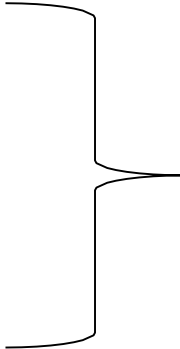


PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131 KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM

ITEM	DESCRIPTION		AMOUNT
GENERAL SUMMARY			
A	BILL NR 1 - PRELIMINARIES AND GENERAL CONDITIONS OF CONTRACT		11,000,000.00
B	BILL NR 2 - MEASURED WORKS		568,876,713.00
C	BILL NR 3 - PRIME COST AND PROVISIONAL SUM i) ELECTRICITY ii) PLUMBING SYSTEM (Piping installation only)		4,000,000.00 4,000,000.00
SUB TOTAL 1 (WITHOUT VAT)		TSH	587,876,713.00
INSURANCE CLAUSES			
D	Clause 19(1)a Contractor to maintain insurance against injury to persons under Clause 19(1)a of the Conditions of Contract	} 	
E	Clause 19(1)b The Contractor to maintain insurance against injury to property as Clause 19(1)b of the Conditions of Contract		
F	Clause 20(A)1 The Contractor to maintain insurance of the works as Clause 20 (A)1 of the Condition of Contract		
G	BOND Clause 31 Contractor to secure a Surety Bond for value of 10% of the Contract Sum as per Clause 31 of the Condition of Contract		
SUB TOTAL 2 (WITHOUT VAT)		TSH	587,876,713.00
H	ADD 18% VAT		105,817,808.34
GRAND TOTAL AMOUNT			693,694,521.34

PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131
KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM

SUMMARY OF BILL NR. 2

ITEM	DESCRIPTION	PAGE No.	AMOUNT
A	ELEMENT 1- SUBSTRUCTURE	2/1/3	124,657,190.00
B	ELEMENT 2- FRAMES	2/2/3	312,492,260.00
C	ELEMENT 3- STAIRS	2/3/1	16,589,248.00
D	ELEMENT 4- WALLS	2/4/1	37,090,400.00
E	ELEMENT 5- DOORS	2/5/2	19,217,200.00
F	ELEMENT 6- WINDOWS	2/6/1	29,292,400.00
H	ELEMENT 7- FINISHINGS	2/7/2	29,538,015.00
BILL NR.2 CARRIED TO GENERAL SUMMARY		TSHS	568,876,713.00

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131
KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM**

ITEM	DESCRIPTION	AMOUNT (in TSH)
A	<p>Definition of Abbreviations</p> <p>Abbreviations have been used in the Bills of Quantities for the Units of measurement and the Contractor should take due notice of the under-</p> <p>MM - Millimetre CM - Cubic metre SM - Square metre M - Linear metre NR - Number KG - Kilogramme PRS or Prs - Pairs</p> <p>B Definition of Terms</p> <p>The following terms wherever they occur shall be interpreted as hereunder:</p> <p>The term "Employer" and/or "Client" shall be held to mean:</p> <p>Namne: Address:</p> <p>The term "Architect", "Engineer", "Structural Engineer", "Consulting Engineer" and "Quantity Surveyor" shall be held to mean:</p> <p><u>ARCHITECT:</u></p> <p>A.V Consult LTD P.O.BOX 3062 MWANZA who is also referred to as " Project Manager".</p> <p><u>STRUCTURAL ENGINEER:</u></p> <p>Namne: Address:</p> <p><u>QUANTITY SURVEYOR:</u></p> <p>Namne: Address:</p> <p>Wherever the term "as described" or "as before described" occurs this shall mean the work has been specified fully in the Technical Specifications</p> <p>The term "approved", "directed", "selected" shall mean the approval, direction, selection of the Project Manager</p> <p>Wherever the term "fix" occurs this shall mean the fixing only of materials or goods provided by a Nominated Supplier or the Employer.</p> <p>Wherever the term "fix only" occurs this shall mean the fixing of materials taken in another section of the Bills of Quantities as "provide only".</p>	
	To Collection	

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131
KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM**

