

SCHEDULE OF PARTICULARS

SCHEDULE OF PARTICULARS

SCHEDULE 1	CASH FLOW TABULATION
SCHEDULE 2	LABOUR FLOW TABULATION, INCLUDING ESTIMATE OF MAURITIAN LABOUR EMPLOYMENT
SCHEDULE 3	MATERIALS FLOW TABULATION
SCHEDULE 4	LIST OF CONSTRUCTIONAL PLANT AND MATERIALS, INCLUDING THEIR SOURCES
SCHEDULE 5	FIELD PERSONNEL
SCHEDULE 6	LIST OF SUB-CONTRACTOR(S)
SCHEDULE 7	DAYWORK
SCHEDULE 8	BREAKDOWN OF PRICES
SCHEDULE 9	CONSTRUCTION TIME SCHEDULE
SCHEDULE 10	DRAWINGS AND DOCUMENTS SUBMITTED WITH TENDER
SCHEDULE 11	INFORMATION ON QUALIFICATION FOR WORKS OF HYDROMECHANICAL EQUIPMENT
SCHEDULE 12	LIST OF SPARE PARTS OF CONSTRUCTIONAL PLANT

SCHEDULES OF PARTICULARS
SCHEDULE 1 - CASH FLOW TABULATION

Tenderer shall break up Tender Price based on his Construction Time Schedule attached to the Tender (Schedule 9) and fill up his estimated monthly cash flow in this form in accordance with Clause 60 of the Conditions of Contract. Month herein stated shall be so calculated that the first month is the month after the month in which the Engineer's Order to Commence is issued.

Month	(1) Progress Payment		(2) Advance Payment		(3) Retention Money		(4) Payment to be Made (1) ± (2) ± (3)		(5) Accumulative Payment	
	Foreign Currency ()	Local Currency (Rs.)	Foreign Currency ()	Local Currency (Rs.)	Foreign Currency ()	Local Currency (Rs.)	Foreign Currency ()	Local Currency (Rs.)	Foreign Currency ()	Local Currency (Rs.)
Order to Commence										
1st										
2nd										
3rd										
•										
•										
•										
* 15th										
•										
•										
•										
** 21th										
Total										

Remarks: * Scheduled time for completion of the Construction
** Scheduled time for expiration of the Maintenance Period

SCHEDULES OF PARTICULARS

SCHEDULE 2 - LABOUR FLOW TABULATION, INCLUDING ESTIMATE OF MAURITIAN LABOUR EMPLOYMENT

Tenderer shall fill up his monthly estimated labour by trades and separately for foreign and local labours, based on the Construction Time Schedule attached to the Tender (Schedule 9) in this form. Month herein stated shall be so calculated that the first month is the month after the month in which the Engineer's Order to Commence is issued.

Month	Foremen	Heavy Equipment Operators	Concrete Workers	Mechanics, Electricians & Fitters	Carpenters	Tunnel Workers & Drillers	Unskilled Labours & Helpers	Others	Total
Order to Commence									
1st									
2nd									
3rd									
4th									
5th									
.									
.									
.									
.									
.									
* 15th									
.									
.									
.									
** 21th									
Total									

Note : Each column shall contain figures indicating Mauritian labour + foreign labour = total labour (Ex : 3+1 = 4)

Remarks : * Scheduled time for completion of the Construction

** Scheduled time for expiration of the Maintenance Period

SCHEDULES OF PARTICULARS

SCHEDULE 3 - MATERIALS FLOW TABULATION

Tenderer shall fill up in this form the estimated unit price, country of origin and monthly estimated quantity of the construction materials required for the Works based on the Construction Time Schedule to the Tender (Schedule 9). Month herein stated shall be so calculated that the first month is the month after the month in which the Engineer's Order to Commence is issued.

Month	Cement	Reinforcement bars	Structural steel	Timber	Plywood	Dynamite	Diesel oil	Aggregates
Commencement								
1								
2								
3								
4								
5								
6								
•								
•								
•								
Completion								
Total Q'ty								
Unit								
Unit Price								
Amount								
Country of Origin								

SCHEDULE OF PARTICULARS

SCHEDULE 4 - LIST OF CONSTRUCTION PLANT AND MATERIALS, INCLUDING THEIR SOURCES

1. If our Tender is accepted by the Employer we undertake to deploy the Construction Plant and materials listed herein for executing the Works as per the Construction Time Schedule attached to the Tender (SCHEDULE 9).
2. We undertake to initiate delivery of the Construction Plant and materials listed herein to the Site so as to enable to commence the major parts of the Works as early as possible after the Contract becomes effective.
3. The quantities and type of the Construction Plant and materials listed herein are estimated based on our construction method and sequence of the Works (SCHEDULE 10-1) and Construction Time Schedule (SCHEDULE 9). If the quantities and/or type of such Construction Plant and materials are inevitably changed as a result of detailed study on the CPM Network defined in Clause 14 of the Conditions of Contract, we undertake to get the PMO/Engineer informed thereof immediately.

