



PROJECT DIRECTOR

T- 12 SQUASH COURT ONE COMPETITION COURT
TWO PRACTICE COURT FOR SPORTS COMPLEX AT
SUKKUR
Z.A.BHUTTO SPORTS COMPLEX SUKKUR

TENDER DOCUMENTS

Issued to M/s _____

Date of Opening of Tender _____

PROJECT DIRECTOR SPORTS COMPLEX SUKKUR

Consultant. Architects Inc

SUMMARY OF CONTENTS

	<u>Subject</u>	<u>Page No</u>
S. No	Subject	Page No.
I).	Invitation for Bids	03
II).	Instructions to Bidders & Bidding Data	05
III).	Form of Bid & Schedule to Bid	21
IV).	Conditions of Contract & Contract Data	56
V).	Standard Forms	77
VI).	Specifications	87

INVITATION FOR BIDS

INVITATION FOR BIDS

1. The Procuring Agency, _____[enter name of the procuring agency], invites sealed bid from interested firms or persons licensed by the Pakistan Engineering Council in the appropriate category (not required for works costing Rs2.5 millions or less) and /or duly pre-qualified (if pre-qualification is done for specific scheme / project) with the Procuring Agency for the Works _____ [enter title, type and financial volume of work], which will be completed in _____[enter appropriate time period] days.

2. A complete set of Bidding Documents may be purchased by an interested eligible bidder on submission of a written application to the office given below and upon payments of a non-refundable fee of Rupees _____ (Insert amount). Bidders may acquire the bidding document from the office the procuring _____ agency, _____ at _____ (mailing address).

3. All Bids must be accompanied by a Bid Security in the amount of Rs. _____ (Rupees _____) or _____ percentage of bid price in the form of (pay order / demand draft / bank guarantee) and must be delivered to _____(indicate address and exact location) at or before _____ hours on _____(date). Bids will be opened at _____ hours on the same day in the presence of bidders, representatives who chose to attend, at the same address [indicate the address if it differs].

- [Note:1. *Procuring Agency to enter the requisite information in blank spaces.*
2. *The bid shall be opened within one hour after the deadline for submission of bids.]*

INSTRUCTIONS TO BIDDERS & BIDDING DATA

Notes on the Instructions to Bidders

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract or matters affecting the risks, rights and obligations of the parties under the Contract are not normally included in this section, but rather in the appropriate sections of the Conditions of Contract and /or Contract Data.

TABLE OF CONTENTS

Instructions to Bidders

Clause No	Description	Page No
 A. GENERAL		
IB.1	Scope of Bid & Source of funds.....	7
IB.2	Eligible Bidders	7
IB.3	Cost of Bidding	8
 B. BIDDING DOCUMENTS		
IB.4	Contents of Bidding Documents	8
IB.5	Clarification of Bidding Documents.....	8
IB.6	Amendment of Bidding Documents	9
 C. PREPARATION OF BID		
IB.7	Language of Bid.....	9
IB.8	Documents Comprising the Bid	9
IB.9	Sufficiency of Bid	9
IB.10	Bid Prices, Currency of Bid & Payment	10
IB.11	Documents Establishing Bidders Eligibility and Qualifications.....	10
IB.12	Documents establishing Works Conformity to Bidding Documents.....	10
IB.13	Bidding Security	11
IB.14	Validity of Bids, Format, Signing and Submission of Bid.....	11
 D.SUBMISSION OF BID		
IB.15	Deadline for Submission, Modification and withdrawal of Bids.....	12
 D. BID OPENING AND AVALUATION		
IB.16	Bid Opening, Clarification and Evaluation	13
IB.17	Process to be Confidential.....	14
 E. AWARD OF CONTRACT		
IB.18	Qualification	15
IB.19	Award Criteria & Procuring Agency's Right	16
IB.20	Notification of Award & Signing of Contract Agreement	16
IB.21	Performance Security	17
IB.22	Integrity Pact.....	17

INSTRUCTION TO BIDDERS

(Note: (These instructions to bidder (IB) along with Bidding Date will not be part of Contract and will cease to have effect once the Contract is signed).

IB.1 Scope of Bid & Sources of Funds.

1.1 Scope of Bid.

The Procuring Agency as defined in the Bidding Data (hereinafter called “the procuring agency”) wishes to receive Bids for the works summarized in the Bidding Data (hereinafter referred to as “the works”).

Bidders must quote for the complete scope of work. Any Bid covering partial scope of work will be rejected as non-responsive.

1.2 Source of Funds

The Procuring Agency has arranged funds from its own sources or Federal/ Provincial / Donor agency or any other sources, which may be indicated accordingly in bidding data towards the cost of the project/ scheme.

IB.2 Eligible Bidders

2.1 Bidding is open to all firms and persons meeting the following requirements:

- a. duly licensed by the Pakistan Engineering Council (PEC) in the appropriate category for value of works.

Provided that the works costing Rs.2.5 million or less shall not require any registration with PEC.

- b. Duly pre-qualified with the procuring agency (Where required).

In the event that prequalification of potential bidders has been undertaken, only bids from pre-qualified bidders will be considered for award of Contract.

- c. if prequalification has not undertaken, the procuring agency may ask information and documents not limited to following: -
 - (i) Company Profile.
 - (ii) Cords of similar nature and size for each performed in last 3/5 years.
 - (iii) Construction equipments.
 - (iv) Qualification and experience of technical personnel and key site management.
 - (v) Financial statement of last 3 years.
 - (vi) Information regarding litigations and abandoned works if any.

IB.3 Cost of Bidding

- 3.1 The Bidder shall bear all costs associated with the preparation and submission of its bid and the procuring agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process (SPPRA Rules 24& 25).

B. BIDDING DOCUMENTS

IB.4 Contents of Bidding Documents

- 4.1 In addition to Invitation for bids the bidding documents are those stated below and should be read in conjunction with any addendum issued in accordance with Sub-Clause IB.6.1
1. Instruction to Bidders & Bidding Data.
 2. Form of Bid, Qualification Information & Schedules to Bid comprise the following: -
 - i. Schedule A: Schedule of Prices/ Bill of Quantities (BOQ).
 - ii. Schedule B: Specific Works Data.
 - iii. Schedule C: Works to be Performed by Sub contractors.
 - iv. Schedule D: Proposed Programme of Works.
 - v. Schedule E: Method of Performing Works.
 - vi. Schedule F: Integrity Pact (Works costing Rs.10 Million and above).
 3. Conditions of Contract & Contract Data.
 4. Standard Forms:-
 - i. Form of Bid Security.
 - ii. Form of Performance Security.
 - iii. Form of Contract Agreement.
 - iv. Form of Bank Guarantee for Advance Payment.
 5. Specifications.
 6. Drawings, if any.

IB.5 Clarification of Bidding Documents.

- 5.1 A prospective bidder requiring any clarification (s) in respect of the Bidding Documents may notify the Engineer / Procuring Agency at the Engineer's / Procuring Agency Address indicated the bidding data.
- 5.2 An Interested Bidder, who has obtained bidding documents, may request for clarification of contents of bidding documents in writing and procuring agency shall respond to such queries in writing within three calendar days, provided they are received at least five calendar days prior to the date of opening of bid (SPPRA Rules 23-1).

IB.6 Amendment of Bidding Documents (SPPRA Rules 22(2) & 22).

- 6.1 At any time prior to the deadline for submission of bids, the Procuring Agency may for any reason, whether at his own initiative or in response to a clarification requested by a interested bidder modify the bidding documents by issuing addendum.
- 6.2 And addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 6.1 hereof and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the procuring Agency.
- 6.3 To afford interested bidders reasonable time in which to take an addendum into account in preparing their Bids, the procuring Agency may at its discretion extend the deadline for submission of Bids.

C. PREPARATION OF BIDS.

IB.7 Language of Bid

- 7.1 All documents relating to the Bid shall be in the language specified in the contract data.

IB.8 Documents Comprising the Bid.

- 8.1 The bid submitted by the bidder shall comprise the following:-
- a. Offer/ Covering Letter.
 - b. Form of Bid duly filled, signed and sealed in accordance with IB.14.3.
 - c. Schedules (A to F) to bid duly filled and initialed in accordance with the instructions contained therein and in accordance with IB.14.3.
 - d. Bid Security furnished in accordance with IB.13.
 - e. Power of Attorney in accordance with IB 14.5.
 - f. Documentary evidence in accordance with IB.2 (c) & IB.11.
 - g. Documentary evidence in accordance with IB.12.

IB.9 Sufficiency of Bid.

- 9.1 Each Bidder shall satisfy himself before Bidding as to the correctness and sufficiency of his Bid and of the premium of the rates of CSR / rates and prices quoted/ entered in the schedule of prices, which rates and prices shall except in so far as it is otherwise expressly provided in the Contract, cover all his obligations under the Contract and all matters and things necessary for the proper completion of the works.
- 9.2 The Bidder is advised to obtain for himself at his own cost and responsibility all information that may be necessary for preparing the bid and entering into a Contract for execution of the works.

IB.10 Bid Prices, Currency of Bid and Payment.

- 10.1.1 The bidder shall fill up the Schedule of Prices (Schedule A t Bid) indicating the percentage above or below the Composite Schedule of Rates / unit rates and prices of the Works to be performed under the Contract. Prices in the Schedule of Prices / Bill of Quantities shall be quoted entirely in Pak Rupees keeping in view the instructions contained in the Preamble to Schedule of Prices.
- 10.1.2 Unless otherwise stipulated in the Conditions of Contract, Prices quoted by the Bidder shall remain fixed during the bidder's performance of the Contract and not subject to variation on any account.
- 10.1.3 The unit rate and prices in the schedule of prices or percentage above or below on the composite schedule of rates shall be quoted by the bidder in the currency as stipulated in Bidding Data.
- 10.1.4 Items for which no rate or price is entered by the Bidder will not be paid for by the Procuring Agency when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.

IB.11 Documents Establishing Bidder's Eligibility and Qualifications.

- 11.1 Pursuant to Clause IB.8, the Bidders furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the Contract of its bid is accepted.
- 11.2 Bidder must posses and provide evidence of its capability and the experience as stipulated in Bidding Data and the Qualification Criteria mentioned in the Bidding Documents.

IB.12 Documents Establishing Work's Conformity to Bidding Documents.

- 12.1 The Documentary evidence of the work's conformity to the Bidding Documents may be in the form of literature, drawings and data and the bidder shall furnish documentation as set out in Bidding Data.
- 12.2 The Bidder shall note that standards for workmanship, material and equipments and references to brand names or catalogue numbers, if any, designated by the procuring agency in the Technical Provisions are intended to be descriptive only and not restrictive.

IB.13 Bid Security

- 13.1 Each bidder shall furnish, as part of his bid, at the option of the bidder, a Bid Security as percentage of bid price/estimated cost or in the amount stipulated in Bidding Data in Pak. Rupees in the form of *Deposit at Call/ Payee's Order or a Bank Guarantee* issued by a Scheduled Bank in Pakistan in favour of the Procuring Agency valid for a period up to twenty eight (28) days beyond the bid validity date (*Bid security should not be below 1%.and not exceeding 5% of bid price/estimated cost SPP Rule 37*).
- 13.2 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Procuring Agency as non-responsive.
- 13.3 The bid securities of unsuccessful bidders will be returned upon award of contract to the successful bidder or on the expiry of validity of Bid Security whichever is earlier.
- 13.4 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security, and signed the Contract Agreement (SPP Rule 37).
- 13.5 The Bid Security may be forfeited:
 - (a) if a bidder withdraws his bid during the period of bid validity; or
 - (b) if a bidder does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) hereof; or
 - (c) in the case of a successful bidder, if he fails within the specified time limit to:
 - (i) furnish the required Performance Security or
 - (ii) sign the Contract Agreement.

IB.14 Validity of Bids, Format, Signing and Submission of Bid

- 14.1 Bids shall remain valid for the period stipulated in the Bidding Data after the date of bid opening.
- 14.2 In exceptional circumstances, Procuring Agency may request the bidders to extend the period of validity for a additional period but not exceeding 1/3 of the original period. The request and the bidders' responses shall be made in

writing or by cable. A Bidder may refuse the request without forfeiting the Bid Security. A Bidder agreeing to the request will not be required or permitted to otherwise modify the Bid, but will be required to extend the validity of Bid Security for the period of the extension, and in compliance with IB.13 in all respects (SPP Rule 38).

- 14.3 All Schedules to Bid are to be properly completed and signed.
- 14.4 No alteration is to be made in the Form of Bid except in filling up the blanks as directed. If any alteration be made or if these instructions be not fully complied with, the bid may be rejected.
- 14.5 Each bidder shall prepare Original and number of copies specified in the Bidding Data of the documents comprising the bid as described in IB.8 and clearly mark them "ORIGINAL" and "COPY" as appropriate. In the event of discrepancy between them, the original shall prevail.
- 14.6 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign (in the case of copies, Photostats are also acceptable). This shall be indicated by submitting a written Power of Attorney authorizing the signatory of the bidder to act for and on behalf of the bidder. All pages of the bid shall be initialed and official seal be affixed by the person or persons signing the bid.
- 14.7 The Bid shall be delivered in person or sent by registered mail at the address to Procuring Agency as given in Bidding Data.

