



**MINISTRY OF LANDS, PUBLIC WORKS , HOUSING AND
URBAN DEVELOPMENT**

*State Department for Public Works
County Works Office*

PROPOSED REFURBISHMENT OF SOCIAL SECURITY HOUSE (SSH) MOMBASA

BILLS OF QUANTITIES

**PREPARED BY;
COUNTY WORKS OFFICE
STATE DEPARTMENT OF PUBLIC WORKS
P.O BOX 90350-80100
MOMBASA**

BILLS OF QUANTITIES

PARTICULAR PRELIMINARIES

Item	Description	Amount KSh
	<u>PARTICULAR PRELIMINARIES</u>	
A	EMPLOYER The Employer is NATIONAL SOCIAL SECURITY FUND -MOMBASA The term "Employer" and "Government" wherever used in the contract document shall be	
B	PROJECT MANAGER The term "PM" wherever used in these Bills of Quantities shall be deemed to imply the project Manager as defined in Condition 1 of the Conditions of Contract or such person or persons as may be duly authorised to represent him on behalf of the Government .	
C	ARCHITECT The term "Architect" shall be deemed to mean "The P.M " as defined above whose address unless otherwise notified is Ministry of Lands , Public Works, Housing, Urban Development P.O Box 90350-80100, Mombasa.	
D	QUANTITY SURVEYOR The term "Quantity Surveyor" shall be deemed to mean "The P.M " as defined above whose address unless otherwise notified is Ministry of Lands , Public Works, Housing, Urban Development P.O Box 90350-80100, Mombasa.	
E	ELECTRICAL ENGINEER The term "Electrical Engineer" shall be deemed to mean "The P.M " as defined above whose address unless otherwise notified is Ministry of Lands , Public Works, Housing, Urban Development P.O Box 90350-80100, Mombasa.	
F	MECHANICAL ENGINEER The term "Mechanical Engineer" shall be deemed to mean "The P.M " as defined above whose address unless otherwise notified is Ministry of Lands , Public Works, Housing, Urban Development P.O Box 90350-80100, Mombasa.	
G	STRUCTURAL ENGINEER The term "Structural Engineer" shall be deemed to mean "The P.M " as defined above whose address unless otherwise notified is Ministry of Lands , Public Works, Housing, Urban Development P.O Box 90350-80100, Mombasa.	
	<i>Carried to collection</i>	-

Item	Description	Amount KSh
A	PRICING ITEMS OF PRELIMINARIES Prices SHALL BE INSERTED against items of “preliminaries” in the tenderer’s priced Bills of Quantities. The contractor is advised to read and understand all preliminary items.	
B	SCOPE OF CONTRACT The project involves the renovation works , including demolition works, internal repainting, ceiling refurbishment, window renovations ,replacement of door and renovating parking spaces and external works including staircase finishes.	
C	DESCRIPTION OF THE WORKS The works involve the the renovation works , including demolition works, internal repainting, ceiling refurbishment, window renovations ,replacement of door and renovating parking spaces and external works including staircase finishes.	
D	MEASUREMENTS In the event of any discrepancies arising between the Bills of Quantities and the actual works, the site measurements shall generally take precedence. However, such discrepancies between any contract documents shall immediately be referred to the PROJECT MANAGER in accordance with Clause 22 of the Conditions of Contract. The discrepancies shall then be treated as a variation and be dealt with in accordance with Clause 22 of the said Conditions.	
	<i>Carried to collection</i>	-

Item	Description	Amount KSh
A	AREAS Internal surfaces= External surfaces= Walling= Floor=	
B	LOCATION OF SITE The sites of the proposed works is at the NATIONAL SOCIAL SECURITY FUND BUILDING -, MOMBASA COUNTY .The Contractor is advised to visit the site, to familiarize with the nature and position of the site. No claims arising from the Contractor's failure to do so will be entertained.	
C	SIGNING OF THE TENDER DOCUMENTS The bidder shall append his / her signature and / or company 's rubberstamp on each and every page of tender document.	
D	DEMOLITIONS AND ALTERATIONS The Contractor is to allow for all temporary protection required during the works including ordinary and special dust screens, hoardings, barriers, warning signs, etc as directed by the Project Manager and as necessary for the adequate propping and protection of existing property, finishes, workmen employed on the site, employer's agents and the public. Any damage or loss incurred due to the insufficiency of such protection must be made good by the Contractor. All protective devices are to be removed on completion of the works and any necessary making good consequent upon this is to be executed to the satisfaction of the Project Manager. The works shall be propped, strutted and supported as necessary before any alteration or demolition work commences. Prices shall include for all cleaning and preparatory work to structure and finishes and for making good to all finishes on completion whether or not Unless described as set aside for re-use all arising debris and surplus materials shall be carefully removed from building and carted away from site. The Contractor shall be entirely responsible for any breakage or damage which may occur to materials required for re-use during their removal unless it is certified by the Project Manager that such damage or breakage was inevitable as a result of the condition of the item concerned.	
	Carried to collection	-

Item	Description	Amount KSh
A	CLEARING AWAY The Contractor shall remove all temporary works, rubbish, debris and surplus materials from the site as they accumulate and upon completion of the works, remove and clear away all plant, equipment, rubbish, unused materials and stains and leave in a clean and tidy state to the reasonable satisfaction of the Project Manager. The whole of the works shall be delivered up clean, complete and in perfect condition in every respect to the satisfaction of the Project Manager.	
B	CLAIMS It shall be a condition of this contract that upon it becoming reasonably apparent to the Contractor that he has incurred losses and / or expenses due to any of the contract conditions, or by any other reason whatsoever, he shall present such a claim or intent to claim notice to the PROJECT MANAGER within the contract period. No claim shall be entertained upon the expiry of the said contract period.	
C	PAYMENTS The tenderer's attention is drawn to the fact that the GOVERNMENT DOES NOT MAKE ADVANCE PAYMENTS but pays for work done and materials delivered to sit: all in accordance with Clause 23 of the Conditions of Contract Agreement. In order to facilitate this, a list of the general component elements for the works is given at the summary page of these specifications and the tenderer is requested to break down his tender sum commensurate to the said elements.	
D	PREVENTION OF ACCIDENT,DAMAGE,LOSS The Contractor is notified that these works are to be carried out on a restricted site where the client is going on with other normal activities. The Contractor is thus instructed to take reasonable care in the execution of the works as to prevent accidents, damage or loss and disruption of activities being carried out by the Client. The Contractor shall allow in his rates any expense he deemed necessary by taking such care within the site.	
E	WORKING CONDITIONS The Contractor shall allow in his rates for any interference that he may encounter in the course of the works for the Client may in some cases ask the Contractor not to proceed with the works until some activities within the site are completed, as the facility will be operating as usual during the course of the contract.	
F	SIGNBOARD Allow for providing, erecting, maintaining throughout the course of the Contract and afterwards clearing away a signboard as designed, specified and approved by the Project Manager.	
G	LABOUR CAMPS The Contractor shall not be allowed to house labour on site. Allow for transporting workers to and from the site during the tenure of the contract.	
	<i>Carried to collection</i>	

Item	Description	Amount KSh
A	MATERIALS FROM DEMOLITIONS Any materials arising from demolitions and not re-used shall become the property of the client. The Contractor shall allow in his rates the cost of disposing the demolished materials as directed.	
B	PRICING RATES The tenderer shall include for all costs in executing the whole of the works, including transport, replacing damaged items, fixing, all to comply with the said Conditions of Contract.	
C	SECURITY The Contractor shall allow for providing adequate security for the works and the workers in the course of execution of this contract. No claim will be entertained from the Contractor for not maintaining adequate security for both the works and workers.	
D	URGENCY OF THE WORKS The Contractor shall allow in his rates for any costs he/ she deems that he/she may incur by having to complete these works within the stipulated contract period.	
E	PAYMENT FOR MATERIALS ON SITE All materials for incorporation in the works must be stored on site before payment is effected, unless specifically exempted by the Project Manager. This is to include materials of the Contractor, nominated sub-Contractors and nominated suppliers.	
F	EXISTING SERVICES Prior to the commencement of any work, the Contractor is to ascertain from the relevant authority the exact position, depth and level of all existing services in the area and he/she shall make whatever provisions may be required by the authorities concerned for the support, maintenance and protection of such services.	
G	CONTRACT COMPLETION PERIOD The contract completion period in accordance with condition 31 of the Conditions of contract must be adhered to. The 'PROJECT MANAGER' shall strictly monitor the Contractors progress in relation to the progress chart and should it be found necessary the 'PROJECT MANAGER' shall inform the Contractor in writing that his actual performance on site is not satisfactory. In all such cases the Contractor shall accelerate his rate of performance production and progress by all means such as additional labour, plant, e.t.c and working overtime all at his cost.	
	<i>Carried to collection</i>	

Item	Description	Amount KSh
A	PERFORMANCE BOND A bond of 5% of the contract sum will be required in accordance with clause 6.00 (as amended) on award of contract of the Instructions to Tenderer's. No payment on account for the works executed will be made to the contractor until he has submitted the Performance Bond to the Project Manager duly signed, sealed and stamped from an approved Bank or insurance company approved by PPRA.	
B	TENDER DOCUMENTS Tender documents are as listed in Clause 2.1 of the Instruction to Tenderer's Page STD/9	
C	DELIVERY OF TENDER Tenders and all documents in connection therewith, as specified above must be delivered in the addressed envelope which should be properly sealed and deposited at the offices as specified in the letter accompanying these documents or as indicated in the advertisement. Tenders will be opened at the time specified in the letter accompanying these Tender Documents or as indicated in the advertisement. Tenders delivered/received later than the above time will not be opened.	
D	VALUE ADDED TAX The Contractor's attention is drawn to the Legal Notice in the Finance Act part 3 Section 21(b) operative from 1st September, 1993 which requires payment of VAT on all contracts. The Contractor should therefore include allowance in his rates and prices for VAT and any other Government taxes currently in force. The tenderer is advised that in accordance with Government public notice No. 35 & 36 Dated 11th September 2003 operational from 1st October 2003, VAT will be deducted against the contract sum at the prevailing rate by the Employer and remitted directly to the Commissioner of VAT through all interim certificates. It should however be noted that this is not additional tax but a new mode of payment for VAT, any excess payment will be refundable once the Contractor has submitted monthly returns to the Commissioner of VAT who will do the refunds when satisfied that the VAT regulations have been complied with. NB: The Contractor should therefore include the VAT tax within the rates.	
E	EXISTING BUILDING MATERIALS NOTE: Any materials found usable for the works shall be given to the contractor on credit with the approval of the client	
	<i>Carried to collection</i>	

PP/6

Item	Description	Amount KSh
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	PROJECT MANAGERS EXPENSES A Provide a Provisional Sum of Kenya Shillings Eight Million(Ksh8,000,000.00) only for Project Management Fuel, Transport and Accomodation Expenses Allow for Contractor's profit and overheads (-----%) B Provide sum of Kenya Shillings Four Hundred Thousand (Khs 400,000.00) only for Clerk of Works Expenses Allow for Contractor's profit and overheads (-----%) C Provide sum of Kenya Shillings Three Hundred Thousand (Khs 300,000.00) only for Project manager's office which includes furniture, sanitary facilities and electricity as may be directed by project manager Allow for Contractor's profit and overheads (-----%) D 2No. Laptop computer HP SPECTRE X360 15.6" 11th generationi9 with 32GB RAM/1TB+32 SSD storage, 4GB Graphics card complete with windows 10 Allow for Contractor's profit and overheads (-----%) Percentage of Certified Value Retained 10%	
	<i>Carried to collection</i>	

PP/7

Item	Description	Amount KSh
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	<u>PARTICULARS OF INSERTIONS TO BE MADE IN APPENDIX TO CONTRACT</u> The following are the insertions to be made in the appendix to the Contract Agreement: - Period of Final Measurement 2 Months From Practical completion Defects Liability Period 6 Months from Practical completion Date for Possession To be agreed with the Project Manager Date for Completion ...4.. Weeks from date of Possession Liquidated and Ascertained At the rate of Kshs.. Prime cost sums for which The Contractor desires to tender Period of Interim Certificates Monthly Period of Honouring Certificates 30 days Percentage of Certified Value Retained 10%	
	<i>Carried to collection</i>	-

Item	Description	Amount KSh
	<u>COLLECTION</u> Brought forward from page PP/1 Brought forward from page PP/2 Brought forward from page PP/3 Brought forward from page PP/4 Brought forward from page PP/5 Brought forward from page PP/6 Brought forward from page PP/7 Brought forward from page PP/8	
	TOTAL FOR PARTICULAR PRELIMINARIES CARRIED TO GRAND SUMMARY	-

GENERAL PRELIMINARIES

ITEM	DESCRIPTION	AMOUNT
A	PRICING OF ITEMS OF PRELIMINARIES AND PREAMBLES	
	Prices will be inserted against items of Preliminaries in the Contractor's priced Bills of Quantities and Specification.	
	The Contractor shall be deemed to have included in his prices or rates for the various items in the Bills of Quantities or Specification for all costs involved in complying with all the requirements for the proper execution of the whole of the works in the Contract.	
B	<u>ABBREVIATIONS</u>	
	Throughout these Bills, units of measurement and terms are abbreviated and shall be interpreted as follows:-	
	C.M. Shall mean cubic metre	
	S.M. Shall mean square metre	
	L.M. Shall mean linear metre	
	MM Shall mean Millimetre	
	Kg. Shall mean Kilogramme	
	No. Shall mean Number	
	Prs. Shall mean Pairs	
	B.S. Shall mean the British Standard specification Published by the British Standards Institution, 2 Park Street, London W.I., England.	
	Ditto Shall mean the whole of the preceding description except as qualified in the description in which it occurs.	
	m.s. Shall mean measured separately.	
	a.b.d Shall mean as before described.	
	Diam shall mean diameter	
	Carried to collection	-
	GP 1	

ITEM	DESCRIPTION	AMOUNT
A	<u>EXCEPTION TO THE STANDARD METHOD OF MEASUREMENT</u> Attendance ; Clause B19(a) of the Standard Method of Measurement is deleted and the following clause is substituted:- Attendance on nominated Sub-Contractors shall be given as an item in each case shall be deemed to include: allowing use of standing scaffolding, mess rooms, sanitary accommodation and welfare facilities; provision of special scaffolding where necessary; providing space for office accommodation and for storage of plant and materials; providing light and water for their work: clearing away rubbish; unloading checking and hoisting: providing electric power and removing and replacing duct covers, pipe casings and the like necessary for the execution and testing of Sub- Contractors' work and being responsible for the accuracy of the same. <u>Fix Only:-</u> Fix Only shall mean take delivery at nearest railway station (Unless otherwise stated), pay all demurrage charges, load and transport to site where necessary, unload, store, unpack, assemble as necessary, distribute to position, hoist and fix only.	
B	<u>FORM OF CONTRACT</u> The Form of Contract shall be as stipulated in the Republic of Kenya's Standard Tender Document for Procurement of Building Works (2006 Edition) included herein: The Conditions of Contract are also included herein <u>Conditions of Contract</u> These are numbered from 1 to 37 as set out in pages 18 to 37 of these tender documents. Particulars of insertions to be made in the Appendix to the Contract Agreement will be found in the Particular Preliminaries part of these Bills of Quantities	
C	<u>PLANT,TOOLS AND VEHICLES</u> Allow for providing all scaffolding, plant, tools and vehicles required for the works except in so far as may be stated otherwise herein and except for such items specifically and only required for the use of nominated Sub-Contractors as described herein. No timber used for scaffolding, formwork or temporary works of any kind shall be used afterwards in the permanent work.	
D	<u>TRANSPORT</u> Allow for transport of workmen, materials, etc., to and from the site at such hours and by such routes as may be permitted by the competent authorities. Carried to collection	-
	GP 2	

ITEM	DESCRIPTION	AMOUNT
A	<u>MATERIALS AND WORKMANSHIP.</u> All materials and workmanship used in the execution of the work shall be of the best quality and description unless otherwise stated. The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that they are onsite when required for use in the works. The Bills of Quantities shall not be used for the purpose of ordering materials.	
B	<u>SIGN FOR MATERIALS SUPPLIED.</u> The Contractor will be required to sign a receipt for all articles and materials supplied by the PROJECT MANAGER at the time of taking deliver thereof, as having received them in good order and condition, and will thereafter be responsible for any loss or damage and for replacements of any such loss or damage with articles and/or materials which will be supplied by the PROJECT MANAGER at the current market prices including Customs Duty and V.A.T., all at the Contractor's own cost and expense, to the satisfaction of the PROJECT MANAGER.	
C	<u>STORAGE OF MATERIALS SUPPLIED</u> The Contractor shall provide at his own risk and cost where directed on the site weather proof lock-up sheds and make good damaged or disturbed surfaces upon completion to the satisfaction of the PROJECT MANAGER Nominated Sub-Contractors are to be made liable for the cost of any storage accommodation provided especially for their use.	
D	<u>SAMPLES</u> The Contractor shall furnish at his own cost any samples of materials or workmanship including concrete test cubes required for the works that may be called for by the PROJECT MANAGER for his approval until such samples are approved by the PROJECT MANAGER and the PROJECT MANAGER, may reject any materials or workmanship not in his opinion to be up to approved samples. The PROJECT MANAGER shall arrange for the testing of such materials as he may at his discretion deem desirable, but the testing shall be made at the expense of the Contractor and not at the expense of the PROJECT MANAGER. The Contractor shall pay for the testing in accordance with the current scale of testing charges laid down by the Ministry of Public Works. The procedure for submitting samples of materials for testing and the method of marking for identification shall be as laid down by the PROJECT MANAGER The Contractor shall allow in his tender for such samples and tests except those in connection with nominated sub-contractors' work. Carried to collection	
	GP/3	

ITEM	DESCRIPTION	AMOUNT
A	<u>GOVERNMENT ACTS REGARDING WORK, PEOPLE ETC.</u> Allow for complying with all Government Acts, Orders and Regulations in connection with the employment of Labour and other matters related to the execution of the works. In particular the Contractor's attention is drawn to the provisions of the Factory Act 1950 and his tender must include for all costs arising or resulting from compliance with any Act, Order or Regulation relating to Insurances, pensions and holidays for workpeople or so the safety, health and welfare of the work people. The Contractor must make himself fully acquainted with current Acts and Regulations, including Police Regulations regarding the movement, housing, security and control of labour, labour camps , passes for transport, etc. It is most important that the Contractor, before tendering, shall obtain from the relevant Authority the fullest information regarding all such regulations and/or restrictions which may affect the organisation of the works, supply and control of labour, etc., and allow accordingly in his tender. No claim in respect of want of knowledge in this connection will be entertained. <u>PUBLIC AND PRIVATE ROADS.</u> Maintain as required throughout the execution of the works and make good any damage to public or private roads arising from or consequent upon the execution of the works to the satisfaction of the local and other competent authority and the PROJECT MANAGER. <u>EXISTING PROPERTY.</u> The Contractor shall take every precaution to avoid damage to all existing property including roads, cables, drains and other services and he will be held responsible for and shall make good all such damage arising from the execution of this contract at his own expense to the satisfaction of the PROJECT MANAGER <u>VISIT SITE AND EXAMINE DRAWINGS.</u> The Contractor is recommended to examine the drawings and visit the site the location of which is described in the Particular Preliminaries hereof. He shall be deemed to have acquainted himself therewith as to its nature, position, means of access or any other matter which, may affect his tender. No claim arising from his failure to comply with this recommendation will be considered. Carried to collection	
	GP/4	

ITEM	DESCRIPTION	AMOUNT
A	<u>ACCESS TO SITE AND TEMPORARY ROADS.</u> Means of access to the Site shall be agreed with the PROJECT MANAGER prior to commencement of the work and Contractor must allow for building any necessary temporary access roads (approximately 70 metres long) for the transport of the materials, plant and workmen as may be required for the complete execution of the works including the provision of temporary culverts, crossings, bridges, or any other means of gaining access to the Site. Upon completion of the works, the Contractor shall remove such temporary access roads; temporary culverts, bridges, etc., and make good and reinstate all works and surfaces disturbed to the satisfaction of the PROJECT MANAGER.	
B	<u>OFFICE ETC. FOR THE PROJECT MANAGER</u> The Contractor shall provide, erect and maintain where directed on site a properly ventilated lockable office for the consultants, having a minimum floor area of 40 Square Metres complete with furniture (Tables, chairs e.t.c). Provision shall be made for artificial lighting and cleaning facilities for the duration of the works. Upon completion the Contractor shall dismantle and clear away the office. He shall also provide a strong metal trunk complete with strong hasp and staple fastening and two keys. He shall provide, erect and maintain a lock-up type water or bucket closet for the sole use of the PROJECT MANAGER including making temporary connections to the drain where applicable to the satisfaction of Government and Medical Officer of Health and shall provide services of cleaner and pay all conservancy charges and keep both office and closet in a clean and sanitary condition from commencement to the completion of the works and dismantle and make good disturbed surfaces. The office and closet shall be completed before the Contractor is permitted to commence the works. The Contractor shall make available on the Site as and when required by the "PROJECT MANAGER" a modern and accurate level together with levelling staff, ranging rods and 50 metre metallic or linen tape.	
C	<u>WATER AND ELECTRICITY SUPPLY FOR THE WORKS</u> The Contractor shall provide at his own risk and cost all necessary water, electric light and power required for use in the works. The Contractor must make his own arrangements for connection to the nearest suitable water main and for metering the water used. He must also provide temporary tanks and meters as required at his own cost and clear away when no longer required and make good on completion to the entire satisfaction of the PROJECT MANAGER . The Contractor shall pay all charges in connection herewith. No guarantee is given or implied that sufficient water will be available from mains and the Contractor must make his own arrangements for augmenting this supply at his own cost. Nominated Sub--contractors are to be made liable for the cost of any water or electric current used and for any installation provided especially for their own use. Carried to collection	
	GP/5	

ITEM	DESCRIPTION	AMOUNT
A	<u>SANITATION OF THE WORKS</u> The Sanitation of the works shall be arranged and maintained by the Contractor to the satisfaction of the Government and/or Local Authorities, Labour Department and the PROJECT MANAGER.	
B	<u>SUPERVISION AND WORKING HOURS</u> The works shall be executed under the direction and to the entire satisfaction in all respects of the PROJECT MANAGER who shall at all times during normal working hours have access to the works and to the yards and workshops of the Contractor and sub-Contractors or other places where work is being prepared for the contract.	
C	<u>PROVISIONAL SUMS.</u> The term "Provisional Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7(i) of the Standard Method of Measurement mentioned in Condition No. 16 of the conditions of Contract. Such sums are net and no addition shall be made to them for profit.	
D	<u>PRIME COST (OR P.C.) SUMS.</u> The term "Prime Cost Sum" or "P.C. Sum" wherever used in these Bills of Quantities shall have the meaning stated in Section A item A7 (ii) of the Standard Method of Measurement mentioned in Condition No. 16 of the conditions of Contract. Persons or firms nominated by the PROJECT MANAGER to execute work or to provide and fix materials or goods as stated in Condition No. 20 of the Conditions of Contract are described herein as Nominated Sub-Contractors. Persons or firms so nominated to supply goods or materials are described herein as Nominated Suppliers.	
E	<u>PROGRESS CHART.</u> The Contractor shall provide within two weeks of Possession of Site and in agreement with the PROJECT MANAGER a Progress Chart for the whole of the works including the works of Nominated Sub-Contractors ; one copy to be handed to the PROJECT MANAGER and a further copy to be retained on Site. Progress to be recorded and chart to be amended as necessary as the work proceeds.	
F	<u>ADJUSTMENT OF P.C. SUMS.</u> In the final account all P.C. Sums shall be deducted and the amount properly expended upon the PROJECT MANAGER'S order in respect of each of them added to the Contract sum. The Contractor shall produce to the PROJECT MANAGER such quotations, invoices or bills, properly receipted, as may be necessary to show the actual details of the sums paid by the Contractor. Items of profit upon P.C. Sums shall be adjusted in the final account pro-rata to the amount paid. Items of "attendance" (as previously described) following P.C. Sums shall be adjusted pro-rata to the physical extent of the work executed (not pro-rata to the amount paid) and this shall apply even though the Contractor's priced Bill shows a percentage in the rate column in respect of them.	
	Carried to collection	
	GP/6	

