

(2) 2nd Stakeholders' Meeting

Report on 2nd stakeholders meeting 18th December 2010

PREPARATORY SURVEY ON THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN SOUTHERN SUDAN

Minutes of Meeting for the 2nd Stakeholders Meeting

Purpose: Explanation of Study Process to the Community and Approval of TOR (Terms of Reference) for the Study based on the Scoping Results

Date: 18th December 2010

Venue: Open space near Khor-Klaliang Bridge, Luluggu

Time: 10:30-12:30

Number of Participants: About 40 including 2 ladies

Chaired by: Mr. Shoji Takeo, JICA Study Team

Opening Speech 10:30-10:35

Mr. Prudensio Wani, Chairman, Luluggu Community

Project Outline: 10:35-10:50

Ms Patricia, Environmentalist, Ministry of Transport and Bridge (MTR), GoSS

Explanation of Procedure for Environmental and Social Consideration: 10:50-11:10

Mr. Shoji Takeo, Social Specialist, JICA Study Team: made explanation based on the handout

Discussion: 11:10-12:30

Mr. Denis Daramollo F, Paramount Chief of Juba County: mentioned that the area between Nile River and Luluggu Street is a community's land approved by the government. If the governments want to take the land, they have to get approval of the project, first of all, from the community and then have to make compensation to either the community or affected people directly.

Mr. Zacharia Kharamis Peter, Administrative Officer, Rajef Payam, stressed the importance of the project for the community development, although minor negative impacts at the very initial stage shall be overcome.

Following questions/requests were raised (reply):

- Explanation by the local Arabic was proposed for better understanding for local

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residents and language has changed into Arabic.

- Who will make compensation? (GoSS)
- Minutes of understanding shall be exchanged between GoSS and Community to protect affected people
- Is railway attached on the bridge? (No)
- Mango trees are compensated
- Farm Land are to be compensated
- Similar public consultation shall be held for the land owners on the east bank
- Grievance redressing committee should be established including members from the communities.

After discussion, finally following declaration was made by the paramount chief:

1. Luluggu community approved the project, accepting to implementing the study in the site
2. Community will make the final decision to determine the route
3. Community members shall be involved in the members of the compensation committee

Closing remark:

Dr. Kimo Aban Aietbo, Assistant Professor of Economics, College of Social and Economic Studies, University of Juba:

- Emphasizing the importance of protection of community lands

Mr. Moses Gogonya Cosmas, EIA Officer, Ministry of Environment, GoSS

- Woman participation is very important (2 ladies only in this meeting).
- Other organizations such as Ministry of Water Resources, GoSS/CES should be participated


















Attachments:

- A. Participants list
- B. Handout
- C. Photos

List of Participants

No.	Name	Title	Organisation	Mobile Phone	Signature
1	Patricia Gibril Ali	Environmental Officer	MTR GOSS		
2	Moses Gogonya Cosmas	E/A Officer	MOE GOSS		
3	Dorina Keji Zachariah	G/S Officer	MOE GOSS		
4	Zacharia Khamis Peter	Administrative Officer	Rajaf Payam		
5	Methodius Emiliano	Secretary Lologo Comm.	DRWD/CES/JUBA		
6	Predunsio Wani Tomba	Chairman L.Comm.	Lologo-JUBA		
7	Peter Wani Jafa		Lologo.Comm		
8	Kiyotaka Tamari	Project Formulation Advisor	JICA		
9	Alsoshi Nashimoto	Associate Reintegration	UNHCR		
10	Thomas Lokor		Lologo.Comm		
11	Gabriel Edward		Lologo.Comm		
12	Campeio Jada		Lologo.Comm		
13	Gabriel Lada		Lologo.Comm		
14	Yokwe Jugu		Lologo.Comm		
15	Simon Jada		Lologo.Comm		
16	Tom Mokawi		Lologo.Comm		
17	Marcel Ladu		Lologo.Comm		
18	Akim Ali		Lologo.Comm		
19	Richard Keny		Lologo.Comm		
20	Denis Doramollo F	Paramount Chief	Juba County		
21	Fadul Issa		Lologo.Comm		
22	Faustil Lege		Lologo.Comm		
23	Samir Mofi		Lologo.Comm		
24	Conscano Gone		Lologo.Comm		
25	Morris Bangwe		Lologo.Comm		
26	Jerabio Tangur		Lologo.Comm		
27	Jemesa Sowka		Lologo.Comm		
28	Emanuel Ladu		Lologo.Comm		
29	Phillip Wani		Lologo.Comm		
30	Paul Lado	Environmental Officer	Rajaf East		
31	Emmanuel Halo Andrea	Teacher	Rajaf East		
32	Leone Ladu		Lologo.Comm		
33	Stephen Wer		Lologo.Comm		
34	Dr. Kimo A. Adiebo	Assistant Prof. Economics	Juba University		
35	Daniel Fado B	Chief Gumbo a/Coast	Gumbo		
36	Peter Duku Wani	MP	CESLA		

No.	Name	Title	Organization	Mobile Phone	Signature
1	Patricia Gubal Ali	Environmental Officer	MTR Goss		
2	Mores Goganya Cosmas	EIA officer	MOE Goss		
3	Dorina Keyi Zachariah	GIS Officer	MOE Goss		
4	Zacharia Khassier Peter	Administrative Officer	Rajap payam		
5	Methodius Emilliano	Secretary Luluggu Comm	DRKS/CES/ Juba		
6	Brendenio Wani Tombe	Chairman L. Comm.	Luluggu - Juba		
7	Peter Wani Jada		Lolaga Juba		
8	Kiyotaka Tamari	Project Formulation Advisor	JICA		
9	Atsushi Nashimoto	Associate Reintegration Officer	UNHCR		
10	THOMAS JOKO R		LULUGGU		
11	Thapavimpe		Luluggu		
12	Gabriel Edmund		Lolaga		
13	Campeio Jada		LULUGGU		
14	Gahr Lada		Lolaga		
15	Yokwe Yugu		Luluggu		
16	Simon Jada		Luluga		
17	Tom MOKGAWI		Lolaga		
18	Malcelo Lada		Lolaga		
19	Akim Ali		Lolaga		
20	Richard Henry		Lolaga		
21	Dennis Doremla F.	Provost Chief	Juba County		

No.	Name	Title	Organization	Mobile Phone	Signature
22	Fadiah ISSA		Lologo		
23	Fausti lege		Lologo		
24	Samir mady lego		Lologo		
25	Emmanuel Gbete		Lologo		
26	Maria Baiguna		Lologo		
27	Jenabio Tangun		"		
28	JEMESA Sawka		"		
29	Emmanuel Aa Lachu		Lologo		
30	PHILIP UIANI				
31	Paul Lado		Lologo Lologo		
32	Paul Lado	Environmental Officer	Repat East -		
33	Emmanuel Lado Infran	Teacher	Repat East		
34	LPONE Lado		Lologo		
35	STPER Lado		Lologo		
36	Dr. King A. Adiebo	Assistant Prof. Economics	University of Juba		
37	Chief Emmanuel Lado	Chief Lado/H/P	Lado		
38	Peter Duku Klani	MP	CEELA		
39					
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CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN



3. Procedures for Environmental and Social Considerations

3.1 Project Impacts Prediction

- Positive impacts

- ✓ For community:
 - Economic benefit: employment, roadside business, hike of properties values
 - Convenience: access to downtown, promotion of infrastructure preparation such as piped water/electricity
- ✓ For Juba County:
 - Mitigation to traffic congestion and air pollution in downtown
 - Acceleration of land development resulting in regional economic growth
- ✓ For GoSS/CES:
 - Empowerment of international / inter-state transportation ability resulting in economic growth
- ✓ For Globe
 - Reduction of green house gas emission by the smooth traffic

- Negative impacts

- ✓ For community:
 - Resettlement of residential houses and agricultural sources
 - Pollution problem such as dust rising from passing heavy vehicles, tentative river water contamination during bridge construction
 - Safety problem during and after bridge construction
 - Hygiene Problem including HIV/AIDS
 - Impact to natural environment is negligible/unknown

Please see attached screening table for details.

3.2 Mitigation Measures Planning

- Resettlement

- ✓ For people to be displaced
 - Consultation with affected people
 - Replaceable prices to regain for the lost assets including land, houses, valuable trees etc
 - Additional assistances necessary to regain the pre project life level and livelihood such as provision of the land, job training, micro loan etc.
 - Proper planning to preparation of group resettlement site if needed
- ✓ For natural environment
 - Interview to the residents about existing species
- ✓ For pollution
 - Prepare proper environmental management plan
- ✓ For safety problem
 - Prepare proper safety management plan
- ✓ For Hygiene problem
 - Prepare proper hygiene management plan

4. Project Information

For detailed information, please contact:

- Mr. Otim Bong: Ministry of Transport and Roads: 0955234086

Table Results of Screening

Item		Category	Remark
Social Environment	1 Involuntary resettlement	A	By the land acquisition with a width of 30m ROW, about 60 households (240 people?) may have to move out of ROW. However, impacts are considered to be not so serious since: (1) most houses can "set-back" just outside of ROW with moving distances at most about 100m only in the maximum to open space, (2) then, their life environment would not change, and (3) the site are already being rezoned by CES, by which proper resettlement is scheduled.
	2 Local economies, such as employment, livelihood, etc.	D	Employment of local residents will be promoted by the construction work. Also increased are the sales of goods of kiosks and agricultural product, as are same after operation period.
	3 Land use and utilization of local resources	B	By the construction of new road, present open spaces are fully utilized. Existing houses randomly situated will be properly realigned as per rezoning scheme. Impacts to small gardens along the river are minimized by compensated or provision with equivalent or more productive lands. Mango trees are compensated.
	4 Social institutions such as social infrastructure and local decision-making institutions	C	By the construction of roads/bridges the social institutions (e.g. school, market, churches, etc.) become more easily accessible, although some inconvenience may be predicted during construction. Traditional authorities are empowered by the economic benefit.
	5 Existing social infrastructures and services	B	During construction, some social services such as public buses may be affected. However by proper construction management plan including traffic control and provision of detour, such impacts can be minimized.
	6 Poor, indigenous, or ethnic people	B	Presently, a refugee camp of UNHCR is located 150m south of proposed access and is scheduled to be moved out within 2010 or soon or later. Apart from the camp, there may be several returned soldiers or refugees scattered at the site and may have to move out. However by proper resettlement planning including provision of free land, their life levels are improved.
	7 Misdistribution of benefits and damages	D	The compensation is provided based on the replaceable prices only and there is no chance that "somebody wins or other people lost". Life levels are basically same for ordinary people except for very poor/landless of whom life levels are improved.
	8 Cultural Heritage	D	There is no cultural heritages
	9 Local conflicts of interest	D	No conflict of interest shall arise.
	10 Usage of Water and Water Right	B	Present wells in ROW to be removed shall be replaced.
	11 Accident	B	Accidents are very common at construction. However by preparing a proper construction and traffic management plan, it is possible to minimize impact.
	12 Sanitation	B	Although kitchen/sanitary wastes can be generated from workers' camp, environmental impacts can be minimized by proper treatment
	13 Infectious diseases such as HIV/AIDS	B	Many outside construction workers will move in the site and there is a chance of spread of HIV/STD transmission. However these can be minimized through proper measures including campaign/education of residents/workers and provision of safety goods.
Natural Environment	14 Topography and Geology	D	There is no valuable topography/geology around.
	15 Soil Erosion	D	Surface water, previously randomly overflowed can be controlled by the side ditch along the road and the soil erosion will be minimized.
	16 Groundwater	D	There no work as would shut the groundwater flow or no large scale pumping of ground water
	17 Hydraulic Situation	C	By the installation of embankment/piers, flooded area can be widen. Hydraulic survey is proposed to minimize this impact..
	18 Costal Zone	D	There is no costal zone.
	19 Fauna, Flora and Biodiversity	B	There is no rare space around the site. Although the bushes will be cleared including cash /fruits trees.
	20 Meteorology	D	The project will not influence the climate condition.
	21 Landscape	D	Landscape is not impacted.
	22 Global Warming	D	Generation of global warming gas is reduced due to the reduction of consumption of fuel through smoother traffic flow as a result of the project.
	23 Air Pollution	C	May tentatively cause some air pollution during construction period. However, it will be reduced due to smoother traffic after operation.
Pollution	24 Water Contamination	B	The construction of abutments/piers in the river, some turbid water may be generated temporarily. It can be minimized through the selection of the suitable construction method.
	25 Soil pollution	B	Fuel can be leaked into the ground from storage/heavy equipment. Countermeasures for fuel leak can minimize impact.
	26 Waste	D	Some construction waste can be generated although their impact can be minimized through proper construction plan.
	27 Noise and vibration	B	May tentatively cause some noise/vibration by equipments during construction period. However, it will be reduced due to smoother traffic after operation.
	28 Ground Subsidence	D	There is no thick, very soft ground that will cause long term subsidence of ground surface
	29 Odor	B	May tentatively cause some air pollution by equipments during construction period. However, it will be reduced due to smoother traffic after operation.
	30 Bottom Sediment	D	No pollutant will be generated that will cause contamination of river bottom

A: Negative Impact Serious
B: Negative Impact Slight
C: Extent of impact is unknown at this stage or limited negative impact only
D: No negative impact is expected or positive impact

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Sign to the venue



Overall view of venue under the tree



Display at the venue



Presentation of alternative routes



Opening speech by Lologo Chief



Attendants from the community

Pictures of the 2nd Public Consultation

(3) Group Meeting with Farmers

Report on group discussion with farmers 25 February 2011

Minutes of Meeting

Subject: Compensation for Possible Damages to Crops caused by Passing of Crawler Crane through the Farm

Location: Riverside on Lologo Village

Participants (Attendants list attached):

- Mr. Fellix Wani, Road Engineer, MTR
- Mr. Michael Francis, Vice Director of Payam Rajef
- Mr. Zakeo Pitia, Sub-chief of Lologo Village
- Affected farmers: 11 persons on 24th and 23 persons on 25th February 2011
- Drillers
- JICA Study Team

Summary of discussion

1. On 23rd February 2011, the drilling team tried to carry their drilling rig by a crawler crane (2m width) through crops farm land, farmers stopped entering the crawler since they were afraid their crops, which are their only livelihood, are disturbed, unable to harvest.
2. On 24th February 2011, the 1st farmers' meeting was held. Mr. Michael stressed the importance of the construction of new bridge and farmers agreed the project, except the issues of damages to their crops. Then, it was proposed to determine if farmers agree to let the crane pass through their farm land. However, since some of the affected farmers were absent, farmers claimed this decision shall be made following days.
3. On 25th February, the 2nd farmers' was held and they concluded that the crane can pass their farm land in case compensation are made. Based on the inspection by farmers and other participants made, compensation bellow table were agreed, to be paid within 25th or 26th February. Representative of MTR, as the project owner, informed them to pay after reporting to Mr. Otim, MTR.

Types of damages	Number of farmers	Compensation required (SGD/farmer)	Amount (SDG)
Crops	9	400	3,600
Seeding ground	6	200	1,200
Total	15	-	4,800

4. Afterward, MTR decided not to pay the compensation and entering to the farm land was suspended.



Drilling rig trying to enter into field



Rig is carried by mini crawler crane
(Note the width is 2m only)



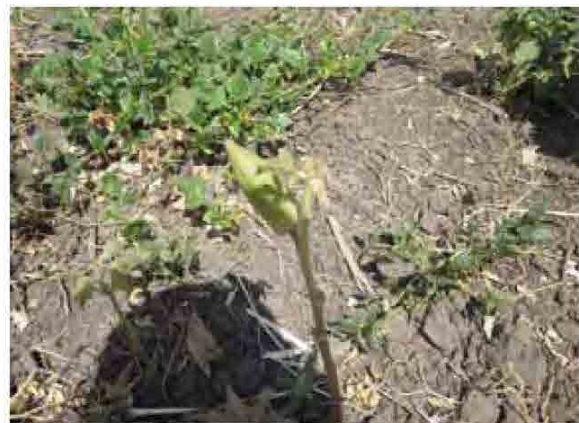
Proposed location of drilling



Nearby farm being cultivated



Sweet cone



Okura

Report on group discussion with farmers 25 February 2011



Cassava



Green vegetable



















11 ladies from affected farmers also participated the meeting on 25th February 2011






























Inspecting the possible damages to the crops by passing of crawler crane,
25th February 2011

4 Feb 2011

No.	Name	Title	Organization	Mobile Phone	Signature
1	pauntino doggale	on pension	Non		
2	Pruchensio Alan	on pension	Udugge		
3	Marchello lady	on pension			
4	Michael Francis	At Director L. Patan			
5	YUZO MIKOTA	Bridge Engineer	JICA		
6	SHOTI TAKEO	Environmental Specialist			
7	Attayut Rangsiyapiboon	Geotechnical Engineer			
8	Zacharia Khonnis Peter	Admin/Officer	L-G		
9	Seoperns Baro	Worker of Bridge	JICA		
10	Lourence Piti	Student	Non		
11	JOSEPH TABAN	Worker of Bridge	JICA		
12	ANTONY IGIRE	on pension	Non		
13	PHILLIP KIANI	on pension	Non		
14	KILLSON SWAKA	on pension	Non		
15	JOSEPH LEGGE	on pension	Non		
16	COMPOE JADA	on pension	Non		
17	ALIS PONI MURI	on pension	Non		
18	JACKSON KENYI	Post Graduate	Non		
19	RONCIANO GORE	on pension	Non		
20	Raimundo GORE	on pension	Non		
21					

25 / Feb / 2011

No.	Name	Title	Organization	Mobile Phone	Signature
1	PROVIDENSIO KIANI	ON PENSION	Non		
2	PETER KIANI	"	Non		
3	DERENTINO DOGGIACI	"	"		
4	RICHARD KENYI	"	"		
5	MARCELLO FRANK	Actm officer of local	"		
6	LAWRENCE PITA	ON PENSION	"		
7	ALBINO KAKA	"	"		
8	ANTOIN TOMIRE	"	"		
9	JACKSON KENYI	Post graduate	"		
10	ZACHARIA	Director of Admin Aff	"		
11	AGNIS PONI	on Pension	"		
12	LILIAN PONI	"	"		
13	PETER LEGGE	"	"		
14	ELDA KIDEN	"	"		
15	Attant Rang x paibam	Geotechnical Engineer	ISCA "		
16	MARCELLO LADU	ON PENSION	"		
17	ZAKEO PITA	Sub CHIEF	"		
18	STEPHEN YOUNG	ON PENSION	"		
19	PHILIP KIANI	"	"		
20	EVELINA NENE	"	"		
21	LUCIA PONI	"	"		

No.	Name	Title	Organization	Mobile Phone	Signature
22	ALIS DONI	ON PENSION	NOT		
23	SP STEPHEN YOUNG	ON PENSION	NOT		
24	EMMANUEL LADU	ON PENSION	NOT		
25	SEDONIA DONI	ON PENSION	NOT		
26	CELECINA PURU	ON PENSION	NOT		
27	MARY PITA	ON PENSION	NOT		
28	CHRISTINA JIGI	ON PENSION	NOT		
29	SHOJI TAKEO	Environmental Sp	JICA		
30					
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AFFECTED AREAS ON AGRI LAND

No.	Name	Title	Organization	Mobile Phone	Signature
1	PHILLIPA KIANI	ON PENSSION			
2	ALICE PONI	II			
3	METHEDIO TONGUN	II			
4	ZAKEU PITA	II			
5	ALBINA KAKA	II			
6	EVELINA NENE	II			
7	ERIMILIO LORO	II			
8	PETER WANI	II			
9	EMMANUEL PITA	II			
10	RICHARD PITA	II			
11	ANTONY TAVIBE	II			
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(4) 3rd Stakeholders' Meeting

Minutes of Meeting held on 27 February 2011

27th Feb. 2011

PREPARATORY SURVEY ON THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN SOUTHERN SUDAN

Minutes of Meeting for the 3rd Stakeholders Meeting
Environmental/Social Survey and Declaration of Cut-Off-Day

Purpose: Declaration of Cut-Off-Day

Date: 27th December 2010

Venue: Near Lologo bridge off lologo street

Time: 15.00-8:00

Number of Participants: About 165 including 27 ladies

Chaired by: Mr. Michael Francis, Deputy Director Rejaf Payam

Prayers

- General introduction of the study team and government representatives
- Stating out the agenda/objectives of the meeting
- Overview of the road project by Engineer Otim MTR
- Formation of Committee: The committee will be composed CES, GOSS and community members. The committee will be charged with;
- Analysis of the assets affected which has been quantified by the engineers
- Community members will have a chance to be employed. The chief will identify community to work for the project.