LIST OF MATERIALS AND FUEL

Tenderers shall provide the procurement schedule of the materials (including fuel) which are to be used in the Works in accordance with the following format:

Type of Materials & Fuel	Unit	Quantity	Country of Origin	Estimated C.I.F. or Local Value (Equivalent in J.¥. or U.S.\$)
Cement, ordinary Portland	ton			
Reinforcement Bars	ton			
Structural Steel	ton			
Metal frames (Specify)	ton			
Explosives-gelatine	kg			
Explosives-ammonium nitrate	kg			
Timber (Specify)	m ³			
Diesel fuel	liter			
Gasoline	liter			
Engine oil	liter			
Lubricants	kg			

(Tenderer is to insert other main items of materials and fuel)

LIST OF CONSTRUCTION PLANT

Tenderers shall provide details of the Construction Plant, whether they are included in the Preparatory Works or the Temporary Works, necessary for the execution of the Works, in accordance with the following format as detailed as possible.

Item of Construction Plant	Quantity	Country of Origin	Year of Make	Capacity of Output	Type, Model and Manufacture	Present Location	period to be used for the works	Ownership <u>L</u>	Condition <u>Z</u>	Estimated Present C.I.F. Value (Equivalent in JY or US\$)
(Earth-moving equipment										
(Transporting equipment)										
(Tunneling equipment)										
(Aggregate processing plant)										
(Concrete plant)										
(Drilling and grouting equipment)										
(Compaction equipment)										
(Generators/motors)										
(Tenderer is to list all other items of equipment)										

L: In this column, Tenderers shall indicate whether the Construction Plant is owned by the Tenderer or his proposed Sub-Contractors, or is intended to be newly purchased, or is intended to be hired. If an option to rent has been made, submit certified true copy of the agreement or an affidavit of the owner of the equipment to that effect.

Z: New, or if used the date of last major overhaul and hours of operation since overhaul.

SCHEDULE OF PARTICULARS

SCHEDULE 5 - FIELD PERSONNEL

1. We undertake to provide and employ for the duration of the Contract a project manager, an assistant project manager (if any) and _____ (number of persons) senior site staff whose professional experience is more than 15 years. In addition to such senior staff, we also undertake to provide and employ _____ (number of persons) civil engineer(s), _____ (number of persons), electrical/mechanical engineer(s), _____ (number of persons) grouting engineer(s), _____ (number of persons) engineering geologist(s), _____ (number of persons), architectural engineer(s) and _____ (number of persons) engineer(s) qualified for other engineering work as required by the Construction Time Schedule (SCHEDULE 9). Professional records of our site staff to be engaged in the works are attached.

2. _____ (name of project manager) has a broad experience in the field of underground works and dam projects similar to or larger than this Project and is capable of managing the Works in all respects to meet the requirements of the Contract. He will stay at the site full time throughout the period of the Contract, being supported by at least Mr. _____, Mr. _____, Mr. _____, Mr. _____, Mr. _____, (name of senior site staff)

PROFESSIONAL RECORDS OF FIELD PERSONNEL
 (Separately for each person mentioned in Para 1)

1. Name :
2. Date of birth :
3. Nationality :
4. Education and degrees :
5. Speciality :
6. Registration :
7. Position on construction :
8. Length of service with Tenderer : Years: from (Month)
 :(Year) to (Month) (Year)
9. Years of experience :
10. If he has worked in other firms than the Tenderer, give names and length of service with previous employers:

Name of Employer	Length of Service
..... Years from to
..... Years from to

11. Construction experience:

(This should cover the past 15-year experience. Use as many pages as necessary.)

- (1) Name of project :
- (2) Name and address of owner :
- (3) Name and address of the Engineer (Consultant) for supervision :
- (4) Indicate features of project (size of structures, work volume and any other particular interest connected with the project) :

- (5) Contract amount (equivalent in U.S.\$.) :
- (6) Position :
- (7) Structures for which the person was responsible:
- (8) Assignment period : from.....(Month)(Year)
: to(Month)(Year)

SCHEDULES OF PARTICULARSSCHEDULE 6 - LIST OF SUB-CONTRACTORS(S)

