

Clause 60 CERTIFICATES AND PAYMENT

Delete sub-clauses (1) to (3) inclusive and substitute the following:-

Mobilization Advance

(1) On the written request of the Contractor the Employer will after the signing of the Contract make an advance payment of 10 (ten) percent of the Contract Price provided that the Contractor furnishes at his own expense a guarantee or bond acceptable to the Employer which shall be in addition to the Performance Bond to be provided under Clause 10 hereof from a recognised bank in Mauritius for the repayment on demand of the whole or any outstanding balance of the said advance.

Payment of Mobilization Advance

(2) The advance to be made under sub-clause (1) hereof shall be recovered by deducting twenty percent from each Interim Payment to be made to the Contractor monthly in accordance with sub-clause 60(8) hereof until the whole of the advance has been recovered. The first deduction shall be made in the Interim Payment in which the certified value reaches twenty percent of the contract price. The repayment of the said advance shall be in the same currencies as those in which they are drawn.

Advances for Materials on Site

(3) (a) Advances will be made to the Contractor by the Employer in respect of any unused materials provided by the Contractor for use in the Permanent Works and delivered on to the Site where they are to be used to the following extents where applicable.

(a) In cases where there are items in the Bills of Quantities billed on a "Provide" basis these shall be valued at 75 (seventy-five) percent of Bill Rates, and

(b) In cases where there are items in the Bill of Quantities bill on a "Provide and Fix" or "Provide and Place" basis these shall be valued at 50 (fifty) percent of Bill Rates. The total advance to be made to the Contractor in respect of unused materials at any one time shall not exceed 5 (five) percent of the Contract Price.

Advances on materials shall continue throughout the period of execution of the Works except that no advance shall be made on any material which in the opinion of the Engineer has been brought on to the Site prematurely or is not properly stored or is in excess of the quantities required to complete the Works or is not in accordance with the requirements of the Contract. The payment of any sum by way of advance on any material shall not prejudice the right of the Engineer subsequent to reject such material.

The Contractor shall furnish to the Engineer such records, invoices, vouchers or other documents as the Engineer may require for determining the quantities of materials and the values thereof for the purposes of making the said temporary advances.

The said advances will be included in the Certificates give in accordance with sub-clause (5) of this Clause and will be paid without retention.

Monthly Statement for Certificate Purposes

(4) The Contractor shall submit to the Engineer after the end of each month six signed copies of a Statement showing the amounts to which the Contractor may consider himself to be entitled up to the end of the month in respect of :-

- (a) The permanent work executed,
- (b) any unused materials intended for the permanent work delivered on to the Site relevant to sub-clause (3) hereof,

(c) Temporary Works executed and Constructional Plant on to the Site for which separate items are provided in the Bill of Quantities,

(d) any work for which Lump Sum or Provisional Sum items are provided in the Bill of Quantities, and/or

(e) any other amount due and payable in accordance with the provisions of the Contract.

The rates and prices in such monthly statements shall be those in the priced Bill of Quantities insofar as such rates and prices are applicable.

The Contractor shall furnish to the Engineer such vouchers and returns as to values and other documents as the Engineer may require for the proper checking of the monthly statement.

The monthly statement shall be prepared on printed forms supplied by and at the expense of the Contractor and the style of such forms shall be as the Engineer shall approve. The statements shall be prepared in English.

Monthly Payments

(5) The Employer will pay to the Contractor monthly on the Certificate of the Engineer's Representative the aggregate of (a) and (b) below less all payments previously made under this sub-clause and the amount for retention and repayment of advances.

(a) The estimated contract value of the permanent work executed up to the end of the previous month together with such amount as the Engineer may consider proper on account of unused materials intended to form part of the permanent work delivered on to the Site and such amount as the Engineer may consider fair and reasonable for any Temporary Works executed on the Site for which separate items are provided in the priced Bill of Quantities and in respect of any Lump Sums included in the priced Bill of Quantities subject, so far as regards the value of permanent work executed on the

Site and such amounts allowed for any Temporary Works or Lump Sums, to a retention of the percentage named in the Appendix to the Tender until the amount so retained reaches the Limit of Retention Money named in the Appendix after which no further deduction shall be made, and

(b) the Mobilization Advance and Advances on Materials for the Permanent Work and such other amounts due as the Contract provides shall be paid net without retention.

Provided always that the Employer shall not make an Interim Payment if the amount thereof would be less than the minimum amount of Interim Payments stated in the Tender after deducting all sums due and payable to the Employer by the Contractor under the Conditions of Contract set out above but before deducting the repayments in sub-clause (2).

Such Interim Payments shall be made within 45 (forty-five) days of the receipt by the Employer of the Monthly Statement referred to in sub-clause (4) of this Clause and the Certificate of the Engineer.

Statement of Final Account

(6) On or before the expiration of the Period of Maintenance the Contractor shall submit to the Engineer a Statement of Final Account showing in detail in the form approved by the Engineer the value of all works executed under the Contract. After examining and approving such Final Account the Engineer shall forward it to the Employer with the Final Payment Certificate which shall record the approved value of all works executed and other sums which shall be due to the Contractor and the aggregate amount of all advances previously made and the Employer shall pay to the Contractor the balance, subject to the deductions of such sums as may be due to the Employer whether for liquidated damages or otherwise, within 60 (sixty) days of the date of such Final Payment Certificate.

Retention Money

(7) Notwithstanding the rules for payment, 10 (ten) percent of the certified instalment shall be retained as retention money.

One half of the retention money shall become due on the date of issue of the Certificate in which the Engineer shall certify the Works have been substantially completed and shall be paid to the Contractor within 60 (sixty) days of such date. The balance of the retention money shall be paid to the Contractor within 60 (sixty) days after the expiration of the Period of Maintenance provided that if at such date the Final Account for the whole of the Works inclusive of all claims shall not have been submitted to the Engineer the Employer shall be entitled to withhold one-half of such balance of retention money until the Engineer shall have received the final account inclusive of all claims. Provided also that if at the date of the expiration of the Period of Maintenance there shall remain to be executed by the Contractor any works ordered during the Period of Maintenance pursuant to Clauses 49 and 50 hereof the Employer shall be entitled to withhold payment until the completion of such works of so much of the balance of the retention money as shall in the opinion of the Engineer represent the cost of the work so remaining to be executed in the time. If the Engineer shall certify that any part of the Works has been completed before the whole of the Works the retention money shall mean such portion thereof as shall in the absence of agreement be apportioned thereto by the Engineer.

Delay in Payment

(8) In the event of failure of the Employer to make payment to the Contractor in accordance with the provisions of sub-clauses (5), (6) and (7) of this Clause he shall pay to the Contractor interest at the rate of 5 (five percent) per annum upon all sums unpaid from the date on which the same should have been made unless the delay in payment is caused by fault of the Contractor.

Correction and Withholding of Certificates

(9) The Engineer may by any certificate make any correction or modification in any previous certificate which shall have been issued by him and shall have the power to withhold any certificate if the Works or any part thereof are not being carried out to his satisfaction.

Currency of Payments

(10) The currency of account shall be the Mauritius Rupee and for the purposes of the Contract conversion between Mauritius Rupees and the other currencies stated in the Tender shall be made in accordance with the Table of Exchange Rates in Appendix to Tender.

