

**FEDERAL UNIVERSITY OF TECHNOLOGY,
MINNA**

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FILE NUMBER: PF 00963

DEPARTMENT: Quantity Surveying

SCHOOL: Environmental Technology

TECHNICAL REPORT 1&2

TECHNICAL TRPORT 1

TECHNICAL REPORT

ON:

**THE PROPOSED AL-ADABY ARABIC/ISLAMIC CULTURAL INSTITUTE
PERMANENT SITE SCHOOL BUILDING LOCATED AT ADELEKE ROAD,
APERUN TOWN, IJAGBO, KWARA STATE.**

TO BE FINANCED BY:

THE GOVERNMENT OF THE KINGDOM OF SAUDI ARABIA

PROPOSED DEVELOPER:

SHEILDS PROJECTS CONSTRUCTION LIMITED
ATAN OBA AREA,
OFFA, KWARA STATE.

CONSULTANT:

NAFLAT COST CONSULT,
SW 249, YORUBA RD., MINNA
NIGER STATE.

AND

NO. 42 OLUSAN STREET,
OFFA, KWARA STATE.

08054871781, 08034767554,
08050602813

PREPARED BY:

SHITTU, ABDULLATEEF ADEWALE (MNIQS)

MAY, 2006

1.0 INTRODUCTION

The following is a technical report covering the consultancy services carried out in May, 2006 on behalf my client, Ustaz Mohammed Badmos, the Proprietor of Al – Adaby Arabic/Islamic Cultural Institute, Ijagbo, Kwara State, who commissioned me as the consulting Quantity Surveyor to prepare the cost estimate for the proposed school project. The Services rendered covers site investigation with other professionals in order to blend the client's brief with what is practicable on site. The site visit gave birth to the initial sketch design which was used in preparing the project cost estimate which included schedule of materials and labour. The design was prepared by the Architect while the project estimate was prepared by me as the consulting quantity surveyor. The estimate was prepared for processing the fund to finance the project from the Government of the Kingdom of Saudi Arabia.

The proposed project covers four blocks of class room buildings, two blocks of hostel buildings for boys and a block of hostel buildings for girls, administrative block which comprises of staff rooms and offices, assembly and dining halls, mosque building, two blocks of staff quarters, parking area, sporting field, fencing & gate and other general external works. Other aspects of the report include appraisal of the project estimate, construction methodology, and quality assessment.

Included in the Appendix are the building sketches and Project estimates.

2.0 VERIFICATION / APPRAISAL OF THE PROJECT ESTIMATE

A comprehensive 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 months.

3.0 CONSTRUCTION METHODOLOGY ASSESMENT

The method of construction suggested by the consultants is the use of in-situ construction method for 85% 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 Consultants, an engineering laboratory test was conducted by the concrete mix of 1:3:6 and concrete 1:2:4 as well as hollow sandcrete block were suggested for the project work.

Furthermore, 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. Thus, an acceptable quality of works was assured.

5.0 PROGRAMME OF WORKS

A comprehensive proposed work programme was also prepared by the consultants to cover the period of eighteen months. The preliminaries and site set up were estimated to take one month, the construction of the buildings were scheduled to cover eleven months and the external work including handing over was scheduled for six months.