Project Requirements

The contractors will require a workman's camp, water supply and other facilities that will remain for the community once the project is completed

Question Time

Question 1 How do we know if we are affected or not

Ans. Survey studies are ongoing and not yet complete. It will be determine during the final alignment. As per the governments zoning procedures Lologo is classified as 4th class. Under this class buildings are made of temporary, materials and are under payam administration. Plots affected by the project area will be identified for compensation and presented to the committee and Payam commissioner. For open land the committee value rates of the plots as it appreciates (farmland, mangoes, agriculture forestry etc). The development is for country and the community

Question 2 Will government allocate land for PAP's identified in the assessment within the same the same payam

Answer by Chief Wani. Quarter council south no survey so far. But it is ongoing. The numbers of households that fall within the right of way are more in Lologo as compared to Rejaf East

Remark by chairman Lologo south quarter council – The compensation amount should include relocation cost to the new identified places. There is no need for giving money as compensation instead it should be house for house. Compensation should be calculated as per the existing market rates. The new relocation areas should have access to police station, water, schools and medical centres. The compensation exercise should also be carried with dignity.

Response to the remarks: The plots to be compensated will be allocated with reference numbers and identified properly with details. Access to the new relocation area will depend on the existing plan of that area.

Question 3 For how long will displacement demolition take place?

Answer The demolition will only take place for the Juba Bridge and access road project. Adequate time will be given for the PAPS relocation as soon as the alignment is determined.

Question 4 Lologo East has never been demarcated unlike south and west lologo where land and surveyed and plots allocated. what will happen to the houses that lie within the proposed road reserve. We suggest that Lologo East be given special attention.

Answer Michael Francis , Payam Administrator

The interim constitution recognizes that land belongs to the community. Write to the payam and request land to be registered and surveyed and the exercise will be carried with the communities.

Question 5 There is word going round that the alignment of the road is targeting a few people, please clarify.

Answer by Eng Otim That statement is totally false and the alignment depends on the design.

Question 6 What will happen if the government refuses to compensate or rejects the project

What will happen in cases where the road dissects a 20m by 20m plot? How will that be handled? Will the compensation focus on the design of the affected house?

Answer Anybody who has stayed in the country for three years becomes a resident. PAPS will be identified after the final alignment is out and they will be handled by the commissioner. Consultation will also be done with the chief to get consent for the project. All the Members of the PAPS will be consulted.

Remark by Mary (The only lady to speak)

Allocation of new land for PAPS should not be given for double ownership plots. Occupants without allotment letters should be given special considerations.

Grave yard issue

For the grave yards with the road corridor the chief with community leaders will organize prayers and memorial service for the deceased

Question 8 Are there standard approved rates for compensation?

Answer by Michael Payam administrator Compensation for trees and farmlands will be as per guidelines from ministry of agriculture. Compensation for house and other assets will as per guidelines from MOPI and CES

Closing Remarks

Meeting has adapted an approach in consultative meeting. A committee will be formed. photographs for records will be taken for the present status of the PAPS assets and developments.

Declaration of Cutt-Off-Day

The meeting declared 27th February 2011 as the Cut-Off-date

LIST OF PARTICIPANTS (KEY PARTICIPANTS)

	Name	Designation	Tel. No
1	Otim Bong	Deputy Director, Urban Roads, MTR, GOSS	
2	Ms Patricia Gibril Ali	Environmental Officer, MTR, GOSS	
3	Eng. Felix Wani	Road Engineer, MTR, GOSS	
4	Michael Francis K.	Deputy Director, Rejaf Payam	
5	Eng. Roman Margkui Lukak	Director of Roads and Bridges, MOPI, CES	
6	Zacharia Khamis	Administration Officer, Rajaf Payam	
7	Zakayo Pitia	Sub-Chief, Lologo	
8	Prudensio Wani	Chairman, Lukugu	
9	Mary Kiden	Community Officer, world Vision	
10	Deny Arem Nyok	Director of Logistics, SPLA	
11	Mr. Richard Taban	Southern Sudan TV Reporter	
12	Jay Peter	Teacher, Ministry of Education, Juba	
13	Peter Duku Wani	M.P, CESLA	
14	Marko Edward Logel	Radio Presnter, Bakhita Radio 91FM	
15	Kiyatoka Tamari	Project Formulation Advisor, Southern Sudan Office, JICA ,	
16	Dr. Gose Shingo	JICA Study Team Members	
17	Dr. Jovito Santos		
18	Mr. Mizoto Yuzo		
19	Mr. Shoji Takeo		

NB: Further participants are listed below

Minutes of Meeting held on 27 February 2011



Officials from GOSS who attended the meeting.
They included



JICA Study Team members showing the
location map of the proposed bridge and road
to the meeting participants.



A section of the participants. A total of 165
community members attended the meeting.



A section of women who attended the meeting.
There was a total of 22 women who attended
the gathering.



A participant asks question



Mr. Otim Bong, Deputy Director, Urban Roads, Ministry of Transport and Roads, GOSS, responds to questions from community members who attended the meeting.



The owns the state-of-the-bungalow near the project road at Lologo, enquires from GOSS officials and JICA Team Members if his already constructed building will be affected (*see photo below*). The building is situated just a few meters from the 100m road reserve, and therefore not affected.



The bungalow with stone wall, razor wire protected stones perimeter wall.

Minutes of Meeting held on 27 February 2011



Mrs. Mary Kiden, a community officer in Lologo enquires about resettlement procedures for the community members who will be affected.



Majority of the building situated in Lologo and Gumbo, are made of clay walls, plastered with cement, and iron sheet roofs.

List of Participants, 3rd Stakeholders Meetings held in Lologo.

27th February 2011

3rd STAKEHOLDER MEETING JUKA NILE BRIDGE PROJECT

No.	Name	Title	Organization	Mobile Phone	Signature
1	HAROUS Atnies	Environmentalist	CTI/NORKEN/JICA		
2	Joseph NAWAGU	Environmentalist	CTI/NORKEN/JICA		
3	Patricia Gabriel Ali	"	MTR/PMI		
4	Jovito Santos	JICA Study Member	CTI		
5	JOSE Shingo	"	"		
6	Edmund GITAU	"	NORKEN		
7	Cosmas Wani	Teacher Comm. member	Lologu community		
8	Wilson Sunka	Community member	"		
9	Marcelo Wani	"	"		
10	Philip Peter Peter	"	"		
11	Gabriel Lado	"	Lologo		
12	Stephen Wren	"	Lologo		
13	USPAP Hall	"	Lologo		
14	Stephen Luko	"	Lologo		
15	ALPHONSE DUPARI	R/A INTERNATIONAL	Lologo B II south mid		
16	NICHOLAS DARIO	Community Member	Lologo community		
17	Richard Taban	SSIV/Reporter	Lologo		
18	Santa A. PAUL	Community Member	Lologo South		
19	AWAR MAC Ayele M	Police	Lologo South		
20	MAJOK - Hol RICH.C	Police	Lologo South		
21	KOCE MICHAEL	Building	Lologo South		

No.	Name	Title	Organization	Mobile Phone	Signature
22	Rose Kiaten Gabu Agni		Community C.		
23	Remajo Lekong Ladu	Lab. Technician	J. T. HESP.		
24	DUKU SUKOLE JAMA	SECRETARY Lolohos	TEACHER		
25	MARY KIDEM	Commodity Officer	World Vision		
26	TABAN FRANCIS	Community Member	lologo Community		
27	MAJOR CHUL (F)	"	"		M.J.
28	ABRAM NYAL (F)	"	"		B
29	LENGBOL NGAL (F)	"	"		L.N
30	DANG YOL GAA (F)	"	"		D.Y.G
31	MOLET ACHIEK (F)	"	"		M.A
32	MARY AKU (F)	"	"		M.A
33	ALEX ATEM (F)	"	"		A.A
34	MARTHA BUOL (F)	"	"		M.B
35	PRISCILLA ASIGNS (F)	"	"		P.A
36	RACHEL YONG (F)	"	"		R.Y
37	M EMMANUEL DICI DARIO	"	"		
38	M SAMUEL LADU SANTU	"	"		
39	M JAMES PHILIP	"	"		
40	M IANU LADU	"	"		
41	JACOB LABO SEVERING	"	"		
42	John wani penetrey	Community member	Lologo Community		

Minutes of Meeting held on 27 February 2011

No.	Name	Title	Organization	Mobile Phone	Signature
43	YAR MAKUACH (F)	Community member	Lologo Community		
44	NYVAL KOR (M)	"	"		Y.M
45	ANEI KRI RIJAK	"	"		
46	ARGASTIMO Lodu Joda	"	"		
47	JUSTINE Lodu EDWARD	"	"		
48	PHILIP WANI	"	"		
49	Emmanuel Lodu	"	"		
50	Benice Loro	"	"		
51	Gabriel Joda	"	"		
52	Richard Pitia	"	"		
53	Benaya Moku	"	"		
54	MARTIN KRET	"	"		
55	Faulino Legge	"	"		
56	Stephen Younga	"	"		
57	Mohammed Enosa	"	"		
58	Denise Wani	"	"		
59	Robert Modi	"	"		
60	Zakeo Pitia	"	"		
61	Moni's Bangua	Sub-Chief	Sub-Chief		
62	Samuel Madkins	Community member	Lologo		
63	Alick Ngeth	Resident C.E. of Pdia	SSPS		
64	James Abonic	Resident			
65		Police Lologo C.E.S			

66. Compeo Laku	"	"	
67. James Atem	"	"	
68. Marcello Ladu Lenni	"	"	
69. James Ladu Solomon	"	"	
70. REV. JORGE ABELLY MOLUC	"	"	
71. JORGE KADEN	"	"	
72. SAMUEL MORRIS	"	"	
73. Atanesio Wani	"	"	
74. Charles homigean Pilia	"	"	
75. Jorisa Iba Kenyi	"	"	
76. ADALL ATOK	"	"	
77. Agnes Michael (F)	"	"	
78. Ludia Kesi (F)	"	"	
79. Rosalia Kaku (F)	"	"	
80. Agnes poni (F)	"	"	
81. Cecilia Wani (F)	"	"	
82. Richard Kenyi (F)	"	"	
83. Mary list (F)	"	"	
84. Rebecca Igaanu (F)	"	"	
85. Nambol Asach. (F)	"	"	
86. Aloum Muniang (F)	"	"	
87. Roda Atem (F)	"	"	
88. Peter Henry	"	"	


















