

TECHNICAL REPORT 2

TECHNICAL REPORT

ON:

**THE PROPOSED RENOVATION WORK FOR ADMINISTRATIVE
BUILDING (OFFICE BLOCK) OF THE FEDERAL COLLEGE OF
FRESH WATER AND FISHERIES TECHNOLOGY, NEW - BUSSA,
NIGER STATE.**

FINANCED BY:

FEDERAL GOVERNMENT OF NIGERIA

CONSULTING QUANTITY SURVEYOR:

NAFLAT COST CONSULT

BEHIND NYIKANGBE CENTRAL MOSQUE,

NYIKANGBE AREA, OFF BIDA ROAD, MINNA, NIGER STATE.

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PREPARED BY:

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JULY, 2008

1.0 INTRODUCTION

The following is a technical report covering the consultancy services carried out in July, 2008 on behalf of my client, College of Freshwater and Fisheries Technology, New - Bussa, Niger State, who commissioned me as the consulting Quantity Surveyor to prepare the in-house cost estimate (Bills of Quantities) for the proposed renovation of the College's Administrative Building (Office Block). The services rendered covers site investigation with other professionals in order to ascertain the level of dilapidation which was used to prepare the schedule of dilapidations used for the preparation of the Bills of Quantities for the work.

The Administrative Building comprises of offices, board meeting rooms, seminar rooms, stores and toilets. The major works covered in the Bills of Quantities are paintings, plastering, roofing, fittings and fixtures and general demolition and alteration works. Other aspects of the report include appraisal of the project estimate, construction methodology, and quality assessment.

Included in the Appendix is the Bills of Quantities prepared for the project.

2.0 VERIFICATION/APPRaisal OF THE PROJECT ESTIMATE

A comprehensive and detailed market survey was carried out and adequate preparation was made to take care of any major change or inflation which may occur for the period of 24 weeks.

3.0 CONSTRUCTION METHODOLOGY ASSESSMENT

The method of construction suggested by the consulting team is the in-situ construction method for 90% of the construction process during the execution of the project. A combination of equipment and manual labour was also proposed to be used in carrying out the site operations. With this approach, an acceptable standard of workmanship and quality of materials should be achieved.

4.0 QUALITY MANAGEMENT ASSESSMENT

In response to the instruction from the consulting team, an engineering laboratory test was conducted by the concrete mix 1:3:6 and concrete 1:2:4 as well as hollow sandcrete block were suggested for the project, where applicable.

In addition to the above, the use of hardwood timber, solignum anti-termite chemicals, 12mm quarry granite, river sharp sand, Dangote grey Portland cement, concrete mixing machines, generators, water pumping machines and borehole water coupled with trained workmen were suggested for the work by the consulting team. Thus, an acceptable quality of works was assured.

5.0 PROGRAMME OF WORKS

A comprehensive and detailed work programme was also prepared by the consulting team to cover the period of twenty-four weeks. The preliminaries and site set up were estimated to take two weeks, the renovation/construction works were scheduled to cover eighteen weeks and the handing over was scheduled to cover four weeks.

6.0 CONCLUSION

In conclusion the total scope of work was estimated to cover the sum of Two Million, One Hundred and Ninety-Three Thousand, Seven Hundred and Sixty-Five Naira (=N= 2,193,765.00) only, as shown in the appendix section.

7.0 APPENDIX

The appendix shows the detailed in-house estimate (Bills of Quantities) for the project prepared by me as the consulting Quantity Surveyor.

S/N	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	SUMMARY				
	ALTERATION AND DEMOLITION				67,800.00
	BLOCK WALL				30,600.00
	CONCRETE WORK				190,600.00
	ROOF				190,000.00
	DOORS AND WINDOWS				74,800.00
	PAINTING AND DECORATING				624,500.00
	FINISHINGS				811,000.00
	BUILDER'S WORK TOTAL				1,989,300.00
	PRELIMINARIES				100,000.00
	ADD				
	CONTINGENCY				2,089,300.00
	<u>SUBTOTAL</u>				
	ADD				
	VAT 5%				104,465.00
	CONTRACT SUM				2,193,765.00

NAFLAT COST CONSULT
SIGN: *[Signature]*
DATE: 07/27/08

