

SECTION 3

CONDITIONS OF CONTRACT

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Conditions of Contract

A. General

1. Definitions 1.1 Boldface type used to identify defined terms.

The Adjudicator is the person appointed jointly by the Employer and the Contractor to resolve disputes in the first instance, as provided for in Clauses 24 and 25 hereunder.

Bill of Quantities means the priced and completed bill of quantities forming part of the Bid.

Compensation Events are those defined in Clause 44 hereunder.

The Completion Date is the date of completion of the Works as certified by the Project manager, in accordance with Sub-Clause 55.1.

The Contract is the contract between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in Clause 2.3 below.

The Contractor is a person or corporate body whose Bid to carry out the Works has been accepted by the Employer.

The Contractor's Bid is the completed bidding document submitted by the Contractor to the Employer.

The Contract Price is the price stated in the letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days : months are calendar months.

Day Works are varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant.

A Defect is any part of the Works not completed in accordance with the Contract.

The Defects Liability Certificate is the certificate issued by Project Manager upon correction of defects by the Contractor.

The Defects Liability Period is the period named in the Contract Data and calculated from the Completion Date.

Drawings include calculation and other information provided or approved by the Project Manager for the execution of the Contract.

The Employer is the party who employs the Contractor to carry out the Works.

Equipment is the Contractor's machinery and vehicles brought temporarily on the site to construct the Works.

The Initial Contract Price is the Contract Price listed in the Employer's Letter of Acceptance.

The Intended Completion Date is the date on which it is intended that the Contractor shall complete the Works. The intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Project Manager by issuing an extension of time or an acceleration order.

Materials are all supplies, including consumables, used by the Contractor for incorporation in the Works.

Plant is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.

The Project Manager is the person named in the Contract data (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the Project Manager) who is responsible for supervising the execution of the Works and administering the Contract.

The Site is the area defined as such in the Contract Data.

Site Investigation Reports are those that were included in the bidding documents and are factual and interpretative reports about the surface and subsurface conditions at the site.

Specification means the specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager.

The Start Date is given in the Contract Data. It is the latest date when the Contractor shall commence execution of the Works. It does not necessarily coincide with any of the Site Possession dates.

A Subcontractor is a person or corporate body who has a contract with the Contractor to carry out a part of the work in the Contract, which includes work on the site.

Temporary Works are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.

A **Variation** is an instruction given by the Project Manager which Varies the Works.

The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation 2.1

In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way round. Headings have so significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Project Manager will provide instructions clarifying queries about these Conditions of Contract.

2.2 If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion date apply to any section of the Works (other than references to the Completion date and Intended Completion Date for the whole of the Works).

2.3 The documents forming the Contract shall be interpreted in the following order or priority :

- (1) Agreement,
- (2) Letter of Acceptance,
- (3) Contractor's Bid,
- (4) Contract data,
- (5) Condition of Contract,
- (6) Specification,
- (7) Drawings,
- (8) Bill of Quantities, and
- (9) Any other document listed in the Contract Data as forming part of the Contract

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| 3. Language and Law | 3.1 | The language of the Contract and the law governing the Contract are stated in the Contract Data. |
| 4. Project Manager's Decisions | 4.1 | Except where otherwise specifically stated, the Project Manager will decide contractual matters between the Employer and the Contractor in the role representing the Employer. |
| 5. Delegation | 5.1 | The Project Manager may delegate any of this duties and responsibilities to other people, except to the Adjudicator, after notifying the Contractor, and may cancel any delegation after notifying the Contractor. |
| 6. Communications | 6.1 | Communications between parties that are referred to in the conditions shall be effective only when in writing. A notice shall be effective only when it is delivered. |
| 7. Subcontracting | 7.1 | The Contractor may subcontract with the approval of the Project Manager, but may not assign the Contract without the approval of the Employer in writing. Subcontracting shall not alter the Contractor's obligations. |
| 8. Other Contractors | 8.1 | The Contractor shall co-operate and share the site with other contractors, public authorities, and the Employer between the dates given in the schedule of other Contractors, as referred to in the Contract Data. The Contractor shall also provide facilities and services for them as described in the schedule. The Employer may modify the schedule of other contractors, and shall notify the Contractor of any such modification. |
| 9. Personnel | 9.1 | The Contractor shall employ the key personnel named in the schedule of key Personnel, as referred to in the Contract Data, to carry out the functions stated in the Schedule or other personnel approved by the Project Manager. The Project Manager will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are substantially equal to or better than those of the personnel listed in the schedule. |

- 9.2 If the Project Manager asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's Risks

- 10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's Risks

- 11.1 From the Start Date until the Defects Correction Certificate has been issued, the following are Employer's risks :

the risks of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to

use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works or negligence, breach of statutory duty, or interference with any legal right by the Employer or by any person employed by their contract to him except the Contractor.

The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in the Employer's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.

- 11.2 From the Completion Date until the Defects Liability Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is an Employer's risk except loss or damage due to

- (1) a Defect which existed on the Completion Date,
- (2) an event occurring before the Completion Date, which was not itself an Employer's risks, or
- (3) the activities of the Contractor on the site after the completion Date.

12. Contractor's Risks

- 12.1 From the starting Date until the Defects Liability Certificate has been issued, the risks of personal injury, death, and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Employer's risks are Contractor's risks.

13. Insurance

- 13.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles stated in the Contract Data for the following events which are due to the Contractor's risks :

- (1) loss of or damage to the Works, Plant, and Materials;
- (2) loss of or damage to Equipment;
- (3) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract; and personal injury or death.

- 13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager for the Project Manager's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

- 13.3 If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer had paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.

- 13.4 Alterations to the terms of an insurance shall not be made without the approval of the Project Manager.

- 13.5 Both parties shall comply with any conditions of the insurance policies.

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| 14. Site Investigation Reports | 14.1 | The Contractor, in preparing the Bid, shall rely on any site Investigation Reports referred to in the Contract Data supplemented by any information available to the Bidder. |
| 15. Queries about the Contract Data | 15.1 | The Project Manager will clarify queries on the Contract Data. |
| 16. Contractor to Construct the Works | 16.1 | The Contractor shall construct and install the Works in accordance with the Specifications and Drawings. |
| 17. The Works to be Complete by the Intended Completion Date | 17.1 | The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Project Manager, and complete them by the Intended Completion Date. |
| 18. Approval by the Project Manager | 18.1 | The Contractor shall submit specifications and Drawings showing the proposed Temporary Works to the Project Manager, who is to approve them if they comply with the Specifications and Drawings. |
| | 18.2 | The Contractor shall be responsible for design of Temporary Works. |
| | 18.3 | The Project Manager's approval shall not alter the Contractor's responsibility for design of the Temporary Works. |
| | 18.4 | The Contractor shall obtain approval of third parties for the design of the Temporary Works, where required. |
| | 18.5 | All Drawings prepared by the Contractor for the execution of the Temporary or permanent Works, are subject to prior approval by the Project Manager before their use. |
| 19. Safety | 19.1 | The Contractor shall be responsible for the safety of all activities on the site. |

20. Discoveries 20.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site shall be the property of the Employer. The Contractor shall notify the Project Manager of such discoveries and carry out the Project Manager's instruction for dealing with them.
21. Possession of the site 21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data, the Employer will be deemed to have delayed the start of the relevant activities, and this will be a Compensation Event.
22. Access to the Site 22.1 The Contractor shall allow the Project Manager and any person authorized by the Project Manager access to the site and to any places where work in connection with the Contract is being carried out or is intended to be carried out.
23. Instructions, Inspections and Audits 23.1 The Contractor shall carry out all instructions of the Project Manager which comply with the applicable laws where the Site is located.
- 23.2 The Contractor shall permit the Bank to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditor appointed by the Bank if so required by the Bank.
24. Disputes 24.1 If the Contractor believes that a decision taken by the Project Manager was either outside the authority given to the Project Manager by the Contract or that the decision was wrongly taken, the decision shall be referred to the Adjudicator within fourteen (14) days of the notification of the Project Manager's decision.
25. Procedure for Disputes 25.1 The Adjudicator shall give a decision in writing within twenty-eight (28) days of receipt of a notification of a dispute.

25.2 The Adjudicator shall be paid by the hour at the rate specified in the Bidding Data and Contract Data, together with reimbursable expenses of the types specified in the Contract Data, and the cost shall be divided equally between the Employer and Contractor, whatever decision is reached by the Adjudicator. If either party does not accept the Adjudicator's decision, the matter shall be referred to an Arbitrator within twenty-eight (28) days of the Adjudicator's written decision. If neither party refers the dispute to arbitration within the above twenty-eight (28) days, the Adjudicator's decision will be final and binding.

25.3 The Arbitration shall be conducted in accordance with the arbitration procedure published by the institution named and in the place shown in the Contract Data.

**26. Replacement
of Adjudicator**

26.1 Should the Adjudicator resign or die, or should the Employer and the Contractor agree that the Adjudicator is not functioning in accordance with the provisions of the Contract, a new Adjudicator will be jointly appointed by the Employer and the Contractor. In case of disagreement between the Employer and the Contractor, within thirty (30) days, the Adjudicator shall be designated by the appointing authority designated in the Contract data at the request of either party, within fourteen (14) days of receipt of such request.

B. Time Control

27. Program

- 27.1 Within the time stated in the Contract Data, the Contractor shall submit to the Project Manager for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.
- 27.2 An update of the Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities.
- 27.3 The Contractor shall submit to the Project Manager for approval an updated Program at intervals no longer than the period stated in the Contract Data. If the Contractor does not submit an update Program within this period, the Project Manager may withhold the amount stated in the Contract Data from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program has been submitted.
- 27.4 The Project Manager's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Project Manager again at any time. A revised Program shall show the effect of Variations and Compensation Events.