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Minutes of Meeting held on 27 February 2011

No.	Name	Title	Organization	Mobile Phone	Signature
43	Barverian, Ken	0911 989 592			Ken
44	Veronika Kef	0911 989 599			RJP
45	Raimon Tam	0912571235			Entab
46	Joseph Reye	Block Maker	Lotogio		Joseph
47	Joseph Jlog	SPLA	SPLA		Joseph
48	Bernardin Lodu	Chancellor	KIT		Bernardin
49	Philip Juvak	Culture & Information	SES		Philip
50	Samuel Suta				Samuel
51	Jay Peter	Teacher	Ministry Education		Jay
52	Charles Roder Tombo		Technical		Charles
53	Julia John Pio		Lotogio Centre		Julia
54	Madger Suta				Madger
55	Mat. Sulaiman Bodo	Security Officer	SPLA		Mat. Sulaiman
56	Michael Williams		JOSS		Michael
57	Marko Edward Logel	Radio Presenter	Bakula Radio 91.5m		Marko
58	Juste Loda				Juste
59					
60					
61					
62					

	NAMES	TITLE	TEL	SNG.
89	Corrina Gore	Community member		Corrina
90	Elijah Biar Knele	"		Elijah
91	Re Moses Chol Paul Deng	"		Chol
92	Suzon Peter (F)	"		Suzon
93	David Tabakul	"		David
94	Jina Luril (F)	"		Jina
95	Mary Peter (F)	"		Mary
96	Deng Well (F)	"		Deng
97	Achel Magur Nyang (F)	"		Achel
98	Aluyal Well	"		Aluyal
99	Kuei Garang			Kuei
100	Nyanduik Gatkuat (F)			Nyanduik
101	Mary Puot (F)			Mary
102	Aluel Atem (F)			Aluel
103	Nyanduik Heel (F)			Nyanduik
104	Achel Hassen (F)			Achel
105	List. Badri (F)			List.
105	Rebecca Abut (F)			Rebecca
106	Jackson Orrek Paul	"		Jackson
107	Jacob Ladu Severino			Jacob

	NAMES	TITLE	TEL	SNG.
89	Carpino Goye	community member		cap
90	Elijah Biar Knele	"		cap
91	Re Moses chol but Deng	"		cap
92	Suzon peter (F)	"		cap
93	David Takabal	"		cap
94	Jina Luril (F)	"		cap
95	Mary peter (F)	"		cap
96	Deng Well (F)	"		cap
97	Achel Magur Nyang (F)	"		cap
98	Aluyal Well	"		cap
99	Kuei Garang			
100	Nyduil Gakluat (F)			
101	Mary puat (F)			
102	Aluel Atem (F)			
103	Nyanolil Incel (F)			
104	Achel Hassen (F)			
105	List. Badri (F)			
105	Rebecca Abut (F)			
106	Jackson Orrek paul	"		
107	Jacob Ladu Severino			

(5) Joint Site Inspection

Report of Joint- Site Reconnaissance 4 March 2011

Result of Joint-Site Reconnaissance

Date: 4th March 2011 (Saturday)

Location: Lologo Village (west bank)

Time: 9:00-14:00

Participants:

- GOSS
 - Felix Wani, Road Engineer, MTR
 - Abdalla Wani, Pollutant Control Officer, MOE
 - Moses Gogonya,
- CES:
 - Anthony Peter Swaka, Senior Divisional Engineer, Directorate of Housing and Construction, MOPI
 - Justin Pere Dilla, Town Planning Division, Directorate of Land and Town Planning, MOPI
 - Adelmo Augustiso Laku, Senior Surveyor, Directorate of Survey, MOPI
- Community
 - Prudencio Wani, Chairman of Lologo Community
 - Affected peoples
- Study Team
 - Shingo Gose, Team Leader
 - Yuzo Mizota, Bridge Engineer
 - Tetsuro Izawa, Road Engineer
 - Takeo Shoji, Social Specialist
 - Mitsue Umiguchi, Environmental Specialist
 - Shuichi Nishi, Cost Estimation
 - Shuichi Mori, Hydrologist,

Activities

- Identification of ROW and affected structures/trees by installed pegs and drawing
- Confirmation that all development activities within ROW be suspended
- Identification economic activities (farming, brick drying, shops)
- Interview to affected people
- Affected people are agreed to move out of ROW after proper compensation be made to them

(6) 4th Stakeholders' Meeting

Minutes of Meeting for the 4th Stakeholders Meeting in Gumbo, 17th 03, 2011

PREPARATORY, CONSTRUCTION OF NILE RIVER BRIDGE IN JUBA, SOUTHERN SUDAN.

STAKEHOLDERS MEETING IN GUMBO ON 17th MARCH 2011.

Purpose: Explanation of study process to the Gumbo area community members.

Date: 17th March 2011.

Venue: Open space near River Nile at Gumbo, along the project alignment area.

Time: 12:00 noon to 1:30pm

Number of Participants: 60 including 27 ladies

Chaired by: Mr. Dimitri Lakomori, Gumbo Community Member

Opening Speech and Project Outline: 11:50 am 12:15pm

Mr. Felix, Officer with MTR, GOSS explained to the participants about the alignment of the proposed project road and bridge using the project site aerial map. He indicated the areas where the road will traverse, where the bridge will be constructed. He indicated on the map and physically pointing the possible areas which will be affected within 30metres road alignment.

Question from Mr. Mr. Dimitri Lakomori, Gumbo Community Leader.

As the elder of Gumbo Community (next to sub-chief), he expressed his and community members' agreement with the project. However, It is true that the new development will attract other forms of development within Gumbo, especially encroachment of land grabbers upon Gumbo due to the presence of a new access road and new bridge. How will the GOSS or MTR address the issue?

Answer from Mr. Felix, Officer with MTR, GOSS

The GOSS is aware of possible post-project developments and such individuals who will unlawfully or illegally come and settle within Gumbo during construction or operation of the new bridge will be dealt with by the Government.

Question about the existing graves within Gumbo which might be affected by the project.

Answer from Mr. Felix

Graves shall be excavated, bodies (or bones) exhumed and shifted to another locations fully in accordance with the customs of the community. Expenses which will incur during exhuming and relocation of the remains to new graves will be met by the Ministry of Transport and Roads (MTR). The Ministry has already agreed on the issue.

Question: *During the construction of the old Nile Bridge, the money which was given to the affected community by then was so little, just like chicken feed!. Are we going to have the same problem for the new proposed bride?*

Answer from Mr. Felix

The situation has changed and compensation will be done with accordance with results from area assets inventory survey and corresponding the current market value of the affected property.

Question: *The project will affect some farms. How will the issue be addressed to avoid damage of farming areas?*

Answer from Mr. Felix

Alternative garden shall be provided, by ploughing near the open space and bringing fertile soil from original place. Compensations will be made if they could not harvest crops.

Closing Remarks

Mr. Shoji thanked all those who attended the meeting and approval of the project. He explained to them once the survey preparatory work is over commencement of the second phase of the project should not take long. He requested the community to cooperate with the other stakeholders in implementing.



Mr. Shoji and Mr. Dimitri Lakomori community leader, Gumbo, Community Leader, Gumbo, showing the community the road and bridge alignment map.



A section of the people who attended the meeting.



Women who attended the meeting.



A participant asks questions..

Source: Consultant Team, Juba, 2011.

STAKEHOLDERS MEETING FOR THE PROPOSED JUBA NILE BRIDGE PROJECT.

Handwritten signature

17th March 2011

No	Name	Designation/Occupation	Organization	Mobile Phone No.	Signature
1	John Doe	Local resident	Local Committee		<i>Handwritten signature</i>
2	John Doe	Local resident	Local Committee		
3	John Doe	Local resident	Local Committee		
4	John Doe	Local resident	Local Committee		
5	John Doe	Local resident	Local Committee		
6	John Doe	Local resident	Local Committee		
7	John Doe	Local resident	Local Committee		
8	John Doe	Local resident	Local Committee		
9	John Doe	Local resident	Local Committee		
10	John Doe	Local resident	Local Committee		
11	John Doe	Local resident	Local Committee		
12	John Doe	Local resident	Local Committee		
13	John Doe	Local resident	Local Committee		
14	John Doe	Local resident	Local Committee		
15	John Doe	Local resident	Local Committee		
16	John Doe	Local resident	Local Committee		
17	John Doe	Local resident	Local Committee		
18	John Doe	Local resident	Local Committee		
19	John Doe	Local resident	Local Committee		
20	John Doe	Local resident	Local Committee		
21	John Doe	Local resident	Local Committee		
22	John Doe	Local resident	Local Committee		
23	John Doe	Local resident	Local Committee		
24	John Doe	Local resident	Local Committee		
25	John Doe	Local resident	Local Committee		
26	John Doe	Local resident	Local Committee		
27	John Doe	Local resident	Local Committee		
28	John Doe	Local resident	Local Committee		
29	John Doe	Local resident	Local Committee		
30	John Doe	Local resident	Local Committee		
31	John Doe	Local resident	Local Committee		

STAKEHOLDERS MEETING FOR THE PROPOSED JUBA NILE BRIDGE PROJECT

Jumbo

13th March 2011

No.	Name	Designation/Designation	Organization	Mobile Phone No.	Signature
32	Mabwila	Flora F	Local residents	AKIA/GE	
33	Ludia	hazel F	"	"	
34	Aghosa	James F	"	"	
35	Aghosa	heli F	"	"	
36	Kabita	Wina F	"	"	
37	Mama	Opah F	"	"	
38	Christina	heli F	"	"	
39	James James	Lege	"	"	
40	Benjamin	Lege	"	"	
41	Kenneth	Joseph	"	"	
42	Ludia	hazel	"	"	
43	Kenneth	Lege	"	"	
44	Joseph	Ludia	"	"	
45	hazel	Lege	"	"	
46	Flora	hazel F	"	"	
47	Mabwila	hazel F	"	"	
48	Mabwila	hazel F	"	"	
49	Mabwila	hazel	"	"	
50	hazel	Lege F	"	"	
51	Mabwila	hazel F	"	"	
52	hazel	hazel	"	"	
53	hazel	hazel F	"	"	
54	hazel	hazel F	"	"	
55	hazel	hazel F	"	"	
56	hazel	hazel F	"	"	
57	hazel	hazel F	"	"	
58	hazel	hazel F	"	"	
59	hazel	hazel F	"	"	
60	hazel	hazel F	"	"	
61	hazel	hazel F	"	"	
62	hazel	hazel F	"	"	