ITEM	DESCRIPTION	AMOUNT (in TSH)
<p>A</p>	<p>Description of the site</p> <p>The site is located at Plot No. Kipawa, Dar es Salaam</p> <p>The Contractor shall be deemed to have visited the sites and satisfied himself as to:</p> <ul style="list-style-type: none"> i. The nature of the sites ii. The amount of bush, rubbish or debris to be cleared away before commencement of the work iii. The nature, proximity and size of any adjoining buildings and property iv. The nature of the existing communications by road or other means structures, plant and materials necessary for execution of the works vi. The sources, availability and location of the existing water and electricity services. The Contractor should note that there are certain sites which have no electricity power and/or reliable water supply sources in the vicinity of the site vii. The sources, availability of labour, plant and materials for the completion of the works. <p>B Description of the Works</p> <p>The works involve:-The construction involving Commercial and office building consisting of reinforced concrete structure, Nine storeys plus terras about 4926SM including finishings and all service works</p> <p>C Contiguous properties</p> <p>The Contractor shall make every effort to avoid and in event shall be liable for any undue disturbance amounting to nuisance to the occupiers of the contiguous properties by reasons of noise, dust, traffic and the like, or by neglect to control his workmen or materials.</p> <p>D Preliminary investigation</p> <p>The Contractor shall be deemed to have visited and inspected the site, boreholes if any, surroundings etc, prior to tendering.</p>	
	To Collection	

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131
KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM**

ITEM	DESCRIPTION	AMOUNT (in TSH)
<p>A</p>	<p>Materials excavated from the site</p> <p>All sand, ballast and other building materials and any other objects found on the site or produced as result of the building operations shall remain the property of the Employer. Such materials may be utilized in the execution of the Contract only with written consent of the Project Manager. The quantity so used shall be measured and the value assessed by the Quantity Surveyor and deducted from the Contract Sum. The Contractor is strictly prohibited under any circumstances from excavating to obtain sand or gravel. No trees, shrubs and the like other than those within the confines of the building may be cut down, damaged or removed without the written consent of the Project</p>	
<p>B</p>	<p>Ownership of Demolished or recovered materials</p> <p>All materials to be dismantled shall not be re-used in the new work but shall be stacked by the Contractor in the compound where directed for assessment and disposal by the Project Manager. If any of such materials found useful shall be the property of the Employer. Any material to be disposed shall be promptly disposed by the Contractor at no additional cost.</p>	
<p>C</p>	<p>Existing services</p> <p>The Contractor shall be responsible for repairing of any existing services so damaged and shall ensure the safety of all people working in their vicinity.</p>	
	<p>GENERAL MATTERS</p>	
<p>D</p>	<p>Progress schedule</p> <p>The Contractor shall allow for the preparation of the progress schedule for the works and update program at intervals no longer than the period stated in the Contract Data in accordance with clause 27 of the conditions of contract.</p>	
<p>E</p>	<p>Records</p> <p>The Contractor shall allow for keeping all records appertaining to the works and shall keep on the site a daily diary recording weather condition, temperature, visitors to the site, etc.</p> <p>The Contractor is to supply to the Project Manager such information as he may require in connection with the work, including a statement showing the number of men employed in all trades daily, and the delivery notes (stating the name of the project) for all materials delivered to the site.</p>	
	<p align="right">To Collection</p>	<p align="center">-</p>

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131
KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM**

ITEM	DESCRIPTION	AMOUNT (in TSH)
<p align="center">A</p>	<p>Rates of wages, Hours and Conditions of labour</p> <p>The Contractor shall pay rates of wages and observe hours and conditions of labour not less favourable than those laid down in the regulations of wages and Conditions of Employment Act for Building Construction industry issued by the Government of Tanzania.</p> <p>The Contractor shall be deemed to have provided in his tender for all proper emoluments and expenses of labour current in the district at the date of submission of tender.</p> <p>No workmen with the exception of a watchman may be housed on the site.</p>	
	<p>B Inspection by the Project Manager</p> <p>No work shall be covered up until it is inspected and approved by the Project Manager. The Project Manager may at any time up to the end of the Defect Liability Period instruct the Contractor to open up, pull down, test or expose any part of the works in order to satisfy himself as to the quality of the materials or workmanship used. If in the Project Manager's opinion such parts are not in strict accordance with the Contract Documents he may order the Contractor to remove all defective work, replace with approved materials and reinstate any such part of the works and any other work disturbed at his own expense and to the entire satisfaction of the Project Manager. If any such part of the works are found to be in accordance with the Contract Documents the Contractor will be reimbursed the net cost of his expense in this connection.</p>	
	<p>C Nominated Suppliers</p> <p>The Contractor shall allow for checking nominated supplier's invoices and quotation before placing orders and will be held solely responsible for ensuring that all materials so ordered are correct in quality and contain due allowance for waste, etc.</p> <p>The Contractor shall allow for checking at time of receipt, all Nominated Supplier's materials and taking necessary action for the re-ordering of any broken or damaged item.</p>	
	<p>D Disturbance or Nuisance</p> <p>The Contractor shall allow for taking all necessary precaution in the cause of execution of the works as to avoid causing disturbance or nuisance to the occupants of the existing building and those adjacent to the works and complying with the Project Manager's instructions in this respect.</p>	
	To Collection	-