ITEM	DESCRIPTION	AMOUNT
	Should the Contractor be permitted to tender and his tender be accepted of any work for which a P.C. Sum is included in these Bill of Quantities profit and attendance will be allowed at the same rate as it would be if the work were executed by a Nominated Sub-Contractor.	
A	<u>NOMINATED SUB-CONTRACTORS</u> When any work is ordered by the PROJECT MANAGER to be executed by nominated sub-contractors, the Contractor shall enter into sub-contracts as described in Condition No. 20 of the Conditions of Contract and shall thereafter be responsible for such sub-contractors in every respect. Unless otherwise described the Contractor is to provide for such Sub-Contractors any or all of the facilities described in these Preliminaries. The Contractor should price for these with the nominated Sub-contract Contractor's work concerned in the P.C. Sums under the description "add for Attendance".	
B	<u>DIRECT CONTRACTS</u> Notwithstanding the foregoing conditions, the Government reserves the right to place a "Direct Contract" for any goods or services required in the works which are covered by a P.C. Sum in the Bills of Quantities and to pay for the same direct. In any such instances, profit relative to the P.C. Sum the priced Bills of Quantities will be adjusted as described for P.C. Sums and allowed.	
C	<u>ATTENDANCE UPON OTHER TRADESMEN, ETC.</u> The Contractor shall allow for the attendance of trade upon trade and shall afford any tradesmen or other persons employed for the execution of any work not included in this Contract every facility for carrying out their work and also for use of his ordinary scaffolding. The Contractor, however, shall not be required to erect any special scaffolding for them. The Contractor shall perform such cutting away for and making good after the work of such tradesmen or persons as may be ordered by the PROJECT MANAGER and the work will be measured and paid for to the extent executed at rates provided in these Bills.	
D	<u>INSURANCE</u> The Contractor shall insure as required in Conditions No 30 of the Conditions of Contract. No payment on account of the work executed will be made to the Contractor until he has satisfied the PROJECT MANAGER either by production of an Insurance Policy or and Insurance Certificate that the provision of the foregoing Insurance Clauses have been complied with in all respects. Thereafter the PROJECT MANAGER shall from time to time ascertain that premiums are duly paid up by the Contractor who shall if called upon to do so, produce the receipted premium renewals for the PROJECT MANAGER's inspection.	
	Carried to collection	
	GP/7	

ITEM	DESCRIPTION	AMOUNT
A	<u>REMOVAL OF RUBBISH</u> Removal of rubbish and debris from the Building and the site as it accumulates and at the completion of the works and removal all plant, scaffolding and unused materials at completion.	
B	<u>PROVISIONAL WORK</u> All work described as "Provisional" in these Bills of Quantities is subject to remeasurement in order to ascertain the actual quantity executed for which payment will be made. All "Provisional" and other work liable to adjustment under this Contract shall left uncovered for a reasonable time to allow all 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 so directs uncover the work to enable all measurements to be taken and afterwards reinstate at his own expense.	
C	<u>ALTERATIONS TO BILLS, PRICING, ETC.</u> Any unauthorised alteration or qualification made to the text of the Bills of Quantities may cause the Tender to be disqualified and will in any case be ignored. The Contractor shall be deemed to have made allowance in his prices generally to cover any items against which no price has been inserted in the priced Bills of Quantities. All items of measured work shall be priced in detail and the Tenders containing Lump Sums to cover trades or groups of work must be broken down to show the price of each item before they will be accepted.	
D	<u>BLASTING OPERATIONS</u> Blasting will only be allowed with the express permission of the PROJECT MANAGER in writing. All blasting operations shall be carried out at the Contractor's sole risk and cost in accordance with any Government regulations in force for the time being, and any special regulations laid down by the PROJECT MANAGER governing the use and storage of explosives.	
E	<u>MATERIALS ARISING FROM EXCAVATIONS</u> Materials of any kind obtained from the excavations shall be the property of the Government. Unless the PROJECT MANAGER directs otherwise such materials shall be dealt with as provided in the Contract. Such materials shall only be used in the works, in substitution of materials which the Contractor would otherwise have had to supply with the written permission of the PROJECT MANAGER Should such permission be given, the Contractor shall make due allowance for the value of the materials so used at a price to be agreed.	
	Carried to collection	
	GP/8	

ITEM	DESCRIPTION	AMOUNT
A	<u>PROTECTION OF THE WORKS.</u> Provide protection of the whole of the works contained in the Bills of Quantities, including casing, casing up, covering or such other means as may be necessary to avoid damage to the satisfaction of the PROJECT MANAGER and remove such protection when no longer required and make good any damage which may nevertheless have been done at completion free of cost to the Government.	
B	<u>WORKS TO BE DELIVERED UP CLEAN</u> Clean and flush all gutters, rainwater and waste pipes, manholes and drains, wash (except where such treatment might cause damage) and clean all floors, sanitary fittings, glass inside and outside and any other parts of the works and remove all marks, blemishes, stains and defects from joinery, fittings and decorated surfaces generally, polish door furniture and bright parts of metalwork and leave the whole of the buildings watertight, clean, perfect and fit for occupation to the approval of the PROJECT MANAGER.	
C	<u>GENERAL SPECIFICATION.</u> For the full description of materials and workmanship, method of execution of the work and notes for pricing, the Contractor is referred to the Ministry of Roads and Public Works and Housing General Specification dated 1976 or any subsequent revision thereof which is issued as a separate document, and which shall be allowed in all respects unless it conflicts with the General Preliminaries, Trade Preambles or other items in these Bills of Quantities.	
D	<u>TRAINING LEVY</u> The Contractor's attention is drawn to the legal notice which requires payment by the Contractor of a Training Levy at the rate of 1/4 % of the Contract sum on all contracts of more than KShs. 1,000,000.00 in value.	
E	<u>MATERIALS ON SITE</u> All materials for incorporation in the works must be stored on or adjacent to the site before payment is effected unless specifically exempted by the PROJECT MANAGER. This includes the materials of the Main Contractor, Nominated Sub-Contractors and Nominated Suppliers.	
F	<u>HOARDING</u> The Contractor shall enclose the site or part of the works under construction with a hoarding 2400 mm high consisting of iron sheets on 100 x 50 mm timber posts firmly secured at 1800 mm centres with two 75 x 50 mm timber rails. The Contractor is in addition required to take all precautions necessary for the safe custody of the works, materials, plant, public and Employer's property on the site.	
	Carried to collection	
	GP/9	

ITEM	DESCRIPTION	AMOUNT
A	<u>CONTRACTOR'S SUPERINTENDENCE/SITE AGENT</u> The Contractor shall constantly keep on the works a literate English speaking Agent or Representative, competent and experienced in the kind of work involved who shall give his whole experience in the kind of work involved and shall give his whole time to the superintendence of the works. Such Agent or Representative shall receive on behalf of the Contractor all directions and instructions from the Project Manager and such directions shall be deemed to have been given to the Contractor in accordance with the Conditions of Contract.	
B	<u>BOND</u> The contractor shall find and submit on the Form of Tender an approved bank who will be willing to be bond to the Government in an amount equal to five per cent (5%) of the contract amount for the due performances of the contract up to the date of completion as certified by the PROJECT MANAGER and who will, when called upon, sign a bond to that effect on the relevant standard form included herein (without the addition of any limitations) on the same day as the Contract Agreement is signed, by the Government, the contractor shall furnish within seven days another surety to the approval Governmet. Carried to collection	
	GP/10	

ITEM	DESCRIPTION	AMOUNT
	COLLECTION Brought Forward From Page GP/1 Brought Forward From Page GP/2 Brought Forward From Page GP/3 Brought Forward From Page GP/4 Brought Forward From Page GP/5 Brought Forward From Page GP/6 Brought Forward From Page GP/7 Brought Forward From Page GP/8 Brought Forward From Page GP/9 Brought Forward From Page GP/10 TOTAL FOR GENERAL PRELIMINARIES CARRIED TO GRAND SUMMARY	

BASEMENT

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	ELEMENT NO.1				
	<u>FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>Surface preparation</u>				
A	Mechanically grind/scarify existing concrete floor surfaces to remove laitance, weak concrete, oil stains, and contaminants including vacuum cleaning	S.M	2795		
B	Hack off and remove loose and deteriorated concrete/screed surfaces	S.M	61		
C	Heavy-duty industrial vacuuming to remove all dust and debris	SM	2795		
D	Clean and prepare cracks by routing/chasing and removing loose material	Lm	150		
	<u>Concrete repair works</u>				
E	Repair defective concrete floor areas using polymer modified non-shrink repair mortar (mix 1:3)	S.M	61		
F	Fill cracks using approved epoxy crack filler	LM	150		
	<u>Epoxy primer application</u>				
G	Supply and apply clear/pigmented epoxy primer to seal the substrate and promote adhesion.	S.M	2795		
	<u>Anti-skid epoxy base coat</u>				
H	2mm solvent-free epoxy self-leveling or high-build coating layer .	S.M	2795		
	<u>Anti-Skid Aggregate Broadcasting</u>				
I	Broadcast graded silica sand or aluminum oxide grit uniformly into the wet epoxy layer at a rate of 0.5 kg/m2 to create a textured, anti-slip profile	S.M	2795		
	<u>Top-seal coat application</u>				
J	Apply a polyurethane or UV-resistant epoxy topcoat to lock in the aggregate and seal the floor for easy maintenance.	S.M	2795		
	TOTAL FOR FLOOR FINISHES CARIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>CONCRETE AND WALL SURFACES</u> <u>i.Internal surfaces and concrete surfaces</u> A Clean and prepare wall and concrete surfaces by removing laitance, loose particles, oil stains, and contaminants; make good cracks and defective areas and leave surfaces sound and ready to receive specified paint system. B Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown Silk Vinyl Emulsion paint</u> or equivalent on internal surfaces and concrete surfaces <u>ii.Ceiling</u> C Clean and prepare wall and concrete surfaces by removing laitance, loose particles, oil stains, and contaminants; make good cracks and defective areas and leave surfaces sound and ready to receive specified paint system. D Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of Crown Vinyl Matt Emulsion paint or equivalent on soffits of suspended slab surfaces as before described TOTAL ELEMENT NO.1 (FINISHES) CARRIED TO SUMMARY	S.M	762		
		S.M	762		
		S.M	2795		
		S.M	2795		

PROPOSED RENOVATIONS OF THE NSSF BUILDING MOMBASA

ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	FLOOR FINISHES				
2	CONCRETE WALL SURFACES				
	TOTAL FOR BASEMENT CARRIED TO MAIN SUMMARY				

MEZAZANINE

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	ELEMENT NO.1				
	<u>FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>Surface preparation</u>				
A	Mechanically grind/scarify existing concrete floor surfaces to remove laitance, weak concrete, oil stains, and contaminants including vacuum cleaning	S.M	1387		
B	Hack off and remove loose and deteriorated concrete/screed surfaces	S.M	61		
C	Heavy-duty industrial vacuuming to remove all dust and debris	SM	1387		
D	Clean and prepare cracks by routing/chasing and removing loose material	Lm	150		
	<u>Concrete repair works</u>				
E	Repair defective concrete floor areas using polymer modified non-shrink repair mortar (mix 1:3)	S.M	61		
F	Fill cracks using approved epoxy crack filler	LM	150		
	<u>Epoxy primer application</u>				
G	Supply and apply clear/pigmented epoxy primer to seal the substrate and promote adhesion.	S.M	1387		
	<u>Anti-skid epoxy base coat</u>				
H	2mm solvent-free epoxy self-leveling or high-build coating layer .	S.M	1387		
	<u>Anti-Skid Aggregate Broadcasting</u>				
I	Broadcast graded silica sand or aluminum oxide grit uniformly into the wet epoxy layer at a rate of 0.5 kg/m2 to create a textured, anti-slip profile	S.M	1387		
	<u>Top-seal coat application</u>				
J	Apply a polyurethane or UV-resistant epoxy topcoat to lock in the aggregate and seal the floor for easy maintenance.	S.M	1387		
	TOTAL FOR FLOOR FINISHES CARIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>CONCRETE AND WALL SURFACES</u> <u>i.Internal surfaces and concrete surfaces</u> A Clean and prepare wall and concrete surfaces by removing laitance, loose particles, oil stains, and contaminants; make good cracks and defective areas and leave surfaces sound and ready to receive specified paint system. B Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown Silk Vinyl Emulsion paint</u> or equivalent on internal surfaces and concrete surfaces <u>ii.Ceiling</u> C Clean and prepare wall and concrete surfaces by removing laitance, loose particles, oil stains, and contaminants; make good cracks and defective areas and leave surfaces sound and ready to receive specified paint system. D Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of Crown Vinyl Matt Emulsion paint or equivalent on soffits of suspended slab surfaces as before described TOTAL ELEMENT NO.1 (FINISHES) CARRIED TO SUMMARY				

PROPOSED RENOVATIONS OT THE NSSF BUILDING MOMBASA

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	FLOOR FINISHES				
2	CONCRETE WALL SURFACES				
	TOTAL FOR MEZZANINE CARRIED TO MAIN SUMMARY				

GROUND FLOOR PARKING

GROUND FLOOR PARKING					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	ELEMENT NO.1				
	<u>FINISHES</u>				
	<u>FLOOR FINISHES</u>				
	<u>Surface preparation</u>				
A	Mechanically grind/scarify existing concrete floor surfaces to remove laitance, weak concrete, oil stains, and contaminants including vacuum cleaning	S.M	1387		
B	Hack off and remove loose and deteriorated concrete/screed surfaces	S.M	61		
C	Heavy-duty industrial vacuuming to remove all dust and debris	SM	1387		
D	Clean and prepare cracks by routing/chasing and removing loose material	Lm	150		
	<u>Concrete repair works</u>				
E	Repair defective concrete floor areas using polymer modified non-shrink repair mortar (mix 1:3)	S.M	61		
F	Fill cracks using approved epoxy crack filler	LM	150		
	<u>Epoxy primer application</u>				
G	Supply and apply clear/pigmented epoxy primer to seal the substrate and promote adhesion.	S.M	1387		
	<u>Anti-skid epoxy base coat</u>				
H	2mm solvent-free epoxy self-leveling or high-build coating layer .	S.M	1387		
	<u>Anti-Skid Aggregate Broadcasting</u>				
I	Broadcast graded silica sand or aluminum oxide grit uniformly into the wet epoxy layer at a rate of 0.5 kg/m2 to create a textured, anti-slip profile	S.M	1387		
	<u>Top-seal coat application</u>				
J	Apply a polyurethane or UV-resistant epoxy topcoat to lock in the aggregate and seal the floor for easy maintenance.	S.M	1387		
	TOTAL FOR FLOOR FINISHES CARIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>CONCRETE AND WALL SURFACES</u> <u>i.Internal surfaces and concrete surfaces</u>				
A	Clean and prepare wall and concrete surfaces by removing laitance, loose particles, oil stains, and contaminants; make good cracks and defective areas and leave surfaces sound and ready to receive specified paint system.	S.M	446		
B	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown Silk Vinyl Emulsion paint</u> or equivalent on internal surfaces and concrete surfaces	S.M	446		
	<u>ii.Ceiling</u>				
C	Sand Clean and prepare wall and concrete surfaces by removing laitance, loose particles, oil stains, and contaminants; make good cracks and defective areas and leave surfaces sound and ready to receive specified paint system.	S.M	1387		
D	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of Crown Vinyl Matt Emulsion paint or equivalent on soffits of suspended slab surfaces as before described	S.M	1387		
	TOTAL ELEMENT NO.1 (FINISHES) CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	FLOOR FINISHES				
2	CONCRETE WALL SURFACES				
	TOTAL FOR GROUND FLOOR PARKING CARRIED TO MAIN SUMMARY				

GROUND FLOOR

GROUND FLOOR

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>ELEMENT NO.1</u> <u>DEMOLITION</u> <u>i.Floor finishes</u> <u>Hack the existing floor finish cart away debris and prepare the floor to receive new finishes</u>				
A	Tiles (Lobby,corridor) gound floor	SM	110		
B	Mezzanine	SM	64		
C	Terazzo in benefits compliance office and boardroom	Sm	167		
D	Kitchen	sm	11		
	<u>ii.Interior wall finishes</u>				
E	Sand the existing paint on the surfaces of interior surfaces and prepare the walls to receive a new painting system	S.M	56		
F	Carefully hack off the existing wall tiles and cart away the arising debris as directed	SM	16		
	<u>iii.Exterior wall finishes</u>				
G	Sand the existing paint on the surfaces of interior surfaces and prepare the walls to receive a new painting system	S.M	11		
H	Ditto to ceiling adove corridors	sm	167		
	<u>Ceiling</u>				
I	Carefully take down existing acoustic ceiling tiles together with exposed/concealed suspension grid framework, hangers, trims, and fittings; remove debris from site and leave area clean.	SM	60		
	<u>Doors</u>				
J	Carefully remove the existing doors and hand over salvaged material to client	NO	1		
K	Carefully remove the existing aluminium framed glass door 3600mm x 2675mm high and hand over salvaged material to client	NO	1		
	<u>Stairscase</u>				
L	Carefully demolish and remove existing timber staircase including treads, risers, strings, balustrades, handrails, supports, and all associated fittings; cart away debris from site and leave area clean and safe.	ITEM			
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>spiral staircase</u>				
	<u>Carefully remove the existing wooden finish on the staircase to replace with a new finishing material (m.s)</u>				
A	Trends and risers	lm	58		
B	Surface of the staircase.	Sm	30		
	<u>Staircase</u>				
	<i><u>carefully remove existing terrazo flooring and cart away arisings from site;</u></i>				
C	landings	Sm	20		
D	150mm high risers	Lm	63		
E	300mm wide treads	Lm	59		
F	10mm Thick x 150 mm high skirting	Lm	46		
	TOTAL CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	BROUGHT FORWARD FROM PAGE 1				
	BROUGHT FORWARD FROM PAGE 2 ABOVE				
	TOTAL ELEMENT NO.1 DEMOLITION CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>ELEMMENT NO 2:-</u>				
	<u>REINFORCED CONCRETE</u>				
	<u>SUPERSTRUCTURE:-</u>				
	<u>Vibrated reinforced concrete (1:2:4) in:-</u>				
A	staircase waist,and steps	Cm	2		
B	100mm thick landing	Sm	1		
	<u>STAIRCASE FINISHES</u>				
	<u>Staircase finishes (In NSSF branch office)</u>				
C	described in 150mm high risers to receive ceramic step tiles	LM	24		
D	Ditto; 300mm wide treads; ditto	LM	22		
E	Ditto; landing; ditto	SM	3		
	<u>Ceramic step tiles laid using grey tile grout:-</u>				
F	150mm high risers	LM	24		
G	300mm wide treads	LM	22		
H	Landing	SM	3		
I	with the top grouted and painted	LM	14		
J	soffits of landing finished smooth with steel trowel to receive	SM	3		
K	Ditto; sloping soffits of staircase; ditto	SM	7		
L	equivalent; apply one coat of Crown Undercoat or equivalent;	SM	10		
	<u>50mm thick polished Mvule hardwood stair treads and risers screwed onto prepared staircase framing, including sanding, finishing edges, and applying approved clear varnish.</u>				
M	150mm risers	Sm	4		
N	250mm treads	Sm	7		
O	Surface of the staircase.	sm	30		
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>ELEMENT NO.3</u>				
	<u>FINISHES</u>				
	<u>i.Floor finish</u>				
A	Cement and sand (1:4) in 20mm thick screed bed to receive floor finishes (measured separately)	S.M	341		
B	10mm thick light beige ceramic floor tiles size 600mm x 600mm as Saj laid with 2mm spacers using 'pegoland' adhesive as distributed by Saj Ceramics Ltd; including pointing in matching anti-fungal coloured cement	SM	341		
C	Ditto, 100mm high in skirting	lm	93		
	<u>In kitchen</u>				
D	20mm thick Porcelain floor tiles size 600mm x 600mm as Saj Or any equal and approved manufacturer laid with 2mm spacers using approved adhesive; including pointing in matching anti-fungal coloured cement	SM	11		
E	Ditto, 100mm high in skirting	lm	13		
F	25mm thick granaite tiles cut to fit on worktop surfaces ,equal and approved manufacturer laid with 2mm spacers using approved adhesive; including pointing in matching anti-fungal coloured cement	SM	4		
	<u>Interior surfaces</u>				
G	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown Silk Vinyl Emulsion paint</u> or equivalent on internal surfaces and concrete surfaces	S.M	432		
	<u>EXTERNAL WALL FINISHES</u>				
H	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	SM	706		
I	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long-life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	S.M	706		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>iv. Ceiling finishes</u>				
	<u>External ceiling</u>				
A	Clean and prepare wall and concrete surfaces by removing laitance, loose particles, oil stains, and contaminants; make good cracks and defective areas and leave surfaces sound and ready to receive specified paint system.	S.M	248		
B	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of Crown Vinyl Matt Emulsion paint or equivalent on soffits of suspended slab surfaces as before described	S.M	248		
	<u>Ceiling installations</u>				
	<u>Accoustic Ceiling and framing</u>				
C	Suspended acoustic ceiling : 600 x 600 x 15mm fine pressed mineral fibre tiles on and including concealed 'T' frame grid system : tegular edges and shallow gap trims : allow for cutting and trimming to light fittings.	Sm	60		
D	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown Silk Vinyl Emulsion paint</u> or equivalent on internal surfaces and concrete surfaces	SM	341		
	<u>Expansion Joints</u>				
E	30mm Thick 'Flexcell' other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
F	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	TOTAL CARRIED TO COLLECTION				
	COLLECTION				
	BROUGHT FORWARD FROM PAGE 4				
	BROUGHT FORWARD FROM PAGE 5 ABOVE				
	TOTAL FOR ELEMENT NO.3 (FINISHES) CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	ELEMENT NO.4 DOORS				
A	45mm Six Panelled mvule door with 4 moulding to architects approval and overall size 900 x 2200mm(single leaf)	No.	1		
B	30mm Panelled mvule door to architects approvaln overall size 900 x 2200mm(single leaf)	No.	1		
	<u><i>All in cypress or any other equal and approved</i></u>				
C	150mm x 50mm door frame once rebated	Lm	11		
D	20 x 25mm high thick quadrant plugged	Lm	22		
E	40 x 25mm thick archtrave plugged.	Lm	22		
	<u><i>Supply and fix the following iron mongery</i></u>				
F	Matte black powder-coated lever handle with RFID card lockset	No.	1		
G	3-lever mortise door lock as "union" or any other-in washroom	No.	1		
H	Door closer as Dormakarba or equivalent	No.	1		
I	Indicator Bolts	No.	1		
J	Euro stainless steel bearing hinge S.S 4" X 3" X 3" mm	Prs	3		
	<u><i>Painting</i></u>				
	<u><i>Prepare and apply 3 coats gloss oil paint to surfaces of:</i></u>				
K	Timber doors	Sm	8		
L	Frames 100 - 200 mm high	Lm	22		
M	Surfaces not exceeding 100mm high	Lm	22		
	TOTAL FOR ELEMENT NO. 4 DOORS CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
A	ELEMENT NO.5				
	WINDOWS				
	<u>Aluminium sliding windows in kitchen</u>				
	<u>Aluminium sliding window comprising 90mm x 50mm thick aluminium section in main framing; 40mm x 40mm in inner framing; including 25mm x 15mm aluminium in beadings and glazed in 4mm thick translucent sheet glass with U-5 rubber in bunting all round; complete with locks, rollers and all ironmongery in windows size:-</u>				
	1800mm by 1500mm	NO	2		
B	GLAZING 6mm thick glass with fixed to aluminium frames with rubber gaskets	Sm	41		
C	External protective grills Prepare existing steel protective grills by removing rust, loose paint and corrosion through wire brushing/sanding, apply one coat anti-corrosive metal primer and two coats approved weather-resistant enamel paint to achieve a smooth protective finish, complete as directed	SM	200		
	TOTAL FOR WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 06; STAIRCASE FINISHES(main staircase)				
	<u>Painting and Decorating</u>				
	<i><u>Rub down existing dilapidated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u></i>				
A	Soffits: landings	Sm	20		
B	Ditto: slopping staircases	Sm	26		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	Lm	19		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	Lm	35		
E	Ditto; stairwell walls	Sm	37		
	<u>Staircase</u>				
	<i><u>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</u></i>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	<u>Balustrading</u>				
	<i><u>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</u></i>				
J	Staircase railing	Sm	8		
K	Handrail	Lm	14		
	TOTAL FOR STAIR CASE FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT NO.7				
	FITTINGS AND FIXTURES				
	<u>Kitchen cabinets</u>				
	<u>Cabinets constructed from moisture-resistant MDF boards, with all carcasses, shelves, and partitions in approved thickness; surfaces finished with high-quality laminate/paint as specified; complete with, hinges, handles, locks, and all necessary ironmongery; including backing boards, proper jointing, and secure fixing to walls/floors, all to approved design and dimensions</u>				
	<u>Base Cabinets</u>				
	<u>Wrot hardwood: -</u>				
A	50 x 25mm shelf bearers	Lm	10		
B	25mm MDF Board shelves Hardwood lipped at edges	Sm	17		
C	Ditto to doors high lipped at edges	Sm	4		
	<u>Iron mongery as "UNION" or equal and approved: -</u>				
D	100x50mm HAFELE hinges	Prs	6		
E	Häfele 19mm nickel-plated cam lock, suitable for 19mm panels. Features a 90-degree turn mechanism with two keys	No.	6		
F	Target cam locks for drawers	No.	3		
	<u>Wall cabinets</u>				
	<u>Wrot hardwood: -</u>				
G	50 x 25mm shelf bearers	Lm	9		
H	25mm MDF Board shelves Hardwood lipped at edges	Sm	10		
I	Double shutter doors 1000mm x 750mm high lipped at edges	Sm	2		
	<u>Iron mongery as "UNION" or equal and approved: -</u>				
J	100x50mm HAFELE hinges	Prs	5		
K	Häfele 19mm nickel-plated cam lock, suitable for 19mm panels. Features a 90-degree turn mechanism with two keys	No.	5		
	<u>Solid timber counter top</u>				
L	500mm wide x 50mm thick mvule hardwood worktop supported on 300mm high mild steel box section spacers fixed onto existing half wall. Work to include fabrication and fixing of steel supports, anchoring to wall with approved bolts, and securing worktop with concealed screws.	Sm	3		
	TOTAL CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
ELECTRICAL WORKS					
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
	i 1-way switching	No.	10		
	ii 2-way switching	No.	6		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
	i ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
	ii 18W, 1x1200mm LED fitting.	No.	21		
	iii surface mounted round LED light	No.	6		
	iv 12W LEDbulb with bulk head	No.	9		
	v Recessed COB LED kitchen ceiling light in , complete with driver, wiring in conduit, and 2-way switching system	No	8		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	41		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent	No.	41		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
	i 5A SP	No	8		
	ii 10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	30		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	SUMMARY PAGE FOR RENOVATION WORKS				
	<u>COLLECTIONS</u>				
A	DEMOLITION				
B	FINISHES				
C	DOORS				
D	WINDOWS				
E	STAIRCASE FINISHES				
F	FIXTURES AND FITINGS				
G	ELECTRICAL WORKS				
	TOTAL RENOVATION WORK CARRIED TO MAIN SUMMARY				