28. Extensions of the Intended Completion Date

- 28.1 The Project Manager shall extend the intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work, which would cause the Contractor to incur additional cost.

28.2 The Project Manager shall decide whether and by how much to extend the Intended Completion Date within twenty-one (21) days of the Contractor asking the Project Manager for a decision upon the affect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

29. Acceleration

29.1 When the Employer wants the Contractor to finish before the Intended Completion Date, the Project Manager will obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Employer accepts these proposals, the Intended Completion Date will be adjusted accordingly and confirmed by both the Employer and the Contractor.

29.2 If the Contractor's priced proposals for an acceleration are accepted by Employer, they are incorporated in the Contract Price and treated as a Variation.

30. Delays Ordered by the Project Manager

30.1 The Project Manager may instruct the Contractor to delay the start or progress of any activity within the Works.

31. Management Meeting

31.1 Either the Project Manager or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.

31.2 The Project Manager shall record the business of management meetings and provide copies of the record to those attending the meeting and the Employer. The responsibility of the parties for actions to be taken shall be decided by the Project Manager either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.

- 32. Early Warning**
- 32.1** The Contractor shall warn the Project Manager at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of work, increase the Contract Price or delay the execution of the Works. The Project Manager may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.
- 32.2** The Contractor shall co-operate with the Project Manager in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Project Manager.

C. Quality Control

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| 33. Defects Identifying | 33.1 | The Project Manager shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not effect the Contractor's responsibilities. The Project Manager may instruct the Contractor to search for a Defect and uncover and test any work that the Project Manager considers may have a Defect. |
| 34. Tests | 34.1 | If the Project Manager instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect, the test shall be a Compensation Event. |
| 35. Correction of Defects | 35.1 | The Project Manager shall give notice to the Contract of any Defects before the end of the Defect Liability Period, which begins at Completion, and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as defects remain to be corrected. |
| | 35.2 | Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Project Manager's notice. |
| 36. Uncorrected Defects | 36.1 | If the Contractor has not corrected a Defect within the time specified in the Project Manager's notice, the Project Manager will assess the cost of having the defect corrected, and the Contractor will pay this amount. |

D. Cost Control

37. Bill of Quantities

37.1 The Bill of Quantities shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

37.2 The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item.

38. Change in Quantities

38.1 If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent, provided the change exceeds 1 percent of the Initial Contract Price, the Project Manager shall adjust the rate to allow for the change.

38.2 The Project Manager shall not adjust rates from changes in quantities if thereby the initial Contract Price is exceeded by more than 15 percent, except with the prior approval of the Employer.

38.3 If requested by the Project Manager, the Contractor shall provide the Project Manager with a detailed cost breakdown of any rate in the Bill of Quantities.

39. Variation

39.1 All Variations shall be included in updated Programs produced by the Contractor.

40. Payments for Variation

40.1 The Contractor shall provide the Project Manager with a quotation for carrying out the Variation when requested to do so by the Project Manager. The Project Manager shall assess the quotation, which shall be given within seven days of the request or within any longer period stated by the Project Manager and before the Variation is ordered.

40.2 If the work in the Variation corresponds with an item description in the Bill of Quantities and if, in the opinion of the Project Manager, the quantity of work above the limit stated in Sub-Clause 38.1 or the timing of its execution do not cause the cost per unit of quantity to change, the rate in the Bill of Quantities shall be used to calculate the value of the Variation. If the cost per unit of quantity changes, or if the nature of timing of the work in the Variation does not corresponds with items in the Bill of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of work.

40.3 If the Contractor's quotation is unreasonable, the Project Manager may order the Variation and make a change to the Contract Price, which shall be based on the Project Manager's own forecast of the effects of the Variation on the Contractor's cost.

40.4 If the Project Manager decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

40.5 The Contractor shall not be entitled to additional payment for cost that could have been avoided by given early warning.

41. Cash Flow Forecasts

41.1 When the Program is updated, the Contractor shall provide the Project Manager with an updated cash flow forecast. The cash flow forecast shall include different currencies, as defined in the Contract, converted as necessary using the Contract exchange rates.

42. Payment Certificates

42.1 The Contractor shall submit to the Project Manager monthly statement of the estimated value of the work executed less the cumulative amount certified previously.

42.2 The Project Manager shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.

42.3 The Value of work executed shall be determined by the Project Manager.

42.4 The Value of work executed shall comprise the value of quantities of the items in the Bill of Quantities completed.

42.5 The Value of work executed shall include the valuation of Variations and Compensation Events.

42.6 The Project Manager may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of late information.

43. Payments

43.1 Payments shall be adjusted for deductions for advance payments and retention. The Employer shall pay the Contractor the amounts certified by the Project Manager within twenty-eight (28) days of the date of each certificate. If the Employer makes a late payment, the Contractor shall be paid interest on the late payment in the next payment. Interest shall be calculated from the date by which the payment should have been made up to the date when the late payment is made at the prevailing rate of interest for commercial borrowing for each of the currencies in which payments are made.

43.2 Unless otherwise stated, all payments and deductions will be paid or charged in the proportions of currencies comprising the Contract Price.

43.3 Items of the Works for which no rate or price has been entered will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

44. Compensation Events

44.1 The following shall be Compensation Event;

- (1) The Employer does not give access to a part of the site by the site possession date stated in the Contract Data.
- (2) The Employer modifies the schedule of other Contractors in a way that affects

the work of the Contractor under the Contract.

- (4) The Project Manager orders a delay or does not issue Drawings, Specifications, or Instructions required for execution of the Works on time.
- (5) The Project Manager instructs the Contractor to uncover or to carry out additional test upon work, which is then found to have no Defects.
- (6) The Project manager unreasonably does not approve a subcontract to be let.
- (7) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the letter of Acceptance from the information issue to bidders (including the Investigation reports), from information available publicly and from a visual inspection of the site.
- (8) The Project Manager gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
- (9) Other Contractors, public authorities, utilities, or the Employer does not work within the dates and the other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.
- (10) The Advance payment is delayed.
- (11) The effects on the Contractor of any of the Employer's risks.
- (12) The Project Manager unreasonably delays issuing a certificate of the completion.
- (13) Other Compensation events described in the Contract or determined by the Project Manager shall apply.

44.2 If a Compensation event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date shall be extended.

44.3 As soon as information demonstrating the effect of each Compensation Event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager, and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager shall adjust the Contract Price based on the Project Manager's own forecast. The Project Manager will assume that the Contractor will react competently and properly to the event.

44.4 The Contractor shall not be entitled to compensation if he fails to act promptly to the extent that the Employer's interests are adversely affected by the Contractor's not having given early warning or not having co-operated with the Project Manager.

45. Tax

45.1 The Project Manager shall adjust the Contract Price if taxes, duties, and other levies are changed between the date twenty-eight (28) days before the submission of bids for the Contract and the date of the last completion certificate. The adjustment shall be for the changes which are not already reflected in the Contract Price or are result of Clause 47.

46. Currencies

46.1 Where payments are made in currencies other than the currency of the Employer's country, the exchange rates used for calculating the amounts to be paid shall be the exchange rates stated in the Contractor's Bid.

47. Price Adjustment

47.1 Prices shall be adjusted for fluctuations in the cost of inputs only if provided for in the Contract Data. If so provided, the amounts certified in each payment certificate, after deducting for advance Payment, shall be adjusted by applying the respective price adjustment factor to the payment amounts due in each currency. A separate formula of the type indicated below applies to each Contract currency :

$$P_c = A_c + B_c \text{ Imc} / \text{loc}$$

Where

P_c is the adjustment factor for the portion of the

Contract Price payable in a specific currency "c".

A_c and B_c are coefficients specified in the Contract Data, representing the nonadjustable and adjustable portions, respectively, of Contract Price payable in that specific currency "c"; and I_{mc} is the index prevailing at the end of the month being invoiced and I_{oc} is the index prevailing 28 days before Bid opening for inputs payable; both in the specific currency "c".

- 47.2 If value of the index is changed after it has been used in a calculation, the calculation shall be corrected and an adjustment made in the next payment certificate. The index value shall be deemed to take account of all changes in cost due to fluctuations in cost.

48. Retention

- 48.1 The Employer shall retain from each payment due to the Contractor the proportion stated in the Contract data until Completion of the whole of the Works.

- 48.2 On Completion of the whole of the Works, half the total amount retained shall be repaid to the Contractor and half when the Defects Liability Period has passed and the Project Manager has certified that all Defects notified by the Project Manager to the Contractor before the end of this period have been corrected.

- 48.3 On Completion of the whole Works, the Contractor may substitute retention money with an "on demand" Bank Guarantee.

49. Liquidated Damages

- 49.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date. Such liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payment due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

49.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager shall correct any overpayment of liquidated damages by repaying such amounts to the Contractor. The Contractor shall be paid interest on the overpayment, calculate from the date of payment to the date of repayment, at the rates specified in Sub-Clause 43.1.

50. Bonus

50.1 The Contractor shall be paid a Bonus calculated at the rate per calendar day stated in the Contract Data for each day (less any days for which the Contractor is paid for acceleration) that the Completion is earlier than the Intended Completion Date. The Project Manager shall certify that the works are complete, although they may not be due to be completed.

51. Advance Payment

51.1 The Employer shall make advance payment to the Contractor of the amounts stated in the Contract Data by the Date stated in the Contract Data, against provision by the Contractor of an Unconditional Bank guarantee in a form and by a bank acceptable to the Employer in amounts and currencies equal to the advance payment. The guarantee shall remain effective until the advance payment has been repaid but the amount of the guarantee may be reduced by the amount of the advance payment repaid by the Contractor. Interest will not be charged on advance payment.

