocation of Boundary walls	1.00	1.00	100%	-	-	1.00	100%
ii	Relocation of Buildings	1.00	1.00	100%	-	-	1.00	100%
8c	Relocation of MES Water Supply line (Km 30+700 to 33+850)	1.00	1.00	100%	-	-	1.00	100%
	TOTAL	**94.22**	**94.22**	**100%**	**-**	**-**	**94.22**	**100%**

2.4 Section-VII (Km 33+000 to Km 37+000)

Sr No	Section VII (Km 33+000 – 37+000)	No of Milestones	Till Previous Month		Current Month		Total	
			No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed
1	Earth work	8.00	8.00	100%	-	-	8.00	100%
2	Sub base & base course							
a	Granular sub base	8.00	8.00	100%	-	-	8.00	100%
b	Water bound macadam	6.50	6.50	100%	-	-	6.50	100%
c	Asphaltic base course	6.50	6.50	100%	-	-	6.50	100%
3	Surface courses and pavement							
a	Asphaltic concrete for wearing course & allied activities	6.50	6.50	100%	-	-	6.50	100%
b	Rigid pavement	3.00	3.00	100%	-	-	3.00	100%
4a	Retaining wall (RW-2) Total L = 1225 m							
a	Retaining wall : H= 1.00 m ; L= 300m	2.00	2.00	100%	-	-	2.00	100%
b	Retaining wall : H= 1.50 m ; L= 50m	1.00	0.80	80%	0.20	20%	1.00	100%
c	Retaining wall : H= 2.00 m ; L= 40m	1.00	1.00	100%	-	-	1.00	100%
d	Retaining wall : H= 2.50 m ; L= 80m	1.00	1.00	100%	-	-	1.00	100%
e	Retaining wall : H= 3.00 m ; L= 250m	2.00	2.00	100%	-	-	2.00	100%
f	Retaining wall : H= 3.50 m ; L= 200m	2.00	2.00	100%	-	-	2.00	100%
g	Retaining wall : H= 4.00 m ; L= 50m	1.00	0.80	80%	0.20	20%	1.00	100%
h	Retaining wall : H= 6.00 m ; L= 225m	3.00	3.00	100%	-	-	3.00	100%
i	Retaining wall : H= 8.00 m ; L= 30m	1.00	1.00	100%	-	-	1.00	100%
4b-i	Construction of New culverts-Flexible 90 cm pipe culvert (27+511)	1.00	1.00	100%	-	-	1.00	100%
4b-ii	Construction of New culverts (replacement of existing) -Flexible pavement Km 33+000 – 37+000							
i	1x 2 x 2 (15 deg skew)	1.00	1.00	100%	-	-	1.00	100%
ii	1 x 2 x 5.5 (30 deg skew) box culvert	1.00	1.00	100%	-	-	1.00	100%
iii	1 x 2 x 5.5 (30 deg skew) landikotal	1.00	1.00	100%	-	-	1.00	100%
iv	2 x 3 x 6 (20 deg skew)	1.00	1.00	100%	-	-	1.00	100%
v	1 x 3 x 5 (25 deg skew)	1.00	1.00	100%	-	-	1.00	100%
4b-iii	Construction of New culverts (replacement of existing) -Flexible pavement Km 37+000 – 41+000							
i.	2 x 3 x 5 (35 deg skew) (38+230)	1.00	1.00	100%	-	-	1.00	100%
ii.	1 x 2 x 2.5 (12.81 deg skew) 40+800	1.00	0.90	90%	0.10	10%	1.00	100%
4b-iv	Construction of Pipe Culvert Km 37+000 – 41+000							
i.	Pipe Culvert (1.5m dia with 20 deg skew)	2.00	2.00	100%	-	-	2.00	100%
ii.	Pipe Culvert (1.5 m dia with 0 deg skew)	1.00	1.00	100%	-	-	1.00	100%
4b-v	Construction of New Culvert Km 41+000 – 43+465 & Loop – 3							
i.	1 x 2 x 2.5 (15 deg skew)	1.00	1.00	100%	-	-	1.00	100%
4b-vi	Construction of Pipe Culvert Km 41+000 – 43+465 & Loop-3							
i.	Pipe Culvert (1.5 m dia with 20 deg skew) (41+214, 41+386)	2.00	1.85	93%	0.15	7%	2.00	100%
ii.	Pipe Culvert (0.9 m dia) Additional (1+515)	1.00	1.00	100%	-	-	1.00	100%
iii.	Pipe Culvert (1.50 m dia with 20 deg skew) (1 +380)	1.00	1.00	100%	-	-	1.00	100%
iv.	Service ducts Km 33+000 – 37+000	14.00	14.00	100%	-	-	14.00	100%
v	Service Duct Km 37+000 – 41+000	1.00	1.00	100%	-	-	1.00	100%
4c	Construction of causeways L = 38.0 m	1.00	1.00	100%	-	-	1.00	100%
4d	Construction of causeways L = 75.0 m at Km 42+000	1.00	0.95	95%	0.00	0%	0.95	95%
5a-1	Drainage & erosion works (road side drain) Km 33+000 – Km 37+000							
I	Drain type D-1 covered (2400 m)	6.00	5.80	97%	0.20	3%	6.00	100%
Ii	Drain type D-1 covered Dep (800 m)	2.00	2.00	100%	-	-	2.00	100%
iii	Drain type D-1a uncovered (950 m)	2.00	2.00	100%	-	-	2.00	100%
iv	Drain type D-2a covered (200 m)	1.00	1.00	100%	-	-	1.00	100%