FIRST FLOOR

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>ELEMENT NO.1</u> <u>DEMOLITION WORKS</u>				
	<u>i). Pavement blocks</u>				
A	Carefully dismantle existing cabro paving blocks and remove associated bedding and jointing materials including cleaning and disposal of debris, all complete to facilitate laying of new paving finish.	Sm	1724		
	<u>ii.Exterior wall finishes</u>				
B	Sand the existing paint on the surfaces of interior surfaces and prepare the walls to receive a new painting system	Sm	362		
C	Carefully hack out and remove existing dilapidated floor tiles in the bathroom areas and store rooms, cart away arising debris and prepare surfaces to receive new finish (ms) (approximately 40 square metres)	Sm	26		
D	Carefully demolish the existing wall tiles, fitting and fixtures in the wet areas and prepare area to receive the tiles(ms)and new fittings to approval (ms) approximately 109 square metres	Sm	109		
E	Carefully demolish the existing acoustic and gypsum ceilings in both wet areas and common areas and prepare area to receive new alucobond ceilings(ms) to approval (ms) approximately 133 square metres	Sm	119		
	<u>Staircase</u>				
	<u>carefully remove existing terrazo flooring and cart away arisings from site;</u>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	TOTAL ELEMENT NO.1 DEMOLITION CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>ELEMENT NO.2</u> <u>FINISHES</u> <u>i.External concrete surfaces</u>				-
A	Prepare external wall surfaces exposed to marine/coastal conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	Sm	954		
B	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	954		
	<u>Precast concrete Parapet</u>				
C	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	362		
	<u>FLOOR FINISHES</u> <u>Fix approved granito floor tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
D	Wet areas	Sm	40		
E	Extra over for Skirtings	Lm	55		
	TOTAL CARRIED TO COLLECTION				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
A	<u><i>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i></u> To Plastered surfaces internally	Sm	52		
B	<u><i>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</i></u> 12mm thick cement and sand (1:4) wall backing to receive ceramic tiles <u><i>Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</i></u>	Sm	41		
C	Ceramic wall tiles for the Bathrooms.	Sm	41		
D	Supply and installation of Tile corner strips <u><i>Staircase stairwell</i></u> <u><i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i></u>	Lm	36		
E	Staircase wallings	Sm	15		
F	<u><i>Expansion Joints</i></u> 30mm Thick 'Flexcell' other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
G	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges <u>CEILING FINISHES</u> <u>Plastered Ceiling</u> <u><i>Rub down existing dilapidated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i></u>	Lm	60		
H	Internal ceiling soffits	Sm	11		
TOTAL CARRIED TO COLLECTION					

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>Acoustic Ceiling</u> <u>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</u>				
A	Lift Lobbies, link corridors, and washroom areas	Sm	124		
	<u>Gypsum Ceiling</u> <u>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</u>				
B	Horizontal suspended ceilings	Sm	18		
	<u>Expansion Joints</u> 30mm Thick 'Flexcell' other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
D	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	TOTAL CARRIED TO COLLECTION				
	COLLECTION				
	BROUGHT FORWARD FROM PAGE 2				
	BROUGHT FORWARD FROM PAGE 3				
	BROUGHT FORWARD FROM PAGE 4 ABOVE				
	TOTAL FOR FINISHES CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>ELEMENT NO.3</u>				
	<u>TERRANCE REPAIRS AND FLOOR FINISHES</u>				
	<u>Site Preparation & Cleaning</u>				
A	High-pressure water jet washing across the entire tile terrace floor to remove deep-seated mold, dirt, and loose biological growth.	Sm	1724		
	<u>Crack Repair & Tile Joint Sealing</u>				
B	Raking out loose, cracked mortar joints and cleaning fine cracks in the terracotta tiles using a mechanical gritted tool.	Lm	115		
C	Filling and sealing micro-cracks with an outdoor-grade, UV-resistant polyurethane or epoxy-based tile injection sealant	Lm	115		
D	Grouting prepared floor tile joints with a waterproof, weather-resistant polymer-modified cement grout to match existing tile colors	Sm	1724		
E	Apply two coats of a deep-penetrating, breathable matte sealer designed for porous terracotta to prevent future water absorption and mold growth.	Sm	1724		
	<u>Power floating finish</u>				
F	Surface preparation and cleaning	Sm	1724		
G	Repair of cracks and surface imperfections	Sm	1724		
H	Grinding and level correction	Sm	1724		
I	Supply and apply approved non-coloured dry shake floor hardener ("power coat") to existing concrete surface and mechanically power-float using rotary power trowel machine to produce a smooth, abrasion-resistant and dust-free finish, complete as directed.	Sm	1724		
J	<u>Protective concrete sealer</u> Apply UV-resistant and weatherproof penetrating concrete sealer to power-floated concrete surface including surface preparation and two-coat application to protect against moisture penetration, dusting, staining and surface deterioration, complete as directed	Sm	1724		
	<u>Parking shade</u>				
	<u>Polyurethane Insulated Sandwich Panel</u>				
K	50mm PU insulated sandwich roofing panels comprising pre-painted galvanized steel outer sheets with polyurethane insulated core, fixed onto steel purlins with approved self-drilling roofing screws, rubber washers and all necessary accessories,	Sm	113		
	<u>TOTAL FOR FINISHES</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
ELECTRICAL WORKS					
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
	i 1-way switching	No.	9		
	ii 2-way switching	No.	4		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
	i ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
	ii 18W, 1x1200mm LED fitting.	No.	21		
	iii surface mounted round LED light	No.	6		
	iv 12W LEDbulb with bulk head	No.	9		
	v Recessed COB LED kitchen ceiling light in , complete with driver, wiring in conduit, and 2-way switching system	No	8		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	21		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent	No.	20		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
	i 5A SP	No	8		
	ii 10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	30		
TOTAL OF ELECTRICAL					

	INSTALLATION CARRIED TO MAIN SUMMARY	
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ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
A	<u>SUMMARY OF WORKS</u> DEMOLITION WORKS				
B	FINISHES				
C	TERRACE RENOVATIONS				
D	ELECTRICAL WORKS				
TOTAL CARRIED TO GRAND SUMMARY SUMMARY.					

SECOND FLOOR

SECOND FLOOR					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 1</u>				
	<u>ELEMENT 01; DEMOLITIONS</u>				
A	Carefully hack out and remove existing dilapidated floor tiles in the bathroom areas and store rooms, cart away arising debris and prepare surfaces to receive new finish (ms) (approximately 40 square metres)	Sm	40		
B	Carefully demolish the existing wall tiles, fitting and fixtures in the wet areas and prepare area to receive the tiles(ms)and new fittings to approval (ms) approximately 109 square metres	Sm	109		
C	Carefully demolish the existing acoustic and gypsum ceilings in both wet areas and common areas and prepare area to receive new alucobond ceilings(ms) to approval (ms) approximately 133 square metres	Sm	133		
D	Demolish existing wall for reconfiguration of ablution area including disposal of debris and making good disturbed surfaces. <u>Staircase</u> <i><u>carefully remove existing terrazo flooring and cart away arisings from site;</u></i>	Sm	21		
E	landings	Sm	20		
F	150mm high risers	Lm	63		
G	300mm wide treads	Lm	59		
H	10mm Thick x 150 mm high skirting	Lm	46		
	TOTAL FOR DEMOLITIONS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO.2</u> <u>WALLING IN LAVATORY</u> Machine-cut stone blocks bedded and jointed in cement and sand (mix 1:3) mortar as described in:-				
A	150mm thick walling	SM	14		
	<u>FINISHES</u> <u>Floor finishes</u> <u>Fix approved granito floor tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
B	Wet areas	Sm	40		
C	Extra over for Skirtings	Lm	55		
	<u>Internal wall inishes</u> <u>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u>				
D	To Plastered surfaces internally	Sm	52		
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
E	12mm thick cement and sand (1:4) wall backing to receive ceramic tiles	Sm	41		
	<u>Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
F	Ceramic wall tiles for the Bathrooms.	Sm	41		
G	Supply and installation of Tile corner strips	Lm	36		
	<u>i.External concrete surfaces</u>				
H	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	Sm	1262		
I	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	1262		
	<u>TOTAL CARRIED TO COLLECTION</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>FACADE FINIS</u>				-
A	Repair damaged precast concrete facade fins including removal of loose concrete, treatment of corroded reinforcement, reinstatement with approved repair mortar, surface finishing and making good complete."	No	180		
B	Prepare and apply one primer coat and two coats exterior weatherproof paint on precast concrete façade fins including surface preparation and making good complete	No	180		
	<u>Staircase stairwell</u> <i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
C	Staircase wallings	Sm	15		
	<u>Expansion Joints</u>				
D	30mm Thick 'Flexcell' other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
E	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	<u>CEILING FINISHES</u>				
	<u>Plastered Ceiling</u> <i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
F	Internal ceiling soffits	Sm	11		
	<u>Acoustic Ceiling</u> <i>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</i>				
G	Lift Lobbies, link corridors, and washroom areas	Sm	124		
	<u>Gypsum Ceiling</u> <i>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</i>				
H	Horizontal suspended ceilings	Sm	18		
	CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page 2				
	Brought forward from page 3 above				
	TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT 03; DOORS AND WINDOWS</u>				
	<i>Panelled Doors</i>				
A	45mm Flush Door laminate on both side with 4 moulding architects approval overall size 900 x 2200mm(single leaf)	No	4		
	<i>All in cypress or any other equal and approved</i>				
B	150mm x 50mm door frame once rebated	Lm	21		
C	20 x 25mm high thick quadrant plugged	Lm	42		
D	40 x 25mm thick archtrave plugged.	Lm	42		
	<u>Supply and fix the following iron mongery</u>				
E	3-lever mortise door lock as "union" or any other equal and approved, with circlced handle knob.	No.	4		
F	Indicator Bolts	No.	4		
G	100mm long pressed steel butt hinges	Prs	6		
H	Ditto, double swing, ditto	Prs	2		
I	32mm diametre rubber door stop.	No.	4		
	<u>Painting and Decorating</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	To flush door surfaces	Sm	35		
	<u>Window Boards</u>				
K	Provide for sanding and Varnishing existing timber window boards to clients approval	Lm	70		
	<u>Window Reveals</u>				
L	Provide for exposing of steel metal embedded into the window reveals and treating it as directed by the engineer	Lm	28		
	TOTAL FOR DOORS AND WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 04; STAIRCASE FINISHES				
	<u>Painting and Decorating</u>				
	<i><u>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u></i>				
A	Soffits: landings	Sm	20		
B	Ditto: slopping staircases	Sm	26		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	Lm	19		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	Lm	35		
E	Ditto; stairwell walls	Sm	37		
	<u>Staircase</u>				
	<i><u>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</u></i>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	<u>Balustrading</u>				
	<i><u>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</u></i>				
J	Staircase railing	Sm	8		
K	Handrail	Lm	14		
	TOTAL FOR STAIR CASE FINISHES CARRIED TO SUMMARY				

ELECTRICAL WORKS

ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
	i 1-way switching	No.	12		
	ii 2-way switching	No.	6		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
	i ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
	ii surface mounted round LED light in corridors	No.	12		
	iii 12W LEDbulb with bulk head in washrooms	No.	10		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	41		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent with type C and USB charging port.	No.	41		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
	i 5A SP	No	8		
	ii 10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	30		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	DEMOLITION WORKS				
2	FINISHES				
3	DOORS AND WINDOWS				
4	STAIRCASE FINISHES				
5	ELECTRICALWORKS				
	TOTAL FOR SECOND FLOOR CARRIED TO MAIN SUMMARY				

THIRD FLOOR

THIRD FLOOR					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 1</u>				
	<u>ELEMENT 01; DEMOLITIONS</u>				
A	Carefully hack out and remove existing dilapidated floor tiles in the bathroom areas and store rooms, cart away arising debris and prepare surfaces to receive new finish (ms) (approximately 40 square metres)	Sm	40		
B	Carefully demolish the existing wall tiles, fitting and fixtures in the wet areas and prepare area to receive the tiles(ms)and new fittings to approval (ms) approximately 109 square metres	Sm	109		
C	Carefully demolish the existing acoustic and gypsum ceilings in both wet areas and common areas and prepare area to receive new alucobond ceilings(ms) to approval (ms) approximately 133 square metres	Sm	133		
D	Demolish existing wall for reconfiguration of ablution area including disposal of debris and making good disturbed surfaces. <u>Staircase</u> <i><u>carefully remove existing terrazo flooring and cart away arisings from site;</u></i>	Sm	21		
E	landings	Sm	20		
F	150mm high risers	Lm	63		
G	300mm wide treads	Lm	59		
H	10mm Thick x 150 mm high skirting	Lm	46		
	TOTAL FOR DEMOLITIONS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO.2</u>				
	<u>WALLING IN LAVATORY</u>				
A	Machine-cut stone blocks bedded and jointed in cement and sand (mix 1:3) mortar as described in:- 150mm thick walling	SM	14		
	<u>FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Fix approved granito floor tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
B	Wet areas	Sm	40		
C	Extra over for Skirtings	Lm	55		
	<u>Internal wall inishes</u>				
	<u>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u>				
D	To Plastered surfaces internally	Sm	52		
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
E	12mm thick cement and sand (1:4) wall backing to receive ceramic tiles	Sm	41		
	<u>Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
F	Ceramic wall tiles for the Bathrooms.	Sm	41		
G	Supply and installation of Tile corner strips	Lm	36		
	<u>i. External concrete surfaces</u>				
H	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	Sm	1262		
I	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	1262		
	<u>TOTAL CARRIED TO COLLECTION</u>				

ITEM	DESCRIPTION	UNIT	QTY		
	<u>FACADE FINIS</u>				
A	Repair damaged precast concrete facade fins including removal of loose concrete, treatment of corroded reinforcement, reinstatement with approved repair mortar, surface finishing and making good complete.”	No	180		
B	Prepare and apply one primer coat and two coats exterior weatherproof paint on precast concrete façade fins including surface preparation and making good complete	No	180		
	<u>Staircase stairwell</u> <i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
C	Staircase wallings	Sm	15		
	<u>Expansion Joints</u>				
D	30mm Thick ‘Flexcell’ other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
E	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	<u>CEILING FINISHES</u>				
	<u>Plastered Ceiling</u> <i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
F	Internal ceiling soffits	Sm	11		
	<u>Acoustic Ceiling</u> <i>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</i>				
G	Lift Lobbies, link corridors, and washroom areas	Sm	124		
	<u>Gypsum Ceiling</u> <i>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</i>				
H	Horizontal suspended ceilings	Sm	18		
	CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page 2				
	Brought forward from page 3 above				
	TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT 03; DOORS AND WINDOWS</u>				
	<i>Panelled Doors</i>				
A	45mm Flush Door laminate on both side with 4 moulding architects approval overall size 900 x 2200mm(single leaf)	No	4		
	<i>All in cypress or any other equal and approved</i>				
B	150mm x 50mm door frame once rebated	Lm	21		
C	20 x 25mm high thick quadrant plugged	Lm	42		
D	40 x 25mm thick archtrave plugged.	Lm	42		
	<u>Supply and fix the following iron mongery</u>				
E	3-lever mortise door lock as "union" or any other equal and approved, with circlced handle knob.	No.	4		
F	Indicator Bolts	No.	4		
G	100mm long pressed steel butt hinges	Prs	6		
H	Ditto, double swing, ditto	Prs	2		
I	32mm diametre rubber door stop.	No.	4		
	<i>Painting and Decorating</i>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	To flush door surfaces	Sm	35		
	<u>Window Boards</u>				
K	Provide for sanding and Varnishing existing timber window boards to clients approval	Lm	70		
	<u>Window Reveals</u>				
L	Provide for exposing of steel metal embedded into the window reveals and treating it as directed by the engineer	Lm	28		
	TOTAL FOR DOORS AND WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 04; STAIRCASE FINISHES</u>				
	<u>Painting and Decorating</u>				
	<i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
A	Soffits: landings	Sm	20		
B	Ditto: slopping staircases	Sm	26		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	Lm	19		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	Lm	35		
E	Ditto; stairwell walls	Sm	37		
	<u>Staircase</u>				
	<i>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</i>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	<u>Balustrading</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	Staircase railing	Sm	8		
K	Handrail	Lm	14		
	TOTAL FOR STAIR CASE FINISHES CARRIED TO SUMMARY				

ELECTRICAL WORKS					
ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
i	1-way switching	No.	12		
ii	2-way switching	No.	6		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
i	ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
ii	surface mounted round LED light in corridors	No.	12		
iii	12W LEDbulb with bulk head in washrooms	No.	10		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	41		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent with type C and USB charging port.	No.	41		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
i	5A SP	No	8		
ii	10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	30		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	DEMOLITION WORKS				
2	FINISHES				
3	DOORS AND WINDOWS				
4	STAIRCASE FINISHES				
5	ELECTRICALWORKS				
	TOTAL FOR THIRD FLOOR CARRIED TO MAIN SUMMARY				