D. SUBMISSION OF BID

IB.15 Deadline for Submission, Modification & Withdrawal of Bids

- 15.1 Bids must be received by the Procuring Agency at the address/provided in Bidding Data not later than the time and date stipulated therein.
- 15.2 The inner and outer envelopes shall
 - (a) be addressed to the Procuring Agency at the address provided in the Bidding Data;
 - (b) Bear the name and identification number of the Contract as defined in the Bidding and Contract Data; and
 - (c) provide a warning not to open before the specified time and date for Bid opening as defined in the Bidding Data.
 - (d) in addition to the identification required in 15.2, the inner envelopes shall indicate the name and address of the Bidder to enable the Bid to be returned unopened in case it is declared late.
 - (e) If the outer envelope is not sealed and marked as above, the Procuring Agency will assume no responsibility for the misplacement or premature opening of the Bid.
- 15.3 Bids submitted through telegraph, telex, fax or e-mail shall not be considered.

- 15.4 Any bid received by the Procuring Agency after the deadline for submission prescribed in Bidding Data will be returned unopened to such bidder.
- 15.5 Any bidder may modify or withdraw his bid after bid submission provided that the modification or written notice of withdrawal is received by the Procuring Agency prior to the deadline for submission of bids.
- 15.6 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security pursuant to IB.13.5 (a).

E. BID OPENING AND EVALUATION

IB.16 Bid Opening, Clarification and Evaluation (SPP Rules 41, 42 & 43)

- 16.1 The Procuring Agency will open the bids, in the presence of bidders' representatives who choose to attend, at the time, date and in the place specified in the Bidding Data.
- 16.2 The bidder's name, Bid Prices, any discount, the presence or absence of Bid Security, and such other details as the Procuring Agency at its discretion may consider appropriate, will be announced by the Procuring Agency at the bid opening. The Procuring Agency will record the minutes of the bid opening. Representatives of the bidders who choose to attend shall sign the attendance sheet. Any Bid Price or discount which is not read out and recorded at bid opening will not be taken into account in the evaluation of bid.
- 16.3 To assist in the examination, evaluation and comparison of Bids the Engineer/Procuring Agency may, at its discretion, ask the bidder for a clarification of its Bid. The request for clarification and the response shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted (SPP Rule 43).
- 16.4 (a) Prior to the detailed evaluation, pursuant to IB.16.7 to 16.9, the Engineer/Procuring Agency will determine the substantial responsiveness of each bid to the Bidding Documents. For purpose of these instructions, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviations. It will include determining the requirements listed in Bidding Data.

(b) Arithmetical errors will be rectified on the following basis:
If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a discrepancy between the Total Bid price entered in Form of Bid and the total shown in Schedule of Prices-Summary, the amount stated in the Form of Bid will be corrected by the Procuring Agency in accordance with the Corrected Schedule of Prices.

If the bidder does not accept the corrected amount of Bid, his Bid will be rejected and his Bid Security forfeited.

- 16.5 A Bid determined as substantially non-responsive will be rejected and will not subsequently be made responsive by the bidder by correction of the non-conformity.
- 16.6 Any minor informality or non-conformity or irregularity in a Bid which does not constitute a material deviation (**major deviation**) may be waived by Procuring Agency, provided such waiver does not prejudice or affect the relative ranking of any other bidders.

(A). Major (material) Deviations include:-

- (i) Has been not properly signed;
- (ii) Is not accompanied by the bid security of required amount and manner;
- (iii) Stipulating price adjustment when fixed price bids were called for;
- (iv) Failing to respond to specifications;
- (v) Failing to comply with Mile-stones/Critical dates provided in Bidding Documents;
- (vi) Sub-contracting contrary to the Conditions of Contract specified in Bidding Documents;
- (vii) Refusing to bear important responsibilities and liabilities allocated in the Bidding Documents, such as performance guarantees and insurance coverage;
- (viii) Taking exception to critical provisions such as applicable law, taxes and duties and dispute resolution procedures;
- (ix) A material deviation or reservation is one :
 - (a) Which affect in any substantial way the scope, quality or performance of the works;
 - (b) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

(B) Minor Deviations

Bids that offer deviations acceptable to the Procuring Agency and which can be assigned a monetary value may be considered substantially responsive at least as to the issue of fairness. This value would however be added as an adjustment for evaluation purposes only during the detailed evaluation process.

- 16.7 The Engineer/Procuring Agency will evaluate and compare only the bids previously determined to be substantially responsive pursuant to IB.16.4 to 16.6 as per requirements given hereunder. Bids will be evaluated for complete scope of works. The prices will be compared on the basis of the Evaluated Bid Price pursuant to IB.16.8 herein below.

Technical Evaluation: It will be examined in detail whether the works offered by the bidder complies with the Technical Provisions of the Bidding Documents. For this purpose, the bidder's data submitted with the bid in Schedule B to Bid will be compared with technical features/criteria of the works detailed in the Technical Provisions. Other technical information submitted with the bid regarding the Scope of Work will also be reviewed.

16.8 Evaluated Bid Price

In evaluating the bids, the Engineer/Procuring Agency will determine for each bid in addition to the Bid Price, the following factors (adjustments) in the manner and to the extent indicated below to determine the Evaluated Bid Price:

- (i) Making any correction for arithmetic errors pursuant to IB.16.4 hereof.
- (ii) Discount, if any, offered by the bidders as also read out and recorded at the time of bid opening.
- (iii) Excluding **provisional sums** and the provisions for **contingencies** in the Bill of Quantities **if any**, but including **Day work**, where priced competitively.

IB.17 Process to be Confidential

- 17.1 Subject to IB.16.3 heretofore, no bidder shall contact Engineer/Procuring Agency on any matter relating to its Bid from the time of the Bid opening to the time the bid evaluation result is announced by the Procuring Agency. The evaluation result shall be announced at least seven (07) days prior to award of Contract (SPP Rule 45). The announcement to all bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated.
- 17.2 Any effort by a bidder to influence Engineer/Procuring Agency in the Bid evaluation, Bid comparison or Contract Award decisions may result in the rejection of his Bid. Whereas any bidder feeling aggrieved, may lodge a written complaint to Complaint Redressal Committee as per terms and conditions mentioned in SPP Rules 31 & 32. However, mere fact of lodging a complaint shall not warrant suspension of procurement process.
- 17.3 Bidders may be excluded if involved in **“Corrupt and Fraudulent Practices”** means either one or any combination of the practices given below SPP Rule2(q);
 - (i) **“Coercive Practice”** means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to

influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

(ii) **“Collusive Practice”** means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;

(iii) **“Corrupt Practice”** means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;

(iv) **“Fraudulent Practice”** means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

(v) **“Obstructive Practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

F. AWARD OF CONTRACT

IB.18. Post Qualification

18.1 The Procuring Agency, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in contractor’s capacities, may require the contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided, that such qualification shall only be laid down after recording reasons therefore in writing. They shall form part of the records of that bid evaluation report.

18.2 The determination will take into account the bidder’s financial and technical capabilities.

It will be based upon an examination of the documentary evidence of the bidders’ qualifications submitted under B.11, as well as such other information required in the Bidding Documents.

IB.19 Award Criteria & Procuring Agency’s Right

19.1 Subject to IB.19.2, the Procuring Agency will award the Contract to the bidder whose bid has been determined to be substantially responsive to the

Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be qualified to satisfactory perform the Contract in accordance with the provisions of the IB.18.

- 19.2 Notwithstanding IB.19.1, the Procuring Agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation to inform the affected bidders of the grounds for the Procuring Agency's action except that the grounds for its rejection of all bids shall upon request be communicated, to any bidder who submitted a bid, without justification of the grounds. Notice of the rejection of all the bids shall be given promptly to all the bidders (SPP Rule 25).

IB.20 Notification of Award & Signing of Contract Agreement

- 20.1 Prior to expiration of the period of bid validity prescribed by the Procuring Agency, the Procuring Agency will notify the successful bidder in writing (—Letter of Acceptance) that his bid has been accepted (SPP Rule 49).
- 20.2 Within seven (07) days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Procuring Agency will send the successful bidder the Form of Contract Agreement provided in the Bidding Documents, incorporating all agreements between the parties.
- 20.3 The formal Agreement between the Procuring Agency and the successful bidder duly stamped at rate of ---% of bid price(updated from time to time) stated in Letter of Acceptance shall be executed within seven (07) days of the receipt of Form of Contract Agreement by the successful bidder from the Procuring Agency.

IB.21 Performance Security

- 21.1 The successful bidder shall furnish to the Procuring Agency a Performance Security in the form and the amount stipulated in the Conditions of Contract within a period of fourteen (14) days after the receipt of Letter of Acceptance (SPP 39).
- 21.2 Failure of the successful bidder to comply with the requirements of Sub-Clauses IB.20.2 & 20.3 or 21.1 or Clause IB.22 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.
- 21.3 Publication of Award of Contract: within seven days of the award of contract, the procuring shall publish on the website of the authority and on its own website, if such a website exists, the results of the bidding process, identifying the bid through procurement identifying Number if any and the following information:
- (1) Evaluation Report;
 - (2) Form of Contract and letter of Award;
 - (3) Bill of Quantities or Schedule of Requirements. (SPP Rule 50)

IB.22 Integrity Pact The Bidder shall sign and stamp the Form of Integrity Pact provided at Schedule-F to Bid in the Bidding Document for all Sindh Government procurement contracts exceeding Rupees ten (10) million. Failure to provide such Integrity Pact shall make the bid nonresponsive (SPP Rule 89).

BIDDING DATA

(This section should be filled in by the Engineer/Procuring Agency before issuance of the Bidding Documents. The following specific data for the works to be tendered shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.)

Instructions to Bidders **Clause Reference**

1.1 Name of Procuring Agency

Project Director (ZA Bhutto Sports Complex) Sukkur, Near Dreha Village
Stop Sukkur - Shikarpur Road (N-65) 12Km. Sukkur

(Insert name of the Procuring Agency)

Brief Description of Works

CONSTRUCTION OF SQUASH COURT ONE COMPTATION COURT
TWO PRACTIEC COURT SPORTS COMPLEX SUKKUR

5.1 (a) Procuring Agency's address:

Project Director (ZA Bhutto Sports Complex) Sukkur, Near Dreha Village
Stop Sukkur - Shikarpur Road (N-65) 12Km. Sukkur

(Insert address of the Procuring Agency with telex/fax)

(b) Engineer's address:

Project Director (ZA Bhutto Sports Complex) Sukkur, Near Dreha Village
Stop Sukkur - Shikarpur Road (N-65) 12Km. Sukkur

(Insert name and address of the Engineer, if any, with telex/fax.)

10.3 Bid shall be quoted entirely in Pak. Rupees. The payment shall be made in Pak. Rupees.

11.2 The bidder has the financial, technical and constructional capability necessary to perform the Contract as follows: *(Insert required capabilities and documents)*

i. Financial capacity: *(must have turnover of Rs-----Million);*

Project Director Sports Complex Sukkur

- ii. Technical capacity: *(mention the appropriate category of registration with PEC and qualification and experience of the staff);*
- iii. Construction Capacity: *(mention the names and number of equipments required for the work).*

12.1 (a) A detailed description of the Works, essential technical and performance characteristics.

- (b) Complete set of technical information, description data, literature and drawings as required in accordance with Schedule B to Bid, Specific Works Data. This will include but not be limited to a sufficient number of drawings, photographs, catalogues, illustrations and such other information as is necessary to illustrate clearly the significant characteristics such as general construction dimensions and other relevant information about the works to be performed.

13.1 Amount of Bid Security

_____ 2% _____

(Fill in lump sum amount or in % age of bid amount /estimated cost, but not below 1% and not exceeding 5%)

14.1 Period of Bid Validity

Days 90

— *(Fill in “number of days” not exceeding 90)*

14.4 Number of Copies of the Bid to be submitted:

One original plus _____ copies.

- 14.6 (a) **Procuring Agency's Address for the Purpose of Bid Submission**
Project Director (ZA Bhutto Sports Complex) Sukkur, Near Dreha Village
Stop Sukkur - Shikarpur Road (N-65) 12Km. Sukkur

_____ *(insert postal address or location of bid box for delivery by hand)*

15.1 Deadline for Submission of Bids

16.1 Venue, Time, and Date of Bid Opening

Venue: Sukkur

16.4 **Responsiveness of Bids**

- (i) Bid is valid till required period
- (ii) Bid prices are firm during currency of contract/Price adjustment;
- (iii) Completion period offered is within specified limits,
- (iv) Bidder is eligible to Bid and possesses the requisite experience, capability and qualification.
- (v) Bid does not deviate from basic technical requirements and
- (vi) Bids are generally in order, etc.

*Procuring agency can adopt either of two options. (*Select either of them*)

- (a) **Fixed Price contract:** In these contracts no escalation will be provided during currency of the contract and normally period of completion of these works is upto 12 months.
- (b) **Price adjustment contract:** In these contracts escalation will be paid only on those items and in the manner as notified by Finance Department, Government of Sindh, after bid opening during currency of the contract.

FORM OF BID AND SCHEDULES TO BID

FORM OF BID
(LETTER OF OFFER)

Bid Reference No. _____

(Name of Works)

To:

Gentlemen,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Contract Data, Specifications, Drawings, if any, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named works, we, the undersigned, being a company doing business under the name of and address _____

_____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such works and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Bid Price of Rs _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said Documents.

2. We understand that all the Schedules attached hereto form part of this Bid.

3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of _____ drawn in your favour or made payable to you and valid for a period of twenty eight (28) days beyond the period of validity of Bid.

4. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the Works comprised in the Contract within the time(s) stated in Contract Data.

5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.

7. We undertake, if our Bid is accepted, to execute the Performance Security referred to in Conditions of Contract for the due performance of the Contract.

8. We understand that you are not bound to accept the lowest or any bid you may receive.

9. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a bid for the Works.

Dated this _____ day of _____, 20

Signature _____

in the capacity of _____ duly authorized to sign bid for and on behalf of

(Name of Bidder in Block Capitals)

(Seal)

Address

Witness:

(Signature) _____

Name: _____

Address: _____

[SCHEDULES TO BID INCLUDE THE FOLLOWING:

- Schedule A to Bid: Schedule of Prices
- Schedule B to Bid: Specific Works Data
- Schedule C to Bid: Works to be Performed by Subcontractors
- Schedule D to Bid: Proposed Program of Works
- Schedule E to Bid: Method of Performing Works
- Schedule F to Bid: Integrity Pact.
- Schedule G to Bid: Special Stipulations

SCHEDULE – A TO BID

SCHEDULE OF PRICES

Sr. No.		Page No.
1.	Preamble to Schedule of Prices.....	26
2.	Schedule of Prices.....	29
	* (a) Summary of Bid Prices	
	* (b) Detailed Schedule of Prices /Bill of Quantities (BOQ)	

- *[To be prepared by the Engineer/Procuring Agency]*

SCHEDULE - A TO BID

PREAMBLE TO SCHEDULE OF PRICES

1. General

- 1.1 The Schedule of Prices shall be read in conjunction with the Conditions of Contract, Contract Data together with the Specifications and Drawings, if any.
- 1.2 The Contract shall be for the whole of the works as described in these Bidding Documents. Bids must be for the complete scope of works.

2. Description

- 2.1 The general directions and descriptions of works and materials are not necessarily repeated nor summarized in the Schedule of Prices. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the Schedule of Prices.

3. Units & Abbreviations

- 3.1 Units of measurement, symbols and abbreviations expressed in the Bidding Documents shall comply with the System International d'Unites (SI Units).

(Note: The abbreviations to be used in the Schedule of Prices to be defined by the Procuring Agency).

4. Rates and Prices

- 4.1 Except as otherwise expressly provided under the Conditions of Contract, the rates and amounts entered in the Schedule of Prices shall be the rates at which the Contractor shall be paid and shall be the full inclusive value of the works set forth or implied in the Contract; except for the amounts reimbursable, if any to the Contractor under the Contract.
- 4.2 Unless otherwise stipulated in the Contract Data, the premium, rates and prices entered by the bidder shall not be subject to adjustment during the performance of the Contract.
- 4.3 All duties, taxes and other levies payable by the Contractor shall be included in the rates and prices.
- 4.4 The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Schedule of Prices, and where

SCHEDULE - A TO BID

no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works and no separate payment will be made for those items.

The rates, prices and amounts shall be entered against each item in the Schedule of Prices. Any item against which no rate or price is entered by the bidder will not be paid for by the Procuring Agency when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.

- 4.5 (a) The bidder shall be deemed to have obtained all information as to and all requirements related thereto which may affect the bid price.

*(b) The Contractor shall be responsible to make complete arrangements for the transportation of the Plant to the Site.

**(Procuring Agency may modify as appropriate)*

- 4.6 The Contractor shall provide for all parts of the Works to be completed in every respect. Notwithstanding that any details, accessories, etc. required for the complete installation and satisfactory operation of the Works, are not specifically mentioned in the Specifications, such details shall be considered as included in the Contract Price.

5. Bid Prices

5.1 Break-up of Bid Prices

The various elements of Bid Prices shall be quoted as detailed by the Procuring Agency in the format of Schedule of Prices.

The bidder shall recognize such elements of the costs which he expects to incur the performance of the Works and shall include all such costs in the rates and amounts entered in the Schedule of Prices.

5.2 Total Bid Price

The total of bid prices in the Schedule of Prices shall be entered in the Summary of Bid Prices.

6. Provisional Sums and Day work

- 6.1 Provisional Sums included and so designated in the Schedule of Prices if any, shall be expended in whole or in part at the direction and discretion of the Engineer/Procuring Agency. The Contractor will only receive payment in respect of Provisional Sums, if he has been instructed by the Engineer/Procuring Agency to utilize such sums.

- 6.2 Day work rates in the contractor's bid are to be used for small additional amounts of work and only when the Engineer have given written instructions in advance for additional work to be paid for in that way.

BILL OF QUANTITIES

CONSTRUCTION OF SQUASH COURT ONE COMPETITION COURT TWO PRACTICE COURT FOR SUKKUR SPORTS COMPLEX AT SUKKUR

SUMMARY OF PRICE

Sr. No.	Sub head	Description		Amount (Rs)
1	A	Construction Squash Court One Competition Court Two Practice Court	Schedule Items Below% or Above%	Rs.
2	B	Construction Tuff Paver	Schedule Items Below% or Above%	Rs.
			Non Schedule Item	Rs.
			Grand Total	Rs.

(In words _____
_____)

Contractor's Signature

Consultant's Signature

Project Director Sports Complex Sukkur

Committee's Signature

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

SCHEDULE - A TO BID

SCHEDULE OF PRICES - SUMMARY OF BID PRICES

SCHEDULE ITEMS

**Subject: T - 12 SQUASH COURT ONE COMPITATION COURT TOW PRACTIECE COURT FOR SPORTS
COMPLEX AT SUKKUR**

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
a. CIVIL WORKS (SCHEDULED ITEMS)						
1		EXCAVATION				
i	S.I NO 1- 18 P.5	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structrure with excavated earth Watering and ramming lead upto 5 ft. b) In ordinary soil.	%0 Cft	43097	3176.25	136,887.47
2		BACKFILLING				
i	S.I NO 5-29 P.27	Supplying and filling sand under floor and plugging in walls.	% Cft	28045	1141.25	320,063.59
3		ANTI TERMITE				
i	S.I N018-92 P.110	Providing Anti -termmite treatment by spraying /sprinkling /spreading Neptachlar 0.5% Emulsion as an overall pre -construction treatment in slab type construction under the slab and along attached perches or entrances etc, complete as per directions of Engineer Incharge.	P.Sft.	8312.93	9.74	80,967.97
4		CONCRETE				
i	S.I NO 4-2 P15	Dry rammed brick or stone ballast 1 1/2" to 2" gauge.	% Cft	2743.27	3327.50	91,282.24
ii	S.I NO 4-5 P16	Cement concrete plain including placing compacting, finishing and curing, comlete (including screening and washing at stone aggregate without shuttering.				
		i) Ratio. 1: 4 :8	% Cft	4040.16	11288.75	456,083.85
iii	S.I NO 4-6 P17	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle.) a)R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.(I)Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (SR CEMENT)	Per.Cft	2994.77	337.00	1,009,236.37
iv	S.I NO 4-6 P17	a)R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects.(I)Ratio (1 : 2: 4) 90 Lbs.cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge.	Per.Cft	7951.78	337.00	2,679,749.96
v	S.I NO 4-12 P18	Extra labour for lalying concrete plain or reinforced.				
		(b) For ever additional (10' to 20') height.	% Cft	4000.00	756.25	30,250

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
vi		(b) For ever additional 10' height..(20' to 30')	% Cft	4000.00	1513	60,500
vii	S.I NO 4-8b P17	Fabrication of Tor steel reinforcement for cement concrete including cutting,bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.)	Per Cwt	689.06	5001.70	3,446,471
viii	S.I NO 4-29 P19	Extra labour for lifting of steel above first floor for every additional floor.	Per Cwt	200.00	151	30,250
ix		Extra labour for lifting of steel above 2nd floor for every additional floor.	Per Cwt	200.00	303	60,500
x	S.I NO 4-10 P17	Precast cement concrete hollow blocks (1:2 : 4) including cost of templates and constructing walls there of .	P.Cft	1435.50	126.81	182,035.76
xi	S.I NO 4-23 P19	Providing and laying 1 : 3 : 6 Cement concrete solid Block masonry wall above 6" in thickness set in 1 : 6 cement mortar in G.F ground floor superstructure including raking out joints & curing etc, complete.	% Cft	8330.67	14621.44	1,218,064.18
xii	S.I NO 4-24 P19	Providing and laying 1 : 3 : 6 cement concrete solid block masonry wall 6" and below in thickness set in 1: 6 cement mortar in ground floor Super Structure including raking out joints & curring etc, complete.	% Cft	170.28	15771.00	26,854.86
xiii	S.I NO 4-24 P20	Add extra Labour for Block Massonary in				
		First Floor	% Sft	5000.00	328.97	16,449
		Second Floor	% Sft	2500.00	760.03	19,000.75
5	S.I NO 6-1 P27	STONE MASONARY.				
		FOUNDATION AND PLINTH.				
		Random, rubble masonry (uncoursed) (d) In cement sand mortar. (ii) Ratio.1:4	% Cft	3735.49	19025.05	710,679
6		ROOFING				
i	S.I NO 7-1 P34	First class tile roofing consisting of 4" earth and 1" mud plaster with Gobri leeping over 1/2" thick cement plaster 1:6 with 34 Lbs. Of hot bitumen coating sand blinded provided over 2 layers of tiles 12" x 6" x 1 1/4" laid in 1:6 cement mortar with 1/2" thick sand wiched layer of 1:6 cement mortar including 1:2 cement pointing underside of tiles complete including curing etc.	% Sft	4671.00	11443.10	534,507.20
7		FLOORING				
i)	S.I NO 8-21(a) P42	1 1/2" thick mosaic flooring consisiting of 3/8" mosaic tipping of one part of grey cement to two parts of marble chips laid over 1" thick flooring of 1: 2:4 cement concrete, including rubbing and polishing complete.	% Sft.	8198.62	8579.42	703,394.04

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
ii)	S.I N0 8-60 P47	Providing and laying tiles glazed 6" x 6" x 1/4" on floor or wall facing in required colour and apttern of STILE specification jointed in white cement and pigment over a base of 1:2 grey cement mortar 3/4" thick including washing and filling of joints with slaurry of white cement and pigment in desired shape with finishing, clearing and cost of wax polish etc. complete including cutting tiles to proper profile.	% Sft.	2070.44	30509.77	631,686.48
8		SURFACE RENDERING.				
		Plastering, Pointing ,White-washing, Colour-washing and Distempering etc.				
i)	S.I N0 9-11 P52	Cement plaster 1:3 upto 12' height. (d) 3/4" thick (only for block manosary work)	% Sft.	13803.23	3191.76	440,565.97
ii)	S.I N0 9-29 P54	Extra for lime mud or cement plaster and pointing from 12' and above (for each additional 10' height).	% Sft.	20000	140.97	28,194
iii)	S.I N09- 38A P56	Preparing the surface and painting with weather coat l/c rubbing the surface with rubbing brick / sand Paper, filling the voids with chalk/ plaster of Paris and then painting with weather coat of approved make.	% Sft.	941.00	1328.25	12,498.83
iv)	S.I N09- 38B P56	2nd & subsequent coat.	% Sft.	941.00	619.85	5,832.79
v)	S.I N09- 40A P56	Preparing the surface and painting with plastic emulsion paint of approved make l/c rubbing the surface with sand Paper, filling the voids with chalk / plaster of paris and then painting etc. complete.	% Sft.	23509.84	1080.75	254,082.60
vi)	S.I N09- 40B P56	2nd & subsequent coat.	% Sft.	23509.84	578.60	136,027.93
9		WOOD WORK.				
i)	S.I N0 10- 7a P58	Fist class deodar wood wrought, joinery in doors and windows etc, fixxed in position including chowkats hold fasts hinges, iron tower bolts, chocks cleats, handles and cords with hooks, etc.Deodar panelled or panelled and glazed, or fully glazed.(a) 2" thick	P. Sft.	371.00	1336.59	495,874.89
ii)	S.I N010-60 P66	Providing and fixing with sunk iron screws wooden Architrave approved design/ shape having width not less than 2- 1/2 inches as directed by Engineer Incharge.	P. Rft.	554.00	49.97	27,683.38
iii)	S.I N010-21 P60	Providing and fixing approved quality mortice lock.	Each No	20.00	1786.13	35,722.60
10		PAINTING AND VARNISHING				
i)	S.I N011-1 P63	(a) Cleaning painted wood work with oil and water.	% Sft.	742.00	2116.41	15,704

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
11		ALUMINIUM WINDOWS				
i)	S.I NO 18-84 P108	Supplying & fixing in position Aluminium channels framing for slidding windows & ventilators of Alcop made with 5 mm thick tinted glass glazing (Belgium) & Aluminium fly screen l/c handles stoppers & locking arrangement etc. complete.	P. Sft.	288.00	1647.69	474,534.72
Total=						14,371,635
_____ % Above on item No. _____ (+)						
_____ % Below on item No. _____ (-)						
Grand Total=						