51.2 The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilization expenses required specifically for execution of the Contract. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Project Manager.

51.3 The advance payment shall be repaid by deducting proportionate amounts from payment otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, Bonuses, or Liquidated Damages.

52. Securities

52.1 The performance security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer, and denominated in the types and proportions of the currencies in which the Contract Price is payable. The Performance security shall be valid until one year from the date of issue of the Completion certificate in the case of a Performance bond.

53. Day Works

53.1 If applicable, the Day Works rates in the Contractor's Bid shall be used for small additional amounts of work only when the Project Manager has given written instructions in advance for additional work to be paid for in that way.

53.2 All work to be paid for as Day Works shall be recorded by the Contractor on forms approved by the Project Manager.

53.3 The Contractor shall to be paid for Day Works subject to obtaining signed Day Works forms.

54. Cost of Repairs

54.1 Loss or damage to the Works or materials to be incorporated in the Works between the Start Date and the end of the Defects Liability Period shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing The Contract

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| 55. Completion | 55.1 | The Contractor shall request the Project Manager to issue a certificate of Completion of the Works, and the Project Manager will do so upon deciding that the Works are completed. |
| 56. Taking Over | 56.1 | The Employer shall take over the site and the Works within seven days of the Project Manager's issuing a Certificate of Completion. |
| 57. Final Account | 57.1 | The Contractor shall supply the Project Manager with a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Project Manager shall issue a Defects Liability Certificate and certify any final payment that is due to the Contractor within fifty-six (56) days of receiving the Contractor's account if it is correct and complete. If it is not, the Project Manager shall issue within fifty-six (56) days a schedule that states the scope of the corrections or additions that are necessary. If the final account is still unsatisfactory after it has been resubmitted, the Project Manager shall decide on the amount payable to the Contractor and issue a payment certificate. |
| 58. Operating and Maintenance Manuals | 58.1 | If "as built" Drawing and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data. |
| | 58.2 | If the Contractor does not supply the Drawing and/or manuals by the dates stated in the Contract Data, or they do not receive the Project Manager's Approval, the Project Manager shall withhold the amount stated in the Contract Data from payments due to the Contractor. |
| 59. Termination | 59.1 | The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract. |

59.2 Fundamental breaches of contract shall include, but shall not be limited to, the following :

- (a) the Contractor stops work for twenty-eight (28) days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Project manager,
- (b) the Project Manager instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within twenty-eight (28) days,
- (c) the Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation,
- (d) a payment certified by the Project Manager is not paid by the Employer to the Contractor within eighty-four (84) days of the date of the Project Manager's certificate,
- (e) The Project Manager gives notice that failure to correct a particular Defects is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager.
- (f) The Contractor does not maintain security, which is required, and
- (g) The Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in the Contract Data.
- (h) If the Contractor, in the judgement of Employer has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this paragraph:

"corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.

"Fraudulent practice" means a misrepresentation of fact in order to influence a procurement process or the execution of Contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial noncompetitive levels and to deprive the Borrower of the benefits of free and open competition."

59.3 When either party to the Contract gives notice of a breach of Contract to the Project Manager for a cause other than those listed under Sub- Clause 59.2 above, the Project Manager shall decide whether the breach is fundamental or not.

59.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

59.5 If the Contract is terminated, the Contractor shall stop work immediately, make the site safe and secure, and leave the site as soon as reasonably possible.

60. Payment upon Termination

60.1 If the Contract is terminated because of a fundamental breach of contract by the Contractor, the Project Manager shall issue a certificate for the value of the work done and Materials ordered less advance payment received up to the date of the issue of the certificate. Additional liquidated damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to Employer.

60.1 If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by Employer, the Project Manager shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and Contractor's cost of protecting and securing the Works, and less advance payments received up to the date of the certificate.

61. Property

61.1 All materials on the Site, Plant, Equipment, Temporary Works shall be deemed to be the property of the Employer if the Contract is terminated because of the Contractor's default.

62. Release from Performance

62.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Project Manager shall certify that the Contract has been frustrated. The Contractor shall make the site safe and stop works as quickly as possible after receiving this certificate and shall be paid for

all work carried out before receiving it and for any work carried out afterwards to which a commitment was made.

**63. Suspension of
Fund. Agency
Loan or Credit**

63.1 In the event that the Funding Agency suspends the loan or credit to the Employer, from which part of payments to the Contractor are being made:

- (a) The Employer is obligated to notify the Contractor of such suspension within seven (7) days of having received the Funding Agency's suspension notice.
- (b) If the Contractor has not received sums due it within the twenty-eight (28) days for payment provided for in Sub-Clause 43.1, the Contractor may immediately issue a fourteen (14)-day termination notice.

SECTION 4

CONTRACT DATA

SECTION 4

Contract Data

The following documents are also part of the Contract :

Contract Reference	Clause
- Schedule of Operating and Maintenance Manuals	[58]
- Schedule of Other Contractors	[8]
- The Schedule of Key Personnel	[9]
- Site Investigation Reports	[14]

The Borrower is the Government of the Republic of Indonesia [1.1]

The OECF means Overseas Economic Cooperation Fund of Japan [1.1]
a "loan/grant" refers to a FA Loan

The Employer is [1.1]

Name : The Directorate General of Water Resources
Development of the Ministry of Public Works
representing the Government of the Republic
of Indonesia

Address : JRATUNSELUNA River Basin Development
Project,
Jln. Brigen Sudiarto No 375, Semarang 50191,
Central Java, Indonesia

Name of authorized Representative :

The Project Manager is [1.1]

Name :

Address : JRATUNSELUNA River Basin Development
Project,
Jln. Brigen Sudiarto No 375, Semarang 50191,
Central Java, Indonesia

Name of authorized Representative :

The name and identification number of the Contract is

The Works consist of river improvement works for the Semarang and
Asin rivers, a pumping station, a retarding pond, gate works, building
works, other civil works and supply of maintenance equipment, more

particularly described elsewhere in the Bidding Documents.

The relationship of this contract package with others is described in clause 1.2 of the General Specification. [1.1]

The Start Date shall be [1.1]

During the construction of the Works other contractors will be involved in works for Package 1 : Semarang River Improvement and Package 3: Bandarharjo Drainage System Improvement. [8.1]

The key personnel are [9.1]

The Intended Completion Date for whole of the Works shall be [17,28]

The following documents also form part of the Contract :

- General Time Schedule
- Unit Rate Analysis for Major Pay Items
- Basic Prices
- Execution Plan
- Data Sheets

The institution is Badan Arbitrasi Nasional Indonesia [25.3]

The Contractor shall submit a revised Program for the works within 60 Days of delivery of the Letter of Acceptance [27]

The Site possession date shall be [21]

The site is located in Semarang City,
Central Java, Republic of Indonesia [1]
and is defined in drawing no

The Defect Liability Period is 365 days [35]

The minimum insurance covers shall be : [13]

- The maximum deductible for insurance of the Works and of plant and materials in respect of the Contractor's faulty design is

- The maximum deductible for insurance of Equipment is
- The minimum cover for loss or damage to equipment is
- The maximum deductible for insurance of other property is
- The minimum for insurance of other property is
- The minimum cover for personal injury or death insurance.....
- # for the Contractor's employees is
- # and for other people

Add the following clause

43.2 If an amount certified is increased in a later certificate or as result of an award by the Adjudicator or an Arbitrator, the Contractor shall be paid interest upon the delayed payment as set out in the clause 43.1. Compensations shall be calculated from the date upon which the increased amount would have certified in the absence of dispute.

Price adjustment shall only be applicable to the local currency portion of major pay items. [47]

The coefficients for adjustment of prices are :

- 15% percent nonadjustable element (coefficient A)
- 85% percent adjustable element (coefficient B)

The Index I for local currency will be

The portion of payment retained is 5% (five percent) [48]

The liquidated damages for the whole of the Works are 0.10% (one-tenth of one percent) per day [49]

The maximum amount of liquidated damages for the whole of the Works is five percent (5%) of the final Contract Price [49]

The bonus for the whole of the works is not applicable [50]

The Advance Payment will be [insert amount] and will be paid to the Contractor no later than [insert date]

The performance security shall be for the following minimum amount equivalent as a percentage of the Contract Price :

- (a) Bank Guarantee : ten percent (10 %)
- (b) Performance Bond : ten percent (10 %)

The standard form(s) of Performance Security acceptable to the Employer shall be an Unconditional Bank Guarantee, or a Performance Bond of the type presented in Section 8 of the Bidding Documents. [52]

The date by which operating and maintenance manuals are required is 30 days after the Completion date. [58]

The date by which "as built" drawings are required is 30 days after the Completion date. [58]

The amount to be withheld for failing to procedure "as built" drawings and/or operating and maintenance manuals by the date required is one half of one percent (0.5%) of the Contract Price. [58]

The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is fifteen percent (15%) percent of the value of the non-completed portion of the Works. [60]

SECTION 5

SPECIFICATION

(Refer to Volume 2)

SECTION 6

DRAWINGS

(Refer to Volume 3)

SECTION 7

BILL OF QUANTITIES

SECTION 7

Bill Of Quantities

PREAMBLE TO THE BILL OF QUANTITIES

1. The Bill of Quantities shall be read in conjunction with this Preamble, the Instructions to Bidders, the General Conditions of Contract, the Specifications, and the Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. For the purpose of ascertaining the value and amount of work done, the Works shall be measured at such frequency as may be necessary for the purpose of payment under Clause 42 (Payment Certificates) of the Conditions of Contract. Permanent Works shall be measured net, notwithstanding any general or local custom, except where otherwise specifically described or prescribed in the Contract.
4. Quantities of items in the Bill of Quantities shall be measured in accordance with the method of measurement described in Clause 9 of this Preamble.
5. The rates and prices bid in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include all Equipment, labour, supervision, materials, erection, maintenance, insurance, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract.
6. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
7. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of work.
8. General directions and descriptions of work and materials are not necessarily repeated nor summarised in the Bill of Quantities. References to the relevant sections of the contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
9. The method of measurement of completed work for payment shall be in accordance with Clause 1.21 of the General Specification and the relevant measurement and payment clause for each pay item in the Technical Specification.