(7) 5th Stakeholders' Meeting

5th Stakeholders Meeting 24th March 2011

Report of the 5th Stakeholders Meeting

24th march 2011

Attachment:

- Minutes of Meeting
- Attendant Lists
 - Original with Signature
- Invitation Letter
- Proposed Participant
- Handout
- Photos

Minutes of the meeting for the 2nd key stakeholder meeting
Presentation of Key Finding EIA & RAP of preparatory survey on the project for
construction of Nile River bridge
in Southern Sudan

Date: 24th March 2011

Venue: Shalom Hotel and restaurant

Time: 9.30am – 12.30pm

Chaired by: Mr. Louis, the 1st Director General, Ministry of Physical Infrastructure, CES

Presenters: Mr. Haroub Ahmed and Mr. John Ndungu of the study team

9.30 – 10.00 am: Registration of Participants and introduction

10.00- 10.15am: Opening Speech: Mr. Louis Gore George, the 1st Director General of Ministry of Physical Infrastructure (MOPI), CES: Stated the importance of the project to GOSS, the state and the community, stressed the importance of consultation and understanding of the project environmental and social impacts

Introduction of the project by Ms Patricia Gibril of MTR

10.15-11.00am: Presentation of EIA finding by the consultant Mr. Joseph Ndungu

11.00 – 11.15am: Tea break

11.15-12.00am: Presentation of RAP findings by the consultant Mr. Haroub Ahmed

12.00 – 12.30 am: Discussion and Observation session chaired by Mr. Louis Gore George, the 1st Director General of Ministry of Physical Infrastructure (MOPI), CES:

Eng Romano of MOP CES remarked that the proposed cost for community agricultural land was too low and it should be raised to at least 15 SDG per metre square. He further said that the ministry of agriculture should also be consulted.

Mr. Emmanuel Matayo from MOPI remarked that more consultations have to be done not just for ROW road corridor of 30m but also the ROW 60m for the sake of future road expansion and future projects

Mr. Peter Laku Goro from Roads and Bridges department CES commented that more stakeholders should be consulted for instance ministry of agriculture and Forestry

The Director General of MOPI – Differentiate between legal occupants and illegal occupants, There exact numbers should be listed and be clearly defined. The director also added that temporary land will be offered to the contractors when the project commences for their camps and yards. The local communities will benefit in terms of employment and once the project is completed the contractor's camps will be used for other purposes like offices and community centers.

Mr Shoji from the study team remarked that the study have clearly identified all the affected people and classified them in such a way that genuine land owners and squatters can be identified. The genuine land owners will be compensated land for land and paid for their properties. They will be relocated to a proposed relocation site within Lologo that was provided by the community. Currently the place is used as a refugee camp but there are plans to move the refugees to a different location.

He continued that as for the squatters there are plan underway in conjunction with UN HABITAT to relocate to Durupi. This site is located about 12km out of Juba town. The squatters will be given training to build, materials by the donor. Land will be cheaply provided with low payments monthly of up to 100 SDG per month. The plots measuring 20m by 20m will cost 3000SDG.

The 1st Director General Mr. Louis Gore added that there are plans by his office to address issues of squatters within Juba County. His office has identified a piece of land measuring about 5km by 5km where landless people squatting in Juba can be moved. However he said tha it will take some time because they lack the necessary survey equipments to subdivide the land into plots.

The Administrator of Rejaf Payam Mr. Charles Andrew commented that he has received a list of people due to be compensated from the study team and the list is totally in accurate as it has left most genuine indigenous people especially the ones staying close to the River bank. He said he felt it was not fair and this situation might bring about problems in future for the project. He suggested that the people who have been left out should be interviewed and the status of their occupancy determined whether they are renting the places or the land belongs to them. He further said that a technical committee be formed to review and do a new survey of the affected people. The committee should be made up of persons nominated from the following bodies:

- Payam
- MOPI
- Community
- Consultants
- Environment
- Squatter Council

Mr. Shoji responded that the list he had was just a draft and the team now has an updated list complete with pictures and names of all the affected people. He further reiterated that the exercise the study team is carrying is just to get an compensation estimate for the final reports but not the actual payments which will come when the project is about to commence. Mr. Gabriel Makur from MTR added that other social infrastructure developments should come along with the bridge like hospitals

Mrs. Roda Allison from UNHCR added that gender and Vulnerable people should be considered in compensation and consultation.

Closing Remark.

Mr Gabriel Makuor DG Roads and Bridges

Mr Louis Gore 1st DG MOPI

Patricia Gabriel MTR

24th KEY STAKEHOLDERS MEETING FOR THE PROPOSED JUBA NILE BRIDGE PROJECT.

24th March 2011.

No.	Name	Designation/Organization	Mobile Phone No.	Signature
1.	Daniel Rada Kibajo	Ministry of Environment (CES)		
2.	John Njiru Gaudinaka	Ministry of Highways (CES)		
3.	Shoji Takeo	JICA Study Team		
4.	Jackson N. Roberts	UN-Habitat		
5.	Emmanuel Peter Wain	Housing		
6.	Leone Gere George	Physical Infrastructure		
7.	Mitsue Umiguchi	JICA Study Team		
8.	Jolly Eliana Andanaga	Ministry Housing CES		
9.	Rada Wilson Doko	UNHCR		
10.	HAROLD ATIMES	JICA Study Team/Insaan		
11.	JOSEPH NOUNGU	JICA Study Team/Insaan		
12.	Mr. Roman Marjhan Luker	Directorate of roads and br.		
13.	Peter Laku hord	Roads & Bridges CES		
14.	Charles Andrew Jada	Kejuf. Boma Kibera County		
15.	Zacharia Khassir Peter	Rajaf Payson		
16.	Adwok Chol Anu	SSCCE		
17.	MOLLA MASHINO	(CES) JUBA UAF		
18.	Isabel Mathur Amur	MTA		
19.	Daniel N. Gubel	MTA - GUS		
20.	Dennis Densuolofiani	Pl. Chief Jubaland County		
	Samed Davis	Jubaland County		
21.	Anthony Kamau	MAF/CES		
22.	MOLLA MASHINO	MAF (CES) JUBA		
23.	Adwok Chol Anu	SSCCE		
24.	Ruthus T. A. Pello	SSCCE		



5th Stakeholders Meeting 24th March 2011

**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**



Date 21st March 2011

Subject: Invitation to 2nd Stakeholders Meeting on Environmental/Social Survey for the Proposed New Nile River Bridge Project

Dear Sir /Madam

Following the Road Network Development Master Plan proposed under the Juba Transport Infrastructure and Capacity Development Study completed by JICA in December 2009, Government of Southern Sudan emphasized on the development of Roads Network and identified the urgency of constructing a Circumferential road including the New River Nile Bridge with the objective of the following :

1. To improve the International road network and provide direct link to Uganda and Kenya through Juba –Nimule Road.
2. Politically; I will symbolize the fruits of peace and catalyze economic development of Government of Southern Sudan.

Based on this the Government of Japan has entrusted a study to be conducted to identify the viability of the Project through the Japan International Cooperation Agency-JICA. A Preparatory Survey which includes the study of the existing Environmental and social conditions related to the Nile River Bridge commenced in November 2010 and is currently ongoing. During the study a resettlement action plan for people who will be affected by the project was also conducted in accordance to the existing Legal frame works of GOSS, Japan Guidelines and World Bank.

We wish to invite you to attend the 2nd Stake holders meeting to present the study progress and findings on the 24th March 2011 at 9.30 am at Shalom Hotel and Restaurant. The program is as attached .Your participation is highly appreciated.

Yours Sincerely;

Eng. Jacob Marial
Director General-Roads and Bridges
Ministry of Transport and Roads;
Government of Southern Sudan –GOSS.



5th Stakeholders Meeting 24th March 2011
**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**



Program Outline of the 2nd Stakeholders Meeting Environmental /Social Survey Study planning on 24th March 2011 at 9:30Am.

- Date: Thursday, 24th of March, 2011.
- Venue: Shalom Hotel and Restaurant

Program:

- 9:30 – 10:00am Arrival and Registration
- 10:00 – 10:15am Opening remarks by Eng. Jacob Marial Director General Roads and Bridges Ministry of Transport and Roads.
- 10:15 – 11:00Am – EIA Findings, presented by Mr. Joseph Ndungu
- 11.00 – 11.15 am – Tea Break
- 11.15 – 12.00 pm - RAP Findings, presented by Mr. Haroub Ahmed
- 12:00 – 12:45Pm Discussions and Observations.
- 12:45 – 13:00Pm – Closing Remarks by Eng. Jacob Marial Director General Roads and Bridges Ministry of Transport and Roads and IST Director General: Mr. Louis George Gore –MOPI and Lunch



5th Stakeholders Meeting 24th March 2011

**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**



List of Proposed Participant:

□ Goss

- 1) Mr. Jacob, Director General, Ministry of Transport and Road
- 2) Undersecretary, Ministry of Environment Ministry
- 3) Chairman, Southern Sudan Land Commission
- 4) Undersecretary, Ministry of Forest and Agriculture
- 5) Undersecretary, Ministry of Health
- 6) Chairman, Commission of Census and Statics
- 7) Traffic Police, Ministry of Interior
- 8) Road Safety Officer, Ministry of Transport and Road

CES

- 9) Mr. Louis, The First Director General, Ministry of Physical Infrastructure
- 10) Director General, Road and Bridge, Ministry of Physical Infrastructure
- 11) Director General, Housing, Ministry of Physical Infrastructure
- 12) Director General, Land and Survey, Ministry of Physical Infrastructure
- 13) Director General, Agriculture and Forest
- 14) Minister, Ministry of Environment
- 15) Commissioner of Juba County
- 16) Executive Director of Rajaf, Payam (East bank)
- 17) Executive Director of Lorogo, Payam (West bank)
- 18) Paramount Chief of Rajaf
- 19) Paramount Chief of Lologgo