1. We understand that the Contract or any part thereof, or any benefit or interest therein or thereunder, shall not be assigned without the prior written consent of the Employer, and the whole of the Works shall not be sub-let except the parts for which the written consent of the PMO/Engineer was obtained in accordance with Clauses 3 and 4 of the Conditions of Contract.
2. We also understand that such consent if given by the PMO/Engineer shall not relieve us from any liability or obligation under the Contract and we shall be fully responsible for the acts, defaults or neglect of any Sub-Contractor, his agents, servants or workmen as fully as if they were the acts, defaults or neglect of ours, our agents, servants or workmen. Upon receipt of the written notice from the Engineer requiring to terminate any sub-contract for the reasons stated therein, we undertake to dismiss the said Sub-Contractor immediately from the Site and to execute the said part of the works by our own force.
3. With the above understanding, we undertake to employ the Sub-Contractor(s) listed hereto and for the work item(s) proposed therein, and confirm that our prices tendered remain the same whether the Employer/the Engineer gives a consent or not to their employment. We understand that the Employer/the Engineer may not give consent to the employment of Sub-Contractor(s) if no intention therefor is declared herein or if the Sub-Contractor(s) listed herein is changed on our account.

LIST OF SUB-CONTRACTOR(S)

1. Name of Sub-Contractor _____
2. Postal address _____

3. Country of registration _____
4. Construction experience
 - (a) Area of Specialization(s) _____
 - (b) Experience on similar works previously executed (use format shown below and attach hereto):

Description of Works	Value of Work (Equivalent in U.S.\$ 10 ³)	Period of Time	Name & Address of Employer	Type of Contract

5. Proposed work to be executed by the Sub-Contractor under the Contract.
 B/Q Item No. Works Estimated Value (Equivalent in J¥. or U.S.\$.)

6. Documentary evidence of intent on Sub-Contract(s) exchanged between us and Sub-Contractor is attached hereto.

SCHEDULE OF PARTICULARSSCHEDULE 7 - DAYWORK

1. General

This Schedule is provided for the valuation of work which may be executed on Daywork basis pursuant to Clause 52(4) of the Conditions of Contract. No work shall be carried out as Daywork except on the written order of the PMO/Engineer.

For the purpose of evaluating the Tenders, the rates and prices together with the percentages quoted by the Tenderer in this Schedule of Rates and Prices shall be applied. The rates and prices shall be the same as shown in the breakdown analysis of unit prices and lump sum prices in the Bill of Quantities. Unless the Engineer shall specifically agree to the contrary, the Contractor shall not be entitled to any payment in respect of any items of labour, materials/fuel and Construction Plant employed or used on Daywork, for which rates or prices are not included in this Schedule of Rates and Prices.

If the PMO/Engineer deems it is necessary to use a certain item of labour, material/fuel or Construction Plant for Daywork which has not been specified in the attached Schedules, the price for such item shall be negotiated between the PMO/Engineer and the Contractor; however, in the event of a disagreement, the PMO/Engineer shall fix a price that shall in his opinion be reasonable and proper in accordance with Clause 52 of the Conditions of Contract.

2. Labour

The Contractor shall be entitled to the following payments in respect of labour employed on Daywork.

- (1) The aggregate amount of wages for such labour calculated on the actual hours and at the wage rates set out for the Daywork Rates for Labour attached hereto.
- (2) (in words) _____ percent of the aggregate amount of wages calculated as set out in sub-clause 2 (1) above, to cover the Contractor's overhead charges and profit.

The Daywork Rates for Labour set out herein shall be deemed to be based on eight (8) hours of normal working hour per day. The Contractor shall carry out all works ordered by the PMO/Engineer as the Daywork within normal working hours, unless the PMO/Engineer has

given written approval for overtime work to be carried out under the Daywork basis. If the PMO/Engineer shall have given such written approval, the Contractor shall be paid for such overtime in the same proportion as it is properly paid to the labour. Wage rates for overtime hours shall be increased in proportion to the quoted in "Daywork Rates for Labour" attached hereto.

The percentage addition provided for in sub-clause 2 (2) above shall cover: the Contractor's profit, overhead charges in the Site and the Contractor's head office superintendence and insurances; all allowances to labour for time keeping and other clerical and office work; the use, repair and sharpening of tools; the use of consumables, stores and electrical power; the use and repair of stagings; the use of non-mechanical plant and scaffolding; the use of water, lighting and appliances of all descriptions; supervision by the Contractor's staff, foremen and walking gangers (other than gangers or charge hands working with the gang); and all other incidental charges whatsoever.

Since the percentage addition for overhead and profit is provided, no Daywork payment shall be made for the Contractor's and his Sub-Contractor's supervisory and support staff. Supervisory and support staff are considered to consist of the following type of personnel:

- (1) Management.
- (2) All types of office personnel including accounting, secretarial, safety, medical, security, etc.
- (3) Supervisors through and including the Foreman level as mentioned above.
- (4) General support such as engineering, supply, maintenance, car/bus drivers, etc.