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131
KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM**

ITEM	DESCRIPTION	AMOUNT (in TSH)
<p>A</p>	<p>Trespass, Damage and Care of Works</p> <p>The Contractor shall prevent any trespass on the adjoining property, and he shall take reasonable precautions during the progress of the Contract to prevent any damage to the adjoining property or public or private roadways and to prevent material, plant, rubbish, debris, etc collection on the adjoining property of roadways.</p> <p>Should the Contractor wish to erect scaffolding or to make use of adjoining property, he shall obtain prior permission from the Project Manager and clear away at completion to his satisfaction. Except as provided for in the conditions of contract, the Contractor shall be held responsible for the care of the works executed and material deposited on the site by himself or sub-contractor or suppliers together with all risks arising from weather, carelessness of operatives, damages or loss by theft or by any other cause; he shall make good all such damage or loss at his own expense.</p> <p>The Contractor will be responsible for protection of adjoining buildings, boundary walls, fences, services either overhead or underground and for the making good of or paying for all damage thereto should such be caused in the course of building operations.</p> <p>The Contractor shall be required to take all reasonable care during alterations as not to damage the existing structure.</p> <p>The Contractor shall allow for making good all damage to the road, kerbs, surface water channels etc accasioned by heavy traffic, delivery of materials and building operations generally, to the entire satisfaction of the Project Manager, and shall be responsible for observing any bylaw or authority regarding keeping the road free from mud, filth, etc arising out of the</p> <p>The Contractor shall at all times observe any police regulations including those regarding the loading or unloading of or waiting by vehicles on the public highway and the contract sum shall be deemed to include for strict compliance therewith.</p>	
	<p>B Protection from weather</p> <p>The Contractor shall allow for covering up and protecting all new work from injury by weather or any other cause. Any damage, loss or expense caused by non-compliance with this clause shall be at the sole risk of the Contractor.</p>	
	<p>C Transportation</p> <p>The contractor shall all for covering up during procuring to the site</p>	
	To Collection	-

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131
KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM**

ITEM	DESCRIPTION	AMOUNT (in TSH)
<p>A</p>	<p>Tools, Plant and Scaffolding The Contractor shall provide all necessary cranes, hoist, concrete mixers and other plant including ladders, staging access gangways, tackle, tarpaulins, tools, moulds, templates and other requisite necessary for the proper execution of the work. Allow for removing and reinstating, adapting from time to time as may be necessary and maintaining all plant and equipment during the course of the contract. The Contractor shall allow for providing, adapting from time to time as may be necessary and maintaining all scaffolding, scaffold boards and temporary staging etc necessary for the execution of the Works.</p> <p>The Contractor is to provide everything necessary for proper execution of the works according to the true intent and meaning of the Drawings or described in the Bills of Quantities provided that the same is reasonably to be inferred therefrom.</p>	
<p>B</p>	<p>Site Accommodation</p> <p>The Contractor shall provide and maintain any necessary temporary office accommodation required by himself and his subcontractors suitably equipped with desks, chairs, drawing boards and electric lighting where possible.</p> <p>The Contractor shall provide and maintain for his workers toilet facilities, tables, benches and cooking facilities all to the reasonable satisfaction of the washing and drinking water, first aid equipment and shelters equipped with workers and approved by the Project Manager and the Health Authorities.</p> <p>The Contractor shall provide and maintain any temporary storage shed or building which in his opinion are necessary for execution of the works.</p> <p>The Contractor shall provide a temporary office of approved design for the sole use of the Project Manager with minimum internal size of 25 square metres lined with softboard or other approved materials and suitably equipped with tables, chairs and the supply and payment for electric lighting if any.</p>	
<p>C</p>	<p>Telephone</p> <p>Allow for the installation, paying all bills and later removal of a telephone for the sole use of the Project Manager at site where services are available.</p>	
	To Collection	-