The rate and the fraction to be paid in foreign currency shall remain fixed for the duration of the Contract.

The Contractor shall attach a schedule describing in full the manner in which such foreign currencies shall be used, specifically for :-

- (a) foreign currency for salaried overseas staff directly employed for the Works,
- (b) social charges, insurance premiums and medical care related to such staff and travel expenses between Mauritius and the country of origin,
- (c) a list of imported materials and equipment needed for the works; excluding fuel, oil, other petrol products, cement, steel reinforcement, which are considered to be locally available,
- (d) insurances and freight charges for imported materials and equipment, inclusive of spare parts, and
- (e) overhead expenses and financial charges incurred outside Mauritius.

Conversion between the currencies stated in such Table other than the Mauritius Rupee shall be made at rates of exchange determined by use of the relative rates of exchange between such currencies and the Mauritius Rupee set out therein.

Unless otherwise agreed by the Employer the total amount paid in fully convertible Mauritius Rupees shall at no time exceed the total requirements stated in the Tender.

All costs incurred in converting such convertible currency into other currencies and all costs in transferring such convertible currency to accounts outside Mauritius shall be at the Contractor's expense.

Clause 68 NOTICES

(1) The Contractor must maintain an office and registered address in Mauritius during the period of the Contract. Any notice to be given to the Contractor under the terms of the Contract shall be served by sending the same by post or delivering the same to the aforementioned registered address in Mauritius.

(2) Any notice to be given to the Employer or to the Engineer under the terms of the Contract shall be served by sending the same by post or delivering the same to the respective addresses so nominated.

Clause 70 CHANGES IN COSTS AND LEGISLATION

Delete sub-clause (1) and (2) inclusive and substitute the following.

Variation in Wages and Allowances

(1) If by reason of any Act, Ordinance or other legislation having the force of law, or in order to conform with practice among good employers generally or in the district where the Works are being carried out, there shall, during the period of the Contract, be any increase or decrease in the wages or the rates of wages or in the allowances or rates of allowances (including allowances in respect of holidays) payable to or in respect of labour (except labour for which a lump sum is provided) prevailing at the reference date or any increase in the amount payable by the Contractor by virtue of or in respect of any Scheme of State Insurance, which increase or decrease shall result in an increase or decrease of cost to the Contractor in carrying out the works, the net increase or decrease of cost shall form in addition to or deduction from the Contract Price as the case may be and be paid to or allowed by the Contractor accordingly.

Variation in Prices of Materials

(2) If after the reference date there shall be any increase to or decrease from the ruling market price of any of the materials (and whether for permanent or temporary works) named and priced in the Appendix to the Bill of Quantities "List of Basic Prices" and purchased by the Contractor at ruling market prices in Mauritius which increase or decrease shall result in an increase or decrease of cost to the Contractor in carrying out the Works during the period of the Contract, the net increase or decrease of cost shall form and addition to or deduction from the Contract Price as the case may be and be paid to or allowed by the Contractor accordingly.

Reimbursement to Contractor

(3) If any Act, Ordinance or other legislation shall after the date of Tender be formally applied to the Contract or become compulsorily applicable thereto, the Employer will reimburse to the Contractor the net extra cost of the Works occasioned by compliance therewith.

Notice by Contractor

(4) The Contractor shall as soon as is practicable after any such increase or decrease as is mentioned in sub-clause (1) and (2) hereof becomes effective give written notice thereof to the Engineer.

Clause 73 TAXATION

This Clause is added to the General Conditions.

Giving of Notices and Payment of Taxes and Fees

The Contractor and his staff shall be liable to pay all income or other taxes and Custom Duties as required by regulations which may be in force during the period of the Contract.

Except for the right-of-way acquisition which will be furnished and paid for by the Employer, the Contractor shall give all notices to the Engineer and pay all fees required to be given or paid by any Statute Ordinance or other Law or any Regulation By-law of any local or other duly constituted authority in relation to the execution of the Works or of any Temporary Works and by the rules and regulations of all public bodies and companies whose property or rights are affected or may be affected in any way by the Works or any Temporary Works. Provided always that the Employer shall repay or allow to the Contractor all such fees (if any) as the Engineer shall certify to have been properly payable and paid by the Contractor in respect of the use or occupation of land by the Works or Temporary Works within the boundary of the Site.

Clause 74 NON-LIABILITY, PERSONAL

This Clause is added to the General Conditions.

Neither the Prime Minister nor any member or officer of the Employer nor the Engineer nor any of his or their employees shall be in anyway personally bound or liable for the acts or obligations of the Employer under this Contract or answerable for any default or omission in the observance or performance of any of the acts, matters or things which are herein contained.

Clause 75 EXPENDITURE FOR CONTRACT

This Clause is added to the General Conditions.

"The Contractor shall not make any expenditure for the purposes of the Contract in the territories of any country which is not approved by the Employer nor shall he make any expenditure for goods produced in or services supplied from such territories."

Clause 76 REGULATIONS AND IMMIGRATION LAWS

This Clause is added to the General Conditions.

The Contractor, before tendering for the work, shall acquaint himself with all regulations in respect of import of plants and equipments, material and labour regulations regarding fiscal taxes, custom duties, registration duties, transfer of capital, etc., and all regulations regarding the importation of unskilled and skilled labour, supervisory staff and other personnel for the execution of the work and shall comply with the said regulations.

The Contractor shall also examine and ascertain the Conditions of Works, labour availability of materials, the nature of site, etc. before tendering for the work.

No claim by the Contractor for additional payment will be entertained by the Employer on the grounds of any misunderstanding or misapprehension in respect of any such matter or otherwise.

Clause 77 MISCELLANEOUS

This Clause is added to the General Conditions.

Cyclones

With reference to Clause 21 hereof cyclones shall be considered as a "cause arising" and shall not be regarded as an "excepted risk".

Specific Grounds for Cancellation of Contract

The Employer shall be entitled to cancel the Contract and recover from the Contractor the amount of any loss resulting from such cancellation if the Contractor shall have offered or given or agreed to give to any person any bribe, gift, commission or consideration of any kind as an inducement or reward for doing or forbearing to do or having done or forborne to do any action in relation to obtaining or executing the Contract or any other contract with the Employer or for showing of forbearing to show favour or disfavour to any person in relation to the Contract or any other contract with the Employer.

Special Requirements

The Contractor shall not make requests for transferring currency for individuals of foreign nationality directly engaged in the execution of the works, neither for requests of transferring social charges, insurance premiums and medical care and travel expenses for the same.

The Contractor will be required at any moment and on simple request from the Employer or from the Bank of Mauritius to give any explanation regarding the utilisation of foreign currencies which has been disposed by the tenderer. The Bank of Mauritius reserves the right to examine and control all propositions made by the Contractor and to check all conventions already made between the Contractor and the Bank of Mauritius in order to avoid double usage of expenses made in foreign currency.

Material Fee of Custom Duties

Notwithstanding the stipulations of the Clause 73, the following materials required for the permanent work may be imported without payment of Mauritius Customs Duties upon certification of the necessary documents by the Employer following submission of invoice and shipping documents for those materials by the Contractor. The Employer may direct to the Contractor the submission of the breakdown sheet for such invoices as to deduct the relevant cost due to the exemption of custom duties from the Contract Prices.