3. Materials

The Contractor shall be entitled to the following payments in respect of specified materials and fuel listed in the Daywork Rates for Materials hereof which are used for the Daywork provided they are actually incorporated in the Works:

- (1) The net cost of such materials and fuel delivered to warehouse or stockpile at the Site. Such cost means the invoice price and freight, insurance less discount plus delivery charges to warehouse or stockpile at the Site.

- (2) (in words) _____ per cent of such net material and fuel cost to cover the Contractor's overhead charges on and off the Site, and profit.

The prices quoted in the Daywork Rates for Materials hereof shall include the transportation cost of materials and fuel to the Site. The cost of hauling any material or fuel used for the Daywork from a warehouse or storage area to the place where it is to be used will be paid for at the appropriate Daywork rates for labour (handling) and the Constructional Plant (equipment used for hauling).

4. Constructional Plant

The Contractor shall be entitled to payments for the Constructional Plant employed on the Daywork as determined on the basis of actual working hours at the rates quoted in the Daywork Rates for Constructional Plant hereof. The rate shall not include the cost of mobilization and demobilization of the Constructional Plant, as this shall be deemed to be included in the unit prices for the various items in the Bill of Quantities.

The hourly rates quoted in the Daywork Rates for Constructional Plant shall include the Contractor's profit, overhead on and off the Site; insurances if not included in other relevant items and general supervision for such Constructional Plant; costs of depreciation, maintenance, spareparts and repairs of such Constructional Plant; costs of all fuels, lubricants, expendable supplies and accessories required for the operation of such Constructional Plant; and all other incidental charges whatsoever.

In case the Daywork requires the use of Constructional Plant not listed in "Daywork Rates for Constructional Plant", hourly rates based on rates for similar equipment shall be agreed upon.

5. All the Daywork rates for the local currency portion inserted by the Tenderer shall be subject to adjustment in accordance with the provisions of Clause 70 of the Conditions of Contract.

DAYWORK RATES FOR LABOUR

Class of Labour	(1 of 3) Daily Wages Rate (per 8-hour day) (Rs.)
Mechanics (upto 10 years experience)	
Mechanics (over 10 years experience)	
Electricians (wire men)	
Electricians (skilled)	
Fitters	
Masons	
Brick layers	
Carpenters	
Plasterers	
Welders	
Drillers	
Powdermen	
Pipe-fitters	
Blacksmiths	
Steel benders	
Fixers	
Riggers	
Plumber	
Painters	
Concrete finisher	
Greasers	
Oilers	
Trackmen	
Concrete worker	
Helpers for all class of labour	
Unskilled labourers	

(2 of 3)

Class of Labour	Daily Wages Rate (per 8-hour day) (Rs.)
-----------------	---

Operator of crane, excavator, backhoe bulldozers
vehicles
concrete
overhead loader, graders, air compressors,
powerwinches and other equipment*

Operator of cranes larger than 5-ton
capacity, excavators larger than
0.3 m³ and similar equipment

Operators of crushing and screening plant,
batching and mixing plant and
similar plant*

Foremen and Gangers including labour gangers,
carpenters or masons leading hands

Tunnel workers, skilled
Tunnel workers, unskilled

For Night shift	Rate x (1 + _____)
For Holiday shift	Rate x (1 + _____)
For Night shift of Holiday	Rate x (1 + _____)

Remark: * Tenderers shall state the rates by type and capacity of each equipment which Tenderers proposes to use for execution of the works in SCHEDULE 9, whether the equipment is included in the Temporary Works or the Preparatory Works.

Class of Labour	(3 of 3) Daily Wages Rate (per 8-hour day) (Rs.)
-----------------	---

Insert additional categories of
labour to be provided for Daywork:

DAYWORK RATES FOR MATERIALS

(1 of 3)

Item of Material	Unit	Rate Delivered to Store at Site	
		Local Currency (Rs.)	Foreign Currency
Cement, ordinary Portland	ton		
Fine aggregate for concrete (river sand less than 5 mm)	m ³		
Fine aggregate for concrete (crushed sand less than 5 mm)	m ³		
Over 80 mm screened aggregate for road work	m ³		
40 to 80 mm screened aggregate for concrete and road work	m ³		
20 to 40 mm screened aggregate for concrete and road work	m ³		
10 to 20 mm screened aggregate for concrete and road work	m ³		
5 to 10 mm screened aggregate for concrete and road work	m ³		
Unprocessed river sand and gravel	m ³		
Cobble stone	m ³		
Rubble stone for masonry	m ³		
Reinforcing bar (deformed)			
- 28 mm and below	ton		
- 32 mm and over	ton		
Structural steel	ton		
Explosive - gelatine	kg		
Explosives - ammonium nitrate	kg		