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131
KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM**

ITEM	DESCRIPTION	AMOUNT (in TSH)
A	<p>Water for the Works</p> <p>The Contractor shall allow for all necessary clean fresh water for the works, including that required by subcontractors and for any temporary plumbing meters and storage facilities and pay all charges in connection therewith and clear away on completion and make good works disturbed.</p>	
B	<p>Lighting and Power for the Works</p> <p>The Contractor shall allow for providing and maintaining a temporary electricity supply for the works including that required by the subcontractors and for any meters and fittings to give artificial lighting and power necessary for the execution of the works and pay all charges in connection therewith and clean away on completion and make good all works disturbed.</p>	
C	<p>Watching and Lighting</p> <p>The Contractor shall allow for providing and maintaining any barrier, hoarding, watching and lighting which must comply with the bylaw or requirements of the Local Authority and Police Regulation and the Contractor must give all requisite notices to these authorities and provide everything necessary to protect the general public, workmen, plant, materials and the whole of the works from injury or damage.</p>	
D	<p>Signboard</p> <p>The Contractor shall provide and erect a signboard for each site showing the title of the contract, the name and address of the Employer, Project Financier, Project Manager, Nominated Subcontractors and Suppliers and such information as may be required by the Project Manager including procurement of AQRB and ERB Stickers who shall provide the design layout and colours of the board. The whole board shall be maintained in good condition, repainted when necessary and removed when no longer required.</p>	10,000,000.00
E	<p>Protection</p> <p>The Contractor is required to protect the works in all sections until practical completion.</p>	
F	<p>Removing rubbish and cleaning</p> <p>The Contractor shall remove all rubbish and superfluous materials from the site of the works with all reasonable speed from time to time and at</p>	1,000,000.00
	To Collection	11,000,000.00

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131
KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM**

ITEM	DESCRIPTION	AMOUNT (in TSH)
<p>A</p>	<p>The Contractor shall also properly clean floors, woodwork, steps, pavings, roads, hard standings, glass (inside and out), cisterns, flushing cisterns, and all finishings, and leave the whole of the works in a sound and perfect condition free from all defects whatsoever, and to the satisfaction of the Project Manager.</p> <p>Provisional work</p> <p>All work described as "Provisional" in this bill of quantities is subject to remeasurement in order to ascertain the actual quantity executed for which payment will be made</p> <p>All "Provisional" and other work liable to adjustment under this contract shall be left uncovered for a reasonable time to allow measurements needed for such left uncovered for a reasonable time to allow measurements needed for such adjustment to be taken by the Project Manager. Immediately the work is ready for measuring the Contractor shall give notice to the Project Manager.</p> <p>B</p> <p>Safety, Health and Environmental Protection</p> <p>The Contractor will be responsible for all safety of the third parties. The Contractor shall provide Safety and Health Plan, Enviromental Protection Plan and Risk Management Plan to the Project Manager to satisfy that he has taken all measures to protect the third parties in health and safety matters</p>	
	To Collection	-
	<p>COLLECTION</p> <p>Page Nr. 1/1</p> <p>Page Nr. 1/2</p> <p>Page Nr. 1/3</p> <p>Page Nr. 1/4</p> <p>Page Nr. 1/5</p> <p>Page Nr. 1/6</p> <p>Page Nr. 1/7</p> <p>Page Nr. 1/8</p> <p>Page Nr. 1/9</p>	<p style="text-align: center;">-</p> <p style="text-align: center;">-</p> <p style="text-align: center;">-</p> <p style="text-align: center;">-</p> <p style="text-align: center;">-</p> <p style="text-align: center;">-</p> <p style="text-align: center;">-</p> <p style="text-align: center;">-</p> <p style="text-align: center;">-</p> <p style="text-align: center;">11,000,000.00</p> <p style="text-align: center;">-</p>
	BILL NR 1: PRELIMINARIES CARRIED TO GENERAL SUMMARY	11,000,000.00

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT
NO. 131 KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM**