10. Errors will be corrected by the Employer for any arithmetic errors in computation or summation as follows:

- (a) Where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and
- (b) Where there is a discrepancy between the unit rate and the total amount derived from the multiplication of the unit rate and the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer, there is an obviously gross misplacement of the decimal point in the unit rate, in which event the total amount as quoted will govern and the unit rate will be corrected.

11. Except where otherwise specified or detailed in the Bill of Quantities labour, including the supervision thereof, materials, construction plant and equipment, temporary works, transport to and from the Site and in and about the Works and all other resources of any kind required for the execution, completion and rectification of defects of the Works shall not be measured and the cost thereof shall be deemed to be included in the prices of other items in the Bill Quantities.

12. Where the Contract provides for part of the Contract Price to be payable in a Foreign portion Currency and part in a local portion, the total price shall be the sum the of the Foreign Currency portion and local currency portions plus an enhancement of 10% for Indonesian value-added tax (VAT).

13. Where reference is made in the Bill of Quantities to specific Drawings or parts of the Specification or Conditions of Contract, unless otherwise stated, such references shall not limit general requirements stated elsewhere in the Contract.

PACKAGE 2: ASIN DRAINAGE SYSTEM IMPROVEMENT

SUMMARY OF BILL OF QUANTITIES

Bill No.	General Summary	Amount	
		Foreign Portion Rp	Local Portion Rp
A	GENERAL		
B	SEMARANG RIVER IMPROVEMENT		
C	ASIN RIVER IMPROVEMENT		
D	ASIN PUMPING STATION		
E	ASIN PUMPING STATION GATE		
F	BUILDINGS		
G	ASIN RETARDING POND		
H	MISCELLANEOUS WORKS		
I	SUPPLYING MAINTENANCE EQUIPMENT		
Total of Bills			

Sum of Foreign and Local Portions

Value-added Tax

Bid Price

Exchange Rate(s) used by Bidder in determining foreign portion of bid price:

1 Japanese Yen = Indonesian Rupiah

1 US dollar = Indonesian Rupiah

Note:

Bidders shall quote applicable exchange rate(s) if different to rate determined in clause 14.1 of the Instructions to Bidders (i.e. rates prevailing 28 days prior to the deadline for submission of bids.

Package-2 : Asin River Drainage System Improvement
BILL OF QUANTITIES

Item No	BQ Item	Unit	Quantity	Unit Rate (rupiah)		Amount (rupiah)			Payment Clause
				F/C	L/C	F/C	L/C	Total	
A	GENERAL								
A 1	Mobilization and Demobilization	L.S.	1						GS 1.7.4
A 2	Establishment								
A 2.1	Contractor's Site Office and Facilities	L.S.	1						GS 1.8.5.1
A 2.2	Engineer's Site Office and Facilities	L.S.	1						GS 1.8.5.2
A 3	Drawings	L.S.	1						GS 1.4.6
A 4	Surveying	L.S.	1						GS 1.17.5
A 5	Relocation/Demolition of Existing Facilities								
A 5.1	Demolition of Existing Pumping Stations	No.	6						TS 1.7.3
A 5.2	Felling and Grubbing of existing trees	L.S.	1						TS 1.7.1
A 5.3	Relocation of Existing Facilities	L.S.	1						TS 1.7.5
Sub total for Bill A. General :									
B	SEMARANG RIVER IMPROVEMENT								
B.1	Preparatory Works								
B.1.1	Coffering and Dewatering	L.S.	1						TS 1.7.2
B.1.2	Clearing of Garbage	L.S.	1						TS 1.7.4
B.2	Channel Excavation								
B.2.1	Common channel excavation including hauling and spoiling	m3	23,400						TS 2.6.2.1
B.2.2	Excavation below water level including hauling and treatment of contaminated soil	m3	40,200						TS 2.6.2.1
B.3	Revetment Type A-1								
B.3.1	Structural Excavation	m3	2,830						TS 2.6.2.3
B.3.2	Backfill with Cobble	m3	444						TS 2.6.3.2
B.3.3	Backfill with Gravel	m3	1,120						TS 2.6.3.2
B.3.4	Backfill with Sandy Soil	m3	207						TS 2.6.3.2
B.3.5	Concrete, Type C1 including Formwork	m3	240						TS 3.6.1
B.3.6	Concrete, Type E including Formwork	m3	68						TS 3.6.1
B.3.7	Deformed Reinforcing Bars	kg	13,390						TS 3.6.2
B.3.8	Wet Stone Masonry	m3	1,630						TS 17.4
B.3.9	Pointing	m2	4,650						TS 17.4
B.3.10	Weep Hole, Dia 50mm	No.	845						TS 19.4
B.3.11	Log Pile, Dia 150 mm, L=3.0m	m	866						TS 16.4
B.3.12	Gabion Mattress t=500mm (Galvanized)	m3	441						TS 18.4
B.4	Revetment Type C (concrete sheet pile)	0	0						
B.4.1	Furnishing and Driving PC Sheet Pile(t=220 mm)	m	7,947						TS 14.7.3
B.4.2	Concrete, Type C1 including Formwork	m3	41						TS 3.6.1
B.4.3	Deformed Reinforcing Bars	kg	4,920						TS 3.6.2
B.5	Dike Raising	0	0						
B.5.1	Structural Excavation	m3	260						TS 2.6.2.3
B.5.2	Backfill with Selected Soil	m3	129						TS 2.6.3.2
B.5.3	Sand Bedding	m3	30						TS 2.6.3.3
B.5.4	Wet Stone Masonry	m3	290						TS 17.4
B.5.5	Joint Filler, 10mm thick (Elastic Material)	m2	15						TS 3.6.3
B.5.6	Pointing	m2	625						TS 17.4
B.6	Inspection Road	0	0						
B.6.1	Stripping of Top Soil	m3	1,256						TS 2.6.1
B.6.2	Embankment	m3	5,598						TS 2.6.3.1
B.6.3	Aggregate Class A	m3	1,042						TS 20.9
B.6.4	Aggregate Class B	m3	1,573						TS 20.9
B.6.5	Sand Bedding	m3	505						TS 20.9
B.6.6	Concrete Block Pavement	m2	8,034						TS 20.9
B.6.7	Cement Mortar	m3	19						TS 20.9
B.6.8	Concrete Kerb	m3	194						TS 20.9
B.6.9	Sodding	m2	6,029						TS 2.6.4
Sub total for Bill B Semarang River Improvement :									
C	ASIN RIVER IMPROVEMENT								
C.1	Preparatory Works								
C.1.1	Coffering and Dewatering	L.S.	1						TS 1.7.2
C.1.2	Clearing of Garbage	L.S.	1						TS 1.7.4
C.1.3	Demolition of Existing Revetment	L.S.	1						TS 1.7.3
C.2	Channel Excavation								
C.2.1	Common channel excavation including hauling and treatment of contaminated soil	m3	35,000						TS 2.6.2.1
C.3	Revetment Type A-2 (lower channel)								
C.3.1	Structural Excavation	m3	6,020						TS 2.6.2.3
C.3.2	Backfill with Cobble	m3	689						TS 2.6.3.2
C.3.3	Backfill with Gravel	m3	2,106						TS 2.6.3.2
C.3.5	Concrete, Type C1 including Formwork	m3	1,064						TS 3.6.1
C.3.6	Concrete, Type E including Formwork	m3	303						TS 3.6.1
C.3.7	Deformed Reinforcing Bars	kg	50,880						TS 3.6.2
C.3.8	Wet Stone Masonry	m3	1,670						TS 17.4
C.3.9	Weep Hole, Dia 50mm	No.	2,158						TS 19.4
C.3.10	Log Pile, Dia 150mm, L=4m	m	8,890						TS 16.4
C.3.11	Joint Filler, 10mm thick (Elastic Material)	m2	66						TS 3.6.3