- (a) Bitumen and Asphalt
- (b) Bridge bearings
- (c) Guardrails
- (d) Metal parapets for bridges
- (e) Prestressing wires and strands
- (f) Laboratory equipment
- (g) Bridge loading test instruments and apparatus
- (h) Electrical cables, equipment, fittings and lighting poles
- (i) Structural steel materials for bridgework
- (j) Cat's eye
- (k) Chatter bar
- (l) Any other materials the Employer may approve before Tender

BILLS OF QUANTITIES

NOTES ON THE BILLS OF QUANTITIES

1 GENERAL

1.1 The Bill of Quantities and the following Notes on the Bill of Quantities are to be read in conjunction with the Conditions of Contract, Specifications, Schedules and the Drawings. Insofar as these Notes on the Bills of Quantities may affect the execution and pricing of the work they shall be deemed to form part of the Conditions of Contract.

1.2 The Bill of Quantities have been drawn up generally in accordance with the Standard Method of Measurement of Civil Engineering Quantities published by the Institution of Civil Engineers, London. Any special methods of measurement used are stated at the head of, or in the text of, the Bill of Quantities for the trades or items affected. All other items are measured net in accordance with the drawings and no allowance has been made for waste; the cost of such waste will be deemed to be covered by the rates and prices.

1.3 Each item of the Bill of Quantities shall have a separate rate or price. Items against which no price is entered will be deemed to be covered by the other rates or prices in the Bill of Quantities. No new items are to be added to the annexed Bill of Quantities, nor are any alternations to be made thereto, without the express, prior, written instruction or permission of the Engineer.

1.4 The quantities given in the Bill of Quantities for the various items are approximate only and are given to provide a common basis for tendering. The basis of payment will be the actual quantities of work ordered and carried out and approved, as measured by the Engineer and valued at the rates or prices quoted in the Bill of Quantities where applicable, or at rates or prices based thereon or analogous thereto,

and otherwise at such rates or prices as the Engineer may fix within the terms of the Contractor.

1.5 General directions and descriptions of work and materials are not necessarily repeated in the Bill of Quantities and reference is to be made to the Conditions of Contract, Specifications, Schedules and Drawings for this information.

1.6 The rates and prices entered in the Bill of Quantities shall be inclusive of all costs incurred in any manner whatsoever in complying with the provisions of the Contract, whether or not such items are specifically described in the Bill of Quantities, including the cost of all ancillary work and materials not separately measured in the Bill of Quantities but which may reasonably be implied to be necessary by the Specifications, Bill of Quantities or Drawings, or may reasonably be inferred to be necessary therefrom, or which are usual or essential to the completion of the work concerned.

1.7 The rates and prices shall include for the cost of carrying out work adjacent to, over, or in water and the rates and prices shall be deemed to include for such conditions whether or not specifically mentioned in the Specifications or Bill of Quantities of shown on the Drawings.

1.8 The Contract is subject to the annexed Conditions of Contract and Specifications and the rates and prices entered in the Bill of Quantities shall provide for compliance with all the provisions of the said Conditions and Specifications.

1.9 The Contractor shall be deemed to have visited the Site before preparing his Tender and to have examined for himself the conditions under which the work will proceed and all other matters affecting the carrying out of the Works and the cost thereof.

1.10 Provisional Sums and prime cost items (if any) are to be dealt with as described in the Conditions of Contract, Specifications and the Bills of Quantities.

1.11 All thicknesses stated are minimum finished and compacted thicknesses and the prices shall include for any extra thickness necessary to obtain these minima.

2 CONTRACT PRICE

2.1 The Contract Price shall comprise two complementary elements (a) General Items excluding any costs expenses or charges directly attributable to the work at site and (b) remuneration for the actual quantities of work carried out at the site at the rates and prices as named by the contractor when tendering, which rates and prices shall not include any cost, expense, charge or other element covered by the sum for General Items.

2.2 In the following Bills of Quantities a sum shall be included in relevant item of General Items comprising the following, together with any overhead charges and allowances for profit on the same:

- (a) Preparing plant for the mobilization and from the site - Pay Item A03.02
- (b) Taking the plant to and bringing it back from the site, including all other costs, expenses and charges whatsoever in connection with or arising out of the mobilization not including Construction Plant Insurance required in Clause 21 of the Conditions of Contract - Pay Item A03.02
- (c) Hire of the plant during preparation and the mobilization - Pay Item A03.02

- (d) Putting the plant into working order on arrival at the site and dismantling the same on completion of works - Pay Item A03.02
- (e) Costs and expenses in connection with sending out Site Staff, their repatriation, outfit, inoculations and other medical expenses, passports, passages, salaries or wages while travelling, insurance, living and all other costs, expenses and allowances whatsoever other than whilst at the site - Pay Item A03.04
- (f) All initial expenditures such as provision and transport of cars for staff, temporary buildings such as offices or stores or huts and all other costs not depending on the quantity of measured work - Pay Item A03.01

2.3 The rates and prices shall cover all site costs, overhead charges and all costs, charges and expenditure whatsoever (other than as included in the sum for General Items) together with any allowance for profit thereon. The Tenderer shall furnish, and submit to the Engineer if requested at the time of Tender, such breakdown sheets as to detail the subdivision of cost element for each Work Item and which cost element of rate or price for Work Item is covered by items of General Items.

2.4 The sum for General Items, together with the total payments for the work actually carried out calculated at the appropriate rate or rates or price or prices named in the Bill of Quantities shall be deemed to constitute the full payment due to the Contractor for all the work to be performed by him and all the duties, liabilities, obligations and responsibilities of the Contractor under the Contract.

3 DAYWORKS

3.1 Daywork shall be executed on the basis of Labour, Materials and Plant only. Work shall only be executed with the express approval of the Engineer.

3.2 The amount payable for the Labour element shall be based on the appropriate rate for each workmen employed on Daywork, as specified hereof, PLUS the "percentage addition" entered to cover the items set out in the followings.

- (a) Holidays with pay,
- (b) Site supervision and staff,
- (c) The use of small tools, such as picks, shovels, barrows, trowels, ladders, hand saws, buckets, trestles, hammers, chisels and all items of a like nature,
- (d) Overhead and profit, and
- (e) Costs of complying in all respects with laws relating to employment of labour.

Overtime when authorised by the Engineer and chargeable to Dayworks will be paid for in the same proportion as that paid to the workmen.

Proof of the appropriate classification of each workman employed on Daywork is required to be provided to the satisfaction of the Engineer or his Representative.

Should the Contractor find it necessary during the period of the Contract to employ a workman in a category which is not included in the Schedule he shall submit a rate for same to the Engineer for his approval and fixing, giving such information as the Engineer may require. The Engineer's decision on such rate(s) shall be final.

The cost of watching necessitated solely and wholly by the execution of Daywork shall be paid for at the appropriate rate in the Schedule.

3.3 The amount payable for Materials used in Dayworks shall be the cost of the materials delivered to Site as specified PLUS a "percentage addition" entered to cover all establishment charges and profit.

The rates and/or prices for materials shall cover for delivery at the usual points at which materials are received on site and not distribution

to the individual sites where Daywork is in progress. The cost of such distribution will be chargeable in addition.

