Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

MAINTENANCE JOB FOR STREAM CHANNEL

Date: 3. Sep. 2012

DESCRIPTION OF THE MAINTENANCE

Construction of Rip - rap for diversion existing stream at disposal area plot 'A'



PURPOSE OF THE MAINTENANCE

To stabilized and protect the banks.



ITEM	MATERIAL USE	UNIT	QTY	REMARKS	<u>РНОТО</u>
1	Excavator 336 D	n.xhrs	1x30	Work conducted on 03/09	
2	Dumper	n,xhrs	3x30	for 10hrs, on 04 /09 for	
3	Bolders	m3			
4					
5					
6					
7					

Signature :	Signature /	Signature: Your
	7-70	
Date :	Date: 1/10/12	Date: 28.3.2012
Name :	Name: Abraham Choy.	Name FRANCESCO GAETA
For : Person carrying out the maintenance	SMEC	TM-SALINI CONSORTIUM

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

HYDROSEEDING WORK

Date: 5. Sept. 2012

DESCRIPTION OF THE MAINTENANCE

Hydroseeding works conducted at 5th slope and fertilizing 3rd slope of left bank abutment of Susu Dam





PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion





<u>ITEM</u>	MATERIAL/EQUIPMENT USED	UNIT	QTY	REMARKS	РНОТО
1	Lorry			3	
2	Seeds			Works conducted on 05/09	
3	Glue			for 6hrs & resprayed on 06/09 for 4hrs	
4	Fertilizer				
5	Vigromate	nos	35	Works conducted on 05/09	
6	Workers	n.xhrs	6x14	for 7hrs & on 06/09 for 7hrs	
7					
8					

For : Person carrying out the maintenance	SMEC	MICI	TM-SALINI	CONSORTIUM
Name :	Name :	Abroha Choy.	Name :	FRANCESCO GAETA
Date :	Date :	11.112	Date :	27.9.2017
Signature :	Signature	721	Signature :	goet

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2 HYDROSEEDING WORK

Date: 6. Sept. 2012

DESCRIPTION OF THE MAINTENANCE

Respray works conducted at 5th slope of left bank abutment of Susu Dam



PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion



ITEM	MATERIAL/EQUIPMENT USED	UNIT	ΩΤΥ	REMARKS	РНОТО
1	Lorry				
2	Seeds			Works conducted on 05/09	
3	Glue			for 6hrs & resprayed on 06/09 for 4hrs	
4	Fertilizer				
5	Vigromate	nos	0	Works conducted on 05/09	
6	Workers	n.xhrs	6x14	for 7hrs & on 06/09 for 7hrs	
7					
8					

For : Person carrying out the maintenance	SMEC	4. / 01	TM-SALIN	CONSORTIUM
Name::	Name	Ahrehan Chay	Name :	FRANCESCO GAETA
Date :	Date :	(/10/12	Date :	27.3.2012
Signature :	Signaturé		Signature :	goth

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

HYDROSEEDING WORK

Date: 11. Sept. 2012

DESCRIPTION OF THE MAINTENANCE

Hydroseeding works conducted at 6th slope of left bank abutment of Susu Dam, CH 0+300 (LHS, RHS), CH 0+500, CH 0+800 and CH 0+850 (LHS)





PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion





ITEM	MATERIAL/EQUIPMENT USED	UNIT	QTY	<u>REMARKS</u>	<u>РНОТО</u>
1	Lorry			5	
2	Seeds			Works conducted on 11/09	
3	Glue			for 4hrs	
4	Fertilizer				
5	Vigromate	nos	80	Works conducted on 11/09	
6	Workers	n xhrs	6x14	for 7hrs & on 12/09 for 4 hrs	
7					
8					

,		
For : Person carrying out the maintenance	SMEC	TM-SALINI CONSORTIUM
Name :	Name: Alahan Chang	Name: FRANCESCO GAETA
Date :	Date (/ (3/1 ~	Date 27.3.2012
Signature	Signature	Signature : Jack

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2 HYDROSEEDING WORK

Date: 12. Sept. 2012

DESCRIPTION OF THE MAINTENANCE

Hydroseeding works conducted at 1st slope of Telom Outlet at left abutment - Susu Dam area. Respray at CH 0+700 (LHS) - CH 0+300 (LHS). Fertilizing CH 1+700 (2 slope).





PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion





ITEM	MATERIAL/EQUIPMENT USED	<u>UNIT</u>	QTY	REMARKS	<u>РНОТО</u>
1	Lorry			3	
2	Seeds			Works conducted on 12/09	
3	Glue			for 3hrs	
4	Fertilizer				
5	Vigromate	nos	20	Works conducted on 12/09	
6	Workers	n.xhrs	6x6	for 6hrs	
7					
8					

For : Person carrying out the maintenance	SMEC			TM-SALINI (CONSORTIUM
Name :	Name :	Abrahin	Chang.	Name: F	RANCESOO GAETA
Date	Date :	1/13/1	1	Date :	27.9.2012
Signature :	Signatur	e 7 7	÷\	Signature :	Got

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

MAINTENANCE JOB FOR STREAM CHANNEL

Date: 18. Sep. 2012

DESCRIPTION OF THE MAINTENANCE

Construction of Rip - rap for existing stream RHS & LHS at road to construction Adit



PURPOSE OF THE MAINTENANCE

To stabilized and protect the banks.



ITEM	MATERIAL USE	UNIT	QTY	REMARKS	<u>РНОТО</u>
1	Excavator 336 D	n.xhrs	1x30	Work conducted on 18/09	
2	Dumper	n.xhrs	3x30	for 10hrs, on 19 /09 for	
3	Bolders	m3			
4					
5					
6					
7					

	SMEC	TM-SALINI CONSORTIUM
Name	Name: Ahre Lan Change.	Name: FRANCESCO GAETA
Date :	Date: 1/(o/12	Date: 28.3.2012
Signature :	Signature	Signature: York

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

METIGATION / INSTALLATION WORK

Date: 18 Sept. 2012

DESCRIPTION OF THE MAINTENANCE

Installed virgolok (coconut fiber roll) to control run off water during rain of mitigation measure approximatelly at RHS & LHS of Lemoi Outlet Portal - Susu dam



PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion



ITEM	MATERIAL/EQUIPMENT USED	UNIT	QTY	<u>REMARKS</u>	РНОТО
1	Coconut fiber roll	nos	30	work conducted on 18/09 for	
2	Workers	n xhrs	5x15hrs	10hrs & 19/09 for 05hrs.	
3					
4					
5					
6					
7					
8					

For : Person carrying out the maintenance	SMEC	Ž.	TM-SALINI CONSORTIUM
Name :	Name	Aborton Chay.	Name: FRANCESCO GAETA
Date :	Date :	1/10/12	Date: 27.9.2012
Signature :	Signatur		Signature: Joet

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

MAINTENANCE JOB FOR SILT TRAP NO. L - 1

DESCRIPTION OF THE MAINTENANCE

Desilting of silt trap at left abutment of susu dam area



Date: 18. Sep. 2012

PURPOSE OF THE MAINTENANCE

To collected of the silt volume from slope cutting area

Photo not taken

ITEM	MATERIAL USE	UNIT	QTY	REMARKS	РНОТО
1	Excavalor 336 D	n.xhrs	1x 20	Work conducted on 18/09 for 5hrs	
2					
3					
4					
5					
6					
7					

For : Person carrying out the maintenance	SMEC	Amlan Choj	10,500,1900,000,000	CONSORTIUM
Name :	Name :	MILLES ON	Name :	FRANCESCO GAETA
Date :	Date :	1/6/1-	Date :	27.8.2012
Signature :	Signature	XX	Signature	good

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

MAINTENANCE JOB FOR SILT TRAP NO. L - 3

Date: 19. Sep. 2012

DESCRIPTION OF THE MAINTENANCE

Desilting of silt trap at left abutment of susu dam area





PURPOSE OF THE MAINTENANCE

To collected of the silt volume from slope cutting area



ITEM	MATERIAL USE	UNIT	QTY	REMARKS	РНОТО
1	Excavator 336 D	n.xhrs	1x 20	Work conducted on 19/09 for 10hrs, and on 20/09 for 10hrs.	
2					
3					
4					
5					
6					
7					