Package-2 : Asin River Drainage System Improvement

BILL OF QUANTITIES

Item No.	BQ Item	Unit	Quantity	Unit Rate (rupiah)		Amount (rupiah)			Payment Clause
				F/C	L/C	F/C	L/C	Total	
C.4	Revetment Type B (higher channel)								
C.4.1	Structural Excavation	m3	30,840						TS 2.6.2.3
C.4.2	Backfill with Cobble	m3	2,260						TS 2.6.3.2
C.4.3	Backfill with Gravel	m3	4,730						TS 2.6.3.2
C.4.4	Backfill with Sandy Soil	m3	16,823						TS 2.6.3.2
C.4.6	Concrete, Type E including Formwork	m3	675						TS 3.6.1
C.4.8	Wet Stone Masonry	m3	9,150						TS 17.4
C.4.9	Pointing	m2	1,246						TS 17.4
C.4.10	Weep Hole, Dia 50mm	No	4,316						TS 19.4
C.4.11	Log Pile, Dia. 150mm, L=4m	m	71,119						TS 16.4
C.5	Revetment Type C (concrete sheet pile)								
C.5.1	Furnishing and Driving PC Sheet Pile (t=220 mm)	m	2,522						TS 14.7.3
C.5.2	Concrete, Type C1 including Formwork	m3	15						TS 3.6.1
C.5.3	Deformed Reinforcing Bars	kg	860						TS 3.6.2
C.6	Inspection Road								
C.6.1	Sand Bedding	m3	740						TS 20.9
C.6.2	Concrete Block Pavement	m2	11,764						TS 20.9
C.6.3	Cement Mortar	m3	29						TS 20.9
C.6.4	Concrete Kerb	m3	283						TS 20.9
C.6.5	Aggregate Class A	m3	220						TS 20.9
C.6.6	Aggregate Class B	m3	247						TS 20.9
C.7	Asin Box Culvert								
C.7.1	Coffering and Dewatering	L.S.	1						TS 1.7.2
C.7.2	Structural Excavation with Shoring	m3	5,740						TS 2.6.2.3
C.7.3	Backfill with Sandy Soil	m3	2,337						TS 2.6.3.2
C.7.4	Concrete, Type C1 including Formwork, Scaffolding, and Falsework	m3	1,035						TS 3.6.1
C.7.5	Concrete, Type E including Formwork	m3	96						TS 3.6.1
C.7.6	Deformed Reinforcing Bars	kg	100,980						TS 3.6.2
C.7.7	Water Stop, 200 mm wide	m	223						TS 3.6.4
C.7.8	Gravel Bedding	m3	109						TS 2.6.3.3
C.7.9	Cobble Stone	m3	20						TS 2.6.3.3
C.7.10	Wet Stone Masonry	m3	610						TS 17.4
C.7.11	Log Pile, Dia. 150mm, L=3.0m	m	455						TS 16.4
C.7.12	Weep Hole, Dia 50mm	No	75						TS 19.4
C.7.13	Pointing	m2	465						TS 17.4
C.7.14	Asphalt Concrete	ton	115						TS 20.9
C.7.15	Asphalt Treated Base	ton	115						TS 20.9
C.7.16	Aggregate Class A	m3	195						TS 20.9
C.7.17	Aggregate Class B	m3	279						TS 20.9
C.8	Asin No.1 Bridge								
	(Superstructure)								
C.8.1	Precast Prestressed Concrete Beam including tensioning and erection	L.S.	1						TS 4.15
C.8.2	Precast Prestressed Concrete Diaphragm including tensioning and erection	L.S.	1						TS 4.15
C.8.3	Precast Concrete Panel Including Erection	L.S.	1						TS 4.15
C.8.4	Deformed Reinforcing Bars	kg	15,120						TS 3.6.2
C.8.5	Concrete, Type B including Scaffolding and Formwork	m3	71						TS 3.6.1
C.8.6	Asphalt concrete	ton	34						TS 20.9
C.8.7	Expansion Joint	m	21						TS 23.3.2
C.8.8	Hand Rail	kg	50						TS 23.3.1
C.8.9	Drain Pipe, PVC Pipe Dia. 100 mm	m	12						TS 23.5
C.8.10	Utility Pipe, PVC Pipe Dia. 150 mm	m	63						TS 23.5
C.8.11	Elastomeric Bearing Pad (350 x 280 x 73)	No	12						TS 11.5
C.8.12	Rubber Sheet (40 x 10 x 3)	No	12						
	(Sub Structure)								
C.8.13	Structural Excavation	m3	1,350						TS 2.6.2.3
C.8.14	Backfill with Sandy Soil	m3	465						TS 2.6.3.2
C.8.15	Embankment	m3	446						TS 2.6.3.1
C.8.16	Furnishing and Driving PC Piles, Dia. 500 mm, Type A	m	1,298						TS 14.7.2
C.8.17	Furnishing and Driving PC Test Pile, Dia. 500mm, Type A	m	19						TS 14.7.1
C.8.18	Concrete, Type C1 including Formwork and Scaffolding	m3	326						TS 3.6.1
C.8.19	Concrete, Type E including Formwork	m3	15						TS 3.6.1
C.8.20	Deformed Reinforcing Bars	kg	20,970						TS 3.6.2
C.8.21	Wet Stone Masonry	m3	200						TS 17.4
C.8.22	Weep Hole, Dia 50mm	No	70						TS 19.4
C.8.23	Pointing	m2	235						TS 17.4
C.9	Asin No 2 Bridge								
	(Super Structure)								
C.9.1	Precast Prestressed Concrete Beam including tensioning and erection	L.S.	1						TS 4.15
C.9.2	Precast Prestressed Concrete Diaphragm including tensioning and erection	L.S.	1						TS 4.15
C.9.3	Precast Concrete Panel Including Erection	L.S.	1						TS 4.15
C.9.4	Deformed Reinforcing Bars	kg	5,360						TS 3.6.2
C.9.5	Concrete, Type B including Scaffolding and Formwork	m3	51						TS 3.6.1
C.9.6	Asphalt Concrete	ton	29						TS 20.9
C.9.7	Expansion Joint	m	19						TS 23.3.2
C.9.8	Hand Rail	kg	50						TS 23.3.1
C.9.9	Drain Pipe, PVC Pipe Dia. 100 mm	m	12						TS 23.6

Package-2 : Asin River Drainage System Improvement
BILL OF QUANTITIES

Item No	BQ Item	Unit	Quantity	Unit Rate (rupiah)		Amount (rupiah)			Payment Clause
				F/C	L/C	F/C	L/C	Total	
C.9.10	Elastomeric Bearing Pad (Size 350 x 280 x 73)	No	10						TS 11.5
C.9.11	Rubber Sheet (40 x 10 x 3)	No	10						TS 11.5
	(Sub Structure)								
C.9.12	Structure Excavation	m3	1,120						TS 2.6.2.3
C.9.13	Backfill with Sandy Soil	m3	380						TS 2.6.3.2
C.9.14	Embankment	m3	378						TS 2.6.3.1
C.9.15	Furnishing and Driving PC Piles, Dia. 500 mm, Type A	m	1,113						TS 14.7.2
C.9.16	Furnishing and Driving PC Test Pile, Dia. 500mm, Type A	m	38						TS 14.7.1
C.9.17	Concrete, Type C1 including Formwork and Scaffolding	m3	277						TS 3.6.1
C.9.18	Concrete, Type E including Formwork	m3	14						TS 3.6.1
C.9.19	Deformed Reinforcing Bars	kg	15,110						TS 3.6.2
C.9.20	Wet Stone Masonry	m3	230						TS 17.4
C.9.21	Weep Hole, Dia 50mm	No	60						TS 19.4
C.9.22	Pointing	m2	244						TS 17.4
C.10	Water Supply Pipe Reconstruction								
C.10.1	Coffering and Dewatering	L.S.	1						TS 1.7.2
C.10.2	Structural Excavation	m3	620						TS 2.6.2.3
C.10.3	Backfill	m3	577						TS 2.6.3.2
C.10.4	Concrete, Type C1 including Formwork	m3	37						TS 3.6.1
C.10.5	Concrete, Type E including Formwork	m3	3						TS 3.6.1
C.10.6	Deformed Reinforcing Bars	kg	3,430						TS 3.6.2
C.10.7	Pipe Connection Works	L.S.	1						TS 23.5
C.11	Telephone Cable Duct Reconstruction								
C.11.1	Coffering and Dewatering	L.S.	1						TS 1.7.2
C.11.2	Structural Excavation	m3	310						TS 2.6.2.3
C.11.3	Backfill	m3	297						TS 2.6.3.2
C.11.4	Concrete, Type C1 including Formwork	m3	11						TS 3.6.1
C.11.5	Concrete, Type E including Formwork	m3	2						TS 3.6.1
C.11.6	Deformed Reinforcing Bars	kg	950						TS 3.6.2
C.11.7	Cable Connection Works	L.S.	1						TS 23.5
C.12	Secondary Channel Outlet Reconstruction								
C.12.1	Structural Excavation	m3	430						TS 2.6.2.3
C.12.2	Backfill	m3	110						TS 2.6.3.2
C.12.3	Concrete, Type C1 including Formwork and Falsework	m3	39						TS 3.6.1
C.12.4	Concrete, Type E including Formwork	m3	8						TS 3.6.1
C.12.5	Deformed Reinforcing Bars	kg	3,330						TS 3.6.2
C.12.6	Wet Stone Masonry	m3	210						TS 17.4
C.12.7	Pointing	m2	35						TS 17.4
C.12.8	Gravel Filling	m3	148						TS 2.6.3.3
C.12.9	Gravel Bedding	m3	130						TS 2.6.3.3
C.12.10	Cobble Stone	m3	2						TS 2.6.3.3
C.12.11	Weep Hole, Dia 50mm	No	132						TS 19.4
C.12.12	Log Pile, Dia. 150 mm L=2.0 m	m	195						TS 16.4
Sub total for Bill C Asin River Improvement :									
D	ASIN PUMPING STATION								
D.1	Preparatory Works								
D.1.1	Coffering and Dewatering	L.S.	1						TS 1.7.2
D.1.2	Clearing of Garbage	L.S.	1						TS 1.7.4
D.1.3	Demolition of Existing Revetment	L.S.	1						TS 1.7.3
D.2	Pumping Station								
D.2.1	Structural Excavation	m3	1,400						TS 2.6.2.3
D.2.2	Backfill	m3	115						TS 2.6.3.2
D.2.3	Embankment	m3	1,005						TS 2.6.3.1
D.2.4	Concrete, Type C1 including Formwork, Scaffolding and Falsework	m3	1,176						TS 3.6.1
D.2.5	Concrete, Type E including Formwork	m3	70						TS 3.6.1
D.2.6	Secondary Concrete, Type C2	m3	138						TS 3.6.1
D.2.7	Deformed Reinforcing Bars	kg	82,230						TS 3.6.2
D.2.8	Water Stop, 200 mm wide	m	47						TS 3.6.4
D.2.9	Dowel Bar Dia. 19 mm, 1 m Long (Round Bar and PVC Pipe)	kg	308						TS 3.6.2
D.2.10	Furnishing and Driving PC Piles, Dia. 500 mm, Type A	m	3,765						TS 14.7.2
D.2.11	Furnishing and Driving PC Test Pile, Dia. 500 mm, Type A	m	21						TS 14.7.1
D.2.12	Furnishing and Driving Steel Sheet Pile, Type II	m	503						TS 15.5
D.2.13	Furnishing and Driving PC Sheet Piles (t=220 mm)	m	499						TS 14.7.3
D.2.17	Gabion Mattress, t=500 mm (Galvanized)	m3	52						TS 18.4
D.2.14	Safety Hand Rail (Type-I)	kg	1,180						TS 23.3.1
D.2.15	Safety Hand Rail (Type-II)	kg	630						TS 23.3.1
D.2.16	Wet Stone Masonry	m3	40						TS 17.4
D.2.18	Pointing	m2	45						TS 17.4
D.2.19	Weep Hole, Dia 50mm	No	12						TS 19.4
D.3	Pump Mechanical Works								
D.3.1	Furnishing and Installing Main Pump Units	set	3						TS 24.10.1
D.3.2	Gear Boxes	set	3						TS 24.10.1
D.3.3	Diesel Engine Units	set	3						TS 24.10.2
D.3.4	Fuel Service Tank	set	1						TS 24.10.3
D.3.5	Fuel Transfer Pump	set	1						TS 24.10.3
D.3.6	Auxiliary Drainage Pump	L.S.	1						TS 24.10.5
D.3.7	Overhead Crane	set	1						TS 24.10.6