Donor

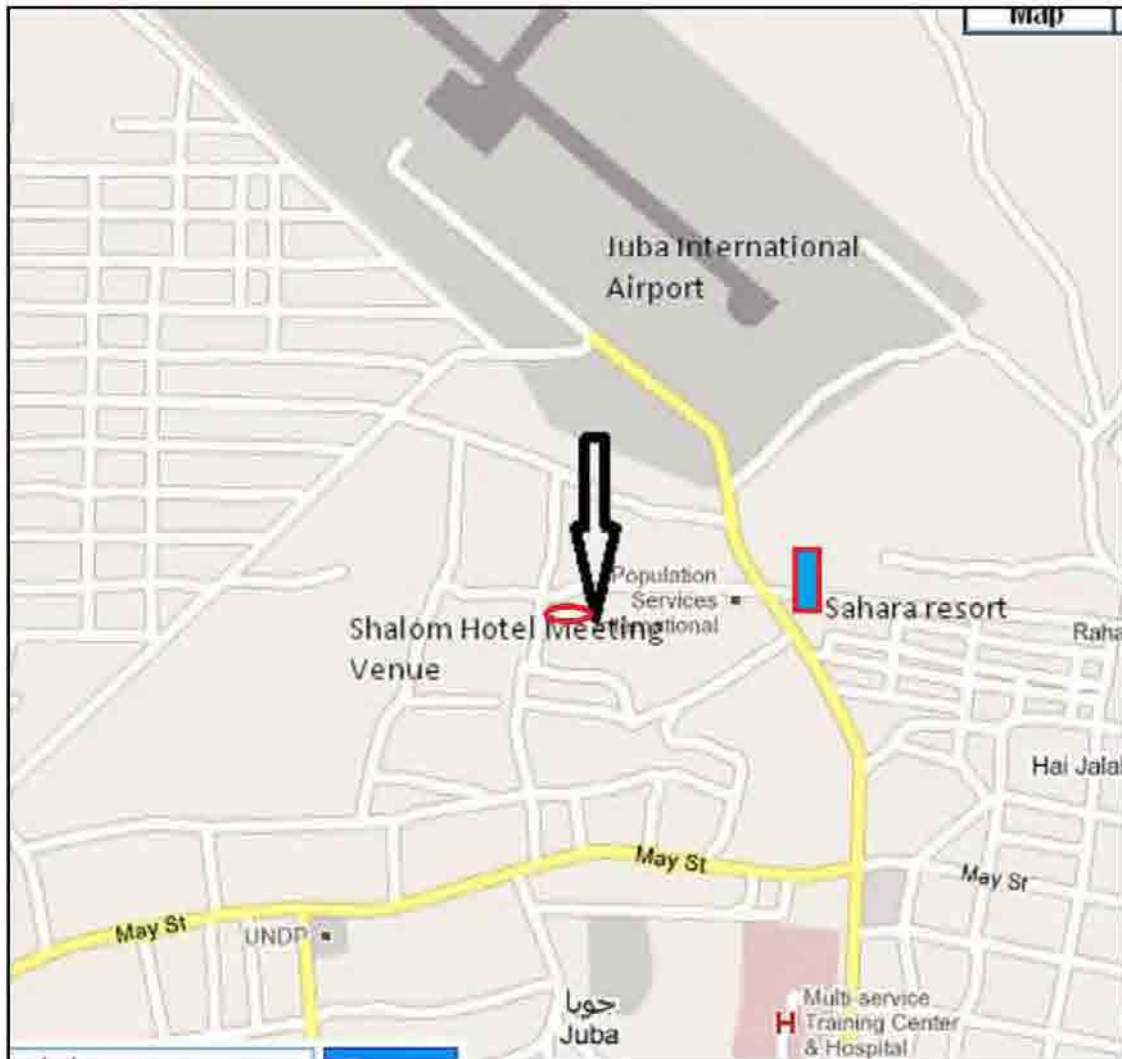
- 20) UNDP
- 21) USAID
- 22) UNEP
- 23) UNHCR
- 24) World Bank
- 25) Tamari, JICA
- 26) UN-HABITAT



5th Stakeholders Meeting 24th March 2011
**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**



Shalom Hotel Location Map



**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**

**Presentation on Progress and Findings
Environmental Impact Assessment(EIA)
and
Resettlement Action Plan (RAP)**

Norken International Ltd.
Engineering and Management Consultants
PO Box 9882 Nairobi 00100 Kenya
web: www.norken.co.ke

CTI ENGINEERING INTERNATIONAL
CO.,LTD

Objectives of EIA for the Proposed Initiative

- To help establish the baseline data, by having a thorough understanding and presentation of the existing environmental conditions of the area and its surroundings before any construction procedures commences.
- Create linkages during the project cycle (design, construction and operation) and try to gain a thorough understanding of some of the emerging impacts on the environment.
- Predict the extent of the impacts on the environment, develop an EMP and monitoring plan.

The Project Area



JICA' S Environmental Guidelines

Project should meet the requirements for environmental and social considerations stated in the JICA Guidelines on environment and social considerations, which are:

- Project to comply with the laws or standards related to the environment and local communities in the central and local governments of host countries.
- Project to conform to those governments' policies and plans on the environment and local communities.
- Project should not deviate significantly from the World Bank's Safeguard Policies, to internationally recognized standards, treaties, and declarations, good practices etc.

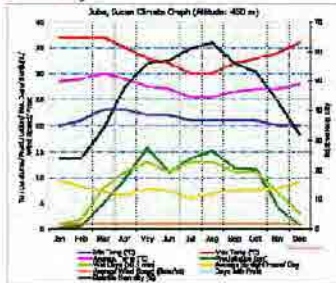
Findings on Natural Environmental Impacts

- Pollution (air, water, soil)
- Waste (construction debris)
- Noise and vibration
- Geographical features
- Biota and ecosystem
- Offensive odors
- Ground subsidence
- Poor and vulnerable people

Pollution

- Water related pollution during construction period of the bridge. Impacts on people who use Nile water and the aquatic life.
- Dust originating from material hauling vehicle to and from construction sites. Impacts of people living in close proximity to the project sites.
- Noise and vibration, - as a result of movement and running of heavy machinery and equipment.
- Soil pollution as a result of oil leakages from project's machinery and equipment.

Climate in Juba



Findings on Social Environmental Impacts

- Involuntary resettlement
- Land use and utilization
- Social institutions
- Existing social infrastructure
- Local conflicts of interests
- Employment, livelihood
- Infectious diseases (STDs, HIV/AIDS)

Land Use in Lologo and Gumbo



The project area and current land use in Lologo and Gumbo



Clay brick workers along the banks of Nile (Lologo) and a nursery school in Gumbo

Involuntary resettlement

- Land and property (houses etc) within a width of 30m ROW will be affected and will be first to be resettled
- PAPs will be compensated
- Further details about PAPs in the next RAP presentation.

Consultative Public Participation (CPP)



CPP held in Lologo on 27. 02. 11, where 160 people (included 27 women) attended.



CPP held at Gumbo on 17. 03. 11. A total of 60 people (included 15 women) attended the meeting.

Relevance Consultative Public Participation

- To gain views from the public and their concerns
- Develop transparency and accountability during project cycle (design, construction and operation).
- Identify possible bottlenecks
- Avoid possible conflicts between the project proponents, PAPs and stakeholders
- To avoid delay in project implementation and therefore saving unnecessary project costs

Issues of Concern during CPP in Lologo

- How the community will know if they are affected.
- Community is skeptic on compensation in case it is going to be handled by GOSS.
- Whether the project alignment is targeting specific community.
- Whether GOSS will allocate land for PAP's identified in the assessment within the same the same Payam.

Issues of Concern during CPP in Gumbo

- Development will attract illegal settlers.
- Post-project developments
- Whether the amount of money to be compensated to PAPs will be enough
- Project will affect farms: How farmers will be compensated.

Pending Work to Accomplished.

- Writing the draft Environmental Impact Assessment (EIA) report for the explanation to the stakeholders by July 2011.
- Writing the final EIA report, submit it to GOSS for approval in August 2011.

RAP

Components of Resettlement Action Plan

- Identification of project impacts and the affected population
- Step 1: Mapping
- Step 2: Census
- Step 3: Inventory of Affected Assets
- Step 4: Socioeconomic Studies
- Step 5: Analysis of Surveys and Studies
- Step 6: Consultation with Affected People Concerning
- Assistance Benefits and Development Opportunities

The Project Area



RAP Findings: Socioeconomic Studies

Issues studied included:

- Communities perception about the project.
- Social conditions of the study sites.
- Economic conditions.
- Education, culture and security issues.

Legal Framework

- The GOSS Land Act 2009 available and comparisons made with the JICA Guidelines, hence gaps and differences identified.
- The World Bank's resettlement policy which ensure that population displaced by a project receives benefits from it. is being observed during the resettlement action planning procedures.

JICA Guidelines and GOSS Land Law.

Guidelines/Act	Guidelines	JICA Guidelines/GOSS Land Law
Resettlement and Rehabilitation (R&R) Act 2009	Article 10: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 10: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.
Resettlement and Rehabilitation (R&R) Act 2009	Article 11: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 11: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.
Resettlement and Rehabilitation (R&R) Act 2009	Article 12: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 12: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.
Resettlement and Rehabilitation (R&R) Act 2009	Article 13: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 13: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.
Resettlement and Rehabilitation (R&R) Act 2009	Article 14: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 14: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.
Resettlement and Rehabilitation (R&R) Act 2009	Article 15: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 15: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.
Resettlement and Rehabilitation (R&R) Act 2009	Article 16: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 16: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.
Resettlement and Rehabilitation (R&R) Act 2009	Article 17: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 17: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.
Resettlement and Rehabilitation (R&R) Act 2009	Article 18: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 18: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.
Resettlement and Rehabilitation (R&R) Act 2009	Article 19: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 19: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.
Resettlement and Rehabilitation (R&R) Act 2009	Article 20: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.	Article 20: The State shall ensure that the displaced persons are resettled in a manner that is consistent with the principles of justice, equity, and efficiency.