ITEM	DESCRIPTION	QNTTY	UNIT	RATE	AMOUNT
	ELEMENT NR 1 : SUBSTRUCTURE (ALL PROVISIONAL)				
	SITE PREPARATION				
	Excavation and earth work				
A	Remove vegetable soil average 150mm thick	736.00	m ²	1,000.00	736,000.00
					-
B	Excavate pit from stripped level depth not exceeding 1.5m deep	510.38	m ³	6,000.00	3,062,280.00
					-
C	Excavate trench to receive foundation commencing at stripped level, not exceeding 1.5metres deep	70.00	m ³	6,000.00	420,000.00
					-
D	Extra over excavation for rocks and the like	12.00	m ³	25,000.00	300,000.00
					-
E	Selected eath backfilling from excavated material arround foundation	485.78	m ³	3,500.00	1,700,230.00
					-
F	Selected export earth backfilling well rammed and consolidated to make up levels under floor 220 mm average thick	161.92	m ³	40,000.00	6,476,800.00
					-
G	Disposal of excavated material away from site	106.60	m ³	15,000.00	1,599,000.00
					-
	Disposal of Water				
H	Allow for keeping excavations free from water (except spring or running water) by pumping, baling or by other means necessary	1.00	Item	1,000,000.00	1,000,000.00
					-
	Planking and Strutting				
J	Allow for the provision and subsequent removal of planking and strutting to uphold and maintain all faces of excavations	1.00	Item	1,000,000.00	1,000,000.00
					-
	Sand blinding				
K	50 mm thick sand blinding	736.00	m ²	2,000.00	1,472,000.00
					-
	Hardcore				
L	150mm Bed levelled and blinded	736.00	m ²	10,000.00	7,360,000.00
					-
	Soil Sterilization				
M	Aldrin 0.50% solution applied at a rate of 7 litres per square metre to hardcore beds	736.00	m ²	3,000.00	2,208,000.00
					-
N	Ditto at a rate of 8 liters per linear metres 300mm width x 1200mm deep backfilling to one side of wall foundations	110.00	m	2,500.00	275,000.00
					-
					-
	To Collection			TSH	27,609,310.00

PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131 KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM

ITEM	DESCRIPTION	QNTTY	UNIT	RATE	AMOUNT
	CONCRETE WORK				
	Plain concrete Grade '15'				
	50 mm thick Blindng				
A	Pit	329.20	m ²	10,000.00	3,292,000.00
					-
B	Foundation trenches, generally	86.00	m ²	10,000.00	860,000.00
					-
	Reinforced concrete grade '25' including vibration around reinforcement				-
					-
C	Footing	85.00	m ³	280,000.00	23,800,000.00
					-
D	Collumn stater	7.00	m ³	280,000.00	1,960,000.00
					-
	Reinforced concrete grade '20' including vibration around reinforcement				-
					-
E	Plinth beam	8.50	m ³	270,000.00	2,295,000.00
					-
F	100 mm thick Concrete bed	750.00	m ²	27,000.00	20,250,000.00
					-
G	Strip footing/foundation	24.00	m ³	270,000.00	6,480,000.00
					-
	Reinforcement				-
					-
	High yield steel square twisted bar reinforcement to BS 4461:1969				-
					-
	Footing				-
H	16mm Diameter	3,439.00	Kg	2,500.00	8,597,500.00
					-
	Columns stater				-
J	16mm Diameter	1,531.00	Kg	2,500.00	3,827,500.00
					-
K	8mm Diameter	295.00	Kg	2,500.00	737,500.00
					-
	Plinth beam				-
L	16mm Diameter	875.00	Kg	2,500.00	2,187,500.00
					-
M	8mm Diameter	356.00	Kg	2,500.00	890,000.00
					-
	Floor slab/ Concrete bed				-
N	8mm diameter	3,255.00	kg	2,500.00	8,137,500.00
					-
	Sawn formwork to:				-
					-
P	Footing	147.84	m ²	22,000.00	3,252,480.00
					-
Q	Columns stater	75.00	m ²	22,000.00	1,650,000.00
					-
R	Plinth beam	51.20	m ²	22,000.00	1,126,400.00
					-
S	Vertical sides of bed 75mm but not exceeding 150mm high	110.00	m	5,500.00	605,000.00
					-
					-
	To Collection 2			TSH	89,948,380.00

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK
ON PLOT NO. 131 KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES
SALAAAM**