SCHEDULE 7

(2 of 3)

	Unit	Rate Delivered	
		Local Currency (Rs.)	Foreign Currency ()
Timber - primary hardwood	m ³		
Timber - secondary hardwood	m ³		
Plywood - 120 x 240 x 6 mm	panel		
Plywood - 120 x 240 x 13 mm	panel		
Plywood - 120 x 240 x 19 mm	panel		
Diesel oil	liter		
Gasoline	liter		
Engine oil	liter		
Lubricants	kg		

SCHEDULE 7

(3 of 3)

Rate Delivered	
Local	Foreign
Currency	Currency
(Rs.)	()

Insert below additional materials
to be included for Daywork:

DAYWORK RATES FOR CONSTRUCTION PLANT

Item of Constructional Plant	Hourly Rate	
	Local Currency (Rs.)	Foreign Currency ()

Insert below all items of the Constructional Plant which Tenderers propose to use for execution of the works in SCHEDULE 9. Also insert the rate per ton per km, applicable for transport of unsuitable excavated material (See C1. T2.3.5)

Note:

(For all the items of the Construction Plant, details such as name of maker, model No., maker's specifications, etc. should be given.)

SCHEDULE OF PARTICULARS

SCHEDULE 8 - BREAKDOWN OF PRICES

- Breakdown of Unit and Lump Sum Prices
of Major Civil Works

- Breakdown of Prices for Item No. D,
Hydromechanical Equipment

- Breakdown of Prices for Spare Parts
of Hydromechanical Equipment

SCHEDULE OF PARTICULARSSCHEDULE 8 - BREAKDOWN OF UNIT AND LUMP SUM PRICES OFMAJOR CIVIL WORKS

1. Tenderer shall submit the breakdown of unit and lump sum prices for the following items to show a representative composition of prices for each type of works.

Type of Work	Item No. in Bill of Quantities
(1) General items	
(2) Preparatory works	
- Earth works	
- Concrete works	
- Architectural works	
(3) Diversion tunnel	
- Care of water	
- Tunnel excavation	
- Concrete works	

Tenderer may be required by the PMO/Engineer to submit to him the breakdown of other unit and lump sum prices than the above. In such case the Tenderer shall submit to the PMO/Engineer the same without delay which shall also become a part of the Contract.

BREAKDOWN OF UNIT AND LUMP SUM PRICES OF MAJOR CIVIL WORKS

Item No. _____ (in the Bill of Quantities)

Work: _____

Unit Price _____ Foreign Currency _____ Local Currency _____
 or _____
 Lump Sum (J.¥.or Rs.) _____ / _____ Rs _____ / _____

Descriptions	Unit	Q'ty	Foreign Currency Unit Price Amount	Local Currency Unit Price Amount
--------------	------	------	---------------------------------------	-------------------------------------

I. Direct Cost

- For unit prices, show breakdowns by (1) labour (by grade), (2) Material (by item) and (3) Equipment (by type).
- For lump sum prices, the Tenderer shall show breakdowns under appropriate items selected by him.

II. Indirect Cost

TOTAL

SCHEDULE 8 - BREAKDOWN OF PRICES FOR ITEM NO. D. HYDROMECHANICAL EQUIPMENT

F.C.: Foreign Currency in
₪. or U.S.\$.

Item No.	Particulars	Qty (Set)	F.O.B. (F.C.)	Ocean Freight to Port of Port Louis and Insurance (F.C.)	C.I.F. Port Louis (F.C.)	Inland Transportation & Insurance (F.C.)	Erection (F.C.)	Total (F.C.) (Rs.)
D1/01	Diversion closing gate	1 set						
	a. Gate leaf							
	b. Guide frame							
	c. Hoist							
	d. Others							
	e. Sub-total							

SCHEDULE OF PARTICULARS

SCHEDULE 9 - CONSTRUCTION TIME SCHEDULE

Tenderer shall establish the Construction Time Schedule for Lot I Works as to meet the requirements specified in Clause G3.1 the General Specifications using the attached sheet. The Construction Time Schedule so established shall comply with his construction method and sequence of Works proposed in SCHEDULE 10 in all respects and show the key dates when the Works are to be commenced and completed therein.