For : Person carrying out the maintenance	SMEC		TM-SALINI	CONSORTIUM
	l	Storlan Choy	Name	FRANCESCO GAETA
Date :	Date :	1/10/12	Date :	27.5.2012
Signature :	Signature	720	Signature :	goet

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

MAINTENANCE JOB FOR SILT TRAP NO. L - 2

Date: 19. Sep. 2012

DESCRIPTION OF THE MAINTENANCE

Desilting of silt trap and reinstallation of geotextile at left abutment of sueu dam area



PURPOSE OF THE MAINTENANCE

To collected of the silt volume from slope cutting area

Photo not taken

N	O	T	Έ	•	
-					

ITEM	MATERIAL USE	UNIT	QTY	REMARKS	<u>РНОТО</u>
1	Excavator 336 D	n.xhrs	1x 20	Work conducted on 19/09 for 10hrs, and on 20/09 for 10hrs.	
2					
3					
4					
5					
6					
7					

For : Person carrying out the maintenance	SMEC	A. /	\sim	TM-SALINI (CONSORTIUM
Name :	Name	Monta	Choq	Name :	FRANCESO GAETA
Date :	Date :	1/12/12		Date :	27.3.2012
Signature :	Signature	77	73	Signature :	godo

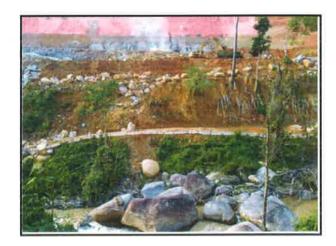
Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

INSTALLATION/MAINTENANCE JOB FOR SILT FENCE

Date: 19. Sep. 2012

DESCRIPTION OF THE WORK

Susu Dam Area Right Abutment: Maintenance of demolished silt fence at toe of the slope closed to Bertam River.



PURPOSE OF THE WORK

Minimize the sediments flow to the river



ITEM	MATERIAL/EQUIPMENT USED	UNIT	QTY	REMARKS	<u>РНОТО</u>
1	Workers	Nxhrs	5x10	Works conducted on 19/09 for 10 hrs and 20/09 for 10hrs	
2					
3					
4					
5					
6					
7					
8					

	*	·		
For : Person carrying out the maintenance	1	1	TM-SALINI C	ONSORTIUM
Name :	Name :	Hinlen Chang.	Name :	FRANCESON GAETA
Date :	Date:	1/12/12	Date :	27.9.2012
Signature	Signatur	e	Signature :	Tout

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

METIGATION / INSTALLATION WORK

Date: 20 Sept. 2012

DESCRIPTION OF THE MAINTENANCE

Installed virgolock (coconut fiber roll) to control run off water during rain of mitigation measure approximatelly at RHS slope support - Susu dam



PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion



ITEM	MATERIAL/EQUIPMENT USED	<u>UNIT</u>	QTY	REMARKS	РНОТО
1	Coconut fiber roll	nos	20	work conducted on 19/09 for	
2	Workers	n.xhrs	5x15hrs	05hrs & 20/09 for 10hrs.	
3					
4					
5					
6					
7					
8					

For : Person carrying out the maintenance	SMEC	Α	TM-SALINI CONSORTIUM
Name :	Name :	Abraham Chay	Name: FRANCESCO GAETA
Date :	Date :	110/12	Date: 27.8.2012
Signature :	Signature	XX	Signature:

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

HYDROSEEDING WORK

Date: 22. Sept. 2012

DESCRIPTION OF THE MAINTENANCE

Hydroseeding works conducted at 7th slope of slope support at left abutment - Susu Dam area. Fertilizing at CH 0+700 RHS road to M.A.T.





PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion





ITEM	MATERIAL/EQUIPMENT USED	UNIT	QTY	REMARKS	<u>РНОТО</u>
1	Lorry			3	
2	Seeds			Works conducted on 22/09	
3	Glue			for 4hrs	
4	Fertilizer				
5	Vigromate	nos	90	Works conducted on 22/09 for 10hrs on 23/09 for 8 hrs,	
6	Workers	n xhrs	6x38	on 24/09 for 10 hrs, on 25/09 for 10hrs	
7					
8					

For : Person carrying out the maintenance	SMEC		TM-SALINI C	CONSORTIUM
Name :	Name :	Abrilan Chay.	Name	FRANCESCO GAETA
Date :	Date :	1/10/12	Date	27-9 2012
Signature :	Signatur	re TT	Signature :	Goth

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

HYDROSEEDING WORK

Date: 24. Sept. 2012

DESCRIPTION OF THE MAINTENANCE



PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion



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ITEM	MATERIAL/EQUIPMENT USED	UNIT	QTY	REMARKS	<u>РНОТО</u>
1	Lorry			5	
2	Seeds			Works conducted on 24/09	
3	Glue			for 3hrs	
4	Fertilizer				
5					
6					
7					
8					

For : Person carrying out the maintenance		TM-SALINI CONSORTIUM
Name :	Name Abahan Chang	Name: FRANCESCO GAETA
Date :	Date: 1/10/12	Date: 27.3.2012
Signature :	Signature	Signature: 4

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

HYDROSEEDING WORK

Date: 24. Sept. 2012

DESCRIPTION OF THE MAINTENANCE

Hydroseeding works conducted at 2nd slope of Telom Outlet at left abutment - Susu Dam area.





PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion





ITEM	MATERIAL/EQUIPMENT USED	UNIT	QTY	REMARKS	<u>РНОТО</u>
1	Lorry		,	3	
2	Seeds			Works conducted on 24/09	
3	Glue			for 3hrs	
4	Fertilizer				
5	Vigromate	nos	20	Works conducted on 24/09	
6	Workers	n xhrs	6x6	for 6hrs	
7					
8					

For : Person carrying out the maintenance		A. 1 C.	TM-SA	LINI CONSORTIUM
Name :	Name :	Abrahin Chay	Name	FRANCESCO GAETA
Date	Date :	Vign	Date :	27.3.2017
Signature :	Signature	77	Signat	ure: Joela

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

INSTALLATION JOB FOR SILT TRAP AT SWITCHYARD

Date: 24. Sep. 2012

DESCRIPTION OF THE MAINTENANCE

Constructed new silt trap at switch yard area



PURPOSE OF THE MAINTENANCE

To collected of the silt volume from slope cutting area



ITEM	MATERIAL USE	UNIT	QTY	<u>REMARKS</u>	PHOTO
1	Excavator 336 D	n.xhrs	1x 25	Work conducted on 24/09 for 5hrs, on 25/09 for 10hrs and on 26/09 for 10hrs.	
2	Workers	n.xhrs	5x5	Work conducted on 26/09 for 5hrs.	
3	Geotextile	m3			
4					
5					
6					
7					

For : Person carrying out the maintenance	SMEC	A	TM-SALINI CONSORTIUM
Name :	Name :	Amelian awa	Name: FRANCESCO GAGTA
Date :	Date :	1/10/12	Date: 27-9-2012
Signature :	Signature	XX	Signature: 400

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2 HYDROSEEDING WORK

Date: 25. Sept. 2012

DESCRIPTION OF THE MAINTENANCE

Hydroseeding works conducted at 1st, 2nd, 3rd platform of disposal area. $\label{eq:conducted} % \begin{array}{c} \text{ of } & \text{ of } \\ \text{ of } \\ \text{ of } & \text{ of } \\ \text{$





PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion





ITEM	MATERIAL/EQUIPMENT USED	<u>UNIT</u>	QTY	REMARKS	<u>РНОТО</u>
1	Lorry			8	
2	Seeds			Works conducted on 25/09	
3	Glue		ĺ	for 3hrs	
4	Fertilizer				
5					
6					
7					
8					

For : Person carrying out the maintenance	SMEC	TM-SALINI CONSORTIUM
Name :	Name Abrela Chay.	Name: FRANCESCO GAETA
Date :	Date: (10/1)	Date: 27.8.2012
Signature :	Signature	Signature: 45th

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

HYDROSEEDING WORK

Date: 25. Sept. 2012

DESCRIPTION OF THE MAINTENANCE

Hydroseeding works conducted at 4th, 5th, slope at south slope area and 1st & 2nd of down slope at (east side) area





PURPOSE OF THE MAINTENANCE

Protect slopes and open areas from erosion



NOTE: MATERIAL/EQUIPMENT USED REMARKS <u>РНОТО</u> ITEM UNIT QTY Lorry Seeds 2 Works conducted on 25/09 for 3hrs Glue 3 Fertilizer 4 5 6 7 8

For : Person carrying out the maintenance	SMEC	TM-SALINI CONSORTIUM
Name :	Name Shorten Chang.	Name: FRANCESCO GAETA
Date	Date: VIO/I~	Date: 23 - 3 - 2012
Signature :	Signature 7	Signature: Type

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

MAINTENANCE JOB FOR SETTLING POND

Date: 26. Sep. 2012

DESCRIPTION OF THE MAINTENANCE

Desilting work of settling tank at disposal area plot A & disposed to the near by area



PURPOSE OF THE MAINTENANCE

To collect the waste of concrete volume

Photo not taken

N	0	Т	Е	:

ITEM	MATERIAL USE	UNIT	QTY	<u>REMARKS</u>	<u>РНОТО</u>
1	Excavator 320 D	n.xhrs	1x10	Work conducted on 26/09 for 10hrs.	
2	Dumper	n.xhrs	1x10	j	
3					
4					
5					
6					
7					

For : Person carrying out the maintenance		TM-SALINI CONSORTIUM
Name :	Name: Alwaha Chop	Name: FRANCESCO GAETA
Date	Date: // 6/12	Date: 27.9-2012
Signature :	Signature	Signature: Gotto



Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

MAINTENANCE JOB FOR SILT TRAP CONTRACTOR PLATFORM

Date: 27. Sep. 2012

DESCRIPTION OF THE MAINTENANCE

Desilting of silt trap at contractor platform



PURPOSE OF THE MAINTENANCE

To collected of the silt volume from slope cutting area

Photo not taken

ITEM	MATERIAL USE	UNIT	QTY	REMARKS	<u>РНОТО</u>
1	Excavator 336 D	n.xhrs	1x15	Works conducted on 26 /09 for	
2	Dumper	n.xhrs	1x15	10hrs, and on 27/09 for 5hrs	
3					
4					
5					
6					
7					

For : Person carrying out the maintenance	SMEC		TM-SALINI C	CONSORTIUM	
Name I	Name :	Ahrehan Chon	Name :	FRANCE SCO	GAETA
Date :	Date :	1/11/12.	Date :	27-3-2012	
Signature :	Signature	XX	Signature :	goes	

Ulu Jelai Hydroelectric Project Contract No. TNB 362/2008 - Lot CW2

MAINTENANCE JOB FOR SILT TRAP NO. L - 1 & L - 2

Date: 29. Sep. 2012

DESCRIPTION OF THE MAINTENANCE

Desilting of silt trap and reconstruction to combined both silt trap at left abutment of susu dam area



PURPOSE OF THE MAINTENANCE

To collected of the silt volume from slope cutting area

Photo not taken

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13	v	ш	<u> </u>	

ITEM	MATERIAL USE	UNIT	QTY	REMARKS	<u>РНОТО</u>
1	Excavator 336 D	n.xhrs	1x	Work conducted on 29/09 for 10hrs.	
2	Dumper	n.xhrs		f	
3					
4					
5					
6					
7					

For : Person carrying out the maintenance	SMEC		TM-SALINI (CONSORTIUM
Name :	Name :	Abrahan Chay	Name :	FRANCESCO GAETA
Date :	Date :	1/10/17	Date	30-9-2012
Signature :	Signature	XX	Signature :	goet