FOURTH FLOOR

FOURTH FLOOR					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 1</u>				
	<u>ELEMENT 01; DEMOLITIONS</u>				
A	Carefully hack out and remove existing dilapidated floor tiles in the bathroom areas and store rooms, cart away arising debris and prepare surfaces to receive new finish (ms) (approximately 40 square metres)	Sm	40		
B	Carefully demolish the existing wall tiles, fitting and fixtures in the wet areas and prepare area to receive the tiles(ms)and new fittings to approval (ms) approximately 109 square metres	Sm	109		
C	Carefully demolish the existing acoustic and gypsum ceilings in both wet areas and common areas and prepare area to receive new alucobond ceilings(ms) to approval (ms) approximately 133 square metres	Sm	133		
D	Demolish existing wall for reconfiguration of ablution area including disposal of debris and making good disturbed surfaces. <u>Staircase</u> <i><u>carefully remove existing terrazo flooring and cart away arisings from site;</u></i>	Sm	21		
E	landings	Sm	20		
F	150mm high risers	Lm	63		
G	300mm wide treads	Lm	59		
H	10mm Thick x 150 mm high skirting	Lm	46		
	TOTAL FOR DEMOLITIONS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO.2</u>				
	<u>WALLING IN LAVATORY</u>				
A	Machine-cut stone blocks bedded and jointed in cement and sand (mix 1:3) mortar as described in:- 150mm thick walling	SM	14		
	<u>FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Fix approved granito floor tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
B	Wet areas	Sm	40		
C	Extra over for Skirtings	Lm	55		
	<u>Internal wall inishes</u>				
	<u>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:-</u>				
D	To Plastered surfaces internally	Sm	52		
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
E	12mm thick cement and sand (1:4) wall backing to receive ceramic tiles	Sm	41		
	<u>Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
F	Ceramic wall tiles for the Bathrooms.	Sm	41		
G	Supply and installation of Tile corner strips	Lm	36		
	<u>i. External concrete surfaces</u>				
H	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	Sm	1262		
I	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	1262		
	<u>TOTAL CARRIED TO COLLECTION</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>FACADE FINIS</u>				-
A	Repair damaged precast concrete facade fins including removal of loose concrete, treatment of corroded reinforcement, reinstatement with approved repair mortar, surface finishing and making good complete.”	No	180		
B	Prepare and apply one primer coat and two coats exterior weatherproof paint on precast concrete façade fins including surface preparation and making good complete	No	180		
	<u>Staircase stairwell</u> <i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
C	Staircase wallings	Sm	15		
	<u>Expansion Joints</u>				
D	30mm Thick ‘Flexcell’ other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
E	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	<u>CEILING FINISHES</u>				
	<u>Plastered Ceiling</u> <i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
F	Internal ceiling soffits	Sm	11		
	<u>Acoustic Ceiling</u> <i>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</i>				
G	Lift Lobbies, link corridors, and washroom areas	Sm	124		
	<u>Gypsum Ceiling</u> <i>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</i>				
H	Horizontal suspended ceilings	Sm	18		
	CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page 2				
	Brought forward from page 3 above				
	TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT 03; DOORS AND WINDOWS</u>				
	<i>Panelled Doors</i>				
A	45mm Flush Door laminate on both side with 4 moulding architects approval overall size 900 x 2200mm(single leaf)	No	4		
	<i>All in cypress or any other equal and approved</i>				
B	150mm x 50mm door frame once rebated	Lm	21		
C	20 x 25mm high thick quadrant plugged	Lm	42		
D	40 x 25mm thick archtrave plugged.	Lm	42		
	<u>Supply and fix the following iron mongery</u>				
E	3-lever mortise door lock as "union" or any other equal and approved, with circlced handle knob.	No.	4		
F	Indicator Bolts	No.	4		
G	100mm long pressed steel butt hinges	Prs	6		
H	Ditto, double swing, ditto	Prs	2		
I	32mm diametre rubber door stop.	No.	4		
	<i>Painting and Decorating</i>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	To flush door surfaces	Sm	35		
	<u>Window Boards</u>				
K	Provide for sanding and Varnishing existing timber window boards to clients approval	Lm	70		
	<u>Window Reveals</u>				
L	Provide for exposing of steel metal embedded into the window reveals and treating it as directed by the engineer	Lm	28		
	TOTAL FOR DOORS AND WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 04; STAIRCASE FINISHES</u>				
	<u>Painting and Decorating</u>				
	<i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
A	Soffits: landings	Sm	20		
B	Ditto: slopping staircases	Sm	26		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	Lm	19		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	Lm	35		
E	Ditto; stairwell walls	Sm	37		
	<u>Staircase</u>				
	<i>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</i>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	<u>Balustrading</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	Staircase railing	Sm	8		
K	Handrail	Lm	14		
	TOTAL FOR STAIR CASE FINISHES CARRIED TO SUMMARY				

ELECTRICAL WORKS					
ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
i	1-way switching	No.	12		
ii	2-way switching	No.	6		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
i	ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
ii	surface mounted round LED light in corridors	No.	12		
iii	12W LEDbulb with bulk head in washrooms	No.	10		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	41		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent with type C and USB charging port.	No.	41		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
i	5A SP	No	8		
ii	10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	30		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

[illegible]

FIFTH FLOOR

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>BILL NO. 1</u>				
	<u>ELEMENT or; DEMOLITIONS</u>				
A	Carefully hack out and remove existing dilapidated floor tiles in the bathroom areas and store rooms, cart away arising debris and prepare surfaces to receive new finish (ms) (approximately 40 square metres)	40	Sm		
B	Carefully demolish the existing wall tiles, fitting and fixtures in the wet areas and prepare area to receive the tiles(ms)and new fittings to approval (ms) approximately 109 square	109	Sm		
C	Carefully demolish the existing acoustic and gypsum ceilings in both wet areas and common areas and prepare area to receive new alucobond ceilings(ms) to approval (ms) approximately 219 square metres	219	Sm		
	<u>Staircase</u>				
	<u>carefully remove existing terrazo flooring and cart away arisings from site;</u>				
D	landings	20	Sm		
E	150mm high risers	63	Lm		
F	300mm wide treads	59	Lm		
G	10mm Thick x 150 mm high skirting	46	Lm		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 02; FLOOR FINISHES				
	<u>Supply and fix non slip justified full body granito floor tiles: matt finish; bedded and jointed in approved tile adhesive, including pointing with matching coloured grout; tile adhesive; aluminium edge trims and silicon joints and all other materials and laid to completion and neatly finished by specialist to regular pattern incorporating all spacers and expansion joints</u>				
A	Wet areas	42	Sm		
B	Office areas	270	Sm		
C	Extra over for Skirtings	264	Lm		
D	Carpet Tiles <u>"Belgotex - Berber Point" or other equal and approved premium grade heavy duty APS carpet tiles carpet tiles fixed to screeded surfaces (m/s) using appropriate adhesive, underfelt; aluminium edging, angle nap-locks for cable outlets and fixing accessories all to the approval of the architect.</u>				
E	10mm thick carpet floor tiles	110	Sm		
	Mahogany Skirting				
F	100 x 20mm thick wrot mahogany skirting; half splayed; fixed to wall complete with pelleting <u>Prepare surfaces one under coats and two coats of two pack polyurethane varnish to</u>	79	Lm		
G	Timber surfaces; 100 -200mm girth	79	Lm		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 03; WALL FINISHES				
	<u>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u>				
A	To Plastered surfaces internally	791	Sm		
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
B	12mm thick cement and sand (1:4) wall backing to receive ceramic tiles	52	Sm		
	<u>Supply and Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
C	Ceramic wall tiles for the Bathrooms.	52	Sm		
D	Supply and installation of Tile corner strips	36	Lm		
	<u>Staircase stairwell</u> <u>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</u>				
E	Staircase wallings	15	Sm		
	<u>Wall Padding</u> <u>The following in Padded accoustic foam wall lining to walls and doors:</u>				
F	50X50 mm sawn celcured cypress bearers; framing; plugged or nailed to walling at 600mm centers both sides	198	Lm		
G	5mm Thick plywood backing onto timber bearers (m.s)	79	Sm		
H	50mm Thick high-density Accoustic foam onto plywood	79	Sm		
I	High quality rexin fabric complete with all necessary buttons stitched to padding in approved pattern	79	Sm		
J	25mm thick wrot mahogany moulded Quadrant beading or any other equal and approved	131	Lm		
	<u>Expansion Joints</u>				
K	30mm Thick 'Flexcell' other equal and approved Expansion joint filler Including all necessary supports	3	Sm		
L	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	7	Lm		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 04; CEILING FINISHES				
	Plastered Ceiling <u>Rub down existing dilapidated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u>				
A	Internal ceiling soffits	391	Sm		
	Acoustic Ceiling <u>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</u>				
B	Lift Lobbies, link corridors, and washroom areas	209	Sm		
	Gypsum Ceiling <u>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</u>				
C	Horizontal suspended ceilings	20	Sm		
	<u>i.External concrete surfaces</u>				
D	Independent tubular steel scaffolding erected to building elevations, properly braced and tied, including platforms, guard rails, toe boards, access ladders, maintenance during use, and dismantling on completion.(Rate per meter high)	Lm	45		
E	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	SM	1121		
F	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long-life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	S.M	1121		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 05; DOORS AND WINDOWS				
	Assorted Doors Supply and Install Assorted preselected doors to clients approvals (approximately 3 doors) - washroom <u>Wrot mahogany (prime grade) or other equal and approved hardwood as described in:</u>	4	No		
A	200mm x 50mm frame ;rebated and moulded to detai	5	Lm		
B	75mm x 20mm architrave;splayed to detail	5	Lm		
C	30mm x 25mm quadrant; moulded to detail	5	Lm		
	<u>Solid timber doors</u> <u>Supply and fix 50mm thick solid mahogany timber panel door, premium quality ; all to architect's details (rate to include all the necessary fixing ironmongery)</u>				
D	800 x 2100mm - Managers Office washroom Painting and Decorating <u>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</u>	1	No		
E	To flush door surfaces	39	Sm		
F	Not exceeding 100mm wide	5	Lm		
G	100mm-200mm wide	5	Lm		
	Window Boards Provide for sanding and Varnishing existing timber window boards to clients approval	70	Lm		
	<u>Window Reveals</u> Provide for exposing of steel metal embedded into the window reveals and treating it as directed by the engineer	28	Lm		
	CARRIED TO COLLECTION				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	ELEMENT 06; STAIRCASE FINISHES				
	<u>Painting and Decorating</u>				
	<i>Rub down existing dilapidated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
A	Soffits: landings	27	Sm		
B	Ditto: slopping staircases	35	Sm		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	25	Lm		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	47	Lm		
E	Ditto; stairwell walls	37	Sm		
	<u>Staircase</u>				
	<i>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</i>				
F	landings	20	Sm		
G	150mm high risers	63	Lm		
H	300mm wide treads	59	Lm		
I	10mm Thick x 150 mm high skirting	46	Lm		
	<u>Balustrading</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	Staircase railing	8	Sm		
K	Handrail	14	Lm		
	CARRIED TO COLLECTION				

[illegible]

SIXTH FLOOR

SIXTH FLOOR					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 1</u>				
	<u>ELEMENT 01: DEMOLITIONS</u>				
A	Carefully hack out and remove existing dilapidated floor tiles in the bathroom areas and store rooms, cart away arising debris and prepare surfaces to receive new finish (ms) (approximately 40 square metres)	Sm	40		
B	Carefully demolish the existing wall tiles, fitting and fixtures in the wet areas and prepare area to receive the tiles(ms)and new fittings to approval (ms) approximately 109 square metres	Sm	109		
C	Carefully demolish the existing acoustic and gypsum ceilings in both wet areas and common areas and prepare area to receive new alucobond ceilings(ms) to approval (ms) approximately 133 square metres	Sm	133		
D	Demolish existing wall for reconfiguration of ablution area including disposal of debris and making good disturbed surfaces. <u>Staircase</u> <i><u>carefully remove existing terrazo flooring and cart away arisings from site;</u></i>	Sm	21		
E	landings	Sm	20		
F	150mm high risers	Lm	63		
G	300mm wide treads	Lm	59		
H	10mm Thick x 150 mm high skirting	Lm	46		
	TOTAL FOR DEMOLITIONS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO.2</u>				
	<u>WALLING IN LAVATORY</u>				
A	Machine-cut stone blocks bedded and jointed in cement and sand (mix 1:3) mortar as described in:- 150mm thick walling	SM	14		
	<u>FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Fix approved granito floor tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
B	Wet areas	Sm	40		
C	Extra over for Skirtings	Lm	55		
	<u>Internal wall inishes</u>				
	<u>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u>				
D	To Plastered surfaces internally	Sm	52		
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
E	12mm thick cement and sand (1:4) wall backing to receive ceramic tiles	Sm	41		
	<u>Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
F	Ceramic wall tiles for the Bathrooms.	Sm	41		
G	Supply and installation of Tile corner strips	Lm	36		
	<u>i. External concrete surfaces</u>				
H	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	Sm	1262		
I	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	1262		
	<u>TOTAL CARRIED TO COLLECTION</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>FACADE FINIS</u>				-
A	Repair damaged precast concrete facade fins including removal of loose concrete, treatment of corroded reinforcement, reinstatement with approved repair mortar, surface finishing and making good complete.”	No	180		
B	Prepare and apply one primer coat and two coats exterior weatherproof paint on precast concrete façade fins including surface preparation and making good complete	No	180		
	<u>Staircase stairwell</u> <i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
C	Staircase wallings	Sm	15		
	<u>Expansion Joints</u>				
D	30mm Thick ‘Flexcell’ other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
E	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	<u>CEILING FINISHES</u>				
	<u>Plastered Ceiling</u> <i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
F	Internal ceiling soffits	Sm	11		
	<u>Acoustic Ceiling</u> <i>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</i>				
G	Lift Lobbies, link corridors, and washroom areas	Sm	124		
	<u>Gypsum Ceiling</u> <i>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</i>				
H	Horizontal suspended ceilings	Sm	18		
	CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page 2				
	Brought forward from page 3 above				
	TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT 03; DOORS AND WINDOWS</u>				
	<i>Panelled Doors</i>				
A	45mm Flush Door laminate on both side with 4 moulding architects approval overall size 900 x 2200mm(single leaf)	No	4		
	<i>All in cypress or any other equal and approved</i>				
B	150mm x 50mm door frame once rebated	Lm	21		
C	20 x 25mm high thick quadrant plugged	Lm	42		
D	40 x 25mm thick archtrave plugged.	Lm	42		
	<u>Supply and fix the following iron mongery</u>				
E	3-lever mortise door lock as "union" or any other equal and approved, with circlced handle knob.	No.	4		
F	Indicator Bolts	No.	4		
G	100mm long pressed steel butt hinges	Prs	6		
H	Ditto, double swing, ditto	Prs	2		
I	32mm diametre rubber door stop.	No.	4		
	<i>Painting and Decorating</i>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	To flush door surfaces	Sm	35		
	<u>Window Boards</u>				
K	Provide for sanding and Varnishing existing timber window boards to clients approval	Lm	70		
	<u>Window Reveals</u>				
L	Provide for exposing of steel metal embedded into the window reveals and treating it as directed by the engineer	Lm	28		
	TOTAL FOR DOORS AND WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 04; STAIRCASE FINISHES</u>				
	<u>Painting and Decorating</u>				
	<i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
A	Soffits: landings	Sm	20		
B	Ditto: slopping staircases	Sm	26		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	Lm	19		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	Lm	35		
E	Ditto; stairwell walls	Sm	37		
	<u>Staircase</u>				
	<i>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</i>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	<u>Balustrading</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	Staircase railing	Sm	8		
K	Handrail	Lm	14		
	TOTAL FOR STAIR CASE FINISHES CARRIED TO SUMMARY				

ELECTRICAL WORKS					
ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
i	1-way switching	No.	12		
ii	2-way switching	No.	6		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
i	ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
ii	surface mounted round LED light in corridors	No.	12		
iii	12W LEDbulb with bulk head in washrooms	No.	10		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	41		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent with type C and USB charging port.	No.	41		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
i	5A SP	No	8		
ii	10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	30		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

[illegible]

SEVENTH FLOOR

SEVENTH FLOOR					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 1</u>				
	<u>ELEMENT 01; DEMOLITIONS</u>				
A	Carefully hack out and remove existing dilapidated floor tiles in the bathroom areas and store rooms, cart away arising debris and prepare surfaces to receive new finish (ms) (approximately 40 square metres)	Sm	40		
B	Carefully demolish the existing wall tiles, fitting and fixtures in the wet areas and prepare area to receive the tiles(ms)and new fittings to approval (ms) approximately 109 square metres	Sm	109		
C	Carefully demolish the existing acoustic and gypsum ceilings in both wet areas and common areas and prepare area to receive new alucobond ceilings(ms) to approval (ms) approximately 133 square metres	Sm	133		
D	Demolish existing wall for reconfiguration of ablution area including disposal of debris and making good disturbed surfaces. <u>Staircase</u>	Sm	21		
	<i><u>carefully remove existing terrazo flooring and cart away arisings from site;</u></i>				
E	landings	Sm	20		
F	150mm high risers	Lm	63		
G	300mm wide treads	Lm	59		
H	10mm Thick x 150 mm high skirting	Lm	46		
	TOTAL FOR DEMOLITIONS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO.2</u> <u>WALLING IN LAVATORY</u> Machine-cut stone blocks bedded and jointed in cement and sand (mix 1:3) mortar as described in:- 150mm thick walling	SM	14		
	<u>FINISHES</u> <u>Floor finishes</u> <u>Fix approved granite floor tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
B	Wet areas	Sm	40		
C	Extra over for Skirtings	Lm	55		
	<u>Internal wall finishes</u> <u>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u>				
D	To Plastered surfaces internally	Sm	52		
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
E	12mm thick cement and sand (1:4) wall backing to receive ceramic tiles	Sm	41		
	<u>Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
F	Ceramic wall tiles for the Bathrooms.	Sm	41		
G	Supply and installation of Tile corner strips	Lm	36		
	<u>i.External concrete surfaces</u>				
H	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	Sm	1262		
I	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permoplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	1262		
	<u>TOTAL CARRIED TO COLLECTION</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>FACADE FINIS</u>				-
A	Repair damaged precast concrete facade fins including removal of loose concrete, treatment of corroded reinforcement, reinstatement with approved repair mortar, surface finishing and making good complete.”	No	180		
B	Prepare and apply one primer coat and two coats exterior weatherproof paint on precast concrete façade fins including surface preparation and making good complete	No	180		
	<u>Staircase stairwell</u> <i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
C	Staircase wallings	Sm	15		
	<u>Expansion Joints</u>				
D	30mm Thick 'Flexcell' other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
E	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	<u>CEILING FINISHES</u>				
	<u>Plastered Ceiling</u> <i>Rub down existing dilapidated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
F	Internal ceiling soffits	Sm	11		
	<u>Acoustic Ceiling</u> <i>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</i>				
G	Lift Lobbies, link corridors, and washroom areas	Sm	124		
	<u>Gypsum Ceiling</u> <i>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</i>				
H	Horizontal suspended ceilings	Sm	18		
	CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page 2				
	Brought forward from page 3 above				
	TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT 03; DOORS AND WINDOWS</u>				
	<i>Panelled Doors</i>				
A	45mm Flush Door laminate on both side with 4 moulding architects approval overall size 900 x 2200mm(single leaf)	No	4		
	<u>All in cypress or any other equal and approved</u>				
B	150mm x 50mm door frame once rebated	Lm	21		
C	20 x 25mm high thick quadrant plugged	Lm	42		
D	40 x 25mm thick archtrave plugged.	Lm	42		
	<u>Supply and fix the following iron mongery</u>				
E	3-lever mortise door lock as "union" or any other equal and approved, with circlced handle knob.	No.	4		
F	Indicator Bolts	No.	4		
G	100mm long pressed steel butt hinges	Prs	6		
H	Ditto, double swing, ditto	Prs	2		
I	32mm diametre rubber door stop.	No.	4		
	<u>Painting and Decorating</u>				
	<u>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</u>				
J	To flush door surfaces	Sm	35		
	<u>Window Boards</u>				
K	Provide for sanding and Varnishing existing timber window boards to clients approval	Lm	70		
	<u>Window Reveals</u>				
L	Provide for exposing of steel metal embedded into the window reveals and treating it as directed by the engineer	Lm	28		
	TOTAL FOR DOORS AND WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 04; STAIRCASE FINISHES</u>				
	<u>Painting and Decorating</u>				
	<i><u>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u></i>				
A	Soffits: landings	Sm	20		
B	Ditto: slopping staircases	Sm	26		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	Lm	19		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	Lm	35		
E	Ditto; stairwell walls	Sm	37		
	<u>Staircase</u>				
	<i><u>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</u></i>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	<u>Balustrading</u>				
	<i><u>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</u></i>				
J	Staircase railing	Sm	8		
K	Handrail	Lm	14		
	TOTAL FOR STAIR CASE FINISHES CARRIED TO SUMMARY				

ELECTRICAL WORKS

ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
	i 1-way switching	No.	12		
	ii 2-way switching	No.	6		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
	i ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
	ii surface mounted round LED light in corridors	No.	12		
	iii 12W LEDbulb with bulk head in washrooms	No.	10		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	41		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent with type C and USB charging port.	No.	41		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
	i 5A SP	No	8		
	ii 10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	30		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	DEMOLITION WORKS				
2	FINISHES				
3	DOORS AND WINDOWS				
4	STAIRCASE FINISHES				
5	ELECTRICALWORKS				
	TOTAL FOR SEVENTH FLOOR CARRIED TO MAIN SUMMARY				

EIGHTH FLOOR

EIGHTH FLOOR					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 1</u>				
	<u>ELEMENT 01; DEMOLITIONS</u>				
A	Carefully hack out and remove existing dilapidated floor tiles in the bathroom areas and store rooms, cart away arising debris and prepare surfaces to receive new finish (ms) (approximately 40 square metres)	Sm	40		
B	Carefully demolish the existing wall tiles, fitting and fixtures in the wet areas and prepare area to receive the tiles(ms)and new fittings to approval (ms) approximately 109 square metres	Sm	109		
C	Carefully demolish the existing acoustic and gypsum ceilings in both wet areas and common areas and prepare area to receive new alucobond ceilings(ms) to approval (ms) approximately 133 square metres	Sm	133		
D	Demolish existing wall for reconfiguration of ablution area including disposal of debris and making good disturbed surfaces. <u>Staircase</u> <i><u>carefully remove existing terrazo flooring and cart away arisings from site;</u></i>	Sm	21		
E	landings	Sm	20		
F	150mm high risers	Lm	63		
G	300mm wide treads	Lm	59		
H	10mm Thick x 150 mm high skirting	Lm	46		
	TOTAL FOR DEMOLITIONS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO.2</u>				
	<u>WALLING IN LAVATORY</u>				
A	Machine-cut stone blocks bedded and jointed in cement and sand (mix 1:3) mortar as described in:- 150mm thick walling	SM	14		
	<u>FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Fix approved granito floor tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
B	Wet areas	Sm	40		
C	Extra over for Skirtings	Lm	55		
	<u>Internal wall inishes</u>				
	<u>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:-</u>				
D	To Plastered surfaces internally	Sm	52		
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
E	12mm thick cement and sand (1:4) wall backing to receive ceramic tiles	Sm	41		
	<u>Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
F	Ceramic wall tiles for the Bathrooms.	Sm	41		
G	Supply and installation of Tile corner strips	Lm	36		
	<u>i. External concrete surfaces</u>				
H	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	Sm	1262		
I	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	1262		
	<u>TOTAL CARRIED TO COLLECTION</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>FACADE FINIS</u>				-
A	Repair damaged precast concrete facade fins including removal of loose concrete, treatment of corroded reinforcement, reinstatement with approved repair mortar, surface finishing and making good complete.”	No	180		
B	Prepare and apply one primer coat and two coats exterior weatherproof paint on precast concrete façade fins including surface preparation and making good complete	No	180		
	<u>Staircase stairwell</u> <i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
C	Staircase wallings	Sm	15		
	<u>Expansion Joints</u>				
D	30mm Thick ‘Flexcell’ other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
E	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	<u>CEILING FINISHES</u>				
	<u>Plastered Ceiling</u> <i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
F	Internal ceiling soffits	Sm	11		
	<u>Acoustic Ceiling</u> <i>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</i>				
G	Lift Lobbies, link corridors, and washroom areas	Sm	124		
	<u>Gypsum Ceiling</u> <i>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</i>				
H	Horizontal suspended ceilings	Sm	18		
	CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page2				
	Brought forward from page 3 above				
	TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT 03; DOORS AND WINDOWS</u>				
	<i>Panelled Doors</i>				
A	45mm Flush Door laminate on both side with 4 moulding architects approval overall size 900 x 2200mm(single leaf)	No	4		
	<i>All in cypress or any other equal and approved</i>				
B	150mm x 50mm door frame once rebated	Lm	21		
C	20 x 25mm high thick quadrant plugged	Lm	42		
D	40 x 25mm thick archtrave plugged.	Lm	42		
	<u>Supply and fix the following iron mongery</u>				
E	3-lever mortise door lock as "union" or any other equal and approved, with circlced handle knob.	No.	4		
F	Indicator Bolts	No.	4		
G	100mm long pressed steel butt hinges	Prs	6		
H	Ditto, double swing, ditto	Prs	2		
I	32mm diametre rubber door stop.	No.	4		
	<i>Painting and Decorating</i>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	To flush door surfaces	Sm	35		
	<u>Window Boards</u>				
K	Provide for sanding and Varnishing existing timber window boards to clients approval	Lm	70		
	<u>Window Reveals</u>				
L	Provide for exposing of steel metal embedded into the window reveals and treating it as directed by the engineer	Lm	28		
	TOTAL FOR DOORS AND WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 04; STAIRCASE FINISHES</u>				
	<u>Painting and Decorating</u>				
	<i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
A	Soffits: landings	Sm	20		
B	Ditto: slopping staircases	Sm	26		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	Lm	19		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	Lm	35		
E	Ditto; stairwell walls	Sm	37		
	<u>Staircase</u>				
	<i>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</i>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	<u>Balustrading</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	Staircase railing	Sm	8		
K	Handrail	Lm	14		
	TOTAL FOR STAIR CASE FINISHES CARRIED TO SUMMARY				