Sr No	Section VII (Km 33+000 – 37+000)	No of Milestones	Till Previous Month		Current Month		Total	
			No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed
v	Drain type D-3 (800 m)	1.00	1.00	100%	-	-	1.00	100%
vi	Drain type D-4 (200 m)	1.00	1.00	100%	-	-	1.00	100%
vii	Drain type D-2 Depressed & Open Drain Type D-2 a	1.00	0.95	95%	0.05	5%	1.00	100%
5a-2	Drainage & erosion works (road side drain) Km 37+000 – Km 41+000							
I	Drain type D-3a (Lean Concrete)	1.00	1.00	100%	-	-	1.00	100%
Ii	Drain type D-4 (925 m)	5.04	5.00	99%	0.04	1%	5.04	100%
Iii	Drain type D-2 covered (150 m)	1.00	1.00	100%	-	-	1.00	100%
5a-3	Drainage & erosion works (road side drain) Km 41+000 – 43+465 & Loop 3							
i.	Drain Type D-1 covered depressed (100m)	1.00	1.00	100%	-	-	1.00	100%
5b-1	Road Protection works) Km 37+000 – Km 41+000							
i	Jersy barrier	1.00	1.00	100%	-	-	1.00	100%
5b-2	Road Protection works) Km 41+000 – 43+465 & Loop -3							
I	Metal Guard Rail (2000 m)	4.00	4.00	100%	-	-	4.00	100%
6a	Ancillary works Km 33+000 – 37+000							
i	Traffic signs / Km Posts	1.00	0.95	95%	0.00	0%	0.95	95%
ii	Pavement Markings / Studs	1.00	1.00	100%	-	-	1.00	100%
6b	Ancillary works Km 37+000 – 41+000							
i	Traffic signs / Km Posts	1.00	0.30	30%	0.20	20%	0.50	50%
ii	Pavement Markings / Studs	1.00	0.90	90%	0.10	10%	1.00	100%
7a	Diversion Km 33+000 – 37+000	4.00	4.00	100%	-	-	4.00	100%
7b	Diversion Km 37+000 – 41+000	4.00	4.00	100%	-	-	4.00	100%
8a	Relocation of Buildings Km 33+000 – Km 37+000							
i	Relocation of Boundary walls	1.00	1.00	100%	-	-	1.00	100%
ii	Relocation of Buildings	1.00	1.00	100%	-	-	1.00	100%
8b	Relocation of Buildings Km 37+000 – Km 41+000							
i	Relocation of Buildings	1.00	0.85	85%	0.15	15%	1.00	100%
9	Utilities Shifting / Relocation							
i	MES Water Supply	1.00	1.00	100%	-	-	1.00	100%
ii	PHE Water Supply	1.00	0.95	95%	0.05	5%	1.00	100%
iii	OFC Cable	1.00	1.00	100%	-	-	1.00	100%
Iv	Copper Cable	1.00	1.00	100%	-	-	1.00	100%
v	OFC Cable	1.00	0.80	80%	0.20	20%	1.00	100%
vi	HT/LT Lines Km 9+00 – 35+00	2.00	2.00	100%	-	-	2.00	100%
10	Ancillary works Km 41+000- 43+465							
I	Traffic Signs / Km Posts	1.00	0.20	20%	0.10	10%	0.30	30%
Ii	Pavement Markings / Studs	1.00	0.90	90%	0.10	10%	1.00	100%
iii	Gantries (02 Nos)	1.00	0.10	10%	0.40	40%	0.50	50%
TOTAL		**137.54**	**132.30**	**96%**	**3.44**	**2%**	**135.74**	**98%**