ITEM	DESCRIPTION	QNTTY	UNIT	RATE	AMOUNT
	ELEMENT NR 2: FRAME				
	CONCRETE WORK				
	Reinforced concrete grade '25' including vibrating around reinforcement				
A	Columns	30.00	m ³	280,000.00	8,400,000.00
					-
B	Top roof collumn	6.00	m ³	280,000.00	1,680,000.00
					-
	Reinforced concrete grade '20' including vibrating around reinforcement				
					-
					-
C	Beam	28.00	m ³	270,000.00	7,560,000.00
					-
D	150mm thick slab	750.00	m ²	40,500.00	30,375,000.00
					-
E	Roof beam	28.00	m ³	270,000.00	7,560,000.00
					-
F	150mm thick roof slab	750.00	m ²	40,500.00	30,375,000.00
					-
	Top roof				
					-
G	Top roof beam	3.00	m ³	270,000.00	810,000.00
					-
H	150 mm thick Top roof slab	80.00	m ²	40,500.00	3,240,000.00
					-
	Roof capping				-
J	300 mm x 150 mm high of roof capping comprise of whether throat with BRC mesh casted	5.00	m ³	270,000.00	1,350,000.00
					-
	High yield steel square twisted bar reinforcement to BS 4461:1969				
					-
					-
	Column				-
K	16 mm Diameter	4,000.00	Kg	2,500.00	10,000,000.00
					-
L	8 mm Diameter	760.00	Kg	2,500.00	1,900,000.00
					-
	Beam				-
M	20 mm Diameter	6,040.00	Kg	2,500.00	15,100,000.00
					-
N	16 mm Diameter	2,638.00	Kg	2,500.00	6,595,000.00
					-
P	8mm Ditto	1,378.00	Kg	2,500.00	3,445,000.00
					-
	Slab				-
Q	12 mm Diameter	14,000.00	Kg	2,500.00	35,000,000.00
					-
	Roof Beam				-
R	20 mm Diameter	6,040.00	Kg	2,500.00	15,100,000.00
					-
	Collection 1				178,490,000.00

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK
ON PLOT NO. 131 KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES
SALAAAM**

ITEM	DESCRIPTION	QNTTY	UNIT	RATE	AMOUNT
A	16 mm Diameter	2,638.00	Kg	2,500.00	6,595,000.00
B	8mm Ditto	1,378.00	Kg	2,500.00	3,445,000.00
	Roof Slab				-
C	12 mm Diameter	14,000.00	Kg	2,500.00	35,000,000.00
	Top roof collumn				-
D	16 mm Diameter	368.00	Kg	2,500.00	920,000.00
	8mm Ditto				-
E	8mm Ditto	120.00	Kg	2,500.00	300,000.00
	Top roof beam				-
F	20 mm Diameter	372.00	Kg	2,500.00	930,000.00
	16 mm Diameter				-
G	16 mm Diameter	368.00	Kg	2,500.00	920,000.00
	8mm Ditto				-
H	8mm Ditto	144.00	Kg	2,500.00	360,000.00
	Top roof slab				-
J	Top roof slab	1,706.00	Kg	2,500.00	4,265,000.00
	BRC				-
K	Square mesh fabric ref. A142 weighing 0.92Kg per square metres for bottom slab	35.00	m ²	12,500.00	437,500.00
	Sawn Formwork to:				-
L	Columns	311.64	m ²	22,000.00	6,856,080.00
	Beams				-
M	Side	240.00	m ²	22,000.00	5,280,000.00
	Soffit				-
N	Soffit	80.00	m ²	22,000.00	1,760,000.00
	Slab (General)				-
P	Soffit	750.00	m ²	22,000.00	16,500,000.00
	Roof Beams				-
Q	Side	240.00	m ²	22,000.00	5,280,000.00
	Soffit				-
R	Soffit	80.00	m ²	22,000.00	1,760,000.00
	Roof Slab (General)				-
S	Soffit	750.00	m ²	22,000.00	16,500,000.00
	Top roof column				-
T	Side	65.00	m ²	22,000.00	1,430,000.00
	Top roof beam				-
U	Side	25.00	m ²	22,000.00	550,000.00
	Soffit				-
W	Soffit	8.00	m ²	22,000.00	176,000.00
	Top roof slab				-
X	Top roof slab	80.00	m ²	22,000.00	1,760,000.00
	Collection 2				111,024,580.00

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK
ON PLOT NO. 131 KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES
SALAAAM**