The cost of internal haulage on the site will be paid for in addition at the appropriate Daywork rates for labour, lorry hire, etc.

The "Cost of Materials" means the invoiced price of materials delivered to site without deduction of any cash discounts not exceeding 2.5 %.

The cost of lighting specifically necessitated by Daywork will be paid for separately.

3.4 The amount payable for the Construction Plant and Equipment on a daywork basis shall be inclusive of fuel and consumable stores, overhead and profit, maintenance servicing, wages of operators, and all other costs, expenses and charges applicable.

4 TEMPORARY WORKS

The costs of all temporary works whatsoever other than as included in the Pay Item A03.02 of General Item of Bill of Quantities shall be included in the Contractor's rates and prices entered in the priced Bill of Quantities for the work to which they relate.

5 COVERING UP AND PROTECTING

The Pay Item A03.05 of General Items of Bills of Quantities shall include all the costs for covering up and protecting the Works from damage, for shifting, altering and adapting such protection as may be required and for clearing away at completion.

6 BRITISH STANDARDS

The abbreviation "BS" if used in the Bill of Quantities shall mean "British Standard" issued by the British Standards Institution, London, and reference to a particular British Standard shall mean reference to the latest edition or revision of that Standard at the date of the Tender.

7 APPROVED, ESTABLISHED, DIRECTED SELECTED, ETC.

The terms "Approved", "Established", or "Selected", or similar terms, used in the Bill of Quantities refer to the approval, establishment, direction or selection, or similar action by the Engineer.

8 ABBREVIATIONS

<u>Abbreviation</u>	<u>Meaning</u>
ha	Hectare
t	Tonne
kg	Kilogramme
m ³ or m ³	Cubic meter
m ² or m ²	Square meter
m	Meter
cm	Centimeter
mm	Milimeter
km	Kilometer
nr	Number

<u>Abbreviation</u>	<u>Meaning</u>
h	Hour
min or min.	Minute
∅ 150	Diameter 150 mm
H	Height

Note: Abbreviations for lighting installation works shall be referred to the relevant Drawings.