2.5 Section-VIII (Km 37+000 to Km 41+000)

Sr No	Section VIII (Km 37+000 – 41+000)	No of Milestones	Till Previous Month		Current Month		Total	
			No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed
1	Earth work	8.00	8.00	100%	-	-	8.00	100%
2	Sub base & base course							
a	Granular sub base	8.00	8.00	100%	-	-	8.00	100%
b	Water bound macadam	1.70	1.70	100%	-	-	1.70	100%
c	Asphaltic base course	1.70	1.70	100%	-	-	1.70	100%
3	Surface courses and pavement							
a	Asphaltic concrete for wearing course & allied activities	1.70	1.70	100%	-	-	1.70	100%
b	Rigid pavement	12.60	12.60	100%	-	-	12.60	100%
4a-i	Retaining wall (RW-2) Total L = 2495 m							
a	Retaining wall : H= 1.50 m ; L= 1225m	6.13	5.80	95%	0.33	5%	6.13	100%
b	Retaining wall : H= 2.00 m ; L= 275m	1.80	1.80	100%	-	-	1.80	100%
c	Retaining wall : H= 2.50 m ; L= 75m	1.00	1.00	100%	-	-	1.00	100%
d	Retaining wall : H= 3.50 m ; L= 40m	1.00	1.00	100%	-	-	1.00	100%
e	Retaining wall : H= 4.00 m ; L= 340m	3.40	3.22	95%	0.18	5%	3.40	100%
f	Retaining wall : H= 6.00 m ; L= 350m	3.50	3.50	100%	-	-	3.50	100%
g	Retaining wall : H= 8.00 m ; L= 50m	1.00	1.00	100%	-	-	1.00	100%
h	Retaining wall : H= 10.00 m ; L= 140m	1.00	1.00	100%	-	-	1.00	100%
i	Retaining wall : H= 10.00 m ; L= 140m Class B Concrete	1.00	1.00	100%	-	-	1.00	100%
4a-ii	Breast Wall (RW-3) = 485 M							
a	Breast Wall H = 2.00 m ; L = 50 m	1.00	1.00	100%	-	-	1.00	100%
b	Breast Wall H = 3.00 m ; L = 360 m	3.00	3.00	100%	-	-	3.00	100%
c	Breast Wall H = 4.00 m ; L = 75 m	1.00	1.00	100%	-	-	1.00	100%
4b-i	Culverts (New Culverts)							
a	1 x 2 x 3 (Additional lane) New	1.00	1.00	100%	-	-	1.00	100%
b	1 x 2 x 2.5 (25 deg skew) New	1.00	1.00	100%	-	-	1.00	100%
c	2 x 2 x 3 (25 deg skew) Replacement	1.00	1.00	100%	-	-	1.00	100%
d	1 x 3 x 4.5 (35 deg skew) Additional cut	1.00	1.00	100%	-	-	1.00	100%
e	2 x 3 x 5 (35 deg skew) Box Culvert	1.00	1.00	100%	-	-	1.00	100%
f	1 x 2 x 2.5 Repair existing slab Culvert	4.00	3.70	93%	0.30	8%	4.00	100%
g	1 x 2 x 2.5 (20 deg skew) New	1.00	1.00	100%	-	-	1.00	100%
h	1 x 2 x 2.5 (22 deg skew) New	1.00	1.00	100%	-	-	1.00	100%
4b-ii	Pipe Culverts							
a	1.5 m dia 0 deg skew New	2.00	2.00	100%	-	-	2.00	100%
b	1.5 m dia 0 deg skew Replacement	1.00	1.00	100%	-	-	1.00	100%
c	1.5 m dia 15 deg skew Replacement	1.00	1.00	100%	-	-	1.00	100%
d	1.5 m dia 20 deg skew Replacement	2.00	2.00	100%	-	-	2.00	100%
e	1.5 m dia 20 deg skew New	1.00	1.00	100%	-	-	1.00	100%
g	1.5 m dia 25 deg skew New with channel	1.00	1.00	100%	-	-	1.00	100%
h	Service ducts	4.00	4.00	100%	-	-	4.00	100%
5a	Drainage & erosion works (road side drain)							
v	Drain type D-3 (3125 m)	8.93	8.75	98%	0.18	2%	8.93	100%
5b	Crash Barrier (200m)	1.00	1.00	100%	-	-	1.00	100%
TOTAL		**90.45**	**89.47**	**99 %**	**0.99**	**1%**	**90.45**	**100%**