ITEM	DESCRIPTION	QNTTY	UNIT	RATE	AMOUNT
A	Roof capping Side and soffit	30.00	m ²	22,000.00	660,000.00
	Sundry				-
	Water proofing				-
B	Water proofing material apply on the roof surface	797.06	m ²	28,000.00	22,317,680.00
					-
					-
	Collection 3				22,977,680.00
	COLLECTION				
	COLLECTION 1				178,490,000.00
	COLLECTION 2				111,024,580.00
	COLLECTION 3				22,977,680.00
					-
					-
	ELEMENT NR.2 FRAME CARRIED TO SUMMARY OF BILL NR. 2			TSH	312,492,260.00

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON
PLOT NO. 131 KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAM**

ITEM	DESCRIPTION	QNTTY	UNIT	RATE	AMOUNT
	ELEMENT NR. 3: STAIRS				
	CONCRETE WORK:				
	Reinforced concrete grade '20' including vibrating around reinforcement				
A	Plinth	1.00	m ³	270,000.00	270,000.00
					-
B	Stairs	7.50	m ³	270,000.00	2,025,000.00
					-
C	Horizontal beams/stair beam	3.00	m ³	270,000.00	810,000.00
					-
D	150 mm Thick landing	16.00	m ²	40,500.00	648,000.00
					-
	High yield steel square twisted bar reinforcement to BS 4461:1969				-
					-
	Plinth				-
E	16mm Diameter	45.00	Kg	2,500.00	112,500.00
					-
F	8mm Diameter	25.00	Kg	2,500.00	62,500.00
					-
	Stair beam				-
G	16mm Diameter	212.00	Kg	2,500.00	530,000.00
					-
H	8mm Diameter	126.00	Kg	2,500.00	315,000.00
					-
	Stair				-
J	12 mm Diameter	767.00	Kg	2,500.00	1,917,500.00
					-
	Landing				-
K	12 mm Diameter	383.00	Kg	2,500.00	957,500.00
					-
	Sawn Formwork to:				-
					-
	Plinth and stair beam				-
L	Side and soffit	25.00	m ²	22,000.00	550,000.00
					-
	Stair				-
M	180 mm rising	100.80	m	3,960.00	399,168.00
					-
N	Horizontal soffits of suspended landing	16.00	m ²	22,000.00	352,000.00
					-
P	Sloping soffits of sloping stairs	35.84	m ²	22,000.00	788,480.00
					-
Q	Vertical risers over 150mm but not exceeding 225 mm high	60.00	m	5,610.00	336,600.00
					-
R	Edge slab side from 75 mm bt ne 150 mm high	5.00	m	7,000.00	35,000.00
					-
	Balustrade				-
S	900mm high decorative balustrade of MS steel as per Architectural Drawings	36.00	m	180,000.00	6,480,000.00
					-
	ELEMENT NR. 3 STAIRS CARRIED TO SUMMARY OF BILL NR. 2			TSH	16,589,248.00

**PROPOSED PRODUCTION PLANT EXTENSION, WAREHOUSE AND OFFICE BLOCK ON PLOT NO. 131
KIPAWA INDUSTRIAL AREA ILALA MUNICIPALITY DAR ES SALAAAM**

ITEM	DESCRIPTION	QNTTY	UNIT	RATE	AMOUNT
	ELEMENT NR 7 :FINISHING				
	Wall finishing				
	Plaster				
	15mm Thick finishing to blockwork in two coats, first coat 12 mm thick in cement and sand (1:4), second coat, 3 mm thick lime putty (1:3) with steel trowel insitu smoth surface finish to;				
A	Walls	1,612.00	m ²	6,500	10,478,000.00
B	Columns	96.60	m ²	6,500	627,900.00
C	Ceiling	1,552.00	m ²	6,500	10,088,000.00
D	Soffits of Landings	16.00	m ²	6,500	104,000.00
E	Slopping soffits of stairs	40.00	m ²	6,500	260,000.00
F	String of stair (side of stair case)	35.00	m ²	6,500	227,500.00
G	Beam stair	10.00	m ²	6,500	65,000.00
H	Ceiling beam side	487.20	m ²	6,500	3,166,800.00
	Rendering				
	15mm Thick finishing to blockwork in two coats, first coat 12 mm thick in cement and sand (1:4), second coat, 3 mm thick lime putty (1:3) with steel trowel insitu smoth surface finish to;				
J	Wall	547.71	m ²	6,500	3,560,115.00
K	Top roof wall	97.20	m ²	6,500	631,800.00
L	Overhang on top roof	50.60	m ²	6,500	328,900.00
	ELEMENT NR 7:FINISHING CARRIED TO SUMMARY OF BILL NR. 2			TSH	29,538,015.00