Package-2 : Asin River Drainage System Improvement

BILL OF QUANTITIES

Item No.	BQ Item	Unit	Quantity	Unit Rate (rupiah)		Amount (rupiah)			Payment Clause
				F/C	L/C	F/C	L/C	Total	
D.3.8	Piping System	L.S.	1						TS 24.10.1
D.3.9	Inspection and Test	L.S.	1						TS 24.10.8
D.3.10	Spare Parts	L.S.	1						TS 24.10.9
D.3.11	Maintenance Tools	L.S.	1						TS 24.10.9
D.4	Pump Electrical Works								
D.4.1	Main Control Panel	L.S.	1						TS 25.8.1
D.4.2	Local Switch	L.S.	1						TS 25.8.2
D.4.3	Inspection and Test	L.S.	1						TS 25.8.3
D.4.4	Spare Parts	L.S.	1						TS 25.8.4
D.4.5	Maintenance Tools	L.S.	1						TS 25.8.5
D.4.6	Control Panels for Auxiliary Drainage Pumps	L.S.	1						TS 25.8.6
D.4.7	Generator System	L.S.	0						TS 25.8.7
D.5	Inspection Bridges								
D.5.1	Concrete, Type B including Formwork	m3	57						TS 3.6.1
D.5.2	Deformed Reinforcing Bars	kg	3,150						TS 3.6.2
D.5.3	Safety Hand Rail (Type I)	kg	210						TS 23.3.1
D.6	Asin Pumping Station Bridge								
	Superstructure								
D.6.1	Precast Prestressed Concrete Beam including Tensioning and Erection	L.S.	1						TS 4.15
D.6.2	Precast Prestressed Concrete Diaphragm including Tensioning and Erection	L.S.	1						TS 4.15
D.6.3	Precast Concrete Panel including Erection	L.S.	1						TS 4.15
D.6.4	Deformed Reinforcing Bars	kg	4,760						TS 3.6.2
D.6.5	Concrete, Type B including Formwork	m3	35						TS 3.6.1
D.6.6	Asphalt Concrete	ton	20						TS 20.9
D.6.7	Expansion Joint	m	12						TS 23.3.2
D.6.8	Hand Rail	kg	50						TS 23.3.1
D.6.9	Drain Pipe, PVC Pipe Dia. 100 mm	m	12						TS 23.6
D.6.11	Elastomeric Bearing Pad (350 x 280 x 73)	No.	6						TS 11.5
D.6.12	Rubber Sheet (40 x 10 x 3)	No.	6						TS 11.5
	(Sub Structure)								
D.6.13	Structure Excavation	m3	340						TS 2.6.2.3
D.6.14	Backfill with Sandy Soil	m3	292						TS 2.6.3.2
D.6.15	Furnishing and Driving PC Piles, Dia. 500 mm	m	927						TS 14.7.2
D.6.16	Furnishing and Driving PC Test Pile, Dia. 500mm	m	38						TS 14.7.1
D.6.17	Concrete, Type C1 including Formwork and Scaffolding	m3	140						TS 3.6.1
D.6.18	Concrete, Type E including Formwork	m3	10						TS 3.6.1
D.6.19	Deformed Reinforcing Bars	kg	14,610						TS 3.6.2
D.7	Fuel Tank								
D.7.1	Structural Excavation	m3	690						TS 2.6.2.3
D.7.2	Backfill	m3	564						TS 2.6.3.2
D.7.3	Concrete, Type C1 including Formwork	m3	52						TS 3.6.1
D.7.4	Concrete, Type E including Formwork	m3	4						TS 3.6.1
D.7.5	Deformed Reinforcing Bars	kg	7,220						TS 3.6.2
D.7.6	Fuel Tank and Accessories	L.S.	1						TS 24.10.3
D.7.7	Grounding	L.S.	1						TS 24.10.3
Sub total for Bill D Asin Pumping Station :									
E	ASIN PUMPING STATION GATE								
E.1	Gate Pier and Foundation								
E.1.1	Structural Excavation	m3	470						TS 2.6.2.3
E.1.2	Backfill with Sandy Soil	m3	225						TS 2.6.3.2
E.1.3	Concrete, Type C1 including Formwork, Scaffolding, and Falsework	m3	406						TS 3.6.1
E.1.4	Concrete, Type E including Formwork	m3	19						TS 3.6.1
E.1.5	Secondary Concrete, Type C2	m3	10						TS 3.6.1
E.1.6	Deformed Reinforcing Bars	kg	26,060						TS 3.6.2
E.1.7	Water Stop, 200 mm wide	m	13						TS 3.6.4
E.1.8	Dowel Bar, Dia. 19 mm, 1.0 m Long (Round Bar and PVC Pipe)	kg	120						TS 3.6.2
E.1.9	Furnishing and Driving PC Piles, Dia. 500 mm	m	582						TS 14.7.2
E.1.10	Furnishing and Driving Steel Sheet Pile, Type II	m	454						TS 15.5
E.1.11	Gabion Mattress (±500 mm (Galvanized)	m3	38						TS 18.4
E.1.12	Safety Hand Rail (Type-I)	kg	300						TS 23.3.1
E.1.13	Ladder	L.S.	1						TS 23.3.3
E.1.14	Window	L.S.	1						TS 27.4
E.1.15	Door	L.S.	1						TS 27.4
E.1.16	Roof Sealing	L.S.	1						TS 27.4
E.2	Gate Mechanical Works								
E.2.1	Gate Leaf	set	2						TS 24.10.7
E.2.2	Guide Frame	set	2						TS 24.10.7
E.2.3	Hoist	set	2						TS 24.10.7
E.2.4	Stop Log	set	2						TS 24.10.7
E.2.5	Spare Part	L.S.	1						TS 24.10.7
Sub total for Bill E Asin Pumping Station Gate :									
F	BUILDINGS								
F.1	Buildings								
F.1.1	Pump Control Building	L.S.	1						TS 27.4
F.1.2	Management Office	L.S.	1						TS 27.4

Package-2 : Asin River Drainage System Improvement
BILL OF QUANTITIES

Item No.	BQ Item	Unit	Quantity	Unit Rate (rupiah)		Amount (rupiah)			Payment Clause
				F/C	L/C	F/C	L/C	Total	
F.1.3	Garage	L.S.	1						TS 27.4
F.1.4	Staff House	L.S.	1						TS 27.4
F.1.5	External Works	L.S.	1						TS 27.4
Sub total for Bill F Buildings :									
G	ASIN RETARDING POND								
G 1	Earth Works								
G 1.1	Common Excavation including Hauling and Spoiling	m3	34,200						TS 2 6 2 3
0	Embankment	m3	4,843						TS 2 6 3 1
G 2	Revetment Works								
G 2.1	Coffering and Dewatering	L.S.	1						TS 1 7 2
G 2.2	Structural Excavation	m3	3,090						TS 2 6 2 3
G 2.3	Backfill with Cobble	m3	649						TS 2 6 3 2
G 2.4	Backfill with Gravel	m3	557						TS 2 6 3 2
G 2.5	Backfill with Sandy Soil	m3	6						TS 2 6 3 2
G 2.6	Wet Stone Masonry	m3	1,440						TS 2 6 3 2
G 2.7	Concrete, Type C1 including Formwork	m3	155						TS 3 6 1
G 2.8	Concrete, Type E including Formwork	m3	36						TS 3 6 1
G 2.9	Deformed Reinforcing Bars	kg	15,990						TS 3 6 2
G 2.10	Pointing	m2	1,895						TS 17.4
G 2.11	Weep Hole, Dia. 50mm	No.	292						TS 19.4
G 2.12	Log Pile, Dia. 150 mm L=20 m	m	2,225						TS 16.4
G 2.13	Furnishing and Driving PC Sheet Pile (t=220 mm)	m	8,789						TS 14.7 3
G 3	Inspection Road								
G 3.1	Stripping of Top Soil	m3	748						TS 2 6 1
G 3.2	Embankment	m3	951						TS 2 6 3 1
G 3.3	Aggregate Class A	m3	588						TS 20.9
G 3.4	Aggregate Class B	m3	893						TS 20.9
G 3.5	Sand Bedding	m3	236						TS 20.9
G 3.6	Concrete Block Pavement	m2	3,736						TS 20.9
G 3.7	Cement Mortar	m3	10						TS 20.9
G 3.8	Concrete Kerb	m3	91						TS 20.9
Sub total for Bill G Asin Retarding Pond :									
H	MISCELLANEOUS WORKS								
H 1	Tree Planting	L.S.	1						TS 21.4
H 2	Staff Gauge	L.S.	1						TS 23.6
Sub total for Bill H Miscellaneous Works :									
I	SUPPLYING MAINTENANCE EQUIPMENT								
I.1	Supplying Maintenance Equipment								
I.1.1	Supply of Backhoe (spec)	No.	1						TS 26.5
I.1.2	Supply of Dump Truck (spec)	No.	1						TS 26.5
I.1.3	Supply of Truck Crane (spec)	No.	1						TS 26.5
I.1.4	Supply of Garbage Container	No.	2						TS 26.5
Sub total for Bill I. Waterlevel Gauging Station :									
Grand Total									

SECTION 8

SECURITY FORMS

BID SECURITY (BANK GUARANTEE)

WHEREAS,
[*name of Bidder*] (hereinafter called "the Bidder") has submitted his Bid dated
..... [*date*] for the construction of
..... [*name of Contract*] (hereinafter called "the Bid").