WORK ITEM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	QUAN- TITIES														
I. PREPARATORY WORKS															
1. Mobilization and move in															
2. Construction facilities & plans															
3. Haul road and Access roads															
II. DIVERSION TUNNEL															
4. Excavation, open cut															
5. Concrete, inlet and outlet portals															
6. Excavation, tunnel															
7. Concrete, tunnel															

SCHEDULES OF PARTICULARS

SCHEDULE 10 - DRAWINGS AND DOCUMENTS SUBMITTED WITH TENDER

Tenderer shall submit with his Tender the following information,

10-1. Construction Method and Sequence of Works

- (1) Work quantities of major structures.
- (2) Illustrations and/or descriptions of typical works for temporary cofferdams, diversion and care of water, excavation works including plan of spoil banks, concrete works and drilling and grouting works in major structures.
- (3) Cycle time of excavation work, concrete works and drilling and grouting works of major structures.
- (4) Major equipment to be used for each major work.
- (5) Detailed construction time schedule of major structures.

10-2. Organization Chart

- (1) Diagram of organization divided into such sections as control, administration, engineering, construction, etc.
- (2) Name of supervisory staff and their grades together with data sheets showing their nationalities, qualifications, experience, proficiency in English language and proposed positions in the Works.
- (3) A bar-chart schedule showing assignment period of key staff.

10-3. Schedule of Construction Plant and Equipment

- (1) Utilization schedule of the different items of Construction Plant and equipment (for major items listed from Schedule 4).

10-4. Layout Plans of Construction Plant and Temporary Works

- (1) A layout plan showing the general arrangement of all Construction Plant and Temporary Works, with identification of the required land area.
- (2) Layout of temporary roads.
 - Plan of temporary roads to be constructed including length, width, maximum grade, surface finishing, etc.
- (3) Layout of concrete batching and mixing plant(s) in the Construction Facilities Area.
 - Plan of concrete batching and mixing plant(s) to be provided including location, specifications of plant(s), aggregate stock yard/bins with capacities, etc.
 - Layout of plant(s)
 - Aggregate procurement schedule
 - Production schedule of concrete.
- (4) Layout of office, quarters, workshops, warehouse, motor pool and other necessary facilities in the Construction Facilities Area.
 - Plan of temporary buildings including location, names, quantities, type of construction, floor areas, accommodation capacity, etc.
 - Approximate area of land for each facility.
- (5) Layout of water supply system.
 - Plan of water supply system including purposes, supply capacity, source of water, etc.

- (6) Layout of electric power supply system.
 - Plan of electric power supply system including schematic diagrams, branch distribution lines, step-down facilities, emergency generating units, etc.
 - Monthly consumption schedule of electric power.
- (7) Layout of telecommunication system.
 - Plan of telecommunication system including schematic diagrams, telephone system lines, specifications of radio system and emergency units, etc.
- (8) Layout of air supply and ventilation system.
 - Plan of air supply and ventilation system including schematic diagram, specifications of equipments, supply lines, etc.
- (9) Plan of medical services.
 - Plan of first aid clinic excluding location and type of building, floor area, equipments, etc.
 - Proposed qualifications for the doctor, including years of service, speciality, etc.
- (10) Layout of other temporary facilities.
 - Descriptions, drawings, specifications, conditions, schedule or other items necessary to clarify the other temporary facilities proposed shall be covered.
- (11) Construction time schedule of the Preparatory Works including Construction Plant, and Temporary Works.

10-5. Assembly Drawings of Hydromechanical Equipment

As stipulated in the Technical Specifications.

10-6. Technical Particulars of Hydromechanical Equipment

The following schedule of Technical Particulars for Hydromechanical Equipment shall be filled in by the Tenderer. The Particulars will be binding on the Contractor and must not be changed without the written permission of PMO/Engineer:

(1) Diversion closing gate

- a. Total weight of one complete set of diversion closing gate _____ tons
- b. Steel material to be used for gate leaf and its allowable bending stress. _____ kgf/cm²
- c. Maximum lifting load of hoist designed _____ tons
- d. Electric Motor capacity of hoist to be used _____ Kw

(2) Guide metals for diversion gate

- a. Total weight _____ tons
- b. Steel material to be used and its allowable stress _____ Kgf/cm²

10-7. Any other information, which, in the opinion of the Tenderer, is important.

SCHEDULES OF PARTICULARS

SCHEDULE 11 - INFORMATION ON QUALIFICATION FOR WORKS
OF HYDROMECHANICAL EQUIPMENT

(Ref. to Clause IT. 19 of Instructions to Tenderers)

1. Name (s) and address (es) of the Tenderer himself or Sub-Contractor or manufacturer who will undertake the Works.

If he (or they) is Sub-Contractor or manufacturer, the power of attorney to the Tenderer shall be attached.