Social Survey -Land Ownership and Acquisition

Type of Land Ownership

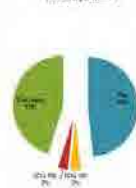


Land Acquisition

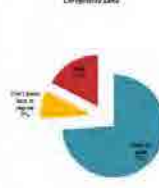


Land Rent and Registration

Land Rent per Month



Disputed Land



Category of Project Affected Persons (PAPs).

Price Review of Assets and Economic Activities within the Project Site.			
	With Title	For Title Dispute	For Title Dispute
1. Residential homesteads	Deeds		For Title Dispute
2. Business Establishments			For Title Dispute
3. Farms along River side			For Title Dispute
4. Clay Bricks Manufacturers			For Title Dispute


Typical houses to be affected



Design of 80% of houses

The most expensive house within the alignment

Other types of structures within the alignment



Tukul under construction (left)

a business kiosk made of bamboo walls and iron sheets roof

An earth brick house under construction

A dwelling shanty made of bamboo and canvas rags.

Assets Survey, House Area, Fence Length and Trees

Items	No Within Role Area	Length Area, M²
House Area	350	3442.74
Fence	61	2798m
Trees: Neem	113	
mango	2	
Vanasia	1	

Inventory of Affected Assets (Houses)

Asset Type	Count	Area (m²)
House (Total)	350	3442.74
House (Type 1)	100	1000.00
House (Type 2)	150	1500.00
House (Type 3)	100	1000.00
House (Type 4)	50	500.00
House (Type 5)	20	200.00
House (Type 6)	10	100.00
House (Type 7)	5	50.00
House (Type 8)	2	20.00
House (Type 9)	1	10.00
House (Type 10)	1	10.00

Proposed Compensation Cost for Land with unit prices

Asset Type	Unit Price (USD/m²)	Area (m²)	Total Cost (USD)
House (Type 1)	10.00	1000.00	1000.00
House (Type 2)	10.00	1500.00	1500.00
House (Type 3)	10.00	1000.00	1000.00
House (Type 4)	10.00	500.00	500.00
House (Type 5)	10.00	200.00	200.00
House (Type 6)	10.00	100.00	100.00
House (Type 7)	10.00	50.00	50.00
House (Type 8)	10.00	20.00	20.00
House (Type 9)	10.00	10.00	10.00
House (Type 10)	10.00	10.00	10.00
Total		3442.74	3442.74

Proposed Compensation Cost for Building unit prices

Asset Type	Unit Price (USD/m²)	Area (m²)	Total Cost (USD)
House (Type 1)	10.00	1000.00	1000.00
House (Type 2)	10.00	1500.00	1500.00
House (Type 3)	10.00	1000.00	1000.00
House (Type 4)	10.00	500.00	500.00
House (Type 5)	10.00	200.00	200.00
House (Type 6)	10.00	100.00	100.00
House (Type 7)	10.00	50.00	50.00
House (Type 8)	10.00	20.00	20.00
House (Type 9)	10.00	10.00	10.00
House (Type 10)	10.00	10.00	10.00
Total		3442.74	3442.74

Proposed Compensation Cost for Trees unit prices

Year	Domestic (USD '000)		International (USD '000)		Total (USD '000)	
	Quantity	Revenue	Quantity	Revenue	Quantity	Revenue
2019	18,000	1,000,000	2,000	100,000	20,000	1,100,000
2020	18,000	1,000,000	2,000	100,000	20,000	1,100,000
2021	18,000	1,000,000	2,000	100,000	20,000	1,100,000

Proposed Compensation Cost for Hand pump and Cemetery unit prices

[illegible]

Proposed Compensation Cost (with unit price)

Company	Revenue	Employees	Revenue per Employee
Alphabet Inc.	\$1,000,000,000	100,000	\$10,000
Apple Inc.	\$1,000,000,000	100,000	\$10,000
Microsoft Corp.	\$1,000,000,000	100,000	\$10,000
Amazon.com	\$1,000,000,000	100,000	\$10,000
Facebook Inc.	\$1,000,000,000	100,000	\$10,000
Google Inc.	\$1,000,000,000	100,000	\$10,000
Twitter Inc.	\$1,000,000,000	100,000	\$10,000
LinkedIn Corp.	\$1,000,000,000	100,000	\$10,000
Slack Technologies Inc.	\$1,000,000,000	100,000	\$10,000
Zoom Video Communications Inc.	\$1,000,000,000	100,000	\$10,000
Dropbox Inc.	\$1,000,000,000	100,000	\$10,000
Box Inc.	\$1,000,000,000	100,000	\$10,000
OneDrive	\$1,000,000,000	100,000	\$10,000
Google Drive	\$1,000,000,000	100,000	\$10,000
Microsoft OneDrive	\$1,000,000,000	100,000	\$10,000
Apple iCloud	\$1,000,000,000	100,000	\$10,000
Amazon S3	\$1,000,000,000	100,000	\$10,000
Google Cloud Storage	\$1,000,000,000	100,000	\$10,000
Microsoft Azure	\$1,000,000,000	100,000	\$10,000
IBM Cloud	\$1,000,000,000	100,000	\$10,000
Oracle Cloud	\$1,000,000,000	100,000	\$10,000
Salesforce.com	\$1,000,000,000	100,000	\$10,000
Workday Inc.	\$1,000,000,000	100,000	\$10,000
Paycom Software Inc.	\$1,000,000,000	100,000	\$10,000
ADP Inc.	\$1,000,000,000	100,000	\$10,000
Payroll.com	\$1,000,000,000	100,000	\$10,000
ADP Workforce Solutions	\$1,000,000,000	100,000	\$10,000
Paycom People	\$1,000,000,000	100,000	\$10,000
ADP TotalSource	\$1,000,000,000	100,000	\$10,000
Paycom HCM	\$1,000,000,000	100,000	\$10,000
ADP Workforce	\$1,000,000,000	100,000	\$10,000
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Paycom HCM	\$1,000,000,000	100,000	\$10,000
ADP Workforce	\$1,000,000,000	100,000	\$10,000
Paycom People	\$1,00		

Draft CES FY 2011 Land Rates

ITEM DESCRIPTION		QTY	UNIT PRICE	TOTAL AMT
MATERIALS				
3" Dia Res				
1	Clear 100' (2" Dia) (ASTM)	1200	750	900000
2	Clear 100' (2" Dia) (ASTM)	432	185	79920
3	Clear 100' (2" Dia) (ASTM)	1200	185	222000
4	Clear 100' (2" Dia) (ASTM)	1200	185	222000
5	Clear 100' (2" Dia) (ASTM)	1200	185	222000
6	Clear 100' (2" Dia) (ASTM)	1200	185	222000
7	Clear 100' (2" Dia) (ASTM)	1200	185	222000
8	Clear 100' (2" Dia) (ASTM)	1200	185	222000
9	Clear 100' (2" Dia) (ASTM)	1200	185	222000
10	Clear 100' (2" Dia) (ASTM)	1200	185	222000
11	Clear 100' (2" Dia) (ASTM)	1200	185	222000
12	Clear 100' (2" Dia) (ASTM)	1200	185	222000
13	Clear 100' (2" Dia) (ASTM)	1200	185	222000
14	Clear 100' (2" Dia) (ASTM)	1200	185	222000
15	Clear 100' (2" Dia) (ASTM)	1200	185	222000
16	Clear 100' (2" Dia) (ASTM)	1200	185	222000
17	Clear 100' (2" Dia) (ASTM)	1200	185	222000
18	Clear 100' (2" Dia) (ASTM)	1200	185	222000
19	Clear 100' (2" Dia) (ASTM)	1200	185	222000
20	Clear 100' (2" Dia) (ASTM)	1200	185	222000
21	Clear 100' (2" Dia) (ASTM)	1200	185	222000
22	Clear 100' (2" Dia) (ASTM)	1200	185	222000
23	Clear 100' (2" Dia) (ASTM)	1200	185	222000
24	Clear 100' (2" Dia) (ASTM)	1200	185	222000
25	Clear 100' (2" Dia) (ASTM)	1200	185	222000
26	Clear 100' (2" Dia) (ASTM)	1200	185	222000
27	Clear 100' (2" Dia) (ASTM)	1200	185	222000
28	Clear 100' (2" Dia) (ASTM)	1200	185	222000
29	Clear 100' (2" Dia) (ASTM)	1200	185	222000
30	Clear 100' (2" Dia) (ASTM)	1200	185	222000
31	Clear 100' (2" Dia) (ASTM)	1200	185	222000
32	Clear 100' (2" Dia) (ASTM)	1200	185	222000
33	Clear 100' (2" Dia) (ASTM)	1200	185	222000
34	Clear 100' (2" Dia) (ASTM)	1200	185	222000
35	Clear 100' (2" Dia) (ASTM)	1200	185	222000
36	Clear 100' (2" Dia) (ASTM)	1200	185	222000
37	Clear 100' (2" Dia) (ASTM)	1200	185	222000
38	Clear 100' (2" Dia) (ASTM)	1200	185	222000
39	Clear 100' (2" Dia) (ASTM)	1200	185	222000
40	Clear 100' (2" Dia) (ASTM)	1200	185	222000
41	Clear 100' (2" Dia) (ASTM)	1200	185	222000
42	Clear 100' (2" Dia) (ASTM)	1200	185	222000
43	Clear 100' (2" Dia) (ASTM)	1200	185	222000
44	Clear 100' (2" Dia) (ASTM)	1200	185	222000
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46	Clear 100' (2" Dia) (ASTM)	1200	185	222000
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51	Clear 100' (2" Dia) (ASTM)	1200	185	222000
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53	Clear 100' (2" Dia) (ASTM)	1200	185	222000
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55	Clear 100' (2" Dia) (ASTM)	1200	185	222000
56	Clear 100' (2" Dia) (ASTM)	1200	185	222000
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58	Clear 100' (2" Dia) (ASTM)	1200	185	222000
59	Clear 100' (2" Dia) (ASTM)	1200	185	222000
60	Clear 100' (2" Dia) (ASTM)	1200	185	222000
61	Clear 100' (2" Dia) (ASTM)	1200	185	222000
62	Clear 100' (2" Dia) (ASTM)	1200	185	222000
63	Clear 100' (2" Dia) (ASTM)	1200	185	222000
64	Clear 100' (2" Dia) (ASTM)	1200	185	222000
65	Clear 100' (2" Dia) (ASTM)	1200	185	222000
66	Clear 100' (2" Dia) (ASTM)	1200	185	222000
67	Clear 100' (2" Dia) (ASTM)	1200	185	222000
68	Clear 100' (2" Dia) (ASTM)	1200	185	222000
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70	Clear 100' (2" Dia) (ASTM)	1200	185	222000
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72	Clear 100' (2" Dia) (ASTM)	1200	185	222000
73	Clear 100' (2" Dia) (ASTM)	1200	185	222000
74	Clear 100' (2" Dia) (ASTM)	1200	185	222000
75	Clear 100' (2" Dia) (ASTM)	1200	185	222000
76	Clear 100' (2" Dia) (ASTM)	1200	185	222000
77	Clear 100' (2" Dia) (ASTM)	1200	185	222000
78	Clear 100' (2" Dia) (ASTM)	1200	185	222000
79	Clear 100' (2" Dia) (ASTM)	1200	185	222000
80	Clear 100' (2" Dia) (ASTM)	1200	185	222000
81	Clear 100' (2" Dia) (ASTM)	1200	185	222000
82	Clear 100' (2" Dia) (ASTM)	1200	185	222000
83	Clear 100' (2" Dia) (ASTM)	1200	185	222000
84	Clear 100' (2" Dia) (ASTM)	1200	185	222000
85	Clear 100' (2" Dia) (ASTM)	1200	185	222000
86	Clear 100' (2" Dia) (ASTM)	1200	185	222000
87	Clear 100' (2" Dia) (ASTM)	1200	185	222000
88	Clear 100' (2" Dia) (ASTM)	1200	185	222000
89	Clear 100' (2" Dia) (ASTM)	1200	185	222000
90	Clear 100' (2" Dia) (ASTM)	1200	185	222000
91	Clear 100' (2" Dia) (ASTM)	1200	185	222000
92	Clear 100' (2" Dia) (ASTM)	1200	185	222000
93	Clear 100' (2" Dia) (ASTM)	1200	185	222000
94	Clear 100' (2" Dia) (ASTM)	1200	185	222000
95	Clear 100' (2" Dia) (ASTM)	1200	185	222000
96	Clear 100' (2" Dia) (ASTM)	1200	185	222000
97	Clear 100' (2" Dia) (ASTM)	1200	185	222000
98	Clear 100' (2" Dia) (ASTM)	1200	185	222000
99	Clear 100' (2" Dia) (ASTM)	1200	185	222000
100	Clear 100' (2" Dia) (ASTM)	1200	185	222000