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "A"</u>					
	<u>GENERAL ITEMS</u>					
	To be read in conjunction with PART 1 of the Specification					
A01.	<u>Contractual Requirements</u>					
01	Allow for the Performance Bond required in accordance with Clause 10 of the Conditions of Contract	Lump sum				
02	Allow for the Insurance of the Works etc. required in accordance with Clause 21 of the Conditions of Contract	Lump sum				
03	Allow for the Third Party Insurance required in accordance with Clause 23 of the Conditions of Contract					
04	Allow for the Insurance in respect of Accident or Injury to Workmen required in accordance with Clause 24 of the Conditions of Contract	Lump sum				
A02.	<u>Specific Requirements</u>					
01	Allow for offices and attendance for the Engineer in accordance with sub-clause 109.01 of the Specification	Lump sum				
02	Allow for the installation of telephone for the Engineer in accordance with sub-clause 109.02 of the Specification	Lump sum				
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
03	Allow for employing and paying to the Engineer's junior staff in accordance with sub-clause 109.03 of the Specification - Laboratory Technicians	Man month	36			
04	As Item A02.03 but for Typists	Man month	36			
05	As Item A02.03 but for Clerks	Man month	36			
06	As Item A02.03 but for Levellers	Man month	72			
07	As Item A02.03 but for Chainmen	Man month	72			
08	As Item A02.03 but for Common-Labourers	Man month	108			
09	As Item A02.03 but for Watchmen	Man month	72			
10	Allow for the transport for the Engineer in accordance with sub-clause 109.04	Vehicle month	72			
11	Excess over 2,000 km per month per vehicles in connection with Pay Item A02.10	km	12,000			
12	Allow for the field testing laboratory in accordance with Part 10 and Clause 110 of the Specification	Lump sum				
13	Allow for the Bridge Loading Test for specific bridges in accordance with Clause 130 of the Specification	Lump sum				
14	<u>Prime Cost Basis</u> Allow for the supervision cost of the Engineer in accordance with Clause 2 of Conditions of Contract	Lump sum			6,000,000	00
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
A03.	<u>Method-related Charges</u>					
01	Allow for supply, erection, maintenance and removal of all necessary offices, first aid, welfare and other accommodation for the Contractor's staff and employees throughout the duration of the Contract and all other labour costs <u>not included elsewhere in the Contract Prices.</u>	Lump sum				
02	Allow for all temporary access roads and all other temporary works, constructional plant and charges of any nature whatsoever required for the completion of the Contract and <u>not included elsewhere in the Contract Prices.</u>	Lump sum				
03	Allow for the setting out of the works including all labour instruments, tools and materials in accordance with Clause 17 of the Conditions of Contract and Clause 115 of the Specification	Lump sum				
04	Allow for the superintendence of the works in accordance with Clause 15 of the Conditions of Contract <u>not included elsewhere in the Contract Prices.</u>	Lump sum				
05	Allow for protecting the works including watchmen, lighting and all other safety precautions	Lump sum				
06	Allow for the public deviations traffic control and signs, etc. for Diversion Road for A-1 Road in accordance with sub-clause 124.03 of the Specification	Lump sum				
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Qty	Rate	Amount	
					Rupees	Cents
07	As Item A03.06 but for public deviations traffic control and signs, etc. for any other diversion road	Lump sum				
08	Allow for the support and protection of the existing utilities and services in accordance with Clause 122 of the Specification	Lump sum				
09	<u>Provisional Sum</u> Allow a Provisional Sum of the modification and protection of the existing utilities and services in accordance with Clause 122 of the Specification to be expended as directed by the Engineer	Lump sum				
10	Allow for the Progress Photographs in accordance with sub-clause 117.02 of the Specification	Lump sum				
11	Allow for maintenance of the Works for twelve months after the Engineer's certified Dates of Completion	Lump sum				
12	<u>Provisional Sum</u> Provide for additional and contingent works as directed by the Engineer.	Lump sum				
13	<u>Provisional Sum</u> Provide for payments under Clause 70 of the Conditions of Contract, Increase and Decrease of Costs.	Lump sum				
14	The Contractor shall describe hereunder (inserting any relevant Clause Number) and price any other Works, obligations or things which may be referred to in the Conditions of Contract or Specification or which he may consider have been omitted from the Bills of Quantities and for					
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<p>which he desires to enter a separate charge. (The charge to be carried directly to the 'Amount' column). If no separate charge is made hereunder then the rates in the Bills of Quantities shall be held as covering expenses for such works, obligations or things.</p> <p><u>Clause No.</u> <u>Description</u></p>					
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "A"</u> <u>COLLECTION SHEET</u> TOTAL OF PAGE BQ 1 TOTAL OF PAGE BQ 2 TOTAL OF PAGE BQ 3 TOTAL OF PAGE BQ 4 TOTAL OF PAGE BQ 5					
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
<u>BILL "B"</u>						
<u>DEMOLITION AND CLEARANCE WORKS</u>						
To be read in conjunction with PART 2 of the Specifications						
301.	<u>Clearance and Grubbing</u>	ha	5.5			
302.	<u>Removal of Structures and Obstruction</u>					
01	Buildings	Lump sum				
02	Concrete structures	Lump sum				
03	Existing metal bridge structures	t	350			
04	Existing road pavements and kerbs	Lump sum				
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "B"</u> <u>COLLECTION SHEET</u> TOTAL OF PAGE BQ 7					
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "C"</u>					
	<u>EARTHWORKS</u>					
	To be read in conjunction with PART 3 of the Specifications					
C01.	<u>Roadway Excavation</u>					
01	Common excavation	m3	732,000			
02	Rock excavation	m3	22,135			
03	Replacing sub-grade in cut section with selected materials	m3	20,000			
04	Replacing foundation in fill section with selected materials	m3	20,000			
C02.	<u>Structure Excavation</u>					
01	Common excavation in box culverts and wing walls	m3	9,015			
02	Rock excavation in box culverts and wing walls	m3	100			
03	Common excavation in piers and abutments of bridgeworks	m3	18,850			
04	Rock excavation in piers and abutments of bridgeworks	m3	7,100			
05	Supply and complete in place of selected backfill materials	m3	35,200			
06	Supply and complete in place of selected filter materials	m3	2,030			
07	Supply and complete in place of selected bedding materials	m3	20			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "C"</u> <u>COLLECTION SHEET</u> TOTAL OF PAGE BQ 9					
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "D"</u>					
	<u>STRUCTURAL CONCRETE AND CONCRETE ANCILLARIES WORKS</u>					
	To be read in conjunction with PART 4 of the Specifications					
D01.	Concrete complete in place, supply of materials, labour, tools and equipment to mix and place in site					
01	Structural Concrete, Grade 40	m3	4,700			
02	ditto Grade 30	m3	3,480			
03	ditto Grade 25	m3	14,500			
04	ditto Grade 15	m3	3,800			
D02.	<u>Supply and fixing in place of Reinforcing steel</u>					
01	Mild steel bars, not exceeding $\phi 16$ mm	t	1.2			
02	Mild steel bars, $\phi 20$ mm or greater	t	0.5			
03	High yield steel bars, not exceeding $\phi 16$ mm	t	1,180			
04	High yield steel bars, $\phi 20$ mm or greater	t	730			
D03.	Supply, fixing in place with necessary accessories, stressing up to required tension and grouting in bridge girders of high tensile prestressing steel cables					
01	$\phi 5$ mm prestressing wire	kg	14,420			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
02	∅ 7 mm prestressing wire	kg	77,200			
03	∅12.5 mm prestressing strand	kg	178,300			
D04.	<u>Supply, preparation, erection and removal Formworks</u>					
01	Fair finish plane formworks for walls, piers, culverts and abutments, type A	m2	26,270			
02	Fair finish curved formworks for walls, piers, abutments and culverts, type B	m2	1,240			
03	Fair finish formworks for supported beams and slabs, type C	m2	14,000			
04	Fair finish formworks for prestressed post-tensioned concrete beams cast in yard, type D	m2	23,325			
05	Plane rough finish formworks for foundation in touch with earth, type E	m2	5,130			
06	Supply, preparation and erection of voids ∅700 mm for supported voided slabs, type F	m	530			
07	ditto, but for ∅850 mm, type G	m	130			
08	ditto, but for ∅900 mm, type H	m	360			
D05.	<u>Supply and fixing in place of Bridge Bearing Pad</u>					
01	Rubber Bearing, type A	nr	8			
02	ditto type B	nr	277			
03	ditto type C	nr	104			
04	ditto type D	nr	37			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
05	ditto type E	nr	105			
06	ditto type F	nr	134			
D06.	<u>Supply and fixing of Metal Parapet</u>					
01	Type P1 Vehicle Parapet	m	1,195			
02	Type P2 Vehicle Pedestrian Parapet	m	1,605			
03	Type P4 Pedestrian Parapet	m	185			
D07.	<u>Expansion Joint for Bridge and Water-tight Joint for Box Culvert</u>					
01	Expansion Joint for Bridge, type A	m	445			
02	ditto type B	m	390			
03	Expansion Joint for Aquaduct, type C	m	10			
04	Water-tight Joint for Box type D	m	245			
D08.	<u>Transport to the site, lifting and fixing of prestressed Post Tensioned Beam on the top of bearing</u>					
01	Beams with length not exceeding 25 meters	nr	37			
02	Beams with length of 25 meters or greater	nr	141			
D09.	<u>Supply and complete in place of Precast Concrete Block Footway for Bridge</u>	m2	905			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
D10.	Supply and fixing of Bridge Drain					
01	Catch Basin, type A	nr	31			
02	ditto type B	nr	21			
03	ditto type C					
04	ditto type C'					
05	Lead Pipe, PVC, ϕ 125	m	420			
06	ditto ϕ 200	m	110			
D11.	Installation of Utility Lines on Bridges					
01	PVC pipe for telephone cable, ϕ 150	m	281			
02	ditto ϕ 80	m	88			
03	Steel water pipe, ϕ 90	m	86			
04	Steel sewerage pipe, ϕ 380	m	90			
05	Provisional Sum Provide for additional and contingent works as directed by the Employer in accordance with Pay Item D11	Lump sum			26,000	00
D12.	Supply and complete in place at Nameplate	nr	4			
D13.	Supply and complete in place of Score Protection Riprap covered by Concrete	m2	1,385			
D14.	Supply and complete in place of Water-Proof Mortar for Aquaduct	m2	275			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "D"</u> <u>COLLECTION SHEET</u> TOTAL OF PAGE BQ 11 TOTAL OF PAGE BQ 12 TOTAL OF PAGE BQ 13 TOTAL OF PAGE BQ 14					
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "E"</u>					
	<u>PAVEMENTS AND ROAD</u> <u>ANCILLARIES WORKS</u>					
E01.	Supply, laying and compaction of Graded Stone Subbase Course or Base Course after compaction on prepared subgrade of road					
01	Graded Stone Subbase Course, 30 cm thick for main road carriageway	m2	165,000			
02	Graded Stone Subbase Course, 20 cm thick for access road carriageway	m2	17,315			
03	Graded Stone Base Course, 15 cm thick for shoulder of main road carriageway of approach road and frontage road	m2	47,335			
04	Graded Stone Base Course, 10 cm thick for footway of access road	m2	6,925			
E02.	Supply and spray of Bituminous Prime and Tack Coat					
01	Bituminous Prime Coat at the rate of 1.0 kg to the square meter of prepared subbase course of roads	t	215			
02	Bituminous Tack Coat at the rate of 0.6 kg to the square meter of prepared base course of roads	t	200			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
E03.	Supply, laying and compaction of Bituminous Treated Base Course, 10 cm thick after compaction on prepared subbase course of roads for the carriageway of main road and access road	m2	173,035			
E04.	Supply, preparation, spreading and compaction of Hot-mix Bituminous Concrete Surface Course					
01	Asphalt Binder Course, 5 cm thick after compaction applied on prepared base course of main road carriageway	m2	154,740			
02	Asphalt Wearing Course, 5 cm thick after compaction applied on prepared asphalt binder course of main road carriageway prepared base course of shoulder for main road, prepared base course of approach road for overbridge and prepared bituminous treated base course of access road carriageway	m2	205,040			
03	Asphalt Wearing Course, 8 cm thick applied on prepared concrete deck of main road bridge and over bridge	m2	10,590			
04	Asphalt Wearing Course, 4 cm thick after compaction applied on prepared base course of footway of access road	m2	6,950			
05	Asphalt Wearing Course, 3 cm thick applied on prepared concrete deck of pedestrian bridge	m2	150			