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
SQUASH COURT						
Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
b. CIVIL WORKS (NON SCHEDULED ITEMS)						
		GUTKA/FARE FACE BRICK WORK				
1	N.S.I	Providing and laying Fair Face brick masonry 1-1/2" thick with external wall set in cement sand mortar (1:3) in straight or curved walls including scaffolding racking out joint and curing etc. complete as per drawing , specification or directed by Engineer.	Sft	10927.12		
		CHAKWAL STONE				
2	N.S.I	Laying Chakwal Stone for wall fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of the joints. (a) 1" thick flooring.	Per Sft.	2489.45		
		HAND RAILING				
3	N.S.I	Providing and fixing in position 3 ft high railing using SS pipe 1-1/2" dia as vertical bar top welded with 1" x 1/4" S flat and threaded bar bottoms screwed in floor or parapet using rawal bolt hand rail made of 2" dia SS pipe as per shape and design given in the drawing is to fixed with screwed 5.5" c/c on top of SS flat the work include all grinding buffing and polishing work as per given in the drawing complete in all respect.	Rft	138		
		PRE-ENGINEERED STEELSTRUCTURE ROOF				
4	N.S.I	Supply and fabricate Pre-engineered steel building along with all tatypes of bolts,connections,stiffers,bracings etc.in accordance with Speccifacation & architectural drawings as per Instruction of Engineer Incharge.	Per Sft.	5271.90		
Total=						
5	N.S.I	SQUASH COURT BOQ FOR 2 PRACTICE COURTS				
i	N.S.I	Front Wall 40mm total construction thickness 20mm thick wall elements screwed minimum 300 times to the wall of the building . The front wall ends 500 mm above the out of play line provide. Walls are filled with dried marble chips, The surface of the court wall is coated with a special paint to fulfil the requirement of the Sport of squash. The out-of-play lines are made of drawn aluminium profiles. The out-of-play lines are concave and the convexity is red.No.of colour shade : RAL 3000.The system comes with height Adjustable Tin	Set	2		

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
ii	N.S.I	Free Standing Glass Back Wall .Toughened one pane safety glass with etching. 12mm thick The glass wall consists of four panels and one glass door with white ceramic silk screened lines .The clear entrance width is 914mm (handicap access) . The glass panels are supported by glass fins 300mm long in a dagree angle . The glass door is mounted laterally with hingess. The door opens to the inside of the court	Set	2		
iii	N.S.I	1st Grade Maple Floor From Action Floor USA LLc 112/180/2000 over double beam sub Floor 16x129x4000mm With Rubber pads Din Approved	Set	2		
iv	N.S.I	6x36 Watts (color temperature- daylight series) Electromagnetic low loss ballasts . H.P.F with rotary lock in PC holders. Tube Lights encased in white reflective high gloss reflector with diamond mesh diffuser in front to avoid ball contact with lamps, The Light is composed of three sections i) Body encompassing of thee section ii) Reflector iii) Ball guard protective diffuser	Set	18		
v	N.S.I	Supply & Installation of PVC outline.	Set	1		
vi	N.S.I	Hieght Adjustable Tin, Made by High Standard Alloy , and steel bolts made by TSBPL Approved Squah Court Standards.	Set	1		
Total=						
6		COMPATATION COURT				
i	N.S.I	ABS Glass Front Wall one Way Vision	Set	1		
ii	N.S.I	ABS Glass Side Wall one Way Vision	Set	2		
iii	N.S.I	ABS Glass Side Wall Back Wall 4 Panel	Set	1		
iv	N.S.I	Lighting System	Set	1		
v	N.S.I	Infrared Tin	Set	1		
vi	N.S.I	Demountable ASB Wooden Floor	Set	1		
vii	N.S.I	Extra Accessories Includes: 1 Extra Glass Pannel, Ventilation System.Light System Without Posts.	Set	1		
Total=						

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
c. PLUMBING WORKS (SCHEDULED ITEMS)						
1	Chapter-1, Item-5	Providing & fixing European white glazed earthen ware wash down w.c pan complete with and l/c the cost of white/black plastic seat (Best Quality) and lid with c.P brass hinges and buffers, 3 gallons white glazed earthen ware low level foushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requiste number of holes in walls, plinth and floor for Pipe connectios and making good in cement concreete 1: 2: 4. (Foreign Quality).	6.00	Each	11477.40	68864.40
2	Chapter-1, Item-13	Providing & fixing 22" x 16" lavatory basin in white glazed earthen ware complete with & l/c the cost of W.I or C.I cantilever brackets 6 inches built into walls, painted white in 2 coats after a primary coat of red lead paint, a pair of 1/2" rubber plug & chrome brass waste of approved pattern 1-1/4" dia malloable iron or c.p. ba]rass traps, malloable iron or brass unions and making requisite number of holes in walls plinth and floor for pipe connection & making good in cement cencecrete 1:2:4 (Foreign or Equivalant).	6.00	Each	6237.00	37422.00
3	Chapter-1, Item-23	Providing & fixing in position nyloon connections complete with 1/2" dia, brass stop cock with pair of brass nuts and lining joints to nyloon connection.	24.00	Each	447.15	10731.60
i		(b) 3/4" dia round or square (Superior quality).	2.00	Each	1082.95	2165.90
ii	Chapter-2, Item-2	Providing & fixing c.p brass toilet paper ho9lder of standar size with chrome plated brass brackets complete (Similar to twyford's design No. 1108) (b) superior Quality.	8.00	Each	1071.40	8571.20
iii	Chapter-2, Item-3	Providing & fixing 24" x 18" bavelled edge mirror of belgium glass complete with 1/8" thick hard board and c.p screws fixed to wooden pleat.	8.00	Each	2376.00	19008
iv	Chapter-2, Item-5	Supplying & fixing soap tray earthen ware with c.p screws etc. complete.	10.00	Each	497.20	4972
4	Chapter-6, Item-2	<u>Supplying & fixing in position C.P Bib cock.</u>				
i		(b) 1/2" dia C.P bib cock ,Standard pattern	5.00	Each	150.92	754.60
ii	Chapter-6, Item-3	Providing & fixing C.P brass shower rose with or 3/3" inlet (with detachable lid) (b) 4" dia (Superior Quality)	2.00	Each	259.38	518.76
iii	Chapter-6, Item-6	Providing and fixing ball valve (with unsoldered copper ball) made to B.B S 1212. (v) 1-1/2" dia	16.00	Each	573.70	9179
iv	Chapter-6, Item-11	Cancealed C.P fittings of Superior quality for tiles Bath Rooms.(b) S/Fixing cancealed stop cock of superir quality with c.p head 1/2" dia.	20.00	Each	509.74	10195

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
v	Chapter-6, Item-12	(b) S/Fixing cancealed tee-stop cock of superir quality with c.p head 1/2" dia.	30.00	Each	889.46	26684
vi	Chapter-6, Item-14	(b) Supplying/Fixing wash basen mixture of superir quality with c.p head 1/2" dia.	8.00	Each	3179.00	25432
vii	Chapter-6, Item-15	Supplying & fixing jet shower with rod of superior quality single c.p head 1/2" dia.	2.00	Each	1142.24	2284
viii	Chapter-6, Item-19	(b) Supplying & fixing C.P Muslim Showeer with crystal head etc.complete.	8.00	Each	3432.00	27456
ix	Chaper-4, Item-1	Providing G.I Pipes, specials, and clamps etc, including fixing cutting & fitting complete with and l/c the cost of breaking thorough walls and roof, making good etc. painting two coats after cleaning the Pipe etc. with white zink paint with pigment to match the colour5 of the building and testing with water to a pressure head of 200 feet and handling. (For gas work) (ii) 3/4" dia G.I Pipe	25	RFT	95.79	2394.75
Total=						256633
_____ % Above on item No. _____ (+)						
_____ % Below on item No. _____ (-)						
Grand Total=						

SQUASH COURT

Sr #	Ref #	Description	QTY.	Unit	Composite	Amount (Rs)
1	2	3	4	5	7	8

d. PLUMBING WORKS (NON SCHEDULED ITEMS)

i) WATER SUPPLY SYSTEM						
	1	Providing, laying, fixing, testing and disinfecting, polypropylene pipelines for cold and hot water supply as per DIN 8077/8078 PN-20 for pipe and DIN 16962 PN-25 for fittings or equivalent BS specification Dadex, Beta or Tetraplast make as approved by the Engineer Incharge complete in all respects to their entire satisfaction, including specials such as tee, cross, reducer, bend, union, elbow, plug, socket etc., supported on walls or suspended from slab or run in chases (chased in walls shall be made by using electric cutter) including supports, cutting and making good the same as necessary to the structure complete in all respects. (all hot and cold water pipes shall run under the ceiling of lower floors, galvanized hangers and rawl bolts shall be used. Fishers or LWT make shall be used for all fittings and valves)				
	i	a). 25 mm o/d	110	RFT		
	ii	b). 32 mm o/d	108	RFT		
	iii	c). 40 mm o/d	37	RFT		
	iv	d). 50 mm o/d	185	RFT		
	v	e). 63 mm o/d	25	RFT		

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
	2	Providing, fixing and testing PPRC ball valve Dadex, Beta or Tetraplast make as approved by the Engineer Incharge complete in all respects to their entire satisfaction including all accessories and jointing material complete				
	i	i) 25 mm o/d	6	Each		
	ii	ii) 32 mm o/d	6	Each		
	iii	iii) 40 mm o/d	4	Each		
	iv	iv) 50 mm o/d	2	Each		
	3	Providing, fixing and testing heavy duty brass ball valve Italian or equivalent make as approved by the Engineer Incharge complete in all respects to their entire satisfaction including all accessories and jointing material complete in all respects				
	i	i) 1-1/2" dia	1	Each		
ii) DRAINAGE SYSTEM PIPING						
	4	Providing, laying, fixing and testing uPVC soil, waste, vent and rain water as per BSS 4514 & 5255 or equivalent BS specifications including uPVC fittings with solvent cement jointing or rubber ring joints Dadex Nikasi or Tetraplast make as approved by the Engineer Incharge complete in all respects, including, clamps, bends, tees, Y-tees, cowls, reducers, clean out etc., embedded in floors and walls, clamped to walls, suspended from slab, painted MS horizontal and vertical pipe hangers of approved design making requisite no. of holes and making good the same complete in all respects. (all soil, waste and vent pipes shall run under the ceiling of lower floors, galvanized hangers and rawl bolts shall				
	i	i) 2" dia	92	RFT		
	ii	ii) 3" dia	25	RFT		
	iii	iii) 4" dia	496	RFT		
	5	Providing, laying, fixing and testing floor drain (multifloor trap) UPVC including extension grating and stainless steel cover grating best quality local make Dadex or as approved Engineer Incharge complete in all respects to their entire satisfaction.	3	Each		
	6	Providing, laying, fixing and testing floor drain (P-trap) UPVC including extension grating and stainless steel cover top grating best quality local make Dadex or as approved Engineer Incharge complete in all respects to their entire satisfaction	10	Each		
	7	Providing and laying brick masonry gully trap chamber size 12"x12" including upvc P-trap, CI grating, CI cover, complete in all respects.	2	Each		

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
	iii) GAS PIPING					
	8	MS pipe for high pressure including cleaning applying primer, coating with BBES (Bitumen, Binding, Enamel Surface) compound and wrapping with fiber glass, welding complete and laid in trenches, 20mm dia (excluding excavation) supply and fixing.				
	i	i) 3/4" i/d	160	Rft		
	ii	ii) 1" i/d	20	Rft		
	9	Providing, fixing and testing gas cock Italian make or equivalent as approved by the Engineer Incharge complete in all respects to their entire satisfaction including all accessories and jointing material complete in all respects.				
	i	i) 3/4" i/d	2	Each		
	ii	ii) 1" i/d	1	Each		
	10	Providing, installing, testing and commissioning instagas geyser of specified of specified capacity Hometech make, including all necessary valves and fittings, inlet and outlet connections complete in all respects.	2	Each		
	11	Providing and fixing soap dispensar best quality Grohe make or as approved by the Engineer Incharge complete in all respects to their entire satisfaction including all accessories and fittings complete.	4	Each		
	12	Providing, fixing, testing and commissioning electric hand dryer SIEMENS latest model or as approved, including jointing material etc. complete in all respects.	2	Each		
	TOTAL =					

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8

SQUASH COURT

Sr #	Ref #	Description	QTY.	Unit	Composite	Amount (Rs)
1	2	3	4	5	7	8

e. ELECTRICAL WORKS (SCHEDULED ITEMS)

		General				
		All itmes of Electrical works described under title "Description" unless specifically indicated otherwise, shall be deemed to be read in terms of supply, storing, protecting, making, assembling installing, applying, laying, fixing, testing commissioning, clearing etc. of the same inclusive of but no limited to all materials, labour, tools, plants equipments, appliances etc. as required for the completion and maintenance of the Electrical work as per drawings specifications, and/or as directed by the Engineer Incharge.				
		Note:				
		<i>The project Contractor shall carry out all Electrical works by approved (Licenced by Local Electrical Inspector) Electrical sub-Contractor.</i>				
1		WIRING FOR LIGHT OR FAN POINT				
		Wiring for light or fan point with 3/.029 PVC insulated wire in 20mm(3/4") PVC conduits recessed in the wall or column as required.	84	Per Point	1,130.00	94,920.00
2		WIRING FOR PLUG POINT				
		Wiring for plug point with 3/.029" PVC insulated wire in 20mm(3/4") PVC conduit recessed in the wall or column as required.	39	Per Point	985.00	38,415.00
3		WIRING FOR CALL BELL				
		Wiring for call bell point with 3/.029" PVC insulated wire in 20mm(3/4") PVC conduit recessed in the wall or column as required.	2	Per Point	1,764.00	3,528.00
4	SH-II/B/10/2	FOR LIGHT CIRCUIT WIRING				
		Providing & laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.029 coper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	8	Per Mtr	222.00	1,776.00
5	SH-II/B/11/2	FOR POWER CIRCUIT WIRING				
		Providing & laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.036 coper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	10	Per Mtr	252.00	2,520.00
6	SH-II/B/12/2	FOR AC WIRING				
		Providing & laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.044 (6mm2) coper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	225	Per Mtr	341.00	76,725.00