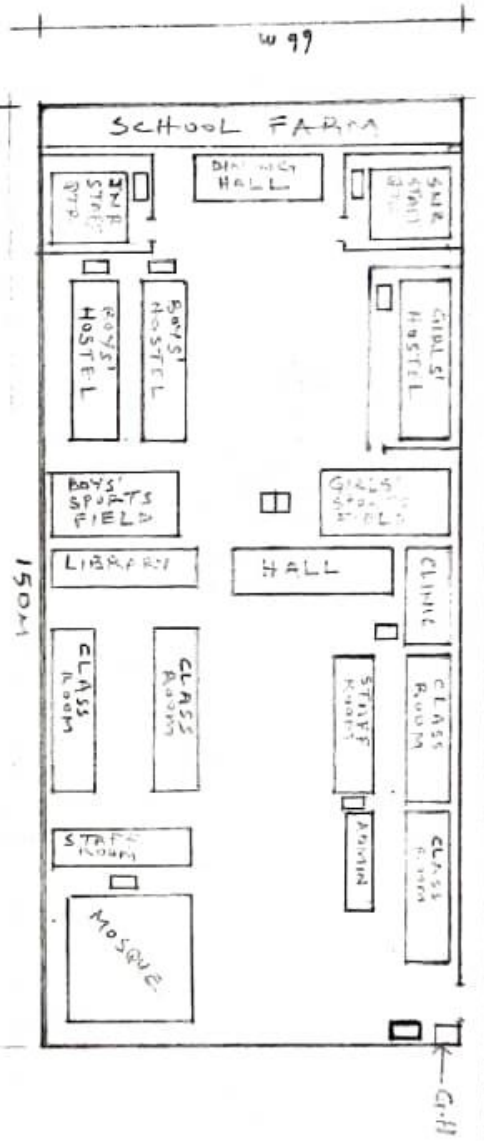
6.0 CONCLUSION

In conclusion the total scope of works was estimated to cover the sum of **₦90,682,313: 00** which was equivalent to **\$625, 395: 00 USD** in the project cost estimate in the appendix section.

7.0 APPENDI X.

The appendix shows the project sketch design and extract from the project cost estimate prepared by me as the consulting Quantity Surveyor.

2 → ROAD TO IGBAWERE/ADELEVE → 2



SYMBOL	MEANING
□	PIT TOILET
□	SOAK-AWAY PIT
□	GATE HOUSE

BUILDING/SITE LAY - OUT

SCALE 1 : 10

GENERAL SUMMARY

(1) SUB - SUMMARY ONE (PAGE 10)	N1,209,219.00	\$ 8,337.44
(2) SUB - SUMMARY TWO (PAGE 21)	N8,140,638.00	\$ 56,142.33
(3) SUB - SUMMARY THREE (PAGE 33)	N3,519,637.00	\$ 24,273.34
(4) SUB - SUMMARY FOUR (PAGE 45)	N1,775,309.20	\$ 12,243.89
(5) SUB - SUMMARY FIVE (PAGE 55)	N1,527,867.75	\$ 10,537.03
(6) SUB - SUMMARY SIX (PAGE 66)	N2,284,315.00	\$ 15,753.89
(7) SUB - SUMMARY SEVEN(77)	N2,211,715.00	\$ 15,253.21
(8) SUB - SUMMARY EIGHT (PAGE 89)	N7,072,106.15	\$ 48,773.15
(9) SUB - SUMMARY NINE (PAGE 104)	N9,368,925.50	\$ 64,613.28
(10) SUB - SUMMARY TEN (PAGE 116)	N4,701,481.00	\$ 32,423.55
(11) SUB - SUMMARY ELEVEN (PAGE 125)	N295,801.00	\$ 2,040.01
(12) SUB - SUMMARY TWELVE (PAGE 128)	N1,106,176.50	\$ 7,628.80
(13) SUB - SUMMARY THIRTEEN (PAGE 138) ...	N1,830,609.00	\$ 12,624.89
(14) SUB - SUMMARY FOURTEEN (PAGE 148) ..	N327,275.85	\$ 2,257.08
(15) SUB - SUMMARY FIFTEEN (PAGE 152)	N5,335,086.00	\$ 36,931.63
(16) SUB - SUMMARY SIXTEEN (PAGE 154)	N24,037,970.00	\$ 165,779.10

ADD 10% FOR PRELIMINARIES
ADD 10% FOR CONTINGENCIES

N74,944,061.00	\$ 516,856.00
N7,494,406.00	\$ 51,686.00
N8,243,846.00	\$ 56,854.00

TOTAL COST OF PROJECT

N90,682,373.00 \$625,395.00

AMOUNT IN WORDS Ninety million, six-hundred and eighty-two thousand, three-hundred and thirteen Naira ₦
Six hundred and twenty-five thousand, three hundred and ninety-five Dollars \$