KNOW ALL PEOPLE by these presents that we [*name of Bank*]
of [*name of country*] having our registered office at (hereinafter
called "the bank") are bound into [*name of Employer*] (hereinafter
called "the Employer") in the sum of ⁶⁸ for which payment well
and truly to be made to the said Employer, the Bank binds itself, its successors, and
assigns by these presents.

Sealed with the Common seal of the said Bank this day of 19.....

The conditions of this obligation are :

If, after Bid opening, the Bidder withdraws his Bid during the period of Bid validity
specified in the Form of Bid;

or

If the Bidder having been notified of the acceptance of his Bid by the Employer
during the period of Bid Validity :

- (a) fails or refuses to execute the Form of Agreement in accordance with the
Instructions to Bidders, if required; or
- (b) fails or refuses to furnish the Performance Security, in accordance with
the Instruction to Bidders; or
- (c) does not accept the correction of the Bid Price pursuant to Clause 27,

we undertake to pay to the Employer up to the above amount upon receipt of his first
written demand, without the Employer's having to substantiate his demand, provided
that in his demand the Employer will note that the amount claimed by him is due to
him owing to the occurrence of one or any of the there conditions, specifying the
occurred condition or conditions.

This Guarantee will remain in force up and including the date ⁶⁹ days
after the deadline for submission of bids as such deadline is stated in the Instructions
to Bidders or as it may be extended by the Employer, notice of which extensions(s) to
the Blank is hereby waived.

⁶⁸ The Bidder should insert the amount of the Guarantee in words and figures denominated in the currency of the
Employer's country or an equivalent amount in a freely convertible currency. This figure should be the same as
shown in Clause 16.1 of the Instructions to Bidders.

Any demand in respect of this Guarantee should reach the Bank not later than the above date.

With reference to Clause 1832 of the Indonesian Civil Law (Kitab Undang-undang Hukum Perdata), the Bank shall relinquish the special rights of claim on assets belonging to the Contractor and for the seizure and sale of such assets for the discharge of his debts as required in Clause 1831 of the Indonesian Civil Law.

As a declaration of good faith for this Guarantee, we the underwriters, the legal representative of the Bank, hereby sign and seal this Guarantee on the date of

BANK

SEAL

(Witness)

(Guarantor)

⁶⁹ Usually 28 days after the end of the validity period of the Bid. The date should be inserted by the Employer before the bidding document are issued.

FORM OF BID SECURITY (BOND)

Bond No. : _____

Amount : _____

KNOW ALL MEN BY THESE PRESENTS, THAT WE.....2)

As Bidder, hereinafter called "the Principal" and _____ 3) as
Surety, hereinafter called "the Surety", are held and firmly bound unto _____ 4)

as Employer, hereinafter called "the Obligee", in the amount of _____ 1) (
say : _____)

for the payment of which sum, well and truly to be made, we the Principal and the
Surety bind ourselves, our successors and assignees, jointly and severally, firmly by
this presents that if the Principal fails to fulfil his obligation as specified in the
Bidding Documents for _____ 5) for which the tender
is to be held by the Obligee on _____ 6)

NOW, THEREFORE, the conditions of this obligation are :

If the Principal withdraws his bid during the period of bid validity specified in the
Form of Bid, or.

(2) If the Principal, having been notified of the acceptance of his Bid by the Obligee
during the period of Bid validity :

fails or refuses to execute the Form of Contract Agreement in accordance with the
Instructions to Bidders, if required; or

fails or refuses to furnish the Performance Security in accordance with the
Instructions to Bidders.

Then this obligation shall remain in full force and effect as from _____ up to
_____, otherwise it shall be null and void.

Any claim on this Bond as a result of the default by the Principal from the Bidding
Documents shall be made in written application by the Obligee promptly after such
default arises, but not later than 3 (three) months after the Bond expires.
The Surety shall pay to the Obligee the full amount of this Bid Bond within 30 (thirty)
calendar days after having received a written claim based on the Obligee's Decree
concerning the default by the Principal.

With reference to Clause 1832 of the Indonesian Civil Law (Kitab Undang-undang
Hukum Perdata) herewith we reaffirm that Guarantee shall relinquish the special
rights of claim on assets belonging to the Principal and for seizure and sale of such
assets for the discharge of his debts as required in Clause 1831 of the Indonesian Civil
Law.

Signed and sealed in, dated

Principal

Surety,

(.....)

(.....)

Note :

- (1) = Amount of the Bond in Rupiah and/or other currency(ies) as specified in the Bidding Documents.
- (1) = Name and address of the Bidder.
- (2) = Name and address of the Insurance or Bonding Company.
- (3) = Name of the Employer.
- (4) = Brief description of the Works.
- (5) = Date of the Bid.

FORM OF PERFORMANCE SECURITY

BANK GUARANTEE

1. WHEREAS
{Name of Employer}
(hereinafter called the "Employer")
has awarded a contract to
{Name of Contract}
.....{Address of Contractor}
(hereinafter called the "Contractor")
to bid for
{Brief description of the Works}
2. AND WHEREAS the Contractor is bound by the said Contract to provide to the Employer as Performance Guarantee in amount of(.....), {Percentage as specified in the Instruction to Bidders, in words and in figure} percent of the Contract Price.
3. NOW WE THE UNDERWRITERS responsible and representative of
.....{Name of Bank}
having our registered office at{Address of Bank}
(hereinafter called the "Bank"),

and fully authorized to sign and incur obligations in the name of the Bank, hereby declare that the Bank guarantees the Employer the full amount of
(.....) {in Rupiah and/or other Currency(ies) as specified in the Contract Documents, in words and in figure} equal to
(.....) {in percentage of the Contract Price, in figure and in the words} percent of the Contract Price.
4. NOW THE CONDITIONS of this obligation are :
 - 4.1 After the Contractor has signed the aforementioned Contract with the Employer, the Bank is engaged to pay the Employer any amount up to inclusive of the aforementioned full amount upon written order from the Employer to indemnify the Employer for any liability or damage resulting from the defects or shortcomings of the Contractor of his failure to perform as required by the Contract mentioned above.

4.2 The Bank shall deliver money required by the Employer upon Employer's first demand without delay within seven (7) calendar days and without the necessity of a previous notice of judicial or administrative procedures and without it being necessary to prove to the Bank the defects or shortcomings or failure to perform on the part of the Contractor.

5. This guarantee is valid for the period from the date of signing of the Contract to (.....) *{Tendering Committee should specify as appropriate}* days after the date of issue of the Certificate of Satisfaction for the Works under the Contract or until the Employer has issued an instruction to the Bank to the affect that this Guarantee may be released.
6. Any demand in respect hereof should reach the Bank not later than thirty (30) calendar days after this Bank Guarantee expiry given in item 5.
7. The Bank undertakes to extend the validity of this Guarantee under the same conditions as aforementioned to any and all modifications, alternations, variations, and extensions of time of the Contract as they may hereafter be made in accordance with the provisions of the Contract. The Bank agrees to waive consent and notification of such modifications, alternations, variations, and extension of time of the Contract.
8. With reference to Clause 1832 of the Indonesian Civil Law (Kitab Undang-Undang Hukum Perdata), the Bank shall relinquish the special rights of claim on assets belonging to the Contractor and for the seizure and sale of such assets for the discharge of his debts as required in Clause 1831 of the Indonesian Civil Law.

As a declaration of good faith for this Guarantee, we the underwriters, the legal representative of the Bank, hereby sign and seal this Guarantee on the date of.....

Bank Seal

(.....)
{ Witness }

(.....)
{ Guarantor }

FORM OF PERFORMANCE SECURITY BOND

Bond No Amount :{in Rupiah and/or other Currency(ies)}

KNOW ALL MEN BY THIS PRESENT, that we.....

..... {Name and Address of Contractor}

as Contractor hereinafter called "the Principal" and {Name and Address of the Insurance or Bonding Company} as "the Surety hereinafter called "the Surety",

are held and firmly bound unto {Name of Employer}

as Employer hereinafter called "the Oblige",in the maximum amount of (.....)

{Amount of Bond in Rupiah and/or other Currency(ies), in words and in figure}

is to be paid to the said Oblige, for which payment we the Principal and the Surety to bind ourselves, our successors and assignees, jointly and severally firmly by this presents that if the Principal fails to fulfil his Obligation in the performance of the Contract which has been awarded to him under the Oblige's Letter of Acceptance No. {Number of Letter of Acceptance} dated and which is to be later confirmed by a Contract for {Brief description of the works}

between the Oblige and the Principal which Contract is inherent within this Bond.