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
		FOR LIGHT CIRCUIT WIRING				
7	SH-II/D/14/4	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.029 coper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	313	Per Mtr	294.00	92,022.00
		FOR DB/CIRCUIT WIRING				
8	SH-II/F/40/6	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 4-7/.044 (6mm2) coper conductor in 1 1/2" dia PVC conduit recessed in the wall or column as required.	20	Per Mtr	613.00	12,260.00
		FOR DB/CIRCUIT WIRING				
9	SH-II/F/41/6	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 4-7/.052 (10mm2) coper conductor in 1 1/2" dia PVC conduit recessed in the wall or column as required.	16	Per Mtr	858.00	13,728.00
		FOR DB/CIRCUIT WIRING				
10	SH-II/F/42/6	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 4-7/.064 (16mm2) coper conductor in 1 1/2" dia PVC conduit recessed in the wall or column as required.	18	Per Mtr	1,213.00	21,834.00
		A. FLUSH TYPE SWITCHES				
11	SH-XI/A/219/33	Providing & fixing one way SP 5amp flush type switches.	84	Per No:	54.00	4,536.00
12	SH-XI/A/220/33	Providing & fixing two way SP 5amp flush type switches.	2	Per No:	55.00	110.00
		A. FLUSH TYPE SOCKETS				
13	SH-XI/A/225/33	Providing & fixing two pin 5amp plug & socket flush type switches.	22	Per No:	83.00	1,826.00
14	SH-XI/A/226/33	Providing & fixing three pin 5amp plug & socket flush type switches.	39	Per No:	151.00	5,889.00
15	SH-XI/A/227/33	Providing & fixing three pin 10/15amp plug & socket flush type.	11	Per No:	162.00	1,782.00
16	SH-XI/B/228/33	Providing & fixing Bakelite ceiling rose with two terminals.	28	Per No:	72.00	2,016.00
C		FANS				
17	SH-XI/C/234/34	Providing & fixing Brass Ceiling fan 48" (good quality).	1	Per No:	3,020.00	3,020.00
18	SH-XI/C/235/34	Providing & fixing Brass Ceiling fan 56" (good quality).	19	Per No:	3,185.00	60,515.00
19	SH-XI/C/236/34	Providing & fixing Brass Bracket fan 18" (good quality).	1	Per No:	2,791.00	2,791.00
		Flood/Faceade Lights				
20		Providing and fixing of flood lights having IP65 classification with lamp, choke, capacitor, igxitor and internal wiring complete in all respects at the height upto 40Ft with the help of hydraulic crane and manual labour as per site requirement and instructions of engineer incharge, with following lamps				

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
i	SH-VII/164/26	(i) 250 Watts (Soduin Lamp)	1	Per No:	15,825.00	15,825.00
ii	SH-VII/166/26	(ii) 400 Watts (Soduin Lamp)	1	Per No:	17,585.00	17,585.00
iii	SH-VII/165/26	(iii) 250 Watts Metal Halide Lamp)	1	Per No:	15,440.00	15,440.00
iv	SH-VII/167/26	(iv) 400 Watts Metal Halide Lamp)	1	Per No:	16,980.00	16,980.00
Total=						506,043
_____ % Above on item No. _____ (+)						
_____ % Below on item No. _____ (-)						
Grand Total=						

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8

f. ELECTRICAL WORKS (NON SCHEDULED ITEMS)

IE-01	N.S.I	<u>2-WAY LIGHT POINT AND WIRING.</u>				
i		Wiring for 2-way light point with (3/0.029") PVC insulated wire in 20mm (3/4") dia PVC conduit/Pipe recessed in wall, column, roof, including (3/0.029") PVC insulated wire as ECC with 5 Amps, S.P, 2-way flush type switch back box and face plate as required and approved make and quality as per instructions of Engineer Incharge and complete in all respects.	Point	2		
IE-02	N.S.I	<u>TELEPHONE & INTERCOM OUTLET POINTS & WIRING.</u>				
		Supply, installation, fixing, wiring, testing and commissioning of telephone & intercom outlet points wired with two pair/ required requisite pair telecommunication cable (approved colours) as per PTC Formerly T&T Department) standards and specifications run in ¾" (20mm) dia PVC heavy guage conduits recessed in walls, slabs, columns, floor or as per required as per site conditions including the cost of PVC conduit accessories, junction boxes, pull boxes, steel pull wire etc. M.S. sheet box of 16 SWG requisite size for flush mounting to house this and cover of approved type, material, quality and make with the two coats of enamelled				
i		paint to the back box . It includes telephone rosette with jacks etc. Complete in all respects.	Point	1		

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
IE-03	N.S.I	TELEPHONE JUNCTION BOX, TJB.				
i		Supply, installation, fixing, wiring, testing and commissioning of 20-pair telephone junction box installed as and where shown on drawing or as per site situation made of M.S. sheet 14 SWG metal clad totally enclosed, indoor, wall mounted, cubicle with front access including all accessories, internal wiring and connection, circuit labels, duly painted with anti-rust paint and two coats of stove enamelled paint of approved colour equipped as described and including all necessary accessories and approved type, material quality and make. Complete in all respects.	No.	1		
IE-04	N.S.I	TV SOCKET OUTLET UNIT.				
i		Supply, installation, Wiring, testing & Commissioning of TV and Dish Point, Complete in all respects.	Point	1		
IE-05	N.S.I	LIGHT FITTINGS AND FIXTURES				
		Supply, installation, fixing, wiring, connecting, testing and commissioning of fluorescent / Incandescent fittings and fixtures, ceiling mounted or ceiling suspended or installed in the false ceiling or wall mounted, pole mounted, weather proof, adjustable or non-adjustable, complete with chokes, spring loaded rotary holders starter, power factor correction capacitors, antiradio interference/ Capacitor, starters, ballast with brackets and down rod, industrial shade, brass lamp holder, proper gasketing, necessary fixing accessories, internal wiring, connection, earthing terminal etc. These are to be installed as and where shown on drawings or as required as per site conditions. Complete in all respects. These will be made of approved manufacturers:				
IE-06		A) LIGHTS.				
		These will consist of as described and equipped as above but specified as under These light units should be complete in all respects. All light fittings & fixtures should be Philips type.				
i		i) Tube light basic batten, TMS-015/136, surface type, TL'D, 1x36 watts, White day light lamp.	No.	2		
ii		ii) Tube light basic batten, TMS-015/236, surface type, TL'D, 2x36 watts, White day light lamps.	No.	2		
iii		iii) Energy Saver light ceiling mounted 1x24 watts (Surface type).	No.	33		
iv		iv) Energy Saver light ceiling mounted 1x24 watts (Concealed type).	No.	50		
v		vii) External wall bracket Watertight Light XGC-532 with 1X60 Watt GLS Lamp	No.	27		
vi		ix) Philips type GMP-120 with 1x20 watts lamps.	No.	8		
vii		x) Philips type Sports Hall Light HDK-850 with 250W BHL for HPI 250W BU	No.	18		

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
IE-07	N.S.I	EXHAUST FANS.				
		Supply, installation, fixing, wiring testing and commissioning of wall fitted exhaust fans of required requisite sweep including cost of blades, plastic frame, iron frame, louvers, capacitor, nuts, bolts, all necessary fixing accessories, complete in all respects. The item will be approved quality and make. These will consist of as described and equipped above but specified as under.				
i		i) 18" sweep, General exhaust fan.	No.	3		
ii		ii) 10" sweep, Plastic exhaust fan.	No.	2		
IE-08	N.S.I	BACK BOXES FOR SWITCH BOARD WITH FACE PLATE.				
		Supply and erection of M.S Sheet boxes of 16 SWG, 4" deep with 3/16" thick bakalite sheet top, for recessed wiring including making holes for Switches, Socket, & Fan dimmer etc.				
i		(a) 4"x4" Board	No.	78		
ii		(b) 7"x4" Board	No.	4		
iii		(c) 9"x4" Board	No.	3		
iv		(d) 10"x12" Board	No.	4		
IE-09	N.S.I	CABLES.				
		Supply, installation, wiring, fixing, laying, connecting, jointing, testing and commissioning of single core/3.5 core/4 core, PVC insulated, PVC sheathed, armoured / unarmoured, copper conductor 250/440 volts or 600/1000 volts grade cables, in pre-laid PVC pipes M.S. conduits/G.I pipe/wooden strip batten/wooden casing and capping/ RCC pipes/ trenches/on cable clamps etc as and where shown on Drawings or as required as per site conditions. It includes the rate of the cables also.				
		A) SINGLE CORE CABLES.				
		Single core, PVC insulated, copper conductor, 250/440 & 600/1000 volts grade cables.				
i		i) 2.5mm (Sq) (7/0.074mm)	Meter	225		
ii		ii) 4mm (Sq) (7/0.091mm)	Meter	129		
iii		iii) 6mm (Sq) (7/1.12mm)	Meter	477		
in		iv) 10mm (Sq) (7/1.32mm)	Meter	524		
v		v) 16mm (Sq) (7/1.63mm)	Meter	176		
vi		vi) 25mm (Sq) (19/1.32mm)	Meter	31		
vii		vii) 35mm (Sq) (19/1.63mm)	Meter	274		
viii		viii) 50mm (Sq) (19/1.83mm)	Meter	1620		

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
ix		B) <u>4-CORE CABLES.</u>				
x		i) 4-core 35mm (Sq)	Meter	3		
xi		ii) 4-core 50mm (Sq)	Meter	2		
IE-10	N.S.I	<u>CABLE CONDUITS (PVC / RCC / GI / MS PIPES)</u>				
		Supplying, installing, fixing, laying and erecting of cable conduits/pipes for wiring recessed in wall, ceiling, columns, slab, floor ground as and where shown on the drawing or as required as per site conditions etc. including inspection boxes, pull boxes, steel pull wire, hooks, tees, bends, cutting jharries, chases and repairing surfaces etc. complete with all specials. It includes rates for the pipes also. These will consist of as described above but specified as under:				
i		i) 1" diameter PVC pipe	Meter	65		
ii		ii) 1 ½" diameter PVC pipe	Meter	109		
iii		iii) 2" diameter PVC pipe	Meter	44		
iv		iv) 3" diameter PVC pipe	Meter	4		
v		v) 4" diameter PVC pipe	Meter	466		
EE-11	N.S.I	<u>DISTRIBUTION BOARD</u>				
		Supply, installation, connection of wires/cables, testing and commissioning of 500 volts, 50 Hz, 3-Phase and neutral distribution boards (DBs) concealed type, wall mounted to be installed as and where shown on drawings, made of M.S. sheet 16 SWG with hinged door, handle, catcher, earthing bar, neutral strip, internal wiring from MCCBs terminating on cable terminal blocks. One coat of antirust and anti-corrosive paint with further two coats of enamelled paint of approved colour, all necessary materials complete in all respects and manufactured by any one of the approved manufacturers: conforming to single line diagram. D.B shall be equipped with the following equipment as shown on drawings.				
i		LDB-IF+G, PDB-IF+G, (2-WAYS Distribution) (3-Phase)	Job	2		
ii		LDB-IF2, PDB-IF2 (3-WAYS Distribution) (3-Phase)	Job	2		
ii		LDB-IF1, PDB-IF1, (4-WAYS Distribution) (3-Phase)	Job	2		
EE-12		<u>CABLE TRENCH</u>				

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
		Excavation for cable trenches in any type of soil except rock to required depth including dagbelling, dressing, back filling around structure with excavated earth, watering ramming and disposing unsuitable and surplus excavated material to a site indicated by Engineer and dewatering where required, shoring, timbering, trimming etc. complete				
		in all respects and as per drawings and standard specification and of the following sizes				
i		24" wide x 36" deep	Meter	2		
ii		18" wide x 24" deep	Meter	2		
EE-13	N.S.I	<u>CABLE MANHOLES (CABLE CATCH PITS)</u> <u>CABLE INSPECTION PITS</u>				
		Construction of brick manhole 9" thick walls, requisite internal size with cement mortar internal plaster 1:4 RCC 4" thick manhole cover with lifting hooks, including cost of sealing compound to be used to seal the RCC pipes ends for all incoming and outgoing L.T. cables, 2 coats of hot bitumen on the external surface complete in all respects with all necessary materials as per details shown on drawings and of following sizes:				
i		i. 1.5' x 1.5' x 1.5'	Job	1		
ii		ii. 2' x 2' x 2'	Job	1		
iii		iii. 3' x 3' x 3'	Job	1		
EE-14	N.S.I	<u>L.T. SWITCHGEAR SYSTEM</u>				
		<u>SUB MAIN PANEL BOARD, SMPB.</u>				
		Supply, installation, testing and commissioning of Main Panel Board MPB, installed as and where shown on drawing, made of M.S sheet 14 SWG metal clad totally enclosed, indoor, floor mounting, cubicle with front access, in free standing design including all auxiliaries, internal wiring, circuit labels, earthing bar, suitable for system voltage 220/500 volts, A.C. 50 Hertz, 3 phase, neutral and earth air insulated bus bars of hard drawn 99% electrolytic copper, duly painted with antitrust paint and 2 coats of stove enameled paint of approved colour, equipped as under and manufactured by any one of the approved manufacturers, and complete in all respects, including cost of all necessary accessories and conforming to the consultant single line diagram				