2. Types and scope of work undertaken by him.

3. Documents stating his qualification:

- (1) Reference and experience on designing, manufacturing and installing or supervising to install similar Plant and/or work required under this Tender Documents.

Descriptions should cover;

- Name and address of client.
- Name and location of project.
- Outlines of works, such as size, weight and number of gates, diameter, length and design water head of penstock, etc.
- Contract amount.
- Year of completion.

- (2) Financial statement of the firm.

- (3) Description of the manufacturing facilities, their location and their degree of availability for the Works.

- (4) Major item of erection and testing equipment, their present ownership and location, and the dates of their unrestricted availability.

- (5) Proposed site organization in particular relation with the Tenderer, availability of staff and typical resumes for key personnel.

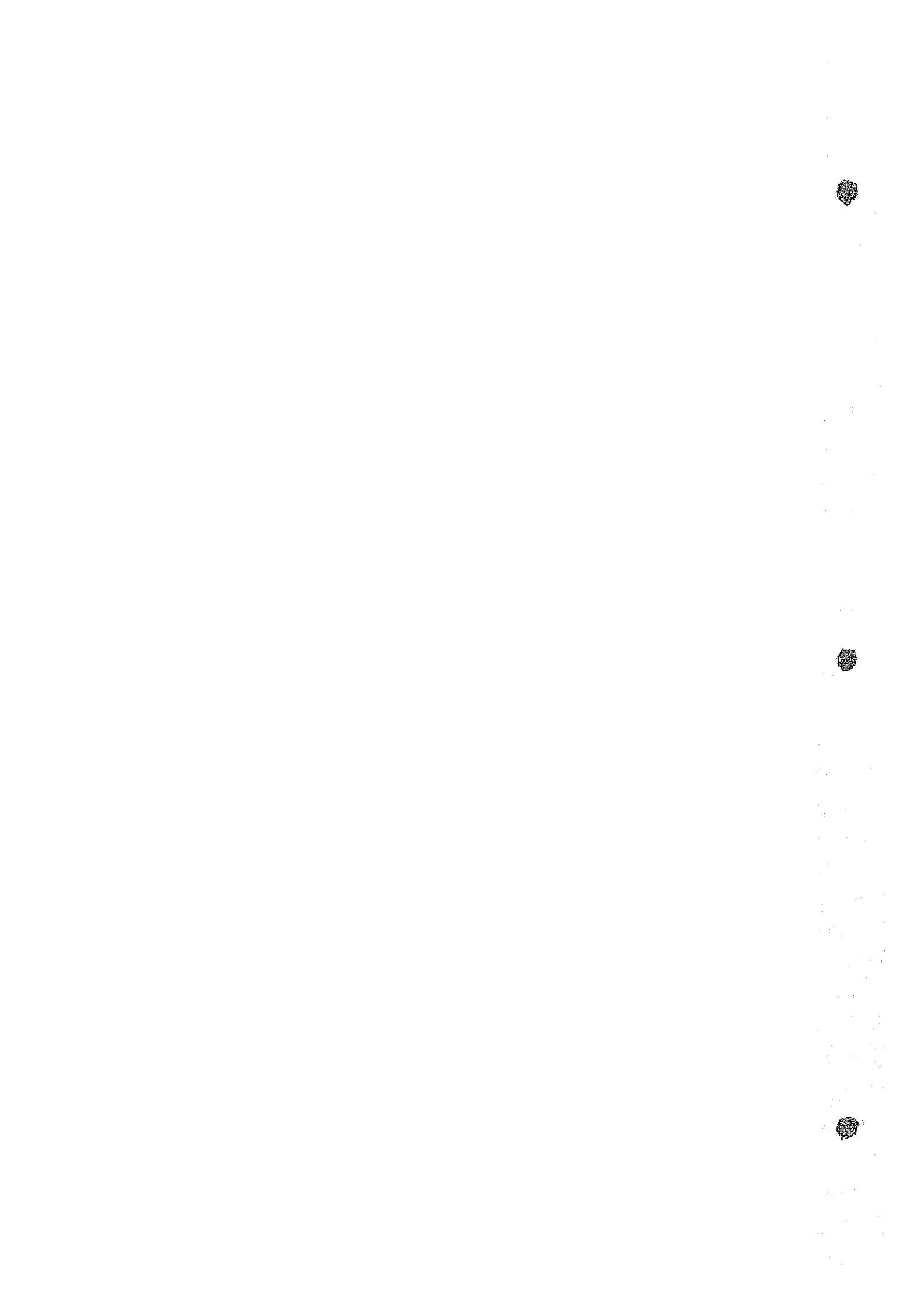
SCHEDULE OF PARTICULARS

SCHEDULE 12 - LIST OF SPARE PARTS OF CONSTRUCTION PLANT

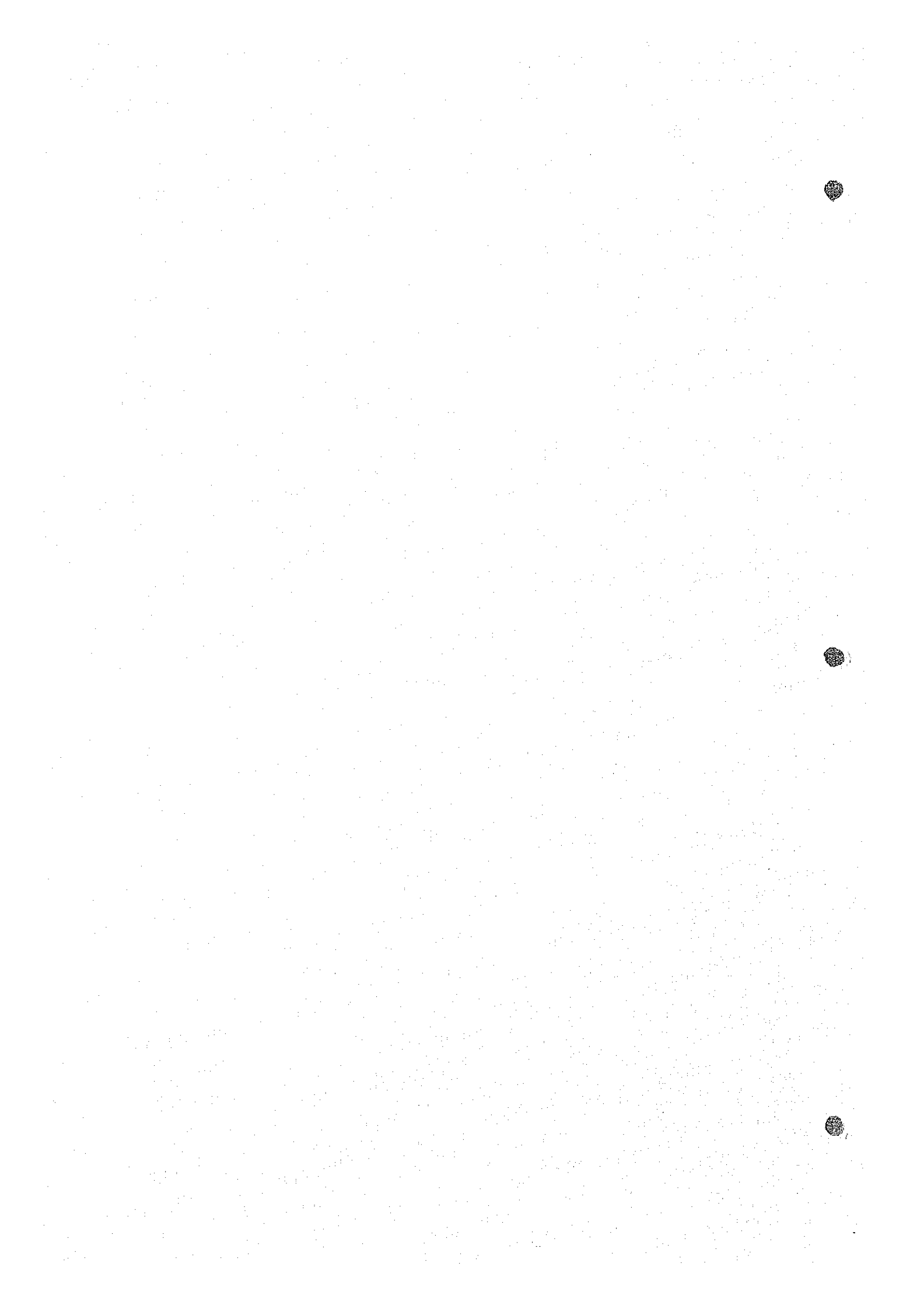
The Tenderer shall list spare parts of each Construction Plant required for maintenance thereof for the period of five (5) years after the time of completion of the Works and the prices for the supply of those spare parts.

Name of Construction Plant	Name of Spare Part	Unit	Quantity Δ	Unit Price for supply (¥ or U.S.\$)	Amount (¥ or U.S.\$)
1. Batcher plant	-	-	-	-	-
2. Concrete aggregate plant	-	-	-	-	-
3. Cement silo equipment	-	-	-	-	-
4. Waste water treatment facility	-	-	-	-	-
Total					

Note: Δ : The Tenderer shall fill in the quantity of spare parts required for maintenance of each Construction Plant for the period of five (5) years after the time of completion of the Works.







JICA