2.6 Section-IX (Km 41+000 – Km 43+465 & Loop 3)

Sr No	Section IX (Km 41+000 – Km 43+465 &Loop 03)	No of Milestones	Till Previous Month		Current Month		Total	
			No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed	No of Milestones Achieved	Percentage Completed
1	Earth work	8.51	8.51	100%	-	-	8.51	100%
2	Sub base & Base course							
a	Granular Sub Base	8.51	8.51	100%	-	-	8.51	100%
b	Water Bound Macadam	0.90	0.90	100%	-	-	0.90	100%
c	Asphaltic Base Course	2.56	2.56	100%	-	-	2.56	100%
3	Surface Courses & Pavement							
a	Asphaltic Concrete Wearing Course	2.71	2.71	100%	-	-	2.71	100%
b	Rigid Pavement	14.43	14.43	100%	-	-	14.43	100%
4a-i	Retaining wall (RW-2) - 1680m							
a	H= 1.50 m ,L= 425m	2.83	2.83	100%	-	-	2.83	100%
b	H= 2.00 m, L= 570m	3.80	3.42	90%	0.38	10%	3.80	100%
c	H= 2.50 m, L= 175m	1.00	1.00	100%	-	-	1.00	100%
d	H= 3.00 m, L= 40m	1.00	1.00	100%	-	-	1.00	100%
e	H= 4.00 m, L= 75m	1.00	1.00	100%	-	-	1.00	100%
f	H= 5.00 m, L= 185m	1.00	1.00	100%	-	-	1.00	100%
g	H= 5.50 m, L= 50m	1.00	1.00	100%	-	-	1.00	100%
h	H= 6.00 m, L= 10m	1.00	1.00	100%	-	-	1.00	100%
i	H= 8.00 m, L= 150m	2.00	2.00	100%	-	-	2.00	100%
4a-ii	Breast wall (RW-3) - 625 m							
a	H= 1.50 m, L= 25m	1.00	1.00	100%	-	-	1.00	100%
b	H= 2.50 m, L= 75m	1.00	1.00	100%	-	-	1.00	100%
c	H= 3.00 m, L= 400m	2.00	2.00	100%	-	-	2.00	100%
d	H= 4.00 m, L= 125m	1.00	1.00	100%	-	-	1.00	100%
e	RCC cut off wall (50m length)	1.00	1.00	100%	-	-	1.00	100%
f	PCC cut off wall (50m length)	1.00	1.00	100%	-	-	1.00	100%
4b-i	Structures (Culverts)							
a	1 x 2 x 2.5	4.00	4.00	100%	-	-	4.00	100%
b.	2 x 3 x 3 (35 deg skew)	1.00	1.00	100%	-	-	1.00	100%
c.	1 x 2 x 2.5 (25 deg skew)	1.00	1.00	100%	-	-	1.00	100%
d.	1 x 2 x 2.5 (35 deg skew)	1.00	1.00	100%	-	-	1.00	100%
e.	2 x 3 x 4 (35 deg skew)	1.00	1.00	100%	-	-	1.00	100%
4b-ii	Pipe Culverts							
a	1.50 m dia with 20 deg skew New	1.00	1.00	100%	-	-	1.00	100%
b.	1.50 m dia with 15 deg skew with cascade	1.00	1.00	100%	-	-	1.00	100%