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
		The following material and auxiliary equipments shall be provided.				
		a) <u>BUS BARS SYSTEM</u>				
		3-Phase, neutral and earth air insulated bus-bars of hard drawn 99% electrolytic copper conductor requisite rating 500 volts, A.C. 500 volts, A.C. 50 Hertz, duly painted with antitrust paint and 2 coats of stove enameled paint of approved colour.				
		b) <u>PROTECTION SYSTEM (THERMAL & MAGNETIC RELAY).</u>				
		Under voltage and over load short circuit protection with adjustable thermal and magnetic release shall be provided.				
		c) <u>NEON PHASE INDICATIONS</u>				
		Main Panel Board, MPB, should have neon phase indications in Red, Yellow and Blue colours on respective phases.				
		d) <u>CURRENT TRANSFORMERS. C.Ts.</u>				
		3 Nos. Air cooled ring type current transformers, C.Ts with primary to secondary requisite ratio on incoming and one C.T. on each outgoing circuit for protection and metering purposes.				
		e) <u>AMMETER</u>				
		Ampermeter scale 0-400 AMPS rane A.C 50 CPS with dial face of 96x96mm shall be provided on incomming & outgoing MCCB/ACB along with selector switch on incoming. (96x96)				
		f) <u>VOLTMETER</u>				
		Voltmeter scale 0-500 volts range, A.C, 50 CPS with dial face of 96x96mm shall be provided on incoming MCCB/ ACB along with the selector switch. (96x96)				
		g) <u>SAFETY FUSES</u>				
		Safety fuses before the electrical measuring indicating quantity meters (Voltmeter, ammeter etc.) must be provided.				
IE-15		Main Panel Board WAPDA, MPB	Job	1		
IE-16		Main Panel Board Emergency, MPB -E	Job	1		
IE-17		PFI PLANT (200 KVAR)	Job	1		
IE-18	N.S.I	ELECTRIC CALL BELLS				
i		Providing and fixing A.C. or D.C. electric buzzer 220/250 volts.	Each	2		

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
IE-19	N.S.I	ELECTRIC BELLS PUSH				
i		Providing and fixing flush type electric bell push button	Each	2		
IE-20	N.S.I	FAN CLAMPS/BOX				
i		Providing and fixing mild steel bar fan Box clamps 15.8 mm (5/8") dia suitable for R.C.C. roof	Each	30		
IE-21	N.S.I	ERECTION OF EXHAUST FANS LOVURE				
i		Providing and erecting butterfly shutter for 228mm(9")sweep exhaust fan complete as required	Each	2		
IE-22	N.S.I	ERECTION OF EXHAUST FANS LOVURE				
i		P/E butterfly shutter for 457mm (18")sweep exhaust fan complete as required	Each	3		
IE-23	N.S.I	EARTHING SET				
i		P/F earthing set with 2"x 2"x 1/2" copper plate burried in ground at a depth of 12 or less if water comes out from the ground level with salt and chorcoal, etc ,in/c. making the pit 12" deep by excavation of all type of soil. Earth plate to be connected with No. 8 S.W.G. bare copper wire run in 1/2" G.L. pipe straght from the earth plate upto the metallic Electrical assesary i/e providing necessary Tee.	Per Rft	2		
IE-24	N.S.I	EARTH CONDUCTOR				
i		providing & fixing hard drawn bare copper wire no.10 S.W.G as earth continuity with any given mains or sub-mains in all system of wiring including metallic Electrical accessories.	Per Rft	100		
TOTAL=						

SQUASH COURT

Sr #	Ref #	Description	Unit	QTY.	Composite	Amount (Rs)
1	2	3	4	5	7	8
SQUASH COURT EXTERNAL OPEN AREA PAVING BLOCKS						
Sr #	Ref #	Description	QTY.	Unit	Composite	Amount (Rs)
1	2	3	4	5	6	7
<i>a. CIVIL WORKS (SCHEDULED ITEMS)</i>						
1	S.I NO 5-29 P.26	BACKFILLING Supplying and filling sand under floor and plugging in walls.	% Cft	942.50	1141.25	10,756.28
2	S.I NO 4-2 P15	CONCRETE Dry rammed brick or stone ballast 1 1/2" to 2" gauge.	% Cft	622.05	3327.50	20,698.71
3	S.I NO 4-5 P16	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering.				
		i) Ratio. 1: 2 :4	% Cft	471.25	14429	67998
4	S.I NO 8-71 P.49	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with natural colours, having strength b/w 5000 psi to 8500 psi l/c filling the joints with hill sand and laying in specified manner /pattern and design etc: complete.	P.Sft	1885.00	199.77	376566.45
Total=						476,019.29
_____ % Above on item No. _____ (+)						
_____ % Below on item No. _____ (-)						
Grand Total=						

SCHEDULE - B TO BID

***SPECIFIC WORKS DATA**

(To be prepared and incorporated by the Procuring Agency)

**(Note: The Procuring Agency shall spell out the information & data required to be filled out by the bidder and to furnish complementary information).*

SCHEDULE – C TO BID

WORKS TO BE PERFORMED BY SUBCONTRACTORS*

The bidder will do the work with his own forces except the work listed below which he intends to sub-contract.

Items of Works of similar to be Sub-Contracted previously executed. <i>(attach evidence)</i>	Name and address of Sub-Contractors	Statement works
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Note:

* *The Procuring Agency should decide whether to allow subcontracting or not.*

In case Procuring Agency decides to allow subcontracting then following conditions shall be complied with:

1. No change of Sub-Contractors shall be made by the bidder without prior approval of the Procuring Agency.
2. The truthfulness and accuracy of the statement as to the experience of Sub-Contractors is guaranteed by the bidder. The Procuring Agency's judgment shall be final as to the evaluation of the experience of Sub-Contractors submitted by the bidder.
3. Statement of similar works shall include description, location & value of works, year completed and name & address of the clients.

SCHEDULE – D TO BID

PROPOSED PROGRAMME OF WORKS

Bidder shall provide a programme in a bar-chart or Program Evaluation and Review Technique (PERT) or Critical Path Method (CPM) showing the sequence of work items by which he proposes to complete the works of the entire Contract. The programme should indicate the sequence of work items and the period of time during which he proposes to complete the works including the activities like designing, schedule of submittal of drawings, ordering and procurement of materials, manufacturing, delivering, construction of civil works, erection, testing and commissioning of works to be supplied under the Contract.

SCHEDULE – E TO BID

METHOD OF PERFORMING WORKS

The bidder is required to submit a narrative outlining the method of performing the Works.

The narrative should indicate in detail and include but not be limited to:

- The sequence and methods in which he proposes to carry out the Works, including the number of shifts per day and hours per shift, he expects to work.
- A list of all major items of construction and plant erection, tools and vehicles proposed to be used in delivering/carrying out the works at site.
- The procedure for installation of equipment and transportation of equipment and materials to the site.
- Organization chart indicating head office & field office personnel involved in management, supervision and engineering of the Works to be done under the Contract.

HESCDULE – F TO BID

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC PAYABLE BY CONTRACTORS

(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)

Contract No. _____ Dated _____

Contract Value: _____

Contract Title: _____

..... [name of Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Contractor] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

[name of Contractor] accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Contractor] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to PA under any law, contract or other instrument, be avoidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, [name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from PA.

.....

[Procuring Agency]

[Contractor]

HESCDULE – G TO BID

(SPECIAL STIPULATIONS)

The Stipulations outlined hereunder in the form of a Table summaries certain terms and conditions which are set forth in the Instructions to Tenderers, General Conditions of the Contract and Special Provisions and these Stipulations form and integral part of the Contract.

1.	Amount of Earnest Money	2% (Two percent) of the Tendered Price.
2.	Form of Earnest Money	Either a Pay Order of Deposit-at-Call from a Schedule Bank of Pakistan in favour of Executive Engineer Sports & Youth Affairs Department Government of Sindh, Karachi.
3.	Release of Earnest Money	i). To be returned to the successful bidder with completion of job release with security deposit. ii). To be returned to the unsuccessful tenderes after signing of agreement with the successful Tenderer within ninety days of tender opening at the latest.
4.	Time of signing of formal Agreement with the successful Tenderer.	Within 14 (Fourteen) days of the date of issue of the Notice of Award.
5	Time of commencement of works	Within (fifteen) days of the Engineer's order to commence works.
6	Time of completion of Works.	06 Calendar months from the date of commencement of works.
7	Period of Maintenance	06 Calendar months from the date of issue of the Certificate of Completion.
8	Amount of maximum liquidated damages for non completion of the works within stipulated time.	0.05% of the Contract Price per day.
9	Maximum limit of liquidated damages Price.	10% (ten percent) of the Contract.
10	Minimum amount of payment request.	Rs.1000000/- (Rupees one million only).
11	Retention Money	5% (five percent) of gross amounts of work done as certified in monthly interim payment certificates.
12	Limit of Retention Money	6% (Six percent) of the contract price upto limit of 5%.
13	Release of Retention Money	On issue of Maintenance Certificate.
14	Mobilization Advance	i). 10% (Ten percent) of the contract price against an

irrevocable Bank Guarantee of a Schedule Bank of Pakistan or Insurance Company AA Rating.

ii). To be recovered at the rate of 10% (Ten percent) of gross amount of work done from Interim Payment Requests. Balance if any shall be adjusted in the final bill of Contractor.

15. Income Tax Deduction

Advance deduction as per Government Rules of Income Tax at source shall be made on all the interim/ running payments & final payment to Contractor.

Signature of the Tenderer: _____

Seal of the Tenderer: _____

Date: _____

Witness:

1. _____

2. _____

CONDITIONS OF CONTRACT

TABLE OF CONTENTS

CONDITIONS OF CONTRACT

<i>Clause No</i>	<i>Description</i>	<i>Page No</i>
1.	General Provisions.....	41
2.	The Procuring Agency.....	45
3.	Engineer's/Procuring Agency's Representatives.....	44
4.	The Contractor.....	44
5.	Design by Contractor.....	44
6.	Procuring Agency's Risks.....	45
7.	Time for Completion.....	46
8.	Taking Over.....	46
9.	Remedying Defects.....	47
10.	Variations and Claims.....	47
11.	Contract Price And Payment.....	49
12.	Default.....	50
13.	Risks and Responsibilities.....	51
14.	Insurance.....	52
15.	Resolution of Disputes.....	53
16.	Integrity Pact.....	54

CONDITIONS OF CONTRACT

1. GENERAL PROVISIONS

1.1 Definitions

In the Contract as defined below, the words and expressions defined shall have the following meanings assigned to them, except where the context requires otherwise:

The Contract

1.1.1 "Contract" means the Contract Agreement and the other documents listed in the Contract Data.

1.1.2 "Specifications" means the document as listed in the Contract Data, including Procuring Agency's requirements in respect of design to be carried out by the Contractor (if any), and any Variation to such document.

1.1.3 "Drawings" means the Procuring Agency's drawings of the Works as listed in the Contract Data, and any Variation to such drawings.

Persons

1.1.4 “Procuring Agency” means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Contractor) any assignee.

1.1.5 “Contractor” means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Procuring Agency) any assignee.

1.1.6 “Party” means either the Procuring Agency or the Contractor.

Dates, Times and Periods

1.1.7 “Commencement Date” means the date fourteen (14) days after the date the Contract comes into effect or any other date named in the Contract Data.

1.1.8 “Day” means a calendar day.

1.1.9 “Time for Completion” means the time for completing the Works as stated in the Contract Data (or as extended under Sub-Clause 7.3), calculated from the Commencement Date.

Money and Payments

1.1.10 “Cost” means all expenditure properly incurred (or to be incurred) by the Contractor, whether on or off the Site, including overheads and similar charges but does not include any allowance for profit.

Other Definitions

1.1.11 “Contractor’s Equipment” means all machinery, apparatus and other things required for the execution of the Works but does not include Materials or Plant intended to form part of the Works.

1.1.12 “Country” means the Islamic Republic of Pakistan.

1.1.13 “Procuring Agency’s Risks” means those matters listed in Sub-Clause 6.1.

1.1.14 “Force Majeure” means an event or circumstance which makes performance of a Party’s obligations illegal or impracticable and which is beyond that Party’s reasonable control.

1.1.15 “Materials” means things of all kinds (other than Plant) to be supplied and incorporated in the Works by the Contractor.

1.1.16 “Plant” means the machinery and apparatus intended to form or forming part of the Works.

- 1.1.17 “Site” means the places provided by the Procuring Agency where the Works are to be executed, and any other places specified in the Contract as forming part of the Site.
- 1.1.18 “Variation” means a change which is instructed by the Engineer/Procuring Agency under Sub-Clause 10.1.
- 1.1.19 “Works” means any or all the works whether Supply, Installation, Construction etc. and design (if any) to be performed by the Contractor including temporary works and any variation thereof.
- 1.1.20 “Engineer” means the person notified by the Procuring Agency to act as Engineer for the purpose of the Contract and named as such in Contract Data.

1.2 Interpretation

Words importing persons or parties shall include firms and organizations. Words importing singular or one gender shall include plural or the other gender where the context requires.

1.3 Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, the priority of the documents shall be in accordance with the order as listed in the Contract Data.