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
E05.	Increase or reduction tonnage of Bitumen by varying the rate of apply against the upper limit of content as directed by the Engineer in accordance with Pay Items E03, E04 and E05					
01	Bituminous content, Prime Coat material	t	2.0			
02	Bituminous content, Tack Coat material	t	2.0			
03	Bituminous Content of Hot-mix Bituminous Concrete	t	2.0			
E06.	Turfing and Seeding complete in place					
01	Turfing	m2	58,345			
02	Seeding	m2	65,730			
E07.	Supply and installation in place of Guardrail for embankment	m	2,400			
E08.	Precast Concrete Kerbs complete in place					
01	Precast Concrete Kerb, type A	m	13,605			
02	Precast Concrete Kerb, type B	m	4,450			
03	Precast Concrete Kerb for bridge, type C	m	680			
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Qty	Rate	Amount	
					Rupees	Cents
E09.	<u>Road Marking complete in place</u>					
01	Road marking, common	m2	6,600			
02	Uni-directional Reflecting Road Stud "Cat's Eye"	nr	40			
03	Road Stud "Chatter Bar"	nr	180			
E10.	<u>Permanent Traffic Sign complete in place</u>					
01	Permanent Traffic Sign, type A	nr	109			
02	ditto , type B	nr	17			
03	ditto , type C	nr	32			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "E"</u> <u>COLLECTION SHEET</u> TOTAL OF PAGE BQ 16 TOTAL OF PAGE BQ 17 TOTAL OF PAGE BQ 18 TOTAL OF PAGE BQ 19					
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "F"</u>					
	<u>STORM DRAINAGE WORKS</u>					
	To be read in conjunction with PART 6 of the Specifications					
F01.	<u>Ditch, Channel and Drain Pipe complete in place</u>					
01	Earthen Excavated Ditch type Ds-ED	m	4,870			
02	Rock Surfaced Ditch type Ds-RS	m	14,255			
03	Rolled Gutter type Ds-RG	m	1,825			
04	Precast Concrete Ditch type Ds-Pu(A)	m	12,040			
05	ditto Ds-Pu(B1)	m	480			
06	ditto Ds-Pu(B2)	m	594			
07	ditto Ds-Pu(B3)	m	280			
08	Concrete Ditch, type Ds-U(A)	m	25			
09	ditto Ds (C)	m	25			
10	ditto Ds (D)	m	250			
11	ditto Ds (E)	m	150			
12	ditto Ds (F)	m	5			
13	ditto Ds (G)	m	120			
14	ditto Ds (H)	m	30			
15	ditto, with cover Ds-U(A)	m	170			
16	ditto Ds-U(C)	m	30			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					rupees	Cents
17	Concrete Ditch, with cover type Ds-U(F)	m	120			
18	ditto Ds-L(A)	m	55			
19	ditto Ds-L(B)	m	60			
20	ditto Ds-L(C)	m	370			
21	ditto Ds-L(D)	m	170			
22	Concrete Ditch, type Dv-U	m	105			
23	Shoulder Inlet, type Si	nr	215			
24	Relocated Waterway	m	60			
25	Concrete Cover for side ditch in Box culvert	m	195			
F02.	<u>Pipe Culvert complete in place</u>					
01	Precast concrete pipe, type C-P(A) ϕ 152	m	65			
02	ditto ϕ 304	m	125			
03	ditto ϕ 380	m	240			
04	ditto ϕ 457	m	15			
05	ditto ϕ 762	m	410			
06	ditto ϕ 1066	m	50			
07	ditto type C-P(B) ϕ 304	m	160			
08	ditto ϕ 380	m	460			
09	ditto ϕ 457	m	70			
10	ditto ϕ 533	m	30			
11	ditto type C-P(C) ϕ 762	m	115			
12	ditto ϕ 1066	m	135			
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit.	Q'ty	Rate	Amount	
					Rupees	Cents
13	Precast concrete pipe, type C-P(TWIN) ϕ 1066	m	95			
14	ditto type C-P(C) ϕ 609	m	25			
15	ditto ϕ 685	m	10			
16	ditto ϕ 914	m	20			
17	ditto type C-P(D) ϕ 762	m	335			
18	Miscellaneous, PVC pipe, ϕ 179	m	25			
F03.	<u>Head wall for pipe culvert complete in place</u>					
01	Type Hw-(A)	nr	41			
02	Hw-(B)	nr	1			
03	Hw-(C1)	nr	1			
04	Hw-(C2)	nr	1			
05	Hw-(C3)	nr	3			
F04.	<u>Catch Basin complete in place</u>					
01	Type Dc-(A1)	nr	30			
02	Dc-(A2)	nr	14			
03	Dc-(A3)	nr	11			
04	Dc-(A4)	nr	6			
05	Dc-(A5)	nr	1			
06	Dc-(A6)	nr	2			
07	Dc-(A7)	nr	1			
08	Dc-(B1)	nr	22			
09	Dc-(B2)	nr	2			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit.	Q'ty	Rate	Amount	
					Rupees	Cents
10	Type Dc-(D)	nr	18			
11	Dc-(K)	nr	3			
12	Dc-(N1)	nr	1			
13	Dc-(N2)	nr	1			
14	Dc-(N3)	nr	5			
15	Dc-(C)	nr	28			
16	Dc-(E)	nr	20			
17	Dc-(F)	nr	5			
18	Dc-(G)	nr	1			
19	Dc-(H)	nr	1			
20	Dc-(I)	nr	1			
21	Dc-(J1)	nr	1			
22	Dc-(J2)	nr	1			
23	Dc-(J3)	nr	4			
24	Dc-(L1)	nr	2			
25	Dc-(L2)	nr	1			
26	Dc-(L3)	nr	2			
27	Dc-(M1)	nr	1			
28	Dc-(M2)	nr	1			
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
F05.	Inlet or Outlet complete in place					
01	Inlet or Outlet for pipe culvert ø762 type A	nr	8			
02	ditto type B	nr	13			
03	ditto type C H=1.40m	nr	2			
04	Inlet for pipe culvert ø762 type C H=1.60m	nr	1			
05	ditto type C H=2.20m	nr	2			
06	Inlet or outlet for pipe culvert ø1066 type A	nr	2			
07	ditto type B	nr	3			
08	Inlet for pipe culvert ø1066 type C H=1.60m	nr	1			
09	Inlet or Outlet for pipe culvert ø1066 type C H=1.90m	nr	2			
10	Inlet for pipe culvert (TWIN) ø1066	nr	2			
11	Outlet for pipe culvert (TWIN) ø1066	nr	2			
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "F"</u> <u>COLLECTION SHEET</u> TOTAL OF PAGE BQ 21 TOTAL OF PAGE BQ 22 TOTAL OF PAGE BQ 23 TOTAL OF PAGE BQ 24 TOTAL OF PAGE BQ 25					
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "G"</u> <u>MASONRY WORKS</u> To be read in conjunction with PART 7 of the Specifications					
G01.	Grouted Rubble Masonry complete in place					
01	Grouted rubble masonry for embankment area, type E	m2	6,170			
02	ditto, but for cutting area, type C	m2	7,220			
03	ditto, but for bridge works, type P	m2	2,045			
G02.	Concrete Base for Grouted Rubble Masonry complete in place					
01	Concrete base for type E masonry	m	1,675			
02	ditto, but for type C masonry	m	1,840			
03	ditto, but for type P masonry	m	235			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Qty	Rate	Amount	
					Rupees	Cents
	<u>BILL "G"</u> <u>COLLECTION SHEET</u> TOTAL OF PAGE BQ 27					
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<u>BILL "H"</u>					
	<u>LIGHTING INSTALLATION WORKS</u>					
	To be read in conjunction with PART 8 of the Specifications					
H01.	<u>Manufacture, test, supply and deliver to Site Lighting System for Point Aux Sable/Coromandel Interchange</u>					
01	Outdoor standing metal enclosed cubicles including the ancillary works, complete in place	nr	1			
02	Lighting poles including lan- terns, lamps and the ancillary works, complete in place, PB-12-700W HF 700W	nr	10			
03	ditto, but for PB-12-700W HF 400 W	nr	5			
04	ditto, but for PB-10-700W HF 400	nr	15			
05	Cables in duct including the ancillary works, complete in place, SC-VVR 3.5 - 2C + 1C	m	25			
06	ditto 3.5 - 3C + 1C	m	20			
07	ditto 5.5 - 3C + 1C	m	20			
08	ditto 5.5 - 4C + 1C	m	105			
09	ditto 8 - 4C + 1C	m	5			
10	ditto 14 4C + 1C	m	35			
11	Cables buried underground including the ancillary works, complete in place, SC-VVR 3.5 - 2C + 1C	m	480			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
12	ditto 3.5 - 3C + 1C	m	455			
13	ditto 3.5 - 4C + 1C	m	25			
14	ditto 5.5 - 3C + 1C	m	95			
15	ditto 5.5 - 4C + 1C	m	225			
16	ditto 8 - 4C + 1C	m	145			
17	ditto 14 - 4C + 1C	m	265			
18	Copper wire in duct including the ancillary works, complete in place, A-3.5	kg	2			
19	ditto, but buried underground	kg	16			
20	Earthing E500 OHM including the ancillary works, complete in place	nr	5			
H02.	Manufacture, test, supply and deliver to Site Lighting System for Motorway Junction					
01	Outdoor standing metal enclosed cubicles including the ancillary works, complete in place	nr	1			
02	Lighting poles including lanterns, lamps and the ancillary works, complete in place, PB-12-700W HF 700W	nr	16			
03	ditto, but for PB-12-700W HF 400W	nr	8			
04	ditto, but for PB-10-700W HF 400W	nr	26			
05	ditto, but for HF 250W	nr	1			
06	Cables in duct including the ancillary works, complete in place, SC-VVR 3.5 - 2C + 1C	m	95			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
07	ditto 3.5 - 3C + 1C	m	45			
08	ditto 3.5 - 4C + 1C	m	65			
09	ditto 8 - 3C + 1C	m	30			
10	ditto 8 - 4C + 1C	m	64			
11	ditto 14 - 4C + 1C	m	145			
12	ditto 22 - 4C + 1C	m	95			
13	Cables buried underground including the ancillary works, complete in place, SC-VVR 3.5 - 2C + 1C	m	580			
14	ditto 3.5 - 3C + 1C	m	145			
15	ditto 3.5 - 4C + 1C	m	30			
16	ditto 5.5 - 2C + 1C	m	40			
17	ditto 5.5 - 3C + 1C	m	35			
18	ditto 8 - 2C + 1C	m	75			
19	ditto 8 - 3C + 1C	m	270			
20	ditto 8 - 4C + 1C	m	350			
21	ditto 14 - 2C + 1C	m	40			
22	ditto 14 - 3C + 1C	m	40			
23	ditto 14 - 4C + 1C	m	1,100			
24	ditto 22 - 4C + 1C	m	260			
25	Copper wire in duct including the ancillary works, complete in place, A3.5	kg	4			
26	ditto, but buried underground	kg	27			
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
27	Earthing E500 OHM including the ancillary works, complete in place	nr	6			
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Qty	Rate	Amount	
					Rupees	Cents
	<u>BILL "H"</u> <u>COLLECTION SHEET</u> TOTAL OF PAGE BQ 29 TOTAL OF PAGE BQ 30 TOTAL OF PAGE BQ 31					
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
	<p style="text-align: center;"><u>BILL "I"</u></p> <p style="text-align: center;"><u>DAYWORK SCHEDULES</u></p> <p>To be read in conjunction with Clause 52 (4) of the Conditions of Contract.</p> <p>The whole of this Bill is provisional. The following items are for Labour, Materials and Plant available on site during the execution of the Contract Works.</p>					
I01.	<p><u>Plant</u></p> <p>The rates inserted herein are to include all operational maintenance costs including fuel, oil, grease, spare parts, repairs, any extra costs of overtime and all superintendence, overheads and profit. The rates shall also include for all travelling time and costs for the plant, operators, etc., to and from and about the site. Idle time where due solely to the nature of the dayworks or the authorized method of procedure will be paid for at 50% of the rates entered herein. Idle time due to breakdowns, inefficiency or unsuitability or incompleteness of the plant shall not be paid.</p>					
01	Bulldozer with ripper, 34t, 320HP class	h	100			
02	ditto 24t, 220HP class	h	100			
03	ditto 17t, 155HP class	h	100			
04	ditto 12t, 110HP class	h	100			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
05	Dozer shovel, 2.2m ³ , 21t, 200HP class	h	100			
06	ditto 1.8m ³ , 18t, 160HP "	h	100			
07	ditto 1.6m ³ , 15t, 135HP "	h	100			
08	Wheel loader, 2.3m ³ , 12.5t, 152HP "	h	100			
09	ditto 1.7m ³ , 9.5t, 105HP "	h	100			
10	Motor grader, W=4.0m, 13t, 165HP "	h	100			
11	ditto W=3.7m, 11t, 125HP "	h	100			
12	Back hoe, 1.8m ³ , 40t, 200HP "	h	100			
13	ditto 1.5m ³ , 25t, 150HP "	h	100			
14	ditto 1.0m ³ , 20t, 120HP "	h	100			
15	ditto 0.5m ³ , 12t, 90HP "	h	100			
16	Wheel crane, 20t capacity, 23t, 180HP "	h	100			
17	ditto , 16t cpapcity, 20t, 175HP "	h	100			
18	ditto , 5t capacity, 15t, 125HP "	h	100			
19	Macadam roller, 15t class	h	100			
20	ditto , 10t "	h	100			
21	Tire roller, 20t "	h	100			
22	Asphalt finisher, W=4.5m class	h	100			
23	ditto , W=3.6m "	h	100			
24	Asphalt sprayer, 30 l/min. class	h	100			
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
25	Concrete mixer, 1.5m ³ class	h	100			
26	ditto , 0.75m ³ "	h	100			
27	Truck mixer, 3.0 m ³ "	h	100			
28	Portable air compressor, 10.5 m ³ /min class	h	100			
29	ditto 7.5 " "	h	100			
30	Concrete pump truck, 60 m ³ /min. "	h	100			
31	Generator 75KVA class	h	100			
32	Dump truck, 20t, 280HP class	h	100			
33	ditto , 15t, 230HP "	h	100			
34	ditto , 11t, 210HP "	h	100			
35	ditto , 8t, 200HP "	h	100			
36	ditto , 4t, 135HP "	h	100			
37	Truck, 11t, 260HP "	h	100			
38	ditto, 8t, 194HP "	h	100			
39	ditto, 6t, 130HP "	h	100			
40	Trailer, 35t class	h	100			
41	ditto , 20t "	h	100			
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
I02.	<u>Materials</u> The materials are to be all to the qualities and descriptions stated in the Specification. The rates inserted herein are to include for delivery to the site including all loading, transport, unloading, storage, doublehandling, storage, etc., together with all overheads and profit.					
01	Materials for Pay Item C02.05	m3	2,000			
02	Materials for Pay Item C02.06	m3	100			
03	Materials for Pay Item C02.07	m3	100			
04	Coarse aggregate for Pay Item D01.01	t	150			
05	Fine aggregate for Pay Item D01.02	t	150			
06	Mild steel bar for Pay Item D02.01	t	1			
07	Mild steel bar for Pay Item D02.02	t	1			
08	High yield steel bar for Pay Item D02.03	t	10			
09	High yield steel bar for Pay Item D02.04	t	5			
10	Prestressing wire for Pay Item D03.01	kg	500			
11	Prestressing wire for Pay Item D03.02	kg	500			
12	Prestressing strand for Pay Item D03.03	kg	1,000			
13	Coarse aggregate for Pay Item E01.	t	200			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Q'ty	Rate	Amount	
					Rupees	Cents
14	Fine aggregate for Pay Item E01.	t	200			
15	Bitumen for Pay Item E04	t	500			
16	Turf for Pay Item E06.01	m2	2,000			
17	Seed for Pay Item E06.02	kg	1,000			
18	Guardrail for Pay Item E07	m	100			
19	Paint for Pay Item E09.01	kg	100			
20	Portland cement	t	50			
21	Stone for masonry for Pay Item G01.	t	200			
22	Timber for formwork	m3	50			
TOTAL OF PAGE CARRIED TO COLLECTION						

