

NARRATIVE AND FINANCIAL REPORT FOR THE INSTALLATION OF BOREHOLE WATER AT WIWA INTERNATIONAL MODEL NURSERY AND PRIMARY SCHOOL, BEBOR EXTENSION, BANE.

BACKGROUND

Wiwa International Model Nursery and Primary School, Bane, is an extension of Bebor International Model Nursery and Primary School, Bodo. Both kindergarten schools hitherto lacked portable water supply. Thus, the staff and pupils of both schools were consigned to drinking stream and well waters. The above means of water supply are vulnerable to contamination due to human activities, and from other diffuse sources within the water catchments. This had had serious health impacts on the water users, especially the highly susceptible pupils in their critical stages of development.

In May 2009, Stepping Stones Nigeria (SSN) provided the management of Bebor with a grant that was used to install borehole water at the primary section of Bebor schools at Bodo. Following the successful installation of the borehole water at the Bebor Primary School above, the management of Wiwa Schools, proposed to SSN, for funds to replicate the borehole water scheme at the Bane Schools; to guarantee, at least to some extent, 'Safe' water consumption by the staffers and pupils during the learning Session.

SSN obliged and provided Wiwa Schools with \$6,196 (after bank charges were deducted), which exchanged for ₦917,000.

This is the report of how the project was implemented. As in the case of Bebor, the borehole water installed at Wiwa Schools now serves the immediate water needs of Wiwa Schools and also those of poor community folks at no cost! The SSN funds also include operational cost for a 2-year period, after which Wiwa Schools shall borne the pumping and maintenance expenses. Below is a breakdown of how the borehole water was installed, and will be maintained.

Pre-Installation Planning:

As soon as Wiwa Schools received the grant through the domiciliary account of the Centre for Environment, Human Rights and Development, a 4-man project implementation team was constituted to plan, decide on convenient location and undertake various duties relating to the borehole installation. In addition, the same team is responsible for the day-to-day smooth running of the water scheme.

Acquisition of equipment:

The implementation committee purchased directly the water tanks and power generating set on in Port Harcourt and transported to the school site. However, for technical reason, the purchase of the submersible pump was included in the tasks contracted to the competent driller/ plumber (*see further details below*).

Installation Contract:

The fabrication and erection of the borehole tank stand was contracted to a reputable welder hired from Bodo. Also, for convenient and quality assurance reasons, supply and subsequent installation and networking of the sundry borehole items (apart from the earlier listed) were contracted to the

driller/ plumber who had installed the borehole at Bodo. It is worthwhile to note that the driller who was contracted assisted with cost-effective quotations (for items) at the proposal stage, and had his fees embedded in the quotations

Installation

The tank stand was implanted first followed by the borehole drilling, pipe networking and installation of both the school and external water outlets. Every tank has an inscribed message depicting ownership, and SSN as the borehole provider.

Post-Installation Usage and maintenance

Upon completion, and test-run, the intended beneficiaries (Staff and Pupils of Wiwa Schools, and Bane villagers) started to fetch water from the borehole on the 20th November, 2009, when Patrick Naagbanton, the Chairman of Bebor Board of Governors, commissioned informally the water scheme (*see picture attached*).

As earlier proposed, two hundred and one thousand naira (~~₦~~ 201, 000) had been set aside to facilitate routine pumping of water into the overhead tanks. As proposed, pumping of water into the storage tanks will be done thrice weekly for 2 years. The total project cost (i.e. including unforeseen activities carried out – *see cost breakdown below*) and the cost of 2-years pumping amounted to (~~₦~~ 826,800).The balance (~~₦~~ 90,200) would, therefore, be committed to intermittent servicing of the power generating set, an essential activity that was omitted during the proposal stage.

EXPENDITURE NOTES

S/no.	Description of item	Amount ₦	Remarks
A	Equipment		
	Storage Geepee tanks (two 2000L and one 1000L)	64,700	
	Parsun Generator (Model No. Ps2900DX)	40,000	
	1 HP submersible pump and accessories	45,000	
	Fabrication of tank stand	170,000	
	Sub-total	319,700	There's slight increase in the cost of iron pipe and transport fare due to fuel scarcity (an unpredictable recurrence in Nigeria) which led to a ₦ 20, 000 additional cost; over the projected fabrication cost.

B	<p>TRANSPORT COST</p> <p>Carriage of geepee tanks, generator and submersible pump from PH to the site at Bane</p> <p>Mobilised and demobilised of drilling equipment and workmen to site for 3 days @ N10,000 per day</p> <p>Sub-total</p>	<p>18,500</p> <p>30,000</p> <p>48,500</p>	
C	<p>PROJECT COST</p> <p>Set up mud engines and other accessories</p> <p>Preparation of drilling site and cleaning after borehole installation</p> <p>Drilling of borehole</p> <p>Supply and application of drilling mud, chemical and water</p> <p>Supply and installation of 20ft (6'')14 UPVC casing</p> <p>Supply and installation of 20 ft (6'') UPVC screen</p> <p>Filing the casing surrounding with suitable gravel (3/8 size), packing and cementing</p> <p>Supply and installation of wellhead</p> <p>Tangit gum and marine rope</p> <p>Hiring of compressor</p> <p>Sub-total</p>	<p>1000</p> <p>2000</p> <p>45,000</p> <p>15,000</p> <p>58,000</p> <p>4000</p> <p>2000</p> <p>12,000</p> <p>2000</p> <p>12,000</p> <p>155,000</p>	<p>This section was contracted out to the driller (<i>see explanation under installation contract above</i>).</p>
D	<p>ADDITIONAL PROJECT COST</p> <p>Fabrication and installation of pump burglary proof</p> <p>Piping of water to external outlet taps and erection of taps stand</p> <p>Inscription of acknowledgement messages on the water tanks</p> <p>Communication</p> <p>Sub-total</p>	<p>15,000</p> <p>30,000</p> <p>5000</p> <p>12,000</p> <p>62,000</p>	<p>Wiwa school is yet to be fenced, and the main challenge is how to regulate the time to fetch water by community folks. A special regulatory point was installed, midway between the tank stand</p>

			and external supply taps.
E	SUPPORT FOR SUPERVISION	40,000	
F	RUNNING COST		
	Fuelling @N2,100 per week for 2 years (96 weeks)	201,600	
	Generator maintenance (engine servicing and oiling for 2 years)	90,200	
	Sub-total	291,800	
	Grand Total	917,000	

Acknowledgement

The management, staff and pupils of Wiwa International Model Nursery and Primary Schools, Bane, Bebor Extension, are most grateful to SSN for the water aid. The village beneficiaries also send in their heartfelt appreciation for the water scheme, and also for the wider SSN child development programme, especially the huge children rehabilitation project in Akwa Ibom State, South-South Nigeria. A million thanks is also due members of the borehole implementation committee for their efforts.