c.	1.50 m dia with 30 deg skew New	1.85	1.85	100%	-	-	1.85	100%
e.	0.9 m dia.30m length	1.00	0.50	50%	0.50	50%	1.00	50%
4d	Structures (expansion joints, railing on bridges/Multicell culverts)							
i.	Steel railing on Multicell culvert at km 22+925(length=72m)	1.00	1.00	100%	-	-	1.00	100%
ii.	RCC railing on bridge at km 20+750 (length = 70m)	1.00	1.00	100%	-	-	1.00	100%
iii.	Expansion joint on bridges	1.00	1.00	100%	-	-	1.00	100%
5a	Drainage & Erosion works (road side drain)							
i.	Drain type D-1 covered (600m)	3.00	2.85	95%	0.15	5%	3.00	100%
iii.	Drain type D-2 covered (725m)	3.63	3.63	97%	0.13	3%	3.63	100%
iv.	Drain type D-3 (2950m)	5.90	5.90	100%	-	-	5.90	100%
v.	Drain type D-4 (100m)	1.00	1.00	100%	-	-	1.00	100%
5b	Road protection works							
i.	Gabion wall at km 26+250 (length=150m)	1.00	1.00	100%	-	-	1.00	100%
ii.	New jersy barrier (dual carriageway median) length =200m.	1.00	1.00	100%	-	-	1.00	100%
iii.	Crash barrier (length=2000m)	4.00	4.00	100%	-	-	4.00	100%
iv.	Metal guard rail (2500m)	1.00	1.00	100%	-	-	1.00	100%
7	Diversion	1.50	1.50	100%	-	-	1.50	100%
	TOTAL	**97.12**	**95.96**	**99%**	**1.16**	**1%**	**97.12**	**100%**

2.7 Forecasted Completion PIL 06 & Additional Works

*The following table shows the forecasted completion of in progress activities.

	Remaining Works	Year 2016		
		June	July	Aug
PIL 06	Section –VII (Km 33+000 - Km 37+000)			
PIL Yet to be signed	Additional Works			

***Note:** FWO has not provided the construction schedule; the above table is based on assumptions keeping the current progress, weather condition and construction sequence of sub activities.

3. FINANCIAL PROGRESS (BUDGET / ACCRUED / ACCRUALS)

Financial progress till end of reporting month was 96%. No IPC was certified during the reporting month. Total Accrued expenditure is US$ 79,658,309 out of US$ 83,279,775. Total accruals till end of reporting month were US$ $83,093,436 i.e. 99.8%.