NOW THEREFORE THE CONDITION OF THIS BOND is such that, if the Principal shall promptly and faithfully perform said Contract, or shall indemnify, make good and reimburse to the Oblige, all loss and damage which Oblige may sustain by reason of failure or default on the part of the Principal so to do, then this obligation shall be void; otherwise to remain in full force and effect as from up to.....(.....) and can be extended by the application of the Principal until the completion of the works. Any claim on this Bond shall be made in written application by the Oblige to Surety promptly after the Principal fails to fulfill his obligation, but not later than three (3) months after the Bond expires, as specified in the above Contract and is not caused by a force majeure. The Surety shall pay to the Oblige in the same amount of this Bond thirty (30) calendar days after having received a written claim based on the Oblige's decree concerning the default by the Principal.

With reference to Clause 1832 of the Indonesian Civil Law (Kitab Undang-Undang Hukum Perdata) herewith we reaffirm that the Surety shall relinquish the special rights of claim on assets belonging to the Principal and for the seizure and sale of such assets for the discharge of his debts as required in Clause 1831 of the Indonesian Civil Law.

Signed and sealed in dated

Principal

Surety,

(.....)

(.....)

FORM OF ADVANCE PAYMENT SECURITY BANK GUARANTEE

1. WHEREAS{*Name of Employer*}
(hereinafter called the "Employer")
has awarded a contract to {*Name of Contract*}
.....{*Address of Contractor*}
(hereinafter called the "Contractor")
to Bid for.....{*Brief description of the Works*}
on Number.....{*date and number of the Contract*}
2. AND WHEREAS according to said Contract, an Advance Payment of not more than (.....) (.....) {Percentage as mentioned in Clause 60 (7) of the Conditions of Particular Application, in words and in figure} percent of the Contract Price may be paid by the Employer to the Contractor.
3. NOW WE THE UNDERWRITERS responsible and representative of
.....{*Name of Bank*}
having our registered office at :{*Address of Bank*}
(hereinafter called the "Bank"), and fully authorized to sign and incur obligations in the name of the Bank, hereby declare that the Bank guarantees the Employer the full amount of (.....)
{*amount of the Guarantee in Rupiah and/or other currency(ies) as specified in the Contract Documents, in words and in figure*}.
4. NOW THE CONDITIONS of this obligation are :
 - 4.1 The Bank is engaged to refund the Advance Payment or the remaining Advance Payment if the Contractor after receiving the Advance Payment should fail to commence or continue the Works, whatsoever the reason, and the Bank shall forthwith return to the Employer the whole or the outstanding repayment value of the Advance Payment.
 - 4.2 The Bank shall deliver money required by the Employer upon Employer's first demand without delay within seven (7) calendar days and without the necessity of a previous notice of judicial or administrative procedures and without it being necessary to prove to the Bank the shortcomings of the Contractor.
5. This guarantee is valid for the duration of the Contract or until the date that the Advance Payment is fully repaid.

6. Any demand in respect hereof should reach the Bank not later than thirty (30) calendar days after this Bank Guarantee expiry given in item 5.
7. With reference to Clause 1832 of the Indonesian Civil Law (Kitab Undang-Undang Hukum Perdata), the Bank shall relinquish the special rights of claim on assets belonging to the Contractor and for the seizure and sale of such assets for the discharge of his debts as required in Clause 1831 of the Indonesian Civil Law.

As a declaration of good faith for this Guarantee, we the underwriters, the legal representative of the Bank, hereby sign and seal this Guarantee on the date of.....

Bank Seal

(.....)

Witness

(.....)

Guarantor

FORM OF ADVANCE PAYMENT SECURITY BOND

Bond No Amount : *{in Rupiah and/or other Currency(ies)}*

KNOW ALL MEN BY THIS PRESENT, that we

..... *{Name and Address of Contractor}*

as Contractor hereinafter called "the Principal"

and
{Name and Address of the Insurance or Bonding Company} as "the Surety hereinafter called "the Surety",

are held and firmly bound unto *{Name of Employer}*

as Employer hereinafter called "the Oblige",

in the maximum amount of

(.....) *{Amount of Bond in Rupiah and/or other Currency(ies), in words and in figure}*

is to be paid to the said Oblige, for which payment we the Principal and the Surety to bind ourselves, our successors and assignees, jointly and severally firmly by this presents.

WHEREAS the Principal has by written agreement dated *{Date of the Contract}* entered into a Contract with the Oblige to *{Brief description of the works}*

at an agreed Contract Price of (.....) *{Contract Price in Rupiah and/or other Currency(ies) as specified in the Contract Documents, in words and in figure}* which Contract is inherent within this Bond.

WHEREAS the Oblige has agreed to advance to the Principal that sum amounting to (.....) *{Amount of Bond in Rupiah and/or Currency(ies) as specified in the Contract Documents, , in words and in figure}* as an Advantage Payment under said Contract.

If the Principal repays in full amount of the Advance Payment due under said Contract or the remaining Advance Payment, then this Bond shall be null and void; otherwise to remain in full force and effect as for the duration of the Contract or until the date the Advance Payment is fully repaid.

Any claim on this Bond shall be made in written application by the Oblige to Surety promptly after the Principal fails to repay the Advance Payments or the remaining Advance Payments under the conditions of said Contract, but not later than three (3) months after the Bond expires.

The Surety shall pay the Oblige in the same amount of this Bond thirty (30) calendar days after having received a written claim based from the Oblige.

With reference to Clause 1832 of the Indonesian Civil Lay (Kitab Undang-Undang Hukum Perdata) herewith we reaffirm that the Surety shall relinquish the special rights of claim on assets belonging to the Principal and for the seizure and sale of such assets for the discharge of his debts as required in Clause 1831 of the Indonesian Civil Law.

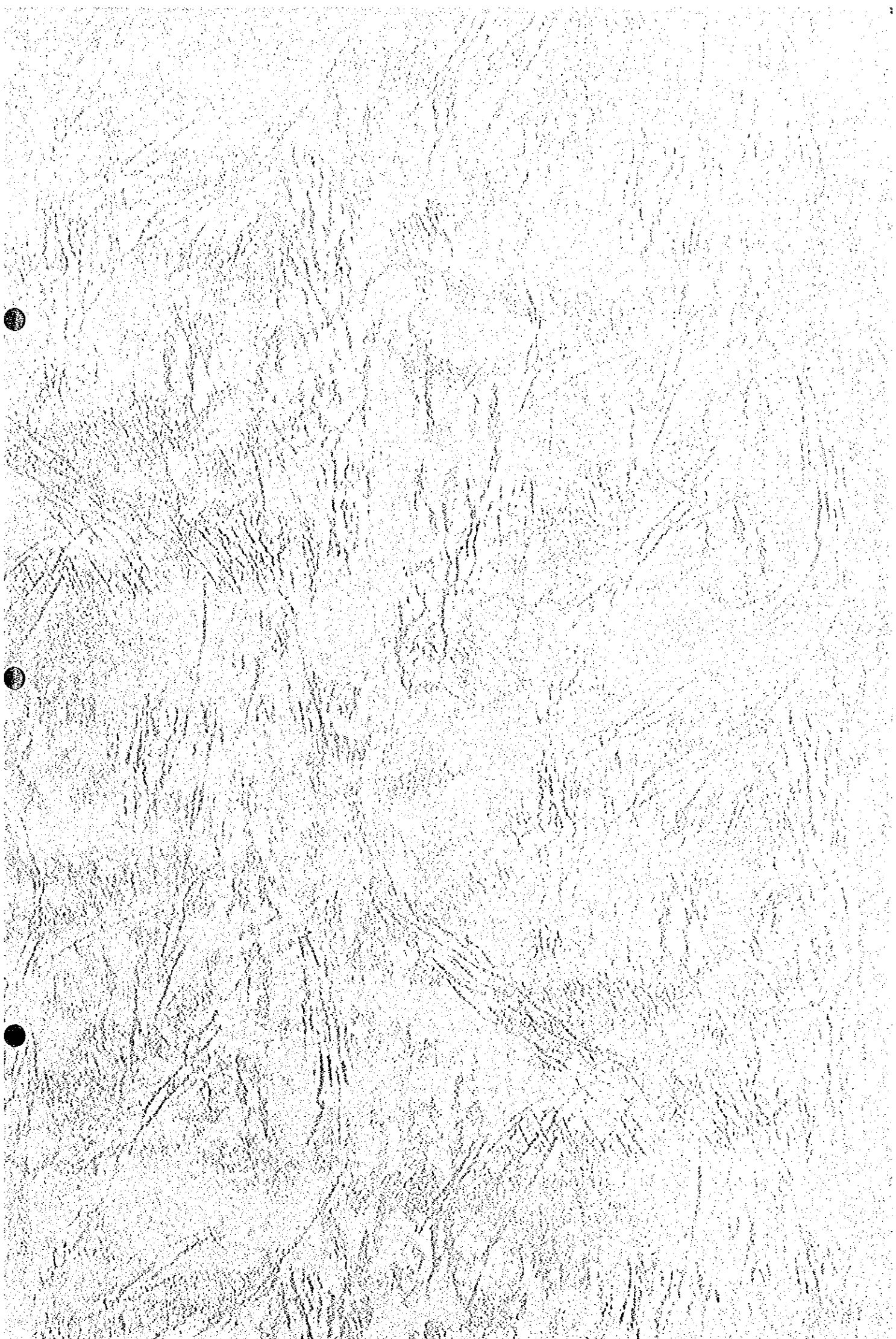
Signed and sealed in dated

Principal

Surety,

(.....)

(.....)



JICA