ELECTRICAL WORKS					
ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
i	1-way switching	No.	12		
ii	2-way switching	No.	6		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
i	ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
ii	surface mounted round LED light in corridors	No.	12		
iii	12W LEDbulb with bulk head in washrooms	No.	10		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	41		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent with type C and USB charging port.	No.	41		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
i	5A SP	No	8		
ii	10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	30		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	DEMOLITION WORKS				
2	FINISHES				
3	DOORS AND WINDOWS				
4	STAIRCASE FINISHES				
5	ELECTRICALWORKS				
	TOTAL FOR EIGHTH FLOOR CARRIED TO MAIN SUMMARY				

NINETH FLOOR

NINETH FLOOR					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>BILL NO. 1</u>				
	<u>ELEMENT 01; DEMOLITIONS</u>				
A	Carefully hack out and remove existing dilapidated floor tiles in the bathroom areas and store rooms, cart away arising debris and prepare surfaces to receive new finish (ms) (approximately 40 square metres)	Sm	40		
B	Carefully demolish the existing wall tiles, fitting and fixtures in the wet areas and prepare area to receive the tiles(ms)and new fittings to approval (ms) approximately 109 square metres	Sm	109		
C	Carefully demolish the existing acoustic and gypsum ceilings in both wet areas and common areas and prepare area to receive new alucobond ceilings(ms) to approval (ms) approximately 133 square metres	Sm	133		
D	Demolish existing wall for reconfiguration of ablution area including disposal of debris and making good disturbed surfaces. <u>Staircase</u>	Sm	21		
	<i><u>carefully remove existing terrazo flooring and cart away arisings from site;</u></i>				
E	landings	Sm	20		
F	150mm high risers	Lm	63		
G	300mm wide treads	Lm	59		
H	10mm Thick x 150 mm high skirting	Lm	46		
	TOTAL FOR DEMOLITIONS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO.2				
	<u>WALLING IN LAVATORY</u>				
A	Machine-cut stone blocks bedded and jointed in cement and sand (mix 1:3) mortar as described in:- 150mm thick walling	SM	14		
	<u>FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Fix approved granito floor tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
B	Wet areas	Sm	40		
C	Extra over for Skirtings	Lm	55		
	<u>Internal wall inishes</u>				
	<u>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u>				
D	To Plastered surfaces internally	Sm	52		
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
E	12mm thick cement and sand (1:4) wall backing to receive ceramic tiles	Sm	41		
	<u>Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
F	Ceramic wall tiles for the Bathrooms.	Sm	41		
G	Supply and installation of Tile corner strips	Lm	36		
	<u>i.External concrete surfaces</u>				
H	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	Sm	1262		
I	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	1262		
	<u>TOTAL CARRIED TO COLLECTION</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>FACADE FINIS</u>				-
A	Repair damaged precast concrete facade fins including removal of loose concrete, treatment of corroded reinforcement, reinstatement with approved repair mortar, surface finishing and making good complete.”	No	180		
B	Prepare and apply one primer coat and two coats exterior weatherproof paint on precast concrete façade fins including surface preparation and making good complete	No	180		
	<u>Staircase stairwell</u> <i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
C	Staircase wallings	Sm	15		
	<u>Expansion Joints</u>				
D	30mm Thick 'Flexcell' other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
E	20 mm x 20mm "Sealtic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	<u>CEILING FINISHES</u>				
	<u>Plastered Ceiling</u> <i>Rub down existing dilapidated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
F	Internal ceiling soffits	Sm	11		
	<u>Acoustic Ceiling</u> <i>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</i>				
G	Lift Lobbies, link corridors, and washroom areas	Sm	124		
	<u>Gypsum Ceiling</u> <i>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</i>				
H	Horizontal suspended ceilings	Sm	18		
	CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page 2				
	Brought forward from page 3 above				
	TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<u>ELEMENT 03: DOORS AND WINDOWS</u>					
<i>Panelled Doors</i>					
A	45mm Flush Door laminate on both side with 4 moulding architects approval overall size 900 x 2200mm(single leaf)	No	4		
<i>All in cypress or any other equal and approved</i>					
B	150mm x 50mm door frame once rebated	Lm	21		
C	20 x 25mm high thick quadrant plugged	Lm	42		
D	40 x 25mm thick archtrave plugged.	Lm	42		
<u>Supply and fix the following iron mongery</u>					
E	3-lever mortise door lock as "union" or any other equal and approved, with cirleed handle knob.	No.	4		
F	Indicator Bolts	No.	4		
G	100mm long pressed steel butt hinges	Prs	6		
H	Ditto, double swing, ditto	Prs	2		
I	32mm diametre rubber door stop.	No.	4		
<u>Painting and Decorating</u>					
<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>					
J	To flush door surfaces	Sm	35		
<u>Window Boards</u>					
K	Provide for sanding and Varnishing existing timber window boards to clients approval	Lm	70		
<u>Window Reveals</u>					
L	Provide for exposing of steel metal embedded into the window reveals and treating it as directed by the engineer	Lm	28		
TOTAL FOR DOORS AND WINDOWS CARRIED TO SUMMARY					

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 04; STAIRCASE FINISHES</u>				
	<u>Painting and Decorating</u>				
	<i>Rub down exisiting dilapidated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
A	Soffits: landings	Sm	20		
B	Ditto: slopping staircases	Sm	26		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	Lm	19		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	Lm	35		
E	Ditto; stairwell walls	Sm	37		
	<u>Staircase</u>				
	<i>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</i>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	<u>Balustrading</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	Staircase railing	Sm	8		
K	Handrail	Lm	14		
	TOTAL FOR STAIR CASE FINISHES CARRIED TO SUMMARY				

ELECTRICAL WORKS					
ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
	i 1-way switching	No.	12		
	ii 2-way switching	No.	6		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
	i ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
	ii surface mounted round LED light in corridors	No.	12		
	iii 12W LEDbulb with bulk head in washrooms	No.	10		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	41		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent with type C and USB charging port.	No.	41		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
	i 5A SP	No	8		
	ii 10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	30		
TOTAL OF ELECTRICAL					
INSTALLATION CARRIED TO MAIN SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	DEMOLITION WORKS				
2	FINISHES				
3	DOORS AND WINDOWS				
4	STAIRCASE FINISHES				
5	ELECTRICALWORKS				
	TOTAL FOR NINTENTH FLOOR CARRIED TO MAIN SUMMARY				

TENTH FLOOR

[illegible]

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO.2</u>				
	<u>WALLING IN LAVATORY</u>				
A	Machine-cut stone blocks bedded and jointed in cement and sand (mix 1:3) mortar as described in:- 150mm thick walling	SM	14		
	<u>FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Fix approved granito floor tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
B	Wet areas	Sm	40		
C	Extra over for Skirtings	Lm	55		
	<u>Internal wall inishes</u>				
	<u>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:-</u>				
D	To Plastered surfaces internally	Sm	52		
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
E	12mm thick cement and sand (1:4) wall backing to receive ceramic tiles	Sm	41		
	<u>Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
F	Ceramic wall tiles for the Bathrooms.	Sm	41		
G	Supply and installation of Tile corner strips	Lm	36		
	<u>i. External concrete surfaces</u>				
H	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	Sm	1262		
I	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	1262		
	<u>TOTAL CARRIED TO COLLECTION</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>FACADE FINIS</u>				-
A	Repair damaged precast concrete facade fins including removal of loose concrete, treatment of corroded reinforcement, reinstatement with approved repair mortar, surface finishing and making good complete.”	No	180		
B	Prepare and apply one primer coat and two coats exterior weatherproof paint on precast concrete façade fins including surface preparation and making good complete	No	180		
	<u>Staircase stairwell</u> <i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
C	Staircase wallings	Sm	15		
	<u>Expansion Joints</u>				
D	30mm Thick ‘Flexcell’ other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
E	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	<u>CEILING FINISHES</u>				
	<u>Plastered Ceiling</u> <i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
F	Internal ceiling soffits	Sm	11		
	<u>Acoustic Ceiling</u> <i>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</i>				
G	Lift Lobbies, link corridors, and washroom areas	Sm	124		
	<u>Gypsum Ceiling</u> <i>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</i>				
H	Horizontal suspended ceilings	Sm	18		
	CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page P/005				
	Brought forward from page P/006 above				
	TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT 03; DOORS AND WINDOWS</u>				
	<u>Panelled Doors</u>				
A	45mm Flush Door laminate on both side with 4 moulding architects approval overall size 900 x 2200mm(single leaf)	No	4		
	<i>All in cypress or any other equal and approved</i>				
B	150mm x 50mm door frame once rebated	Lm	21		
C	20 x 25mm high thick quadrant plugged	Lm	42		
D	40 x 25mm thick archtrave plugged.	Lm	42		
	<u>Supply and fix the following iron mongery</u>				
E	3-lever mortise door lock as "union" or any other equal and approved, with circlced handle knob.	No.	4		
F	Indicator Bolts	No.	4		
G	100mm long pressed steel butt hinges	Prs	6		
H	Ditto, double swing, ditto	Prs	2		
I	32mm diametre rubber door stop.	No.	4		
	<u>Painting and Decorating</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	To flush door surfaces	Sm	35		
	<u>Window Boards</u>				
K	Provide for sanding and Varnishing existing timber window boards to clients approval	Lm	70		
	<u>Window Reveals</u>				
L	Provide for exposing of steel metal embedded into the window reveals and treating it as directed by the engineer	Lm	28		
	TOTAL FOR DOORS AND WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 04; STAIRCASE FINISHES</u>				
	<u>Painting and Decorating</u>				
	<i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
A	Soffits: landings	Sm	20		
B	Ditto: slopping staircases	Sm	26		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	Lm	19		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	Lm	35		
E	Ditto; stairwell walls	Sm	37		
	<u>Staircase</u>				
	<i>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</i>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	<u>Balustrading</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	Staircase railing	Sm	8		
K	Handrail	Lm	14		
	TOTAL FOR STAIR CASE FINISHES CARRIED TO SUMMARY				

ELECTRICAL WORKS					
ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
i	1-way switching	No.	12		
ii	2-way switching	No.	6		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
i	ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
ii	surface mounted round LED light in corridors	No.	12		
iii	12W LEDbulb with bulk head in washrooms	No.	10		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	41		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent with type C and USB charging port.	No.	41		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
i	5A SP	No	8		
ii	10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	Lm	30		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	DEMOLITION WORKS				
2	FINISHES				
3	DOORS AND WINDOWS				
4	STAIRCASE FINISHES				
5	ELECTRICALWORKS				
	TOTAL FOR TENTH FLOOR CARRIED TO MAIN SUMMARY				

ELEVENTH FLOOR

ELEVENTH FLOOR					
ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	Carefully hack out and remove existing dilapidated floor tiles in the bathroom areas and store rooms, cart away arising debris and prepare surfaces to receive new finish (ms) (approximately 40 square metres)	Sm	40		
B	Carefully demolish the existing wall tiles, fitting and fixtures in the wet areas and prepare area to receive the tiles(ms)and new fittings to approval (ms) approximately 109 square metres	Sm	109		
C	Carefully demolish the existing acoustic and gypsum ceilings in both wet areas and common areas and prepare area to receive new alucobond ceilings(ms) to approval (ms) approximately 133 square metres	Sm	133		
D	Demolish existing wall for reconfiguration of ablution area including disposal of debris and making good disturbed surfaces. <u>Staircase</u>	Sm	21		
E	<u>carefully remove existing terrazo flooring and cart away arisings from site;</u> landings	Sm	20		
F	150mm high risers	Lm	63		
G	300mm wide treads	Lm	59		
H	10mm Thick x 150 mm high skirting	Lm	46		
TOTAL FOR DEMOLITIONS CARRIED TO SUMMARY					

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	ELEMENT NO.3				
	<u>WALLING IN LAVATORY</u>				
	Machine-cut stone blocks bedded and jointed in cement and sand (mix 1:3) mortar as described in:-				
A	150mm thick walling	SM	14		
	<u>FINISHES</u>				
	<u>Floor finishes</u>				
	<u>Fix approved granito floor tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
B	Wet areas	Sm	40		
C	Extra over for Skirtings	Lm	55		
	Internal wall inishes				
	<u>Prepare surface, rub down, apply filler and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</u>				
D	To Plastered surfaces internally	Sm	52		
	<u>Gauged cement, lime and sand (1:2:9) in two coats plaster steel smooth trowelled to finish</u>				
E	12mm thick cement and sand (1:4) wall backing to receive ceramic tiles	Sm	41		
	<u>Fix approved ceramic wall tiles fixed to regular pattern including bedding and jointing in cement mortar (1:4); grouting joints with approved proprietary grouting compound</u>				
F	Ceramic wall tiles for the Bathrooms.	Sm	41		
G	Supply and installation of Tile corner strips	Lm	36		
	<u>i. External concrete surfaces</u>				
H	Prepare external wall surfaces exposed to external conditions by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	Sm	1262		
I	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	Sm	1262		
	<u>TOTAL CARRIED TO COLLECTION</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>FACADE FINIS</u>				-
A	Repair damaged precast concrete facade fins including removal of loose concrete, treatment of corroded reinforcement, reinstatement with approved repair mortar, surface finishing and making good complete.”	No	180		
B	Prepare and apply one primer coat and two coats exterior weatherproof paint on precast concrete façade fins including surface preparation and making good complete	No	180		
	<u>Staircase stairwell</u> <i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
C	Staircase wallings	Sm	15		
	<u>Expansion Joints</u>				
D	30mm Thick ‘Flexcell’ other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
E	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	<u>CEILING FINISHES</u>				
	<u>Plastered Ceiling</u> <i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
F	Internal ceiling soffits	Sm	11		
	<u>Acoustic Ceiling</u> <i>Remove existing acoustic ceiling, supply and install 600 x 600 x 15mm alucobond tiles on galvanized steel T-grid suspension system, complete with all necessary fixing accessories</i>				
G	Lift Lobbies, link corridors, and washroom areas	Sm	124		
	<u>Gypsum Ceiling</u> <i>12.5mm thick gypsum plasterboard ceilings screwed to and including Donn Utrasteel (S.S) framework suspended on hangers as per details</i>				
H	Horizontal suspended ceilings	Sm	18		
	CARRIED TO COLLECTION				
	<u>COLLECTION</u>				
	Brought forward from page P/005				
	Brought forward from page P/006 above				
	TOTAL FOR FINISHES CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT 05; DOORS AND WINDOWS</u>				
	<u>Panelled Doors</u>				
A	45mm Flush Door laminate on both side with 4 moulding architects approval overall size 900 x 2200mm(single leaf)	No	4		
	<i>All in cypress or any other equal and approved</i>				
B	150mm x 50mm door frame once rebated	Lm	21		
C	20 x 25mm high thick quadrant plugged	Lm	42		
D	40 x 25mm thick archtrave plugged.	Lm	42		
	<u>Supply and fix the following iron mongery</u>				
E	3-lever mortise door lock as "union" or any other equal and approved, with circlced handle knob.	No.	4		
F	Indicator Bolts	No.	4		
G	100mm long pressed steel butt hinges	Prs	6		
H	Ditto, double swing, ditto	Prs	2		
I	32mm diametre rubber door stop.	No.	4		
	<u>Painting and Decorating</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	To flush door surfaces	Sm	35		
	<u>Window Boards</u>				
K	Provide for sanding and Varnishing existing timber window boards to clients approval	Lm	70		
	<u>Window Reveals</u>				
L	Provide for exposing of steel metal embedded into the window reveals and treating it as directed by the engineer	Lm	28		
	TOTAL FOR DOORS AND WINDOWS CARRIED TO SUMMARY				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>ELEMENT 06; STAIRCASE FINISHES</u>				
	<u>Painting and Decorating</u>				
	<i>Rub down exisiting dilapitated paint and Prepare and apply two finishing coats of Acrylic Silk Vinyl paint as 'Crown Paints' or other equal and approved manufacturer to:</i>				
A	Soffits: landings	Sm	20		
B	Ditto: slopping staircases	Sm	26		
C	Sides: sloping staircase strings 350 mm wide (extreme): cut to profile	Lm	19		
D	Vertical: edges of landings over 100 but not exceeding 200mm high	Lm	35		
E	Ditto; stairwell walls	Sm	37		
	<u>Staircase</u>				
	<i>Supply and fix 8mm Non slip "Saj Ceramics" or equal and approved granito floor tiles size 600 x 300mm : laid diagonally or as otherwise directed and fix with approved adhesive on cement and sand screed (measured separately) : bedded in cement mortar : jointed and pointed in matching colour proprietary grout; all to architect's approval</i>				
F	landings	Sm	20		
G	150mm high risers	Lm	63		
H	300mm wide treads	Lm	59		
I	10mm Thick x 150 mm high skirting	Lm	46		
	<u>Balustrading</u>				
	<i>Prepare and apply one coat of sanding sealer followed by two coats of 2 pack clear polyurethane varnish to:</i>				
J	Staircase railing	Sm	8		
K	Handrail	Lm	14		
	TOTAL FOR STAIR CASE FINISHES CARRIED TO SUMMARY				

ELECTRICAL WORKS					
ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
i	1-way switching	No.	12		
ii	2-way switching	No.	6		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
i	ceiling LED panel light 600 x 600 40watts in lobby	No.	3		
ii	surface mounted round LED light in corridors	No.	12		
iii	12W LEDbulb with bulk head in washrooms	No.	10		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	41		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent with type C and USB charging port.	No.	41		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
i	5A SP	No	8		
ii	10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	30		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
1	DEMOLITION WORKS				
2	FINISHES				
3	DOORS AND WINDOWS				
4	STAIRCASE FINISHES				
5	ELECTRICALWORKS				
	TOTAL FOR ELEVENTH FLOOR CARRIED TO MAIN SUMMARY				

TWELVETH FLOOR

TWELFTH FLOOR

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	ELEMENT NO.1				
	<u>DEMOLITION WORKS</u>				
	<u>i). Ceiling works</u>				
A	Carefully dismantle and remove existing damaged acoustic suspended ceiling framework including main runners, cross tees, hangers, brackets and all associated accessories, cart away debris from site and prepare surface to receive new suspended ceiling installation complete	SM	131		
	<u>ii.Internal surfaces</u>				
B	Carefully cut out and remove damaged sections of gypsum wall partition including affected framing members and finishes, preparing edges neatly for reinstatement works.	S.M	12		
	<u>External timber cladding</u>				
C	Carefully dismantle and remove existing timber external cladding including timber panels, battens, fixings, trims, and accessories; cart away debris from site and leave surfaces clean and ready for new works	SM	50		
	<u>External wall surfaces</u>				
D	Sand and prepare existing painted external wall surfaces by removing loose and unstable paint layers, feathering paint edges, and cleaning down surfaces to provide proper adhesion for new paint system	SM	412		
	TOTAL ELEMENT NO.1 DEMOLITION CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>ELEMENT NO.2</u> <u>WINDOWS</u> <u>Supply and install Aluminium sliding Windows with grey powder -coated frame, internal steel stiffeners, complete with 6 mm glazing, rollers, locking system, sealant, and all necessary fittings, securely fixed,and all to the approval of the Architect/Engineer.</u>				
A	550mm wide by 550mm high	No	3		
	<u>WINDOW REPAIRS</u>				
B	Stainless steel friction stay hinges complete with screws/rivets	Prs	12		
C	Aluminium window handle and locking mechanism	No	6		
D	Realign aluminium casement sash and adjust hinges for smooth operation	No	6		
E	Supply and apply clear silicone sealant around window frame and glazing	No.	6		
	<u>GLAZING</u>				
F	6mm thick glass with fixed to aluminium frames with rubber gaskets	Sm	7		
G	Clean, lubricate and test repaired window complete	N0.	6		
	TOTAL FOR ELEMENT NO. 2 WINDOWS CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>ELEMENT NO. 3</u>				
	<u>Ceiling finishes</u>				
	<u>Accoustic Ceiling and framing</u>				
A	Suspended acoustic ceiling : 600 x 600 x 15mm fine pressed mineral fibre tiles on and including concealed 'T' frame grid system : tegular edges and shallow gap trims : allow for cutting and trimming to light fittings.	Sm	131		
	<u>GYPSUM WALL FINISH</u>				
B	Supply and fix 150mm thick sound and moisture proof gypsum half hour fire rated partitions complete with and including 12.5mm thick gypsum board on both sides with rockwool infill to approval fixed on 50 x 50 x 3mm thick frame, all fixtures and fitting; erected and finished in accordance with Architect's details and manufacturer's printed instructions	SM	49		
	<u>Internal wall finishes</u>				
C	Prepare and apply one coat of Crown Penetrating Primer or equivalent ;apply one coat of Crown Undercoat or equivalent ;and one finishing coat of Crown Super Gloss/Eggshell paint or equivalent on plastered wet surfaces.	Sm	412		
D	Prepare exposed external wall surfaces by pressure washing to remove salt contamination, mould, algae, peeling paint, and loose particles; repair cracks and defective render, apply anti-fungal solution and stabilizing sealer, and leave surfaces ready for application of weather-resistant exterior paint	SM	605		
E	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long -life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	S.M	605		
	<u>Expansion Joints</u>				
C	30mm Thick 'Flexcell' other equal and approved Expansion joint filler Including all necessary supports	Lm	60		
D	20 mm x 20mm "Sealstic" or equal and approved joint filler to edge of expansion joint including raking cutting edges	Lm	60		
	Total for element No. 3 Finishes carried to summary				

ITEM	DESCRIPTION	UNIT	QTY	RATE	KSH
	<u>ELEMENT NO.4</u>				
	<u>TERRANCE REPAIRS AND FLOOR FINISHES</u>				
	<u>Site Preparation & Cleaning</u>				
A	High-pressure water jet washing across the entire tile terrace floor to remove deep-seated mold, dirt, and loose biological growth.	S.M	366		
	<u>Crack Repair & Tile Joint Sealing</u>				
B	Raking out loose, cracked mortar joints and cleaning fine cracks in the terracotta tiles using a mechanical gritted tool.	L.M	130		
C	Filling and sealing micro-cracks with an outdoor-grade, UV-resistant polyurethane or epoxy-based tile injection sealant	L.M	130		
D	Grouting prepared floor tile joints with a waterproof, weather-resistant polymer-modified cement grout to match existing tile colors	S.M	366		
E	Apply two coats of a deep-penetrating, breathable matte sealer designed for porous terracotta to prevent future water absorption and mold growth.	SM	366		
	<u>Drainage channel unblocking and repairs</u>				
F	Manually clear debris, silt, and built-up grime from the blocked drainage channel and outlet pipes at the edge of the terrace	ITEM	1		
G	Flush the drainage channel with high-pressure water to test water flow and ensure the drainage line runs completely clear	ITEM	1		
H	Apply a waterproof cementitious coating or specialized elastomeric membrane paint to the internal surface of the drainage channel to prevent leaks into the structure below	L.M	182		
	TOTAL FOR TERRACE REPAIRS AND RENOVATIONS				

ITEM	DESCRIPTION	AMOUNT(KSH)
A	<u>SUMMARY OF WORKS</u> DEMOLITION WORKS	
B	WINDOWS	
C	FINISHES	
D	TERRACE RENOVATIONS	
	TOTAL CARRIED TO GRAND SUMMARY SUMMARY.	