PIL wise details are given in the table below:

Details of Accrued Expenditure and Accruals

Sr No	PIL	Sub - Projects		Sub-Project Cost	PIL Cost	Till Previous Month		Current Month		Accumulative		Total Accruals	Balance Work
		Road	Bridges			Accrued Expenditure	Total Accruals	Accrued Expenditure	Accruals	Accrued Expenditure	Work done amount not Certified		
1	PIL 01	Sec I	-	$9,978,081	$9,978,082	$9,978,081	$9,978,081	-	-	$9,978,082	-	$9,978,082	-
2	PIL 02	Sec II	-	$9,383,483	$9,383,484	$9,383,483	$9,383,483	-	-	$9,383,484	-	$9,383,484	-
3	PIL 03	Sec III	-	$9,512,705	$9,512,705	$9,512,705	$9,512,705	-	-	$9,512,705	-	$9,512,705	-
4	PIL 04	-	at Km 9+560	$1,225,965	$3,668,533	$1,225,965	$1,225,965	-	-	$1,225,965	-	$1,225,965	-
		-	at Km 23+750	$1,392,302		$1,392,302	$1,392,302	-	-	$1,392,302	-	$1,392,302	-
		-	at Km 11+190	$604,551		$604,551	$604,551	-	-	$604,551	-	$604,551	-
		-	at Km 22+925	$445,715		$445,715	$445,715	-	-	$445,715	-	$445,715	-
5	PIL 05	Sec IV	-	$7,663,172	$24,901,643	$7,559,058	$7,667,458	-	-	$7,559,058	$108,400	$7,667,458	-
		Sec V	-	$8,580,296		$8,055,803	$8,356,533	-	-	$8,055,803	$ 300,730	$8,356,533	-
		Sec VI	-	$6,551,308		$6,009,295	$6,228,159	-	-	$6,009,295	$ 218,864	$6,228,159	-
		-	at Km 18+475	$218,068		$218,068	$218,068	-	-	$218,068	-	$218,068	-
		-	at Km 27+000	$1,111,838		$1,111,838	$1,111,838	-	-	$1,111,838	-	$1,111,838	-
		-	at Km 27+250	$1,073,617		$1,073,617	$1,073,617	-	-	$1,073,617	-	$1,073,617	-
		-	at Km 2+200	$68,944		$68,944	$68,944	-	-	$68,944	-	$68,944	-
		-	at Km 11+560	$105,296		$105,296	$105,296	-	-	$105,296	-	$105,296	-
		-	at Km 21+320	$71,730		$71,730	$71,730	-	-	$71,730	-	$71,730	-
6	PIL 06	Sec VII	-	$9,012,926	$17,796,243	$7,418,503	$9,169,139	-	$200,073	$7,418,503	$1,950,709	$9,369,212	$186,339
		Sec VIII	-	$8,613,536		$7,833,114	$8,216,664	-	$24,028	$7,833,114	$ 407,578	$8,240,692	-
7	PIL 07	Sec IX	-	-	$8,039,087	$7,590,241	$8,014,672	-	$24,415	$7,590,241	$ 448,846	$8,039,087	-
Total				**$83,279,775**		**$79,658,309**	**$82,844,919**	**$0**	**$248,516**	**$79,658,309**	**$3,435,127**	**$83,093,436**	**$186,339**

4. M&E ACTIVITIES DURING THE REPORTING PERIOD

4.1 Field Inspections

During the reporting month, the following frequency of field inspections by AGES technical staff was carried out:

- Project Manager = 01
- Quality Assurance Manager = 01
- Field Managers = 09
- Material Engineer = 01

4.2 IPCs Certifications

No Interim Payment Certificates (IPC) was certified during the reporting month.