1.4 Law

The law of the Contract is the relevant Law of Islamic Republic of Pakistan.

1.5 Communications

All Communications related to the Contract shall be in English language.

1.6 Statutory Obligations

The Contractor shall comply with the Laws of Islamic Republic of Pakistan and shall give all notices and pay all fees and other charges in respect of the Works.

2. THE PROCURING AGENCY

2.1 Provision of Site

The Procuring Agency shall provide the Site and right of access thereto at the times stated 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.

2.2 Permits etc.

The Procuring Agency shall, if requested by the Contractor, assist him in applying for permits, licenses or approvals which are required for the Works.

2.3 Engineer's/Procuring Agency's Instructions

The Contractor shall comply with all instructions given by the Procuring Agency or the Engineer, if notified by the Procuring Agency, in respect of the Works including the suspension of all or part of the works.

2.4 Approvals

No approval or consent or absence of comment by the Engineer/Procuring Agency shall affect the Contractor's obligations.

3. ENGINEER'S/PROCURING AGENCY'S REPRESENTATIVES

3.1 Authorized Person

The Procuring Agency shall appoint a duly authorized person to act for him and on his behalf for the purposes of this Contract. Such authorized person shall be duly identified in the Contract Data or otherwise notified in writing to the Contractor as soon as he is so appointed. In either case the Procuring Agency shall notify the Contractor, in writing, the precise scope of the authority of such authorized person at the time of his appointment

3.2 Engineer's/Procuring Agency's Representative

The name and address of Engineer's/Procuring Agency's Representative is given in Contract Data. However the Contractor shall be notified by the Engineer/Procuring Agency, the delegated duties and authority before the Commencement of works.

4. THE CONTRACTOR

4.1 General Obligations

The Contractor shall carry out the works properly and in accordance with the Contract. The Contractor shall provide all supervision, labour, Materials, Plant and Contractor's Equipment which may be required

4.2 Contractor's Representative

The Contractor shall appoint a representative at site on full time basis to supervise the execution of work and to receive instructions on behalf of the Contractor but only after obtaining the consent of the Procuring Agency for such appointment which consent shall not be withheld without plausible

reason(s) by the Procuring Agency. Such authorized representative may be substituted/ replaced by the Contractor at any time during the Contract Period but only after obtaining the consent of the Procuring Agency as aforesaid.

4.3 Subcontracting

The Contractor shall not subcontract the whole of the works. The Contractor shall not subcontract any part of the works without the consent of the Procuring Agency.

4.4 Performance Security

The Contractor shall furnish to the Procuring Agency within fourteen (14) days after receipt of Letter of Acceptance a Performance Security at the option of the bidder, in the form of Payee's order /Bank Draft or Bank Guarantee from scheduled bank for the amount and validity specified in Contract Data.

5. DESIGN BY CONTRACTOR

5.1 Contractor's Design

The Contractor shall carry out design to the extent specified, as referred to in the Contract Data. The Contractor shall promptly submit to the Engineer/Procuring Agency all designs prepared by him, within fourteen (14) days of receipt the Engineer/Procuring Agency shall notify any comments or, if the design submitted is not in accordance with the Contract, shall reject it stating the reasons.

The Contractor shall not construct any element of the works designed by him within fourteen (14) days after the design has been submitted to the Engineer/Procuring Agency or which has been rejected. Design that has been rejected shall be promptly amended and resubmitted. The Contractor shall resubmit all designs commented on taking these comments into account as necessary.

5.2 Responsibility for Design

The Contractor shall remain responsible for his bided design and the design under this Clause, both of which shall be fit for the intended purposes defined in the Contract and he shall also remain responsible for any infringement of any patent or copyright in respect of the same. The Engineer/Procuring Agency shall be responsible for the Specifications and Drawings.

6. PROCURING AGENCY'S RISKS

6.1 The Procuring Agency's Risks

The Procuring Agency's Risks are:-

- a) War, hostilities (whether war be declared or not), invasion, act of foreign enemies, within the Country;

- b) Rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war, within the Country;
- c) riot, commotion or disorder by persons other than the Contractor's personnel and other employees including the personnel and employees of Sub-Contractors, affecting the Site and/or the Works;
- d) Ionizing radiations, or contamination by radio-activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radio-active toxic explosive, or other hazardous properties of any explosive nuclear assembly or nuclear component of such an assembly, except to the extent to which the Contractor/Sub-Contractors may be responsible for the use of any radio-active material;
- e) Pressure waves caused by aircraft or other aerial devices traveling at sonic or supersonic speeds;
- f) use or occupation by the Procuring Agency of any part of the Works, except as may be specified in the Contract;
- g) late handing over of sites, anomalies in drawings, late delivery of designs and drawings of any part of the Works by the Procuring Agency's personnel or by others for whom the Procuring Agency is responsible;
- h) a suspension under Sub-Clause 2.3 unless it is attributable to the Contractor's failure; and
- j) Physical obstructions or physical conditions other than climatic conditions, encountered on the Site during the performance of the Works, for which the Contractor immediately notified to the Procuring Agency and accepted by the Procuring Agency.

7. TIME FOR COMPLETION

7.1 Execution of the Works

The Contractor shall commence the Works on the Commencement Date and shall proceed expeditiously and without delay and shall complete the Works, subject to Sub-Clause 7.3 below, within the Time for Completion.

7.2 Program

Within the time stated in the Contract Data, the Contractor shall submit to the Engineer/Procuring Agency a program for the Works in the form stated in the Contract Data.

7.3 **Extension of Time**

The Contractor shall, within such time as may be reasonable under the circumstances, notify the Procuring Agency/Engineer of any event(s) falling within the scope of Sub-Clause 6.1 or 10.3 of these Conditions of Contract and request the Procuring Agency/Engineer for a reasonable extension in the time for the completion of works. Subject to the aforesaid, the Procuring Agency/Engineer shall determine such reasonable extension in the time for the completion of works as may be justified in the light of the details/particulars supplied by the Contractor in connection with the such determination by the Procuring Agency/Engineer within such period as may be prescribed by the Procuring Agency/Engineer for the same; and the Procuring Agency may extend the time for completion as determined.

7.4 **Late Completion**

If the Contractor fails to complete the Works within the Time for Completion, the Contractor's only liability to the Procuring Agency for such failure shall be to pay the amount as **liquidity damages** stated in the Contract Data for each day for which he fails to complete the Works.

8. **TAKING-OVER**

8.1 **Completion**

The Contractor may notify the Engineer/Procuring Agency when he considers that the Works are complete

8.2.1 **Taking-Over Notice**

Within fourteen (14) days of the receipt of the said notice of completion from the Contractor the Procuring Agency/Engineer shall either takeover the completed works and issue a Certificate of Completion to that effect or shall notify the Contractor his reasons for not taking-over the works. While issuing the Certificate of Completion as aforesaid, the Procuring Agency/Engineer may identify any outstanding items of work which the Contractor shall undertake during the Maintenances Period.

9. **REMEDYING DEFECTS**

9.1 **Remedying Defects**

The Contractor shall for a period stated in the Contract Data from the date of issue of the Certificate of Completion carry out, at no cost to the Procuring Agency, repair and rectification work which is necessitated by the earlier execution of poor quality of work or use of below specifications material in the execution of Works and which is so identified by the Procuring Agency/Engineer in writing within the said period. Upon expiry of the said period, and subject to the Contractor's faithfully performing his aforesaid

obligations, the Procuring Agency/Engineer shall issue a Maintenance Certificate whereupon all obligations of the Contractor under this Contract shall come to an end.

Failure to remedy any such defects or complete outstanding work within a reasonable time shall entitle the Procuring Agency to carry out all necessary works at the Contractor's cost. However, the cost of remedying defects not attributable to the Contractor shall be valued as a Variation.

9.2 Uncovering and Testing

The Engineer/Procuring Agency may give instruction as to the uncovering and/or testing of any work. Unless as a result of an uncovering and/or testing it is established that the Contractor's design, materials, plant or workmanship are not in accordance with the Contract, the Contractor shall be paid for such uncovering and/or testing as a Variation in accordance with Sub-Clause 10.2.

10. VARIATIONS AND CLAIMS

10.1 Right to Vary

The Procuring Agency/Engineer may issue Variation Order(s) in writing. Where for any reason it has not been possible for the Procuring Agency/Engineer to issue such Variations Order(s), the Contractor may confirm any verbal orders given by the Procuring Agency/Engineer in writing and if the same are not refuted/denied by the Procuring Agency/Engineer within ten (10) days of the receipt of such confirmation the same shall be deemed to be a Variation Orders for the purposes of this Sub-Clause.

10.2 Valuation of Variations

Variations shall be valued as follows:

- a) at a lump sum price agreed between the Parties, or
- b) where appropriate, at rates in the Contract, or
- c) in the absence of appropriate rates, the rates in the Contract shall be used as the basis for valuation, or failing which
- d) at appropriate new rates, as may be agreed or which the Engineer/Procuring Agency considers appropriate, or
- e) if the Engineer/Procuring Agency so instructs, at day work rates set out in the Contract Data for which the Contractor shall keep records of hours of labour and Contractor's Equipment, and of Materials, used.

10.3 Changes in the Quantities.

- a) 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 Procuring Agency/Engineer shall adjust the rate to allow for the change and will be valued as per sub clause 10.2.
- b) The Engineer 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 Procuring Agency.
- c) If requested by the Engineer, the contractor shall provide the Engineer with a detailed cost breakdown of any rate in the Bill of Quantities.

10.4 Early Warning

The Contractor shall notify the Engineer/Procuring Agency in writing as soon as he is aware of any circumstance which may delay or disrupt the Works, or which may give rise to a claim for additional payment.

To the extent of the Contractor's failure to notify, which results to the Engineer/Procuring Agency being unable to keep all relevant records or not taking steps to minimize any delay, disruption, or Cost, or the value of any Variation, the Contractor's entitlement to extension of the Time for Completion or additional payment shall be reduced/rejected.

10.5 Valuation of Claims

If the Contractor incurs Cost as a result of any of the Procuring Agency's Risks, the Contractor shall be entitled to the amount of such Cost. If as a result of any Procuring Agency's Risk, it is necessary to change the Works, this shall be dealt with as a Variation subject to Contractor's notification for intention of claim to the Engineer/Procuring Agency within fourteen (14) days of the occurrence of cause.

10.6 Variation and Claim Procedure

The Contractor shall submit to the Engineer/Procuring Agency an itemized detailed breakdown of the value of variations and claims within twenty eight (28) days of the instruction or of the event giving rise to the claim. The Engineer/Procuring Agency shall check and if possible agree the value. In the absence of agreement, the Procuring Agency shall determine the value.

11. CONTRACT PRICE AND PAYMENT

11.1 (a) Terms of Payments

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall , subject to Clause 11.3, be paid by the Procuring Agency to the Contractor within 30 days after such Interim Payment Certificate has been jointly verified by Procuring Agency and Contractor, or, in the case of the Final Certificate referred to in Sub Clause 11.5, within 60days after such Final Payment Certificate has been jointly verified by Procuring Agency and Contractor;

Provided that the Interim Payment shall be caused in thirty (30) days and Final Payment in 60 days in case of foreign funded project. In the event of the failure of the Procuring Agency to make payment within 90 days then Procuring Agency shall pay to the Contractor compensation at the 28 days rate of KIBOR+2% per annum in local currency and LIBOR+1% for foreign currency, upon all sums unpaid from the date by which the same should have been paid.

(b) **Valuation of the Works**

The Works shall be valued as provided for in the Contract Data, subject to Clause 10.

11.2 Monthly Statements

The Contractor shall be entitled to be paid at monthly intervals:

- a) The value of the Works executed less to the cumulative amount paid previously; and
- b) Value of secured advance on the materials and valuation of variations (if any).

The Contractor shall submit each month to the Engineer/Procuring Agency a statement showing the amounts to which he considers himself entitled.

11.3 Interim Payments

Within a period not exceeding seven (07) days from the date of submission of a statement for interim payment by the Contractor, the Engineer shall verify the same and within a period not exceeding thirty (30/60) days from the said date of submission by the Contractor, the Procuring Agency shall pay to the Contractor the sum subject to adjustment for deduction of the advance payments and retention money.

11.4 Retention

Retention money shall be paid by the Procuring Agency to the Contractor within fourteen (14) days after either the expiry of the period stated in the Contract Data, or the remedying of notified defects, or the completion of outstanding work, all as referred to in Sub-Clause 9.1, whichever is the later.

11.5 Final Payment

Within twenty one (21) days from the date of issuance of the Maintenance Certificate the Contractor shall submit a final account to the Engineer to verify and the Engineer shall verify the same within fourteen (14) days from the date of submission and forward the same to the Procuring Agency together with any documentation reasonably required to enable the Procuring Agency to ascertain the final contract value.

Within sixty (60) days from the date of receipt of the verified final account from the Engineer, the Procuring Agency shall pay to the Contractor any amount due to the Contractor. While making such payment the Procuring Agency may, for reasons to be given to the Contractor in writing, withhold any part or parts of the verified amount.

11.6 Currency

Payment shall be in the currency stated in the Contract Data.

12. DEFAULT

12.1 Defaults by Contractor

If the Contractor abandons the Works, refuses or fails to comply with a valid instruction of the Engineer/Procuring Agency or fails to proceed expeditiously and without delay, or is, despite a written complaint, in breach of the Contract, the Procuring Agency may give notice referring to this Sub-Clause and stating the default.

If the Contractor has not taken all practicable steps to remedy the default within fourteen (14) days after receipt of the Procuring Agency's notice, the Procuring Agency may by a second notice given within a further twenty one (21) days, terminate the Contract. The Contractor shall then demobilize from the Site leaving behind any Contractor's Equipment which the Procuring Agency instructs, in the second notice, to be used for the completion of the Works at the risk and cost of the Contractor

12.2 Defaults by Procuring Agency

If the Procuring Agency fails to pay in accordance with the Contract, or is, despite a written complaint, in breach of the Contract, the Contractor may give notice referring to this Sub-Clause and stating the default. If the default is not remedied within fourteen (14) days after the Procuring Agency's receipt of this notice, the Contractor may suspend the execution of all or parts of the Works.

If the default is not remedied within twenty eight (28) days after the Procuring Agency's receipt of the Contractor's notice, the Contractor may by a second notice given within a further twenty one (21) days, terminate the Contract. The Contractor shall then demobilize from the Site.

12.3 Insolvency

If a Party is declared insolvent under any applicable law, the other Party may by notice terminate the Contract immediately. The Contractor shall then demobilize from the site leaving behind, in the case of the Contractor's insolvency, any Contractor's Equipment which the Procuring Agency instructs in the notice is to be used for the completion of the Works.

12.4 Payment upon Termination

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the works executed and of the Materials and Plant reasonably delivered to the site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) any sums to which the Procuring Agency is entitled,
- c) if the Procuring Agency has terminated under Sub-Clause 12.1 or 12.3, the Procuring Agency shall be entitled to a sum equivalent to twenty percent (20%) of the value of parts of the Works not executed at the date of the termination, and
- d) if the Contractor has terminated under Sub-Clause 12.2 or 12.3, the Contractor shall be entitled to the cost of his demobilization together with a sum equivalent to ten percent (10%) of the value of parts of the works not executed at the date of termination.

The net balance due shall be paid or repaid within twenty eight (28) days of the notice of termination.

13. RISKS AND RESPONSIBILITIES

13.1 Contractor's Care of the Works

Subject to Sub-Clause 9.1, the Contractor shall take full responsibility for the care of the

Works from the Commencement Date until the date of the Procuring Agency's/Engineer's issuance of Certificate of Completion under Sub-Clause 8.2. Responsibility shall then pass to the Procuring Agency. If any loss or damage happens to the Works during the above period, the Contractor shall rectify such loss or damage so that the Works conform with the Contract.

Unless the loss or damage happens as a result of any of the Procuring Agency's Risks, the Contractor shall indemnify the Procuring Agency, or his agents against all claims loss, damage and expense arising out of the Works.

13.2 Force Majeure

If Force Majeure occurs, the Contractor shall notify the Engineer/Procuring Agency immediately. If necessary, the Contractor may suspend the execution of the Works and, to the extent agreed with the Procuring Agency demobilize the Contractor's Equipment.

If the event continues for a period of eighty four (84) days, either Party may then give notice of termination which shall take effect twenty eight (28) days after the giving of the notice.

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and Plant reasonably delivered to the Site, adjusted by the following:

- a) Any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) The cost of his demobilization, and
- c) Less any sums to which the Procuring Agency is entitled.

The net balance due shall be paid or repaid within thirty five (35) days of the notice of termination.

14. INSURANCE

14.1 Arrangements

The Contractor shall, prior to commencing the Works, effect insurances of the types, in the amounts and naming as insured the persons stipulated in the Contract Data except for items (a) to (e) and (i) of the Procuring Agency's Risks under Sub-Clause 6.1. The policies shall be issued by insurers and in terms approved by the Procuring Agency. The Contractor shall provide the Engineer/Procuring Agency with evidence that any required policy is in force and that the premiums have been paid.

14.2 Default

If the Contractor fails to effect or keep in force any of the insurances referred to in the previous Sub-Clause, or fails to provide satisfactory evidence, policies or receipts, the Procuring Agency may, without prejudice to any other right or remedy, effect insurance for the cover relevant to such as a default and pay the premiums due and recover the same plus a sum in percentage given in Contractor Data from any other amounts due to the Contractor.

15. RESOLUTION OF DISPUTES

15.1 Engineer's Decision

If a dispute of any kind whatsoever arises between the Procuring Agency and the Contractor in connection with the works, the matter in dispute shall, in the first place, be referred in writing to the Engineer, with a copy to the other party. Such reference shall state that it is made pursuant to this Clause. No later than the twenty eight (28) days after the day on which he received such reference, the Engineer shall give notice of his decision to the Procuring Agency (Superintending Engineer) and the Contractor.

Unless the Contract has already been repudiated or terminated, the Contractor shall, in every case, continue to proceed with the work with all due diligence, and the Contractor and the Procuring Agency (Superintending Engineer) shall give effect forthwith to every such decision of the Engineer unless and until the same shall be revised, as hereinafter provided in an arbitral award.

15.2 Notice of Dissatisfaction

If a Party is dissatisfied with the decision of the Engineer of consultant or if no decision is given within the time set out in Sub-Clause 15.1 here above, the Party may give notice of dissatisfaction referring to this Sub-Clause within fourteen (14) days of receipt of the decision or the expiry of the time for the decision. If no notice of dissatisfaction is given within the specified time, the decision shall be final and binding on the Parties. If notice of dissatisfaction is given within the specified time, the decision shall be binding on the Parties who shall give effect to it without delay unless and until the decision of the Engineer is revised by an arbitrator.

If a contractor is dissatisfied with the decision of the Engineer of the department or decision is not given in time then he can approach Superintending Engineer within 14 days, in case of dissatisfaction with decision of Superintending Engineer or not decided within 28 days, then arbitration process would be adopted as per clause 15.3.

15.3 Arbitration

A dispute which has been the subject of a notice of dissatisfaction shall be finally settled as per provisions of Arbitration Act 1940 (Act No. X of 1940) and Rules made there under and any statutory modifications thereto. Any hearing shall be held at the place specified in the Contract Data and in the language referred to in Sub-Clause 1.5.

16 INTEGRITY PACT

16.1 If the Contractor or any of his Sub-Contractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Schedule-F to his Bid, then the Procuring Agency shall be entitled to:

- (a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Sub-Contractors, agents or servants;
- (b) Terminate the Contract; and
- (c) Recover from the Contractor any loss or damage to the Procuring Agency as a result of such termination or of any other corrupt business practices of the Contractor or any of his Sub-Contractors, agents or servants.

On termination of the Contract under Sub-Para (b) of this Sub-Clause, the Contractor shall demobilize from the site leaving behind Contractor's Equipment which the Procuring Agency instructs, in the termination notice, to be used for the completion of the works at the risk and cost of the Contractor. Payment upon such termination shall be made under Sub-Clause 12.4, in accordance with Sub-Para (c) thereof, after having deducted the amounts due to the Procuring Agency under Sub-Para (a) and (c) of this Sub-Clause.

CONTRACT DATA

(Note: Except where otherwise indicated, all Contract Data should be filled in by the Procuring Agency prior to issuance of the Bidding Documents.)

Sub-Clauses of Conditions of Contract

- 1.1.3 Procuring Agency's Drawings, if any
(To be listed by the Procuring Agency)
- 1.1.4 **The Procuring Agency** means
Executing Agency
- 1.1.5 **The Contractor** means
Bidder
- 1.1.7 **Commencement Date** means the date of issue of Engineer's Notice to Commence which shall be issued within fourteen (14) days of the signing of the Contract Agreement.
- 1.1.9 **Time for Completion** 180 days
(The time for completion of the whole of the Works should be assessed by the Procuring Agency)
- 1.1.20 **Engineer (mention the name along with the designation including whether he belongs to department or consultant) and other details**
Executive Engineer Sports & Youth Affairs Department Govt. of Sindh
Karachi
- 1.3 **Documents forming the Contract listed in the order of priority:**
- (a) The Contract Agreement
 - (b) Letter of Acceptance
 - (c) The completed Form of Bid
 - (d) Contract Data
 - (e) Conditions of Contract
 - (f) The completed Schedules to Bid including Schedule of Prices
 - (g) The Drawings, if any
 - (h) The Specifications
 - (i) _____
 - (j) _____

(The Procuring Agency may add, in order of priority, such other documents as form part of the Contract. Delete the document, if not applicable)

- 2.1 **Provision of Site:** On the Commencement Date
- 3.1 **Authorized person:**_____
- 3.2 **Name and address of Engineer's/Procuring Agency's representative**

- 4.4 **Performance Security:**
Amount Rs 910350.00/- 2%
Validity 90 Days
(Form: As provided under Standard Forms of these Documents)
- 5.1 **Requirements for Contractor's design (if any):**
Specification Clause No's _____
- 7.2 **Program:**
Time for submission: Within fourteen (14) days* of the Commencement Date.
Form of program: _____ (Bar Chart/CPM/PERT or other)
- 7.4 Amount payable due to failure to complete shall be ___% per day up to a maximum of
(10%) of sum stated in the Letter of Acceptance
(Usually the liquidated damages are set between 0.05 percent and 0.10 percent per day.)
- 7.5 **Early Completion**

In case of earlier completion of the Work, the Contractor is entitled to be paid bonus up-to limit and at a rate equivalent to 50% of the relevant limit and rate of liquidated damages stated in the contract data.
- 9.1 **Period for remedying defects**

- 10.2 (e) **Variation procedures:**

Day work rates _____
_____(details)
- 11.1 **Terms of Payments**

a) Mobilization Advance

(1) Mobilization Advance up to 10 % of the Contract Price stated in the Letter of Acceptance shall be paid by the Procuring Agency to the Contractor on the works costing Rs.2.5 million or above on following condition

- (i) on submission by the Contractor of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan to the Procuring Agency;
- (ii) Contractor will pay interest on the mobilization advance at the rate of 10% per annum on the advance; and
- (iii) This Advance including the interest shall be recovered in 5 equal installments from the five (05) R.A bills and in case the number of bills is less than five (05) then 1/5th of the advance **inclusive of the interest** thereon shall be recovered from each bill and the balance together with interest be recovered from the final bill. It may be insured that there is sufficient amount in the final bill to enable recovery of the Mobilization Advance.

OR

2) **Secured Advance on Materials**

- (a) The Contractor shall be entitled to receive from the Procuring Agency Secured Advance against an INDENTURE BOND in P W Account Form No. 31(Fin. R. Form No. 2 acceptable to the Procuring Agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the Site but not yet incorporated in the Permanent Works provided that:
 - (i) The materials are in accordance with the Specifications for the Permanent Works;
 - (ii) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction and verification of the Engineer but at the risk and cost of the Contractor;
 - (iii) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;
 - (iv) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefore;
 - (v) Ownership of such materials shall be deemed to vest in the Procuring Agency and these materials shall not be removed

from the Site or otherwise disposed of without written permission of the Procuring Agency;

- (vi) The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of stands other materials;
 - (vii) Secured Advance should not be allowed unless & until the previous advance, if any, fully recovered;
 - (viii) Detailed account of advances must be kept in part II of running account bill; and
 - (ix) Secured Advance may be permitted only against materials/quantities anticipated to be consumed / utilized on the work within a period of 3 months from the date of issue of secured advance and definitely not for full quantities of materials for the entire work/contract
- (b) Recovery of Secured Advance:
- (i) Secured Advance paid to the Contractor under the above provisions shall be effected from the monthly payments on actual consumption basis, but not later than period specified in the rules not more than three months (even if unutilized); other conditions.
 - (ii) As recoveries are made the outstanding accounts of the items concerned in Part II should be reduced by making deduction entries in the column; —deduct quantity utilized in work measured since previous bill, equivalent to the quantities of materials used by the contractor on items of work shown as executed in part I of the bill.
- (c) Interim payments: The Contractor shall submit to the Engineer monthly statements of the estimated value of the work completed less the cumulative amount certified previously.
- (i) The value of work completed comprises the value of the quantities of the items in the Bill of Quantities completed.
 - (ii) value of secured advance on the materials and valuation of variations (if any).
 - (iii) Engineer 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 later information.
 - (iv) Retention money and other advances are to be recovered from the bill submitted by contractor.

- 11.2 *(a) **Valuation of the Works:**
i) Lump sum price_____ (details), or
ii) Lump sum price with schedules of rates _____ (details), or
iii) Lump sum price with bill of quantities_____ (details), or
iv) Re-measurement with estimated/bid quantities in the Schedule of Prices or on premium above or below quoted on the rates mentioned in CSR _____ (details), or/and
v) Cost reimbursable_____ (details)

11.3 **Percentage of retention*:** *five (5%)*

11.6 **Currency of payment:** Pak. Rupees

14.1 **Insurances:** *(Procuring Agency may decide, keeping in view the nature and the scope of the work)*

Type of cover

The Works

Amount of cover

The sum stated in the Letter of Acceptance plus fifteen percent (15%)

Type of cover

Contractor's _____s Equipment:

Amount of cover

Full replacement cost

Type of cover

Third Party-injury to persons and damage to property

(The minimum amount of third party insurance should be assessed by the Procuring Agency and entered).

Workers:

Other cover*:

(In each case name of insured is Contractor and Procuring Agency)

14.2 **Amount to be recovered**

Premium plus _____ percent (____%).

14.3 **Arbitration****

Place of Arbitration:_____

* *(Procuring Agency to specify as appropriate)*

** *(It