THIRTEENTH FLOOR

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>ELEMENT NO.1</u> <u>DEMOLITION</u> <u>i.Floor finishes</u>				
A	Hack the existing floor screed cart away debris and prepare the floor to receive new tiles.	S.M	202		
	<u>ii.Internal surfaces</u>				
B	Hack off existing cement and sand plaster from wall surfaces, including raking out loose materials, cleaning down surfaces, and carting away debris from site to approved dumping area, all to leave wall ready to receive new finish	S.M	287		
	<u>iv.Ceiling surfaces</u>				
C	Hack off existing cement and sand plaster finish from ceiling surfaces, including loosening and removing defective material, cleaning down surfaces, and carting away debris from site to approved dumping area, leaving ceiling ready to receive new finish.	S.M	138		
	TOTAL ELEMENT NO.1 DEMOLITION CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	ELEMENT NO.2				
	<u>FINISHES</u>				
	<u>i.Floor finish</u>				
A	Apply two coats cementitious waterproofing slurry; SikaTop Seal-107 or equal and approved ,on prepared surface, including cleaning, priming and curing, all as per manufacturer's instructions.	S.M	202		
B	Cement and sand (1:4) in 20mm thick screed bed finished smooth and leveling including curing.	S.M	202		
	<u>ii.Internal surfaces and concrete surfaces</u>				
C	15mm thick cement and sand(mix1:5)and lime as described in plastered surfaces trowelled smooth to receive a painting system(measured separately	S.M	287		
D	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown Silk Vinyl Emulsion paint</u> or equivalent on internal surfaces and concrete surfaces	S.M	287		
	<u>iii) EXTERNAL WALL FINISHES</u>				
E	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permacote paint</u> or equivalent on external surfaces	S.M	176		
	<u>Iv.Ceiling</u>				
F	15mm thick cement and sand(mix1:5)and lime as described in plastered surfaces trowelled smooth to receive a painting system(measured separately	S.M	138		
G	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of CrownVinyl Matt Emulsion paint or equivalent on soffits of suspended slab surfaces as before described	S.M	138		
	TOTAL ELEMENT NO.2 (FINISHES) CARRIED TO SUMMARY				

ELECTRICAL WORKS					
ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
	i 1-way switching	No.	9		
	ii 2-way switching	No.	2		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
	i Surface mounted round LED light	No.	9		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	10		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent	No.	6		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
	i 5A SP	No	8		
	ii 10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	25		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

ITM	DESCRIPTION	UNIT	QTY	RATE	KSH
	SUMMARY				
	<u>COLLECTIONS</u>				
A	DEMOLITION				
B	FINISHES				
C	ELECTRICAL				
	TOTAL CARRIED TO BUILDER'S WORK SUMMARY				

FOURTEENTH FLOOR

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>ELEMENT NO.1</u>				
	<u>DEMOLITION</u>				
	<u>i.Floor finishes</u>				
A	Hack the existing floor screed including the tank bases cart away debris and prepare the floor to receive new tiles.	S.M	206		
	<u>ii.Internal surfaces</u>				
B	Hack off existing cement and sand plaster from wall surfaces, including raking out loose materials, cleaning down surfaces, and carting away debris from site to approved dumping area, all to leave wall ready to receive new finish	S.M	134		
	<u>iv.Ceiling surfaces</u>				
C	Hack off existing cement and sand plaster finish from ceiling surfaces, including loosening and removing defective material, cleaning down surfaces, and carting away debris from site to approved dumping area, leaving ceiling ready to receive new finish.	S.M	111		
	TOTAL ELEMENT NO.1 DEMOLITION CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>ELEMENT NO.2</u> <u>FINISHES</u>				
	<u>i.Floor finish</u>				
A	Apply two coats cementitious waterproofing slurry; SikaTop Seal-107 or equal and approved ,on prepared surface, including cleaning, priming and curing, all as per manufacturer's instructions.	SM	206		
B	Cement and sand (1:4) in 20mm thick screed bed finished smooth and leveing including curing.	S.M	206		
	<u>ii.Internal surfaces and concrete surfaces</u>				
C	15mm thick cement and sand(mix1:5)and lime as described in plastered surfaces trowelled smooth to receive a painting system(measured separately	S.M	134		
D	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown Silk Vinyl Emulsion paint</u> or equivalent on internal surfaces and concrete surfaces	S.M	134		
	<u>iii) EXTERNAL WALL FINISHES</u>				
E	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permacote paint</u> or equivalent on external surfaces	S.M	176		
	<u>iv.Ceiling</u>				
F	15mm thick cement and sand(mix1:5)and lime as described in plastered surfaces trowelled smooth to receive a painting system(measured separately	S.M	111		
G	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of CrownVinyl Matt Emulsion paint or equivalent on soffits of suspended slab surfaces as before described	S.M	111		
	<u>Staircase finishes</u>				
H	Cement and sand (mix1:4) in 25mm thick screed bed as described in 150mm hig hrisers to receive ceramic step tiles (measured separately)	LM	18		
I	Ditto; 300mm wide treads; ditto	LM	20		
J	Ditto; landing; ditto	SM	2		
	TOTAL ELEMENT NO.2 (FINISHES) CARRIED TO SUMMARY				
	P/003				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	Supply, install and commission the following:-				
	<u>LIGHTING POINTS</u>				
1	Lighting points wired in 3x1.5 sq.mm SC PVC Copper cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors, inclusive of all accessories but without the lighting fittings and switches for:				
	i 1-way switching	No.	9		
	ii 2-way switching	No.	2		
2	<u>Lighting fittings complete with appropriate lamps as follows:-</u>				
	i Surface mounted round LED light	No.	9		
	<u>POWER POINTS</u>				
3	Power points wired in 3x2.5 sq.mm PVC SC CU cables drawn in 20mm DIA HG PVC conduits concealed in walls and floors but excluding the socket itself.	No.	10		
	<u>TWIN SOCKETS</u>				
4	13A, 230V-240V, 50-60Hz Moulded Plastic Twin socket plates as clipsal or approved equivalent	No.	6		
	<u>POWER DISTRIBUTION</u>				
5	100A, 8Way TP+N distribution board.	No	1		
6	Wall mounted cable looping box fabricated from steel sheet gauge 16, spray painted off-white colour and comprising the following:-	No.	1		
7	MCBs for item 9				
	i 5A SP	No	8		
	ii 10A SP	No	4		
8	16.0sq.mm, 4C PVC CU/PVC/SWA/PVC cable drawn 750mm underground from the meterboard to the cable looping box.	LM	25		
	TOTAL OF ELECTRICAL				
	INSTALLATION CARRIED TO MAIN SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	SUMMARY PAGE				
	<u>COLLECTIONS</u>				
A	DEMOLITION				
B	FINISHES				
C	ELECTRICAL WORKS				
	TOTAL CARRIED TO BUILDER'S WORK SUMMARY				

ROOF TOP

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>ELEMENT NO.1</u>				
	<u>DEMOLITION</u>				
	<u>i.Floor finishes</u>				
A	Hack the existing floor screed on the surfaces of the roof cart away debris and prepare the floor to receive new tiles.	S.M	206		
	<u>ii.Internal surfaces</u>				
B	Hack off existing cement and sand plaster from vent blocks surfaces, including raking out loose materials, cleaning down surfaces, and carting away debris from site to approved dumping area, all to leave wall ready to receive new finish	S.M	118		
	TOTAL ELEMENT NO.1 DEMOLITION CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>ELEMENT NO.2</u>				
	<u>FINISHES</u>				
	<u>i.Floor finish</u>				
A	Apply two coats cementitious waterproofing slurry; SikaTop Seal-107 or equal and approved ,on prepared surface, including cleaning, priming and curing, all as per manufacturer's instructions.	SM	206		
B	Cement and sand (1:4) in 20mm thick screed bed finished smooth and leveling including curing.	S.M	206		
	<u>ii.Internal surfaces and concrete surfaces</u>				
C	15mm thick cement and sand(mix1:5)and lime as described in plastered surfaces trowelled smooth to receive a painting system(measured separately	S.M	118		
D	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown Silk Vinyl Emulsion paint</u> or equivalent on internal surfaces and concrete surfaces	S.M	118		
	<u>EXTERNAL WALL FINISHES</u>				
E	Prepare and apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permaplast pure acrylic long-life emulsion paint</u> or equivalent on external surfaces and concrete surfaces	S.M	176		
	TOTAL ELEMENT NO.2 (FINISHES) CARRIED TO SUMMARY				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	SUMMARY PAGE FOR GROUND FLOOR				
	<u>COLLECTIONS</u>				
A	DEMOLITION			P/001	
B	FINISHES			P/002	
	TOTAL RENOVATION WORK FOR ROOF TOP CARRIED TO BUILDER'S WORK SUMMARY				

EXTERNAL WORKS

EXTERNAL WORKS

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ELEMENT NO. 1</u> <u>DEMOLITION WORKS</u>				
A	Demolish portion of masonry boundary wall and remove existing metal gate including posts, concrete bases, and accessories; clear debris and leave site clean to Engineer's approval.	Lm	5		
B	Hack off and remove existing external paved floor finish including concrete paving slabs, bedding mortar, jointing material, and defective screed; clean down exposed substrate and leave level and ready for new flooring system.	S.M	570		
C	Carefully dismantle existing cabro paving blocks and remove associated bedding and jointing materials including cleaning and disposal of debris, all complete to facilitate laying of new paving finish.	S.M	120		
D	Cut down and remove welded mild steel security grills from boundary wall including making good disturbed surfaces and disposal of arising debris off site.	SM	100		
	<u>TOTAL FOR DEMOLITION WORKS</u> <u>CARRIED TO SUMMARY</u>				

PROPOSED RENOVATION WORKS AT THE NSSF BUILDING MOMBASA

[illegible]

Item No	Description	Unit	Qty	Rate	Total (Kshs)
A	<u>Hardcore:-</u> 150mm thick hardcore filling hand packed and well compacted to 95% MDD	Sm	690		
B	<u>Blinding layer</u> 50mm thick quarry Dust in blinding ready to receive damp proof membrane(measured separetly)	Sm	690		
C	<u>Anti-termite treatment layer</u> Chemicalantitermite treatment as executed by Rentokil Laboratories or other equal and approved on the surfaces of hardcore.	Sm	690		
D	<u>Concrete Works:-</u> Plain concrete (1;4:8) in 50mm blinding under colour	Sm	3		
	<u>Vibrated reinforced concrete (1:2:4) in:</u>				
E	Column bases	Cm	1		
F	Column starters	Cm	1		
G	150mm thick Slab	Sm	690		
H	<u>Sawn Formwork to:-</u> Vertical sidesof columns	Sm	4		
I	Edges of slab 75 - 150mm wide	Lm	88		
	<u>Ribbed bars,mildsteel,hot rolledtoB.S4449 as described in:-</u>				
J	Off asorted bars	KG	200		
K	Steel mesh fabric reinforcement to B.S 4483 Ref.No. A142	Sm	690		
	Carried to collection				

PROPOSED RENOVATION WORKS AT THE NSSF BUILDING MOMBASA

Item No	Description	Unit	Qty	Rate	Total (Kshs)
	<u>COLLECTION:-</u> Brought forward from page P/001 Brought forward from page P/002 STRUCTURE)CARRIED TO MAIN SUMMARY				

Item No	Description	Unit	Qty	Rate	Total (Kshs)
	<u>ELEMENT NO 3:-</u> <u>REINFORCED CONCRETE</u> <u>SUPERSTRUCTURE:-</u>				
	<u>Vibrated reinforced concrete (1:2:4) in:-</u>				
A	Beams	Cm	2		
B	Columns	Cm	2		
C	100mm thick slab	Sm	5		
	<u>Sawn formwork to:-</u>				
D	Sides and soffits of Beams	Sm	16		
E	Vertical sides of columns	Sm	17		
F	soffits of slab	Sm	5		
G	Edges of slab	lm	25		
	<u>described in:-</u>				
H	Off assorted bars	KG	499		
	TOTAL OF R.C SUPERSTRUCTURE CARRIED TO SUMMARY				

Item No	Description	Unit	Qty	Rate	Total (Kshs)
A	<u>ELEMENT NO 4:-</u>				
	<u>WALLING :-</u>				
	<u>Machine cut blocks bedded and jointed in cement and sand mortar(mix1:3)as described</u>				
	200mm thick walling	Sm	8		
B	Provide and install heavy duty ornamental mild steel boundary wall grillwork fabricated from square hollow sections with spear-top vertical bars, finished with anti-corrosion treatment and gloss/powder-coated finish complete	LM	100		
C	<u>GATE</u>				
	Fabricate and fix purpose-made double-leaf mild steel gate; incorporating pedestrian gate; overall size 2600mm x 2400mm high in two equal halves; comprising of 32mm x 3mm mild steel flat bar in outline and 20mm diameter vertical mild steel rods welded on the flat bar at 100mm centres; including 2No. decorative add-on of curled flat bar each, 450mm high; complete with all ironmongery; including preparing and apply "Crown" zinc chromate red oxide primer and two finishing coats of "Crown" black paint to Architect's detail	ITEM			
D	Ditto pedestrian gate 1000mm x 2100mm	ITEM			
	TOTAL FOR ELEMENT NO. 4 (GATE) CARRIED TO SUMMARY				

Item No	Description	Unit	Qty	Rate	Total (Kshs)
A	ELEMENT NO.3				
	<u>FINISHES</u>				
	<u>PATIO</u>				
	Cement and sand (1:4) in 20mm thick screed bed to receive floor finishes (measured separately)	S.M	570		
	20mm thick first grade flamed granite tiles size 600mm x 600mm as with a slip resistant finish to the face using 'pegoland' adhesive as distributed by Saj Ceramics Ltd; including pointing in matching anti-fungal coloured cement	SM	570		
C	<u>External wall surfaces</u>				
	skim apply one coat of Crown Penetrating Primer or equivalent; apply one coat of Crown Undercoat or equivalent; and two finishing coats of <u>Crown permacote paint</u> or equivalent on external surfaces	S.M	370		
D	<u>EXTERNAL PAVEMENT</u>				
	<u>Concrete paving as manufactured by Bamburi Special products Ltd or equal and approved</u>				
E	60mm thick heavy-duty interlocking concrete paving blocks "Uni-paver" design having a minimum compressive strength of 35 N/mm ²	SM	120		
	Supply and install concrete kerbs to act as edge restraint	LM	88		
	<u>TOTAL FOR FINISHES</u>				

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	SUMMARY PAGE FOR EXTERNAL WORKS				
	<u>COLLECTIONS</u>				
A	DEMOLITION				
B	SUB-STRUCTURE WORKS				
C	REINFORCED CONCRETE SUPER STRUCTURE				
D	WALLING AND GATE				
E	FINISHES				
	TOTAL FOR EXTERNAL WORKS CARRIED TO MAIN SUMMARY SUMMARY				

BUILDERS WORK

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>MAIN SUMMARY</u>				
A	BASEMENT				
B	MEZZANINE				
C	GROUND FLOOR PARKING				
D	GROUND FLOOR				
E	FIRST FLOOR				
F	SECOND FLOOR				
G	THIRD FLOOR				
H	FOURTH FLOOR				
I	FIFTH FLOOR				
J	SIXTH FLOOR				
K	SEVENTH FLOOR				
L	EIGHTH FLOOR				
M	NINETH FLOOR				
N	TENTH FLOOR				
O	ELEVENTH FLOOR				
P	TWELFTH FLOOR				
Q	THIRTEEN FLOOR				
R	FOURTEENTH FLOOR				
S	ROOF TOP FLOOR				
T	EXTERNAL WORKS				
	TOTAL RENOVATION WORKS CARRIED TO GRAND SUMMARY				
	BW/01				

PROPOSED RENOVATIONS OF SOCIAL SECURITY HOUSE FOR NSSF AT MOMBASA
MECHANICAL WORKS

Item	Description	Qty	Unit	Rate (KShs)	Amount (KShs)
	BILL NO. 1 Sanitary Fittings, Plumbing and Drainage				
	Sanitary Fittings Supply, deliver, install, test and commission the following sanitary appliances complete with all the accessories including all connections to the services, waste, jointing to water supply overflows, supports and all plugging and screwing to walls and floors. Note: (i) All sanitary fittings shall be in approved colour. (ii) The Model and Ref No. indicated is only a guide to the type and quality of fittings. (iii) Equivalent and Approved models may be acceptable.				
A	Water Closet (WC) Suite White vitreous china low level washdown action with open flushing rim W.C. pan. As "Twyford" Classic H.O with horizontal outlet, fixing screws and mastic.	55	No.		
B	Water Closet (WC) Suite Close-coupled water closet suite in White colour complete with horizontal outlet to BS 3402 with 7.5 litre valveless ceramic cistern and fittings including siphon, 15mm diameter bottom inlet ball valve, 20mm diameter side overflow, plastic flush bend, inlet connection, Chrome plated lever and heavy plastic seat and cover with chrome plated hinges. As DURAVIT standard, model for high end office toilet or approved equivalent.	8	No.		
C	Water Closets - Pans Squatting water closet suite in vitreous china comprising of water closet bowl with top plate and integral foot threads, S-trap connector, plastic flush pipe and inlet connector. All to be as "Twyfords Oriental" or approved equivalent.	22	No.		
D	WC flush Valve - Concealed 1 1/4" (32mm) toilet flush valve - concealed back entry type, chrome plated, rough brass with integral vacuum breaker, non-return valve and control stop, with pushfork and chrome plated push button assembly comprising the following elements:- 1 No. Flushvalve, brass coated 1No. Push button assembly, chrome plated 1No. Elbow 2No. Straight flushpipe, diameter 38.2x445mm 1No. Rubber flush pipe connector As "Cobra Watertech" Model FM3.402	85	No.		
Total Carried Forward to next page					

MEC/1

Item	Description	Qty	Unit	Rate (KShs)	Amount (KShs)
Total brought forward from previous page					
A	Wash hand basin (WHB)-Counter Top Countertop wash hand basin size 635 x 500mm with one tap hole, 32mm diameter chrome plated chain waste, chain stay hole, chrome plated non-conculsive time delay press action pillar tap as Cobra model and heavy duty plastic bottle trap (32mm 'P' trap) with 75mm seal. To be of Tywfords "CAPRICORN 635" countertops washhand basin or equal and approved.	91	No.		
B	Wash hand basin (WHB)-Pedestal Pedestal wash hand basin size 575 x 500mm with one tap hole, 32mm diameter chrome plated waste, pedestal, chrome plated non-conculsive time delay press action pillar tap and heavy duty plastic bottle trap (32mm 'P' trap) with 75mm seal. To be as Twyfords "ADVENT 575" or equal and approved.	5	No.		
C	Urinal Bowls Ceramic urinal bowl complete with 40mm heavy duty plastic bottle trap and 40mm diameter chrome plated outlet with grating firmly fixed on the wall with chrome plated screws. The fittings shall be as Twyfords or equal and approved.	22	No		
D	Urinal Bowl Divisions Ceramic urinal bowl divisions separating the above described urinal bowls fixed firmly on the wall. The fittings shall be as Twyfords or equal and approved.	22	No		
E	Urinal Bowl Flush Valves 25mm urinal bowl flush valve for the above urinal bowls complete with, back entry with integral vacuum breaker, non-hold-open features and non-return valve, inlet control stop and wall plate comprising flush valve, bent chrome plated flush pipe and rubber pipe connector. The flush valve to be push button type. The fittings shall be as Docol or equal and approved.	22	No		
F	Kitchen Sink Single Bowl Single Drainer, (SBSD) stainless steel sink, size 1500x600mm, bowl size 430x420mm complete with overflow, waste fittings, plugs, chain stays and 40mm diameter plastic bottle trap with 75mm deep seal complete with a chrome plated mixer.	2	No.		
Total Carried Forward to next page					
MEC/2					

Item	Description	Qty	Unit	Rate (KShs)	Amount (KShs)
Total brought forward from previous page					
A	Toilet Roll Holder Fully recessed toilet roll holder in Vitreous China of size 165 x 165mm in approved colour as Twyfords or equal and approved.	107	No.		
B	Toilet Brush and Holder Wall mounted toilet brush holder and brush of approved colour as Ideal Standard or approved equivalent.	107	No.		
C	Mirror 6mm thick polished plate glass silver backed mirror with bevelled edges, size 900 x 800 mm, Plugged and screwed to wall with 4No. chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam.	8	No.		
D	Mirror 6mm thick polished plate glass silver backed mirror with bevelled edges, size 2100 x 800mm, Plugged and screwed to wall with 4No. chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam.	11	No.		
E	Mirror 6mm thick polished plate glass silver backed mirror with bevelled edges, size 1100 x 800 mm, Plugged and screwed to wall with 4No. chrome plated dome capped screws. The mirror shall rest against a layer of 5mm thick foam.	22			
F	Soap Dispenser Wall mounted soap dispenser with a capacity of about one litre having a press action soap release mechanism complete with fixing screws. Allow for initial soap supply. To be as Starmix or approved equivalent.	29	No.		
Total Carried Forward to next page					