4.3 Construction Activities Monitored

Sr	Activity	Unit	During the reporting Month						Completed till Previous Month	Completed in reporting month	Total Completed
			Sec IV	Sec V	Sec VI	Sec VII	Sec VIII	Sec IX			
1	Asphaltic Concrete Wearing Course	Km	-	-	-	-	-	-	31.34	0	31.34
2	Asphaltic Concrete Base Course	Km	-	-	-	-	-	-	31.34	0	31.34
3	Water Bound Macadam	Km	-	-	-	-	-	-	30.46	0	30.46
4	Rigid Pavement	Km	-	-	-	-	-	-	17.10	0	17.10
5	Granular Sub base	Km	-	-	-	-	-	-	47.61	0	47.61
6	Earth Work	Km	-	-	-	-	-	-	47.61	0	47.61
7	Culverts	Nos	-	-	-	-	-	-	128	0	128
8	Retaining Walls	Km	-	-	-	-	-	-	18.88	0	18.88
9	Breast Wall	Km	-	-	-	-	-	-	2.34	0	2.34
10	Drains	Km	-	-	-	-	-	0.32	53.15	0.32	53.47
11	Utility Ducts	Nos	-	-	-	-	-	-	85	0	85
12	Cause ways	Nos	-	-	-	-	-	-	11	0	11
13	Metal Guard Rail	Km	-	-	-	-	-	0.22	5.45	0.22	5.67
14	NJ Barrier	Km	-	-	-	-	-	-	3.71	0	3.71
15	Diversion	Km	-	-	-	-	-	-	43.96	0	43.96

4.4 Field Observations & Follow up

Sr. #	Findings	Follow up	Status
1	Substandard works in Retaining and Breast Walls	Emails: Sep 03, 2015 Sep 15 , 2015 Oct 07 , 2015 Oct 27 , 2015 Nov 10, 2015 Nov 24,2015 Meetings : July 07 , 2015 Aug 24 , 2015 Oct 15, 2015	Matter resolved
2	Improper backfilling at newly constructed retaining walls, breast walls, culverts, RCC Drains	Emails: May 28, 2015 June 17, 2015 Aug 11, 2015 Oct 07 , 2015 Nov 24,2015 Meeting : Oct 15, 2015	Matter resolved
3	Sub standard works at KM 10+500 (Baghiari Check Post).	Emails : May 28 , 2015 July 30, 2015 Oct 02, 2015 Nov 10 ,2015	Matter resolved
4	Aerolastic Sealant joint filling not as per specs in Rigid Pavement	Emails : Nov 10,2015 Nov 20, 2015 Nov 27, 2015	Matter resolved

4.5 Meetings

Coordination meeting conducted with USAID, representatives.

Date	Participants	Venue
May 19, 2016	USAID, AGES, USAID Media Cell	AGES Office, Peshawar

4.6 Laboratory Tests

No Laboratory Test was conducted during the reporting month.

ANNEXURE-I
PHOTOGRAPHS

Culvert 2+434 US side LOOP-III; Cascade stone masonry in progress

Culvert 41+386 US side; cascade stone masonry completed

KM 1+285~1+340 LHS LOOP-III; Metal guard rail fixing completed

KM 2+200~2+275 LHS LOOP-III; formwork fixing for PCC protection wall is in progress

KM 2+400 LHS; Column formwork fixing for Gantry sign is in progress

KM 2+400 RHS; Steel rebar fixing for Gantry sign foundation in progress

KM 7+500 LHS; PCC Class B concrete casted along boundary wall for easy flow of rain water

KM 7+500 LHS; PCC Concrete casted along Boundary wall of weigh station

KM 7+500 LHS; PCC Concrete placing along Boundary wall of weigh station in progress

KM 15+925 RHS; concrete mixing for Screeding on roof slab of security check post building is in progress

KM 33+800 LHS; FLexible pavement rectification work in progress

KM 35+100~35+120 LHS; Flexible pavement rectification in progress

KM 35+165 LHS; Old parapets placed over stone masonry Retaining wall

KM 35+500 LHS; Rectification of manhole cover precast slabs in progress

.

KM 39+600 RHS; Sign board of rising gradient

KM 40+375 RHS; Drain type D-3 cleaning in progress

KM 40+400 RHS; Ultra M Strong applied on rigid pavement top surface

KM 40+475~40+550 RHS ; Drain type D-3 cleaning completed

KM 40+550~40+600 RHS ; Drain type D-3 cleaning completed

KM 41+700 LHS; Sign board installation in progress

KM 42+250 LHS; Gantry sign foundation concrete casted

KM 42+250 LHS; Gantry sign pedestal concrete casted

KM 42+250 RHS; Gantry sign foundation concrete casted

KM 42+250 RHS; Gantry sign pedestal concrete casted