Item No.	Description	Unit	Quantity	Rate	Amount	
					Kupees	Cents
I03.	<u>Labour</u> The rates inserted herein are to include all costs of labour including the use and maintenance of tools and small plant such as scaffolding, trestles, wheelbarrows, picks, shovels, handpumps, etc., any extra costs of overtime, insurances, accommodation, travelling time and expenses to and from and about the site, etc., together with all superintendence, overheads and profit.					
01	Unskilled labour	h	20,000			
02	Skilled labour	h	10,000			
03	Foreman	h	1,000			
04	Stone mason	h	1,000			
05	Carpenter	h	1,000			
06	Plumber	h	1,000			
07	Barbender	h	1,000			
08	Backsmith	h	1,000			
09	Painter	h	1,000			
10	Welder	h	1,000			
	TOTAL OF PAGE CARRIED TO COLLECTION					

Item No.	Description	Unit	Qty	Rate	Amount	
					Rupees	Cents
	<u>BILL "I"</u> <u>COLLECTION SHEET</u> TOTAL OF PAGE BQ 33 TOTAL OF PAGE BQ 34 TOTAL OF PAGE BQ 35 TOTAL OF PAGE BQ 36 TOTAL OF PAGE BQ 37 TOTAL OF PAGE BQ 38					
	TOTAL OF PAGE CARRIED TO COLLECTION					