MEC/3

Item	Description	Qty	Unit	Rate (KShs)	Amount (KShs)
Total brought forward from previous page					
A	Hand Driers Automatic hand drier in white colour, operating on an infra-red automatic sensing system with heating element safety cut-out complete with a 30 seconds safety timer, plastic rawl plugs and fixing screws. The hand drier to have a heating capacity of 2.1kw and performance flow rate of 135cfm (3.82m3/min) and to be of size 270x264x143mm deep It shall have a noise level below 72.5 dBA at 1.5m. It shall be as Medclinic or approved equivalent.	29	No.		
B	Hand Paper Dispenser Paper dispenser for dispensing interfolded paper tissue. The dispenser shall include a casing having a narrow dispensing slot in the bottom surface. The dispenser should have a proper mechanism to prevent excessive quantities of tissue. The paper towel dispenser shall be in approved colour.	11	No.		
C	Sanitary Bins Supply and install 20 L sanitary pedal waste bins complete with removable inner liner, tight fitting lid, corrosion resistant finish and all necessary accessories.	17	No.		
D	Paper Waste Bins Supply and install covered paper waste bins with removable inner liner and all necessary accessories.	11	No.		
E	Cleaner Sink Heavy duty sink size 465 x 410 x 285mm deep in enamelled fireclay complete with hardwood pad on the front edge and fitted bucket stainless steel grating and 20mm chrome plated wall mounted inclined bricon tap, chrome plate chain and rubber stopper and heavy gauge 40mm chrome plated bottle trap, stainless steel legs and bearers and 32mm grid waste fitting. All as Twyford "cleaners sink" or approved equivalent.	11	No.		
F	Disabled Persons Water Closet and Wash Hand Basin Facility Wheel chair accessible W.C facility Comprising of the following:- i) Close coupled W.C with 7.5 litre cistern with bottom inlet and overflow. The bowl shall be of size 375x560x420mm high. The unit shall be complete with valveless cistern fittings including syphon, 1/2" side inlet ball valve, 3/4" side overflow, plastic flush bend, inlet connector and reversible metallic chrome plated cistern lever. There shall also be a heavy duty seat (25mm high) and cover with chrome plated metal hinges, toilet roll holder, 610 x 610 x 6mm thick mirror and robe hook. ii) Semi pedestal wall mounted W.H.B of size 600x500x545mm high with flexible connectors to waste and taps. It shall have one L/H tap hole with 1/2" chrome plated lever action pillar tap, chrome plated waste with height adjustable trap, pedestal and wall fixing bolts. iii) Hinged support rail with toilet roll holder 770mm long manufactured in nylon coated aluminium and mounted on a wall fixing plate plate size 230x100 mm, 4 No 600mm grab rails with covered wall plates. The set shall be as Twyford's DOC.M wheelchair accessible W.C. facility or approved equivalent.	22	Set		
Total Carried Forward to collection page					

Item	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
	INTERNAL PLUMBING Supply, deliver and install Polypropylene Random (PP-R) 20 pipework to DIN 8077 with joints, couplings, reducers, tees, adaptors, pipe fixing clips etc all to DIN 16962 and DIN 16928 .Pipe jointing shall be by polyfusion or use of electric coupling. Where pipework is not chased proper anchoring using approved fixtures shall be done. No pipework shall be left exposed to the sun. Rates must allow for all Metal/plastic threaded adaptors where required for the connection of sanitary fixtures, valves, sockets, sliding and fixed joints, support raceways, isolating sheaths, elastic materials, expansion arms and bends, crossovers, couplings, clippings, connectors, joints etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system.				
	PPR PIPES				
A	20mm dia. Pipe cased in walls/floors and in ducts	Lm	375		
B	25mm Ditto	Lm	750		
C	32mm Ditto	Lm	375		
D	40mm Ditto	Lm	300		
E	50mm Ditto	Lm	225		
	Extra-over				
	90° Bend				
H	20mm diameter bend	No.	150		
I	25mm Ditto	No.	275		
J	32mm Ditto	No.	125		
K	40mm Ditto	No.	100		
L	50mm Ditto	No.	64		
	Equal Tees				
M	25mm diameter equal tee	No.	100		
N	32mm Ditto	No.	150		
O	40mm Ditto	No.	100		
P	50mm Ditto	No.	50		
Q	25x1/2" male threaded tee	No.	110		
Total Carried forward to next page					

Item	Description	Unit	Qty	Rate (Kshs)	Amount Kshs)
	Total brought forward from previous page				
	Reducers				
A	25x20mm diameter reducer	No.	150		
B	32x25mm Ditto	No.	100		
C	40x32mm Ditto	No.	165		
D	50x40mm Ditto	No.	70		
E	20x1/2" male threaded bend	No.	75		
	Sockets				
F	50mm diameter	No.	40		
G	40mm diameter	No.	40		
H	32mm diameter	No.	80		
I	25mm diameter	No.	65		
J	20mm diameter	No.	80		
	Gate valves				
K	50mm dia. approved medium pressure screw down full way non- rising stem wedge gate valve to BS 1952, with wheel and head joints to steel tubing. The gate valve to be as "Pegler" or approved equivalent.	No.	150		
L	40mm Ditto	No.	100		
M	32mm Ditto	No.	80		
N	25mm Ditto	No.	100		
	Unions				
O	50mm diameter	No.	33		
P	40mm diameter	No.	35		
Q	32mm diameter	No.	55		
R	25mm diameter	No.	45		
	Adaptors				
S	50mm diameter	No.	33		
T	40mm diameter	No.	35		
U	32mm diameter	No.	55		
V	25mm diameter	No.	45		
	Flexible Tubing				
W	15mm diameter x 300mm long Chrome plated flexible connectors for connecting the sanitary fitting to water supply with intergral angle valve as Cobra or equal and approved	No.	106		
	Total carried forward to collection page				

Item	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
	INTERNAL DRAINAGE Supply, deliver and fix the following uPVC soil and waste systems to BS4514 and 5225 with fittings fixed in accordance to the manufactureres printed instructions and BS 5572 and manufactured by KEY TERRAIN' as described. Pipe work shall be Medium grade (Class D). All UPVC brances, Tees, reducers etc are to be formed in accordance to the manufacturers printed instuction. The installations to have the various sizes of connectors, adaptors, sockets, reducers holdbats, clips etc as required for satisfactory functions. Prices for pipework shall include the cost for couplings, connectors and jointing to fittings appliances etc. UPVC and muPVC pipe work				
A	100mm heavy duty golden brown pipe class D	Lm	450		
B	100mm heavy duty grey pipe class D	Lm	325		
C	50mm ditto	Lm	595		
D	40mm ditto	Lm	545		
E	32mm ditto	Lm	333		
	Extra over UPVC and muPVC pipework for the following				
	Bends				
F	100mm diameter long radius bend	No.	85		
G	100mm diameter short radius bend	No.	80		
H	50mm diameter sweep bend	No.	53		
I	40mm Ditto	No.	190		
J	32mm Ditto	No.	40		
K	50mm 45° Bend	No.	28		
L	40mm 45° Bend	No.	95		
M	32mm Ditto	No.	20		
	Reducers				
N	40x32mm diameter reducer	No.	155		
O	50x40mm Ditto.	No.	75		
Total Carried forward to next page					

Item	Description	Unit	Qty	Rate (Kshs)	Amount Kshs)
	Total brought forward from previous page				
	Single Branch Connector				
A	100mm diameter single branch connector	No.	165		
	Boss Connector				
B	100x50mm Boss connector	No.	140		
C	100x40mm Ditto.	No.	20		
D	W.C. connector Bend	No.	158		
	Tees				
E	50mm diameter sweep tees	No.	75		
F	40mm Ditto.	No.	203		
	32mm Ditto.	No.	10		
	Access cap				
G	100mm access cap	No.	38		
H	50mm ditto	No.	28		
I	40mm ditto	No.	95		
J	32mm ditto	No.	10		
	Weathering Slates and Vent Cows				
K	100mm diameter vent cowl	No.	13		
L	100mm diameter weathering slate	No.	13		
	Gully Trap				
M	Gully trap chamber size 250x250mm, approximately 400mm deep in 150mm block work with cement mortar joints, on 150mm thick mass concrete slab,plastered inside, 100mm trap and hopper. 40mm thick, 250x250mm p.c.c. cover to gully trap chamber and provided with 40mm ventilating hole	No.	13		
	Floor Trap				
N	100 x 50mm diameter floor trap and grating	No.	250		
	Grease Trap				
O	Oil trap comprising of 110mm diameter cast iron gulley trap with bell mout housed in mass concrete (1;3:6/25) pad size 600x500x650mm deep and with 400mm diameter mild steel cover complete with attached chamber overall size 1600x700x1500mm deep comprising 150mm thick concrete (1:2:4/20mm.) walls all round, 100mm thick ditto partition and cover slab, 3 No. medium duty cast iron manhole covers and frames size 600x450mm wide, 3No. mild steel removable trays made of 40x3mm thick handle with ends welded to 4mm thick base plate size 450mm wide x 560mm girth, inclusive of all necessary exacavtions, backfilling, carting away remainder, frame work, plaster, paint, holes and pipe connections to sewer line.	No.	2		
	Total Carried forward to collection page				

MEC/8

BILL NO.1 COLLECTION PAGE

Item	Description	Amount (KShs)
1	Sanitary fittings	
2	Internal Plumbing	
3	Drainage	
Total Carried forward to Summary page		

MEC/9

Item	Description	Qty	Unit	Rate (Kshs)	Amount (KShs.)
	BILL NO. 2 Fire Protection Supply, deliver and install the following fire fighting equipment in positions indicated on the contract drawings or as shall be instructed by the Engineer.				
	Hose Reel System				
	Hose Reel				
A	Swinging type hosereel fitted with 30 metres long, 20 mm diameter reinforced non-kink rubber hose with 5/6 mm lever operated shut-off nozzle, mild steel feed pipe, isolation valve, guide and all other accessories as 'Angus Fire Armour' or equal and approved.	65	No.		
	GMS Pipes Class B				
B	25mm diameter pipework	75	Lm		
C	50mm diameter pipework	105	Lm		
D	65mm diameter pipework	63	Lm		
	Extra Over Pipework				
	Bends				
E	25mm diameter bend	13	No.		
F	50mm diameter bend	13	No.		
G	65mm diameter bend	13	No.		
	Tees				
H	65mm diameter equal Tee	13	No.		
I	50x25mm diameter equal Tee	13	No.		
	Reducers				
J	50 x 25 mm diameter reducer	13	No.		
K	65x50mm diameter reducer	3	No.		
	Sockets				
L	25mm diameter socket	13	No		
M	50mm ditto.	13	No		
N	65mm ditto.	7	No		
	Valves				
O	25mm diameter approved medium pressure screw down full way non-rising stem wedge gate valve to BS 1952, with wheel and head joints to steel tubing. The gate valve to be as PEGLER or approved equivalent.	13	No.		
P	65mm diameter ditto.	3	No.		
	Unions				
Q	25mm diameter pipe unions	13	No.		
R	65mm diameter pipe unions	3	No.		
Total carried to next page					

MEC/10

Item	Description	Qty	Unit	Rate (Kshs)	Amount (KShs.)
Total brought forward from page					
A	Hosereel Pumpset Hose reel pumpset, one duty, the other standby mounted on a frame with a stainless steel base plate. Each pump shall have a duty 8.2m ³ /hr. against 40m head as Grundfos model CH 8 - 65 or approved equivalent. In addition, there shall be a 100 litres diaphragm pressure vessel (as Varem or approved equivalent), pressure switches, a switch to protect dry run, 65mm foot valve and strainer, tank connections, gate valves and non-return valves. The pressure set to be as Dayliff SGH8/40 or equal and approved. Control shall be effected via a pressure switch through a pre-wired control panel which shall give automatic change-over from duty to standby pump within 5 seconds should the duty pump fail to deliver for any reason. The pumpset shall include all non-returns valves, timer, isolating valves and pipe connections.	3	Set		
B	Control Panel Control panel for the above pumps with contactors, over voltage and under voltage protection relays, MCBs, start/stop push buttons and indicators lights. All this shall be housed in a lockable cabinet (with integral isolator) made from SWG 18 stainless steel sheet that is oven powder coated. The controls shall also include a float switch or flow switch for prevention against dry running complete with its cable.	3	Item		
C	Painting Allow for painting of the hose reel pipework as per particular specifications.	3	Item		
	Portable Fire Extinguishers Supply, deliver, install, test and commission the following portable fire extinguishers and conforming to BS EN 3 / BS 1449.				
A	Carbon Dioxide Gas Fire Extinguisher 9 KG carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	95	No		
B	Carbon Dioxide Gas Fire Extinguisher 2 Kg carbon dioxide gas portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	4	No		
	Water Fire Extinguisher 9L Water portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	95	No		
	Foam Fire Extinguisher 9KG foam portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	95	No		
C	Manual Alarm Bell 9" (225mm) manual operated alarm bell (Gong)	95	No		
D	Dry Chemical Powder Fire Extinguisher 9kg dry chemical powder portable fire extinguisher complete with pressure gauge, initial charge and mounting brackets.	95	No		
E	Fire Blanket Fire blanket made of cloth woven with pre-asbestos yarn or any other fire proof material and to measure 1800 x 1210 mm. It shall be fitted with special tapes folded so as to offer instantaneous single action to release blanket from storing jacket to BS 1721.	4	No		
F	Fire Notices Allow for fire signage for the hose reel system, fire exits and fire instructions as directed by the Project Engineer.	67	No		
G	Fire exit signs	50	No		
I	Smoke detectors Supply, install, test and commission photoelectric smoke detector, complete with base, suitable for connection to addressable fire alarm systems, capable of detecting visible small particles using optical sensing chamber, operating on 24V DC supply, complete with LED indicator for alarm condition.	120	No.		
	Fire bell sound Supply, install, test of the fire bell sounds.	53	No.		
Total carried to collection page					

Item	Description	Qty	Unit	Rate (Kshs)	Amount (KShs.)
	DRY RISER INSTALLATION				
	Supply and installation the following fittings for dry riser				
A	Sheet Metal Box Inlet breeching sheet metal box with wired glass door secured with spring locks openable from inside by smashing the glass and releasing the locking devices on the lock. Approximate size to be 595 x 295 x 395mm high.	4	No.		
B	Fire Brigade Breeching Inlet 100mm diameter inlet breeching with twin inlets, each inlet consisting of a 65mm diameter male instantaneous coupling with a non-return valve and black cap secured with a short length of chain.	4	No.		
C	Landing Valve 65 mm diameter, gunmetal gate pattern landing valve with flanged inlet and female instantaneous outlet fitted with plug secured by short chains and fixed on 100mm diameter dry riser pipe.	30	No.		
D	Fire Hose 65mm diameter, 30 metres long canvas fire hose complete with branch pipe, nozzle, female instantaneous coupling head, hanging hook and other associated fittings for its proper functioning.	30	No.		
	Associated Pipework Supply and installation of Galvanized mild steel piping and fittings with screwed & socketed joint to medium grade class "B" to BS. 1387.				
	GMS Pipework				
E	100mm diameter pipe	75	Lm		
F	65mm diameter ditto	45	Lm		
G	50mm diameter ditto	8	Lm		
	Extra over Pipework				
	Bends/Elbows				
H	100mm diameter bends/elbows	15	No.		
I	65mm diameter bends/elbows	8	No.		
	Tees				
J	100 x 100 x 100mm tee	4	No.		
K	100 x 65 x 100mm tee	15	No.		
L	100 x 100 x 50mm tee	3	No.		
	Reducers				
M	100 x 65mm reducer	5	No.		
N	100 x 50mm reducer	3	No.		
	Valves				
O	65mm isolating valve with its associated unions	10	No.		
P	65mm diameter flange	10	No.		
Q	50mm automatic air release valve	3	No.		
R	Testing and Commissioning Allow for testing and commissioning of the dry riser, Hosereel and portable fire extinguishers installations to the satisfaction of the Engineer.	1	Item		
	Total carried to collection page				

FIRE SPRINKLER SYSTEM					
Supply, deliver and install the following sprinkler system as described below. All pipework and fittings in this installation to be black steel, class C heavy grade to BS. Threaded joints shall only be done for pipes of diameter 50mm and smaller. Tenderers must allow in their prices for jointings, couplings, supports, plugging and clamping, reducers, tees, nipples, mortices, pipe sleeves through structural members, etc for proper functioning of the system. Pipework 25mm ditto 32mm ditto 40mm ditto 65mm ditto 25mm diameter bend/elbow 32mm ditto 40mm ditto 65mm ditto 25mm diameter tee 32mm ditto 40mm ditto 65mm ditto 25x15mm diameter reducing bush 32x15mm diameter reducing bush 40x15mm diameter reducing bush 40x25mm diameter reducing bush 40x32mm diameter reducing bush 32x25mm diameter reducing bush 65x32mm diameter reducing bush 65x40mm diameter reducing bush Sprinkler Heads (Nozzles) Supply and install 15mm diameter automatic quick response commercial concealed fire sprinkler head and white cover with universal deflector and red bulb for 68oC (degrees Celsius) operating temperature as manufactured by Firekil International or equal and approved. The sprinkler heads shall be corrosive resistant type and suitable for fixing in commercial office spaces. Fire Pumpset Pumpset, one duty, the other standby mounted on a frame with a stainless steel base plate. Each pump shall have a duty 8.2m³/hr. against 40m head as Grundfos model CH 8 - 50 or approved equivalent. In addition, there shall be a 100 litres diaphragm pressure vessel (as Varem or approved equivalent), pressure switches, a switch to protect dry run, 65mm foot valve and strainer, tank connections, gate valves and non-return valves. The pressure set to be as Dayliff SGH8/40 or equal and approved. Control shall be effected via a pressure switch through a pre-wired control panel which shall give automatic change-over from duty to standby pump within 5 seconds should the duty pump fail to deliver for any reason. The pumpset shall include all non-returns valves, timer, isolating valves and pipe connections. Control Panel Control panel for the above pumps with contactors, over voltage and under voltage protection relays, MCBs, start/stop push buttons and indicators lights. All this shall be housed in a lockable cabinet (with integral isolator) made from SWG 18 stainless steel sheet that is oven powder coated. The controls shall also include a float switch or flow switch for prevention against dry running complete with its cable. Painting Allow for painting of the hose reel pipework as per particular specifications.		32	LM		
		24	LM		
		18	LM		
		12	LM		
		60	No.		
		44	No.		
		24	No.		
		14	No.		
		32	No.		
		24	No.		
		16	No.		
		6	No.		
		30	No.		
		25	No.		
		16	No.		
		16	No.		
		16	No.		
		16	No.		
		12	No.		
		450	No.		
		1	Set		
		1	No.		
		1	sum		
Sub-Total Carried Forward to collection page					
Total for Bill 2 carried forward to summary page					

MEC/13

COLLECTION PAGE FOR BILL NUMBER 2

ITEM	DESCRIPTION	Amount (Ksh)
1	Fire protection	
2	Dry riser system	
3	Sprinkler system	
Total for Bill 2 carried forward to summary page		

MEC/14

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Bill No. 3 Borehole Drilling NB: All measurements are provisional and are subject to re-measurements once on site.				
	Hydrological Survey				
A	Allow sum for conduction of Hydrological survey and development of Report.	1	Item		
	Drilling Permit				
B	Allow for application and acquisition of permit for drilling from relevant authorities before commencing the works (Note: No payments to be made before the permit is acquired and submitted to the Client).	1	Item		
	Mobilization/Demobilization				
C	Mobilization/demobilization of drilling unit, equipment materials, personnel and all other required supplies. This shall include erecting/dismantling of drilling unit.	1	Item		
	Allow for:				
D	(a) Supply of water and drilling fluids for drilling operations and field camp	1	Item		
E	(b) Allow for site and access route clearance	1	Item		
	Drilling				
F	Drilling of 254mm diameter borehole from the surface through all types of loose formations until a stable formation is encountered, including disposal of excavated material, taking any remedial measures to overcome caving-in, or over drilling to accommodate sloughed material and keeping drilling records as specified.	20	Lm		
G	Drilling of 225mm diameter borehole from stable formation upto 100m from the surface through all types of stable strata, including disposal of excavated material, taking any remedial measures to overcome caving-in, or over drilling to accommodate sloughed material and keeping drilling records as specified.	80	Lm		
H	Ditto but from 101-150m below surface.	50	Lm		
Sub-total carried forward to the Borehole Drilling collection page					
MEC/15					

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Allow for:				
A	(a) Reaming and boring	10	Lm		
B	(b) Supply, install and retain 254mm diameter temporary casing	10	Lm		
	Drill Cutting Samples				
C	Allow for taking of drill cuttings samples at two (2) meters intervals.	1	Item		
	Casing				
D	Supply and install of 152mm diameter plain steel (class B) casing into the borehole	100	Lm		
E	Supply and installation of 152mm diameter slotted steel (class B) casing at appointed intervals of the borehole	50	Lm		
	Case Grouting				
F	Grout between the casing and the borehole for the top ten (10) meters.	1	Item		
	Gravel Pack				
G	Supply and install 2-4mm inert quartz gravel pack in the annular space between the borehole and the casing.	4	Ton		
	Well Development				
H	Physical and chemical development of the borehole including inserting and removal of development equipment	12	Hrs		
	Constant Discharge Test				
I	Undertake a constant discharge test to ascertain borehole yield for at least 24 hours including installation and withdrawal of pumping unit and recovery measurements.	1	Item		
	Water Level Observation				
J	Undertake water level observation and record recovery	12	Hrs		
	Borehole Sterilisation				
K	Cary out borehole Sterilisation	1	Item		
Sub-total carried forward to the Borehole Drilling collection page					

MEC/16

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
A	Bacteriological and Chemical Analysis Allow for taking of samples, conduction of bacteriological and chemical analyses of the borehole water and development of the completion report.	1	Item		
B	Borehole cap and Plinth Supply and install a 152mm diameter borehole cap and construction of concrete(1:3:6) plinth size 1.0mx1.0mx1.0m around the well head.	1	Item		
C	Making Good Reinstate and make good the area surrounding the borehole on completion of drilling works.	1	Item		
Sub-total carried forward to the Borehole Drilling collection page					

MEC/17

Borehole Drilling Collection Page

Item	Description	Amount (Kshs)
A	Sub-total b/f from Page..... 1	
B	Sub-total b/f from Page..... 2	
C	Sub-total b/f from Page..... 3	
Total for Borehole Drilling Works carried forward to the Summary Page..... 9		

MEC/18

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Borehole Equipping				
	Borehole Pump				
A	Supply and install centrifugal multistage submersible borehole pump, continuously rated and capable of pumping 8m³/hr of water against a total head of 280m . The entire pump-set body, impellers, shaft etc shall be made of heavy duty stainless steel material and shall be complete with submersible cable, level controls and their cabling. The pump shall have inbuilt non-return valve, tail strainer and cable guard. The pump shall be suitable for 3- phase 415V. The pump shall be as ' GRUNDFOS SP17-27 ' or equal and approved with a maximum assembly diameter of 130mm.	1	Item		
B	Supply and install a control panel to be mounted off the wall. The control panel shall allow automatic duty operation of the pump with manual switch override. The panel to have an isolator switch indicator, indicator lights for pump status, ammeter, voltmeter, hour meter and main switch and power available light indication for the panel. The panel to also have, among other items, but not limited to: over and under voltage protection, phase failure, overload relays, connections for tank and borehole level controls, and volt free contacts for remote indication all housed in a stove baked enamel painted cabinet mounted on wall and with a plastic envelope sheathed circuit wiring diagram locked in the cabinet to approval. The panel to be as ' Dayliff ' or approved equivalent.	1	Item		
	<u>Level Control Electrodes</u>				
C	Level Control and dry run protection electrodes for the borehole complete with cabling, interconnections and connections to the control panel	1	Lot		
D	Level Control electrodes for the storage tank complete with cabling and associated accessories.	1	Lot		
	<u>Cabling</u>				
E	6mm ² 4-core PVC round hardened PVC submersible electric cable. Waterproof.	125	Lm		
F	6mm ² 4-core armoured underground electric cable to control panel	20	Lm		
Sub-total carried forward to the Borehole Equipping collection page					
MEC/19					