Declaration of Cut- off Date

Cut off date was set to:

- To prevent encroachment in the alignment,
- To prevent of developments within project sites
- To freeze the transaction of land to prevent speculation.
- Cut off date for 100m was declared to be 27th February 2011, after consultative stakeholders meeting in Lologo.

Valuation and Compensation of Losses

- Market price and Assets inventory survey already done.
- Compensation to be done Value Assessment Committee is yet to be established.

Pending Issues in RAP

- Establishment of Value Assessment Committee
- Resettlement site preparation
- Selection of site

Consultations with Affected Persons



Proposed Grievances Procedures



Shukran



5th Stakeholders Meeting 24th March 2011
**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**



Photos

Minutes for 2nd Stakeholders Meeting



Ms Patricia Ali giving her opening speech.



DG addressing the participants



Consultant presenting his findings on RAP



5th Stakeholders Meeting 24th March 2014

**PREPARATORY SURVEY ON THE PROJECT FOR
CONSTRUCTION OF NILE RIVER BRIDGE
IN SOUTHERN SUDAN**



Payam Administrator asking question.



Venue of the Stakeholder Meeting – Shalom Hotel

Appendix 12

Preparatory Design Drawings

PREPARATORY SURVEY
ON THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE
IN THE REPUBLIC OF THE SUDAN

DRAWINGS

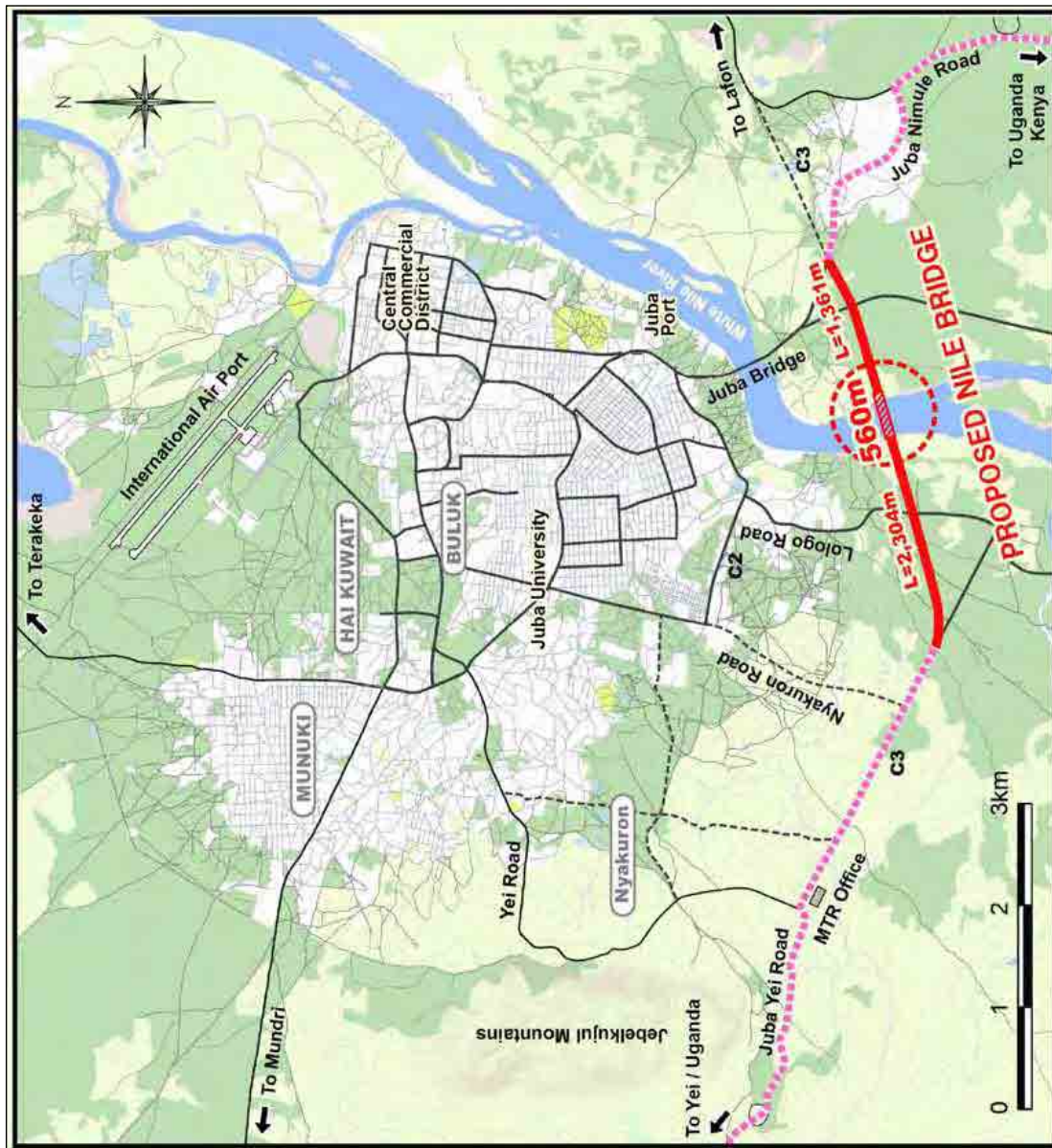
JAPAN INTERNATIONAL COOPERATION AGENCY

CTI ENGINEERING INTERNATIONAL CO., LTD

PREPARATPRY SURVEY ON THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN THE REPUBLIC OF THE SUDAN

LIST OF DRAWINGS

Item No.	Drawing Title	No. of Sheets	Drawing No.
1	LOCATION MAP	1	NB-01
2	PROJECT SITE DEVELOPMENT PLAN	1	NB-02
3	HORIZONTAL ALIGNMENT REFERENCE(1)~(3)	3	NB-03~05
4	GENERAL PLAN AND PROFILE(1)~(8)	8	NB-06~13
5	TYPICAL CROSS-SECTION OF APPROACH ROAD	1	NB-14
6	GENERAL VIEW OF THE BRIDGE	1	NB-15
7	SUPERSTRUCTURE LAYOUT AND TYPICAL SECTIONS (A1~P5)	1	NB-16
8	SUPERSTRUCTURE LAYOUT AND TYPICAL SECTIONS (P5~P9 LANGHER ARCH)	1	NB-17
9	TYPICAL DETAILS OF SUPERSTRUCTURE FOR P5~P9 (LANGHER ARCH)	1	NB-18
10	SUPERSTRUCTURE LAYOUT AND TYPICAL SECTIONS (P9~A2)	1	NB-19
11	ABUTMENT-A1 LAYOUT AND DIMENSIONS	1	NB-20
12	DIMENSION DETAILS FOR PIER-1 ~PIRE-5	5	NB-21~25
13	DIMENSION DETAILS FOR PIER-6 ~PIRE-8	3	NB-26~28
14	DIMENSION DETAILS FOR PIER-9 ~PIRE-10	2	NB-29~30
15	ABUTMENT-A2 LAYOUT AND DIMENSIONS	1	NB-31
16	DRAINAGE DETAILS OF APPROACH ROAD (1)~(7)	7	NB-32~38
17	DRAWINGS FOR CONCRETE PAVEMENT CONSTRUCTION(1)~(2)	2	NB-39~40
18	ANCILLARY STRUCTURE(1)~(2)	2	NB-41~42
19	SLOPE PROTECTION LAYOUT AND DETAILS (1)~(2)	2	NB-43~44



MINISTRY OF TRANSPORT AND ROADS GOVERNMENT OF SOUTHERN SUDAN	PRELIMINARY SURVEY FOR THE PROJECT FOR CONSTRUCTION OF NILE RIVER BRIDGE IN SOUTHERN SUDAN	JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD. EIGHT-JAPAN ENGINEERING CONSULTANTS INC.	TITLE: LOCATION MAP	SCALE	SHEET NO.
				H-1/5000	NB-01
				DATE	OCT 2011