BILLS OF QUANTITIES

SUMMARY

		<u>Amount</u>	
		<u>Rupees</u>	<u>Cts</u>
BILL "A"	General Items		
BILL "B"	Demolition and Clearance Works		
BILL "C"	Earthworks		
BILL "D"	Structural Concrete and Concrete Ancillaries Works		
BILL "E"	Pavement and Road Ancillaries Works		
BILL "F"	Storm Drainage Works		
BILL "G"	Masonry Works		
BILL "H"	Lighting Installations		
BILL "I"	Daywork Schedules		
Total Carried to Form of Tender			

Signed

Date

APPENDIX TO BILLS OF QUANTITIES

SCHEDULE OF BASIC PRICE FOR LABOUR AND MATERIALS
ON WHICH THE TENDER HAS BEEN BASED
IN ACCORDANCE WITH THE CLAUSE 70
OF THE CONDITIONS OF CONTRACT

1. LABOUR

(a) Unskilled Labour	M. Rs _____	per hour
(b) Skilled Labour	M. Rs _____	per hour
(c) Foreman	M. Rs _____	per hour
(d) Stone Mason	M. Rs _____	per hour
(e) Carpenter	M. Rs _____	per hour
(f) Bar Bender	M. Rs _____	per hour
(g) Blacksmith	M. Rs _____	per hour
(h) Painter	M. Rs _____	per hour
(i) Welder	M. Rs _____	per hour
(j) Driver	M. Rs _____	per hour
(k) Plant Operator	M. Rs _____	per hour

2. Materials (Delivered to Site)

(a) Materials for Pay Item C02.05	M. Rs _____	per m3
(b) ditto, for Pay Item C02.06	M. Rs _____	per m3
(c) ditto, for Pay Item C02.07	M. Rs _____	per m3
(d) Coarse Aggregate for Pay Item D01.01	M. Rs _____	per t
(e) Fine Aggregate for Pay Item D01.02	M. Rs _____	per t
(f) Mild Steel Bar for Pay Item D02.01	M. Rs _____	per t

APPENDIX TO BILLS OF QUANTITIES
(Continued)

(g) Mild Steel Bar for Pay Item D02.02	<u>M.Rs</u>	per t
(h) High Yield Steel Bar for Pay Item D02.03	<u>M.Rs</u>	per t
(i) ditto, for Pay Item D02.04	<u>M.Rs</u>	per t
(j) Prestressing Wire for Pay Item D03.01	<u>M.Rs</u>	per kg
(k) ditto, for Pay Item D03.02	<u>M.Rs</u>	per kg
(l) ditto, for Pay Item D03.03	<u>M.Rs</u>	per kg
(m) Coarse Aggregate for Pay Item E01.	<u>M.Rs</u>	per t
(n) Fine Aggregate for Pay Item E01.	<u>M.Rs</u>	per t
(o) Bitumen for Pay Item E04.	<u>M.Rs</u>	per t
(p) Guard Rail for Pay Item E07.	<u>M.Rs</u>	per m
(q) Paint for Pay Item E09.01	<u>M.Rs</u>	per kg
(r) Portland Cement	<u>M.Rs</u>	per t
(s) Stone for Masonry Works for Pay Item G01.	<u>M.Rs</u>	per t
(t) Timber for Formworks	<u>M.Rs</u>	per m3
(u) Petrol	<u>M.Rs</u>	per liter
(v) Diesel Oil	<u>M.Rs</u>	per liter
(w) Lubricating Oil	<u>M.Rs</u>	per liter

_____ Signed

_____ Date

JICA