[illegible]

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Water Pipe				
A	Supply and install 50mm diameter rising main GMS water pipe upto the water tank, Class C.	20	Lm		
B	50mm diameter GMS bend	5	No		
C	50mm diameter GMS socket	5	No		
	Excavation				
D	Excavate trench 300mm wide and 500mm deep to lay plumbing pipes. The laid pipes to be covered with 50mm thick layers of fine soil, back filled, rammed and excess soil carted away.	20	Lm		
	Valves				
E	Supply and install 50mm diameter single orifice air valve, complete with pipe mounting accessories as 'Glenfield'.	4	No.		
F	50mm diameter gate valve as 'Pegler' or approved equivalent	2	No		
G	50mm diameter non-return valve as 'Pegler' or approved equivalent.	2	No		
H	Valve Chamber Standard precast concrete valve chamber of size 450 x 450 x 450mm deep made of concrete (1:3:6) base, including formwork, excavations backfilling and disposal.	4	No		
I	Allow for 3-phase electric power to conduct the necessary tests for the borehole equipment on site.	1	Item		
J	Allow for testing and commissioning of the entire borehole installation to approval	1	Item		
K	Allow for preparation and submission of operation and maintenance manuals including all circuit diagrams for the installations to be submitted in 3 copies all to approval.	1	Item		
L	Any other item necessary to complete the works (please specify).				
Sub-total carried forward to the Borehole Equipping collection page..... 8					

MEC/21

Borehole Equipping Collection Page

Item	Description	Amount (Kshs)
A	Sub-total b/f from Page..... 5	
B	Sub-total b/f from Page..... 6	
C	Sub-total b/f from Page..... 7	
Total for Borehole Drilling and Equipping Works carried forward to the Summary		

MEC/22

Borehole Drilling and Equipping Works Summary Page

Item	Description	Amount (Kshs)
A	Borehole Drilling sub-total b/f from Page..... 4	
B	Borehole Equipping sub-total b/f from Page..... 8	
C	Water Treatment Equipment Reverse Osmosis three stage water treatment module capable of 0.4m ³ /hr output with corrosion proof housing units. The module to be fully equiped with Pedrollo pumps including pressure tank ,switch and control panel for automatic operation. The module to come complete with base frame mounting,all piping connections and control accessories including pressure gauge and flow meter. The module to be as DAYLIFF PRO4 or equal and approved	
D	Contingency sum to be used at the directions of the Project Mech. Engineer	
E	Project supervision sum to be used at the directions of the Project Mech. Engineer	
Total for Borehole Drilling and Equipping Installation Works Carried Forward to Main Summary page		
MEC/23		

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
Bill No 4: Water Storage and Booster Pumps					
HIGH AND LOW LEVEL WATER TANKS					
High Level Water Tank					
A	Supply, deliver and Assemble a High level water tank, made of Galvanised pressed steel sectional tank plates 6mm thick plates and of size 1220mm x 1220mm. Capacity of Tank to be 114,000 litres and of preferred dimensions 8540mm x 3660mm x 3660mm. The Tank to come complete with tank cover, mosquito proof inspection vent, internal stays, jointing material, bolts and nuts including applying two coats of non-toxic bituminous paint on the inside and two coats of aluminum paint on the outside. The tank to rest on existing RC dwarf walls	2	No.		
B	Level regulator	1	No.		
C	Water level indicator	1	No.		
D	Internal ladder	1	No.		
E	External ladder	1	No.		
Low Level Water Tank					
F	Assemble a low level water Tank made of Galvanised pressed steel sectional tank plates 6mm thick plates and of size 1220mm x 1220mm. Capacity of Tank to be 114,000 litres and of preferred dimensions 8540mm x 3660mm x 3660mm. The Tank to come complete with tank cover, mosquito proof inspection vent, internal stays, jointing material, bolts and nuts including applying two coats of non-toxic bituminous paint on the inside and two coats of aluminum paint on the outside. The tank to rest on RC dwarf walls to be erected by the contractor.	1	No.		
G	Water level indicators (one in litres, other in gallons)	2	No.		
H	Internal ladder	1	No.		
I	External ladder	1	No.		
J	Level regulator	1	No.		
K	100x8mm thick steel plate	70	Lm		
Total Carried Forward to collection page					
MEC/24					

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Valves				
A	50mm dia. high pressure gate valve with wheel and jointing to tubing	6	No.		
	Non-Return Valves				
B	50mm dia. flanged non-return valve	3	No.		
	Booster Pumps				
C	Supply, deliver and install electrically driven twin booster pumps capable of delivering 6.3 litres/sec against a total static head of 30metres with a 3-phase power source. The pump to be as GRUNDFOS model CR 15-3 or equal and approved equivalent pumps to be installed on an anti-vibration mounted platform.	1	Set		
D	Supply, deliver and install a control panel with removable front access cover, motor control gear, internal buttons with automatic change over "running" and "trip" neon lights control system, overload, protection, power surge protection, button for change from automatic to manual operation plus any other necessary controls	Sum	Item		
	Allow for electrical works wiring and fitting to pumps, control panel and float switches from Isolator provided by others.	Sum	Item		
	Pipework				
E	50mm dia. gms pipe	120	Lm		
	80mm dia.- ditto-	120			
	Bends/Elbows				
F	50mm dia. Bend/Elbows	10	No.		
G	80mm dia. – ditto –	10	No.		
	Tees				
H	50mm dia.	10	No.		
	100x50mm dia.	10	No.		
I	Allow for sterilization including flushing out water and chlorine to the satisfaction of the Engineer	Sum	Item		
J	Allow for setting to work, testing and commissioning of the whole system to the satisfaction of the Engineer.	Sum	Item		
Total Carried Forward to collection page					
MEC/25					

COLLECTION PAGE FOR HIGH AND LOW LEVEL WATER TANKS

Item	Description	Amount (KShs.)
A	total for high and low water tank	
B	Valves	
	Total for High and Low Level Water Tanks	
MEC/26		

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	<u>Air Conditioning and Mechanical ventilation</u> SPLIT AIR CONDITIONING SYSTEM				
	Supply, deliver, install, test and commission the following split type AC system. The indoor unit shall be FLOOR STANDING or High Wall type air-cooling unit. The air conditioning unit shall be supplied complete with room thermometer, room thermostat controls, Drainage pump and wireless remote control device. It shall be charged with R410A refrigerant or any other non ozone depleting refrigerant. The outdoor unit shall have matching capacity with the indoor unit. The unit shall be "LG/Samsung" Model or equal and approved. The units shall have the following capacity:				
A	Single Split Air conditioner of capacity: (18,000 Btu) with FLOOR STANDING indoor unit and equivalent outdoor unit as 'LG, or equal and approved. The rates include coper piping and pvc drainage pipe to a maximum length of 25m each.	3	No.		
B	Single Split Air conditioner of capacity: (18,000 Btu) with HIGH WALL indoor unit and equivalent outdoor unit as 'LG, or equal and approved. The rates include coper piping and pvc drainage pipe to a maximum length of 25m each.	20	No.		
C	Training Allow for training of three client personnel and two project engineers on the operation and maintenance of the air conditioning installation. The training to be structured such that the personnel will undergo a course on the working of the machines, operations, settings, trouble shooting and maintenance of the machines. This will include visits to the factory/supplier.	1	Item		
D	As-built Drawings and Maintenance Manuals Allow for preparation of as-built drawings and maintenance manuals. All these will be handed to project Engineer in three hard copies and soft copy in 8Gb flash disk	1	Item		
E	Allow for testing and commissioning of the air conditioning installations to the satisfaction of the Engineer.	1	Item		
Total Carried Forward to Collection Page					

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	<u>Mechanical Ventillation System</u> Supply, deliver, install, test and commission the following ventilation systems for toilets and offices complete with all the accessories including all connections for proper function of the system. N/B: The air supply and extract system shall be installed in all toilet spaces and basement office spaces. The systems shall have air supply fan and air extract fan. Supply and Extract Fan Aerofoil axial fan capable of extracting 0.8m³/s of air against a static pressure of 100N/m². The fan to come complete with mounting brackets, anti vibration mountings and flexible connector. Fan to be as 'WOODS' Model 15J Series or equal and approved. Or approved equivalent. Fan Control Panel A splash proof fan control panel complete with operational switches shall be installed in a room remote from the fan. It shall incorporate isolator, contactors, phase failure relay, overheat safety controls and fuses and pilot lamps to enable operating conditions to be checked. The panel shall be cut of mild steel and anodized after manufacture. It shall include volt free contacts for on-off and audible signal connection to a central indicator panel and to BMS. Supply and Extract Silencer Circular silencer casing constructed from cold formed pre-galvanized sheet steel and absorbent material of acoustic grade resin bonded mineral fibre with erosion resistant lining. Bore size 300mm. As type "B WOODS" cylindrical silencer or equal and approved. External Weather Louvres 500x400mm external weather louvers with a weather resistant external cover for fresh air inlet openings complete with galvanized coated wire mesh screen on the front face and frame and blades fabricated from extruded aluminium sections. As "FLOWLINE" or equal and approved. Electrical works Allow for electrical works including wiring and fitting from the local isolator provided by others within 10metres to the ten supply and extraction fan units.	6	No.		
		6	No.		
		6	No.		
		6	No.		
		item	Item		
Sub-Total Carried Forward to Next Page					
MEC/28					

Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	Total Brought Forward from Previous Page				0.00
	Ductwork				
A	High density pvc ductwork, 150mm in diameter, complete with joints, bracing, gaskets, supports, sleeves, stiffness, splitters, training vanes, test holes, access doors, and any other necessities necessary for the complete laying of the ductwork. Or approved equivalent.	120	Lm		
	Ceiling Diffuser				
B	Ceiling diffuser grilles size 300 x 300mm. Capable of extracting 0.8m ³ /s (800 L/s) of air while producing direct noise level of less than NR 20 at 4m distance from the terminal. As Broan-NuTone 768 or equal and approved.	52	No.		
	Balancing of the Systems				
C	The systems shall be balanced such that the room to be ventilated shall be balanced as per the designed flowrates indicated in the drawings. It will be the onus of the tenderer to make sure that the inflows are adjusted to meet these requirements.	6	Item		
	Free standing Air cooling fan:				
D	Free standing Air cooling fan: 3 speed, high tensile fan blades and powerful motor for strong air delivery. Quiet operation. Night lamp. Adjustable height, 180deg rotation control and tilting angle adjustment. Color shall be approved by the Project Engineer.	40	No.		
	Ceiling sweep fan				
E	Supply, deliver, install, test and commission the following ceiling sweep fan; Three blade ceiling fan with a sweep of 1.2 metres. The fan should be equipped with power saving inverter motor technology. The unit to be complete with all the necessary accessories and as ORIENT ELECTRIC Model or equal and approved.	25	No.		
I	Allow for factory visits and pre-supply inspection by 4No. Officers including the project Mechanical Engineer.	Sum	Sum		
	Total Carried Forward to Collection Page				

MEC/29

BILL NO .3 COLLECTION PAGE

Item	Description	Amount (KShs)			
1	Aitr Conditioning				
2	Mechanical Ventillation				
Total carried forward to Summary					
MEC/30					
Item	Description	Qty	Unit	Rate (Kshs)	Amount (Kshs)
	<u>STATIONERY</u>				
	<u>Tenderers shall price for the following stationery requirements. These shall then be delivered, upon their first demand to the Chief Mechanical Engineer (BS) immediately after the award to the successful tenderer.</u>				
A	Photocopy paper, size A4, 80g/cm ³ , White, 500 sheets	10	Ream		
B	Letter head quality paper, size A4, 80g/cm ³ , Green, 500 sheets	10	Ream		
C	Letter head quality paper, Blue, 500 Sheets as Classic or Conqueror or approved equivalent.	10	Ream		
D	Hp Laser Jet 80A/05A toner Cartridge	4	No		
E	M-8C Croos cut Paper Shredder , that can shred eight sheets per pass into 4x37mm croos cut (DIN P-4)	1	No		
F	HP ENVY 16-h1023dx Multi-Touch Laptop 13th Gen Intel Core i9-13900H 16" 16GB DDR5-5200 RAM 1TB PCIe Gen4 NVMe M.2 SSD 8GB GDDR6 Dedicated NVIDIA RTX 4060 Laptop GPU 5MP IR Webcam Dual Mics Audio by Bang & Olufsen Quad Speakers	3	No		
G	HP LaserJet Pro M479fdw. Should be able to: Print, scan, copy and fax. Preinstalled HP Black LaserJet Toner Cartridge (59A for EMEA, 58A for AMS, 76A for AP, yield ~3,000 pages).	3	No		
Total for Stationary carried forward to Summary page					
MEC/31					

SUMMARY PAGE FOR MECHANICAL WORKS

Item	Description	Amount (Ksh)
1	Bill No 1. Sanitary Fittings, Plumbing, Drainage	
2	Bill No 2. Fire Protection	
3	Bill No 3. Borehole	
4	Bill No 4. Water Storage and Booster Pumps	
5	Bill No 5. Air Conditioning and Mechanical Ventillation	
6	Stationery	
	SUB- TOTAL	
	Contingency sum to be used at the directions of the Project Mech. Engineer	
	Project supervision sum to be used at the directions of the Project Mech. Engineer	
	Total for Mechanical Works carried forward to Main Summary page	

MEC/32

ELECTRICAL WORKS

NSSF TOWERS, MOMBASA

ELECTRICAL BILL OF QUANTITIES

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Supply, install, test and commission the following:				
1	Lighting points wired in 3x1.5mm ² SC PVC/CU cables drawn in 20mm Dia HG PVC conduits for:				
	(a) One way switching	65	No		
2	10A lighting switches MK range or approved equivalent				
	(a) 1 gang 1 way	6	No		
	(b) 2 gang 2 way	8	No		
3	Lighting fittings including lamps of appropriate wattage as follows:				
a)	1x16W 1200mm LED battern with weatherproof cover	40	No		
b)	14W LED Spherical ball fitting	10	No.		
c)	150W LED Downlights IP65 rating cool light.	15	No.		
4 a)	Power points for sockets drawn in 25mm Dia PVC with 3x25mm CU cables HG conduits complete with blanking plates .	20	No		
b)	13A twin Socket plates	20	No.		
	Distribution cables				
5 a)	Sub-mains cables comprising 4 x 16mm ² SC PVC/SWA/PVC Copper cables in concealed 38mm diameter HG PVC conduits all accessories included	50	M		
b)	Cabler Tray measuring 450mm width for cable trunking	50	M		
	Distribution Boards				
6	12 Ways 200A TPN distribution board havel, chint or approved equivalent	2	No		
7	6 Ways 100A SPN Consumer Unit as Crabtree or approved equivalent	2	No		
8	The following MCBS as Crabtree or approved equivalent				
	(a) 10A SP MCB	10	No		
	(b) 20A SP MCB	10	No		
	(c) 30A SP MCB	10	No		
	(d) Blanking Cover	4	No		
9	Fire alarm system				
a)	Addressable Fire alarm panel as Menvier complete with manual and operational guide.	1	No.		
	Total Carried Forward to Next Page				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	Total Carried Forward from previous Page				
b)	Firealarm outlet point comprising wiring in 2x1.5mm ² PVC-SC-Cu fire resistant cables in concealed in 20mm diameter HG conduits. (approximately 150m)	6	No.		
c)	Smoke detector	4	No.		
d)	Heat detector	2	No.		
e)	Break glass point	2	No.		
f)	Alarm sounder	2	No.		
g)	Flashing beacon	2	No.		
10	Provide Kshs. Two hundred thousand (200,000) for Engineers CPD training programmes	1	item		
	Total for 1No. Floor				
	Total for 15No. Floors				

Main LV METERBOARD AND CABLING

Item	Description	Qty	Unit	Rate	Amount
	Supply, install, test and commission the following:				
1	Free Standing LV Mererboard constructed from powder coated heavy gauge 12SWG mild steel. The board shall be complete with housing space for 1No. KPLC ltd 3 Phase meter, space for 3 phase KPLC cut-out fuses and space for C.Ts. It shall also be complete with the following:	1	item		
i)	1000A 4P Copper Busbars				
	Incoming				
ii)	1 x 1000A 4P MCCB Incomer c/w shunt Trip				
2	Tappings				
i)	2 x 200A TP MCCB	2	No.		
ii)	144 x 100A SPN MCCB	144	No.		
iii)	75 KVAR Automatic Stepped P.F Correction Bank, complete with Capacitors, MCCB, Contactors, P.F Regulator & All other associated items & accessories.	1	No.		
iv)	3No. TPN Spareways	3	No.		
v)	3No. RYB indicators	3	No.		
vi)	Ammeter complete with selector Switch	1	Item		
vii)	Voltmeter complete with selector switch	1	Item		
3	Automatic Transfer Switch - ATS 1000A 400 - 450A, 50Hz Three phase ATS Temp -30 to +70 Alluminium material, IP66 rating Voltage protection (+/- 30%)	1	No.		
4	Main Earthing Comprising of:				
i)	Copper LATICE Mat 900 X 900 X 3MM	1	No		
ii)	25mm copper cable (5m length)	1	No		
iii)	Coupling plugs	1	lot		
5	Submain cables				
i)	Submains Cabling comprising 4C 95 mm ² PVC/SWA/PVC CU cable from the LV Meterboard to Lifts.	100	LM		
5 a)	Sub-mains cables comprising 4 x 16mm ² SC PVC/SWA/PVC Copper cables in concealed 38mm diameter HG PVC conduits all accessories included	100	M		
b)	Cable Tray measuring 600mm width	100	M		
c)	25 mm sq. 4 core PVC/SWA/PVC copper cable (provisional length)	100	M		
6	Addressable Fire alarm panel as Menvier complete with manual and operational guide.	2	No.		
	Total Amount				

Electrical Summary Page

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Electrical for main Building				
2	Main LV METERBOARD and Cabling				
4	Provide Kshs. Two Million (Kshs.2,000,000.00) for contingency to be used at the discretion of the Project Manager.				
	Total for Electrical main Works carried forward to Summary Page				

GENERATOR INSTALLATION WORKS - NSSF TOWERS, MOMBASA

SCHEDULE 1 - GENERATOR SET

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Supply, deliver to site, install, test and commission a 475KVA Prime rated, (500KVA Standby) 3 phase, 415V, 50Hz diesel generating set with a continuous power factor of 0.8 lagging. The generator set is to be complete with sound attenuated canopy and an integral base daily service fuel tank with an operational running capacity of 8 hours.	1	No.		
2	Steel exhaust pipe of not less than 14 SWG and of adequate diameter running from the generating set to the outside of the generator house	5	M		
3	Earthing of generating set to electrical engineer's approval using:				
a)	10mmsq. Copper cable	2	m		
b)	4 inch copper earth rod	1	No		
c)	Cable glands, bolts and nuts	1	lot		
d)	Fix the rod in the ground by concreting	1	item		
Total for Generator Set C/F to Summary Page					

SCHEDULE 2 - ATS and POWER CABLING

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Automatic Transfer Switch (ATS) 500A (650KVA) Automatic Change-over switch with AUTO-MANUAL positions, and shall be wired that when the switch is in AUTO position, the generator shall automatically start when there is a power failure.	1	No.		
2	Sub Mains Cables Armoured cables complete with glands and pvc sleeves: (a) 185 mm sq. 4 core PVC/SWA/PVC copper cable (provisional length)	75	M		
	(b) 2.5mm ² , 2 core, PVC/SWA/PVC copper cable (provisional length)	75	M		
3	300 x 75 mm 16SWG cable trays complete with row bolts for ceiling/wall mounting	75	M		
4	Provide Kshs. one hundred and fifty thousand (150,000) for Engineers CPD training programmes	1	item		
Total for ATS and Sub Mains cable C/F to Summary Page					

SCHEDULE 3 – AUXILIARY FUEL TANK

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Supply, deliver to site and install, to the approval of the project manager, and connect to the daily service base/belly fuel tank, an auxiliary fuel tank with level indicator and with an operational running capacity of 72 hours. The tank is to be of toughened plastic thickness of 3mm complete with stand and all interconnecting pipe work.	1	No.		
2	Supply, install, test and commission a 240V AC 50Hz fuel pump complete with DOL starter. This is to pump fuel from Auxilary tank to the base tank.	1	Item		
Auxilliary Fuel Tank Total C/F to Price Summary Page					

SCHEDULE 4: PROVISIONAL SUMS

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
1	Allow a Contingency Sum of Kshs. four Hundred Thousand (Kshs.400,000.00) to be used at the discretion of the Project Manager in consultation with the client.		Kshs.		
2	Provisional Sum of Eight hundred thousand (Kshs.800,000.00) for Project Management Expenses of airtime, stationery, transport.		Kshs.		
Provisional Sums Total C/F to Price Summary Page					

PRICE SUMMARY PAGE

ITEM	DESCRIPTION	AMOUNT
1	Schedule 2: - Generator Set	
2	Schedule 3 - ATS and Power Cabling	
3	Schedule 4 - Auxiliary Fuel Tank	
4	Schedule 5 - Provisional Sums	
	Total amount for Generator Carried to Summary Page	

ITEM	DESCRIPTION	UNIT	QTY	RATE	AMOUNT(KSH)
	<u>MAIN SUMMARY</u>				
A	ELECTRICALS				
B	GENERATOR				
	TOTAL FOR ELECTRICAL WORKS CARRIED TO GRAND SUMMARY				
	ELE/01				

PROVISIONAL SUMS

	<u>PROVISIONAL SUMS</u>				
ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	<u>PROVISIONAL SUMS</u> <u>Contingency</u>				
A	Allow a provisional sum of Ksh Ten million (Kshs 10,000,000.00) only for Contingencies to be spent in whole or in part as directed by the project Manager	ITEM			
B	Allow a provisional sum of Kenyan shillings Five million (5,000,000) for carrying out renovation works to existing refuse chute including dismantling defective components, repairs to chute lining and framework, replacement of damaged hopper doors and ironmongery, cleaning and disinfection, repainting, testing and reinstatement of all disturbed finishes, complete as directed	ITEM			
C	Allow a provisional sum of Kenya shillings Two million (ksh 2,000,000) for supply, erection, maintenance and dismantling of scaffolding required for execution of the works, including all necessary standards, ledgers, boards, braces, ties, working platforms, access ladders, safety rails and compliance with safety regulations, complete as directed by the Project Manager	ITEM			
	<u>Total Provisional Sums carried to Grand Summary</u>				
	PS				

Proposed renovation works at the national Social Security Fund building Mombasa			
ITEM	DESCRIPTION	Page No.	K.SHS.
	<u>GRAND SUMMARY</u>		
A	PARTICULAR PRELIMINARIES	From Page PP/10	
B	GENERAL PRELIMINARIES	From Page GP/11	
C	BUILDER'S WORKS	From Page BW/01	
D	MECHANICAL WORKS	From Page MEC/32	
E	ELECTRICAL WORKS	From page ELE/01	
F	PROVISIONAL SUMS	From Page PS/1	
	TOTAL (VAT INCLUSIVE)		
AMOUNT IN WORDS;.....			
.....			
Tenderer's signature and stamp.....			
.....			
Address.....			
.....			
Date			
.....			
Address:			
.....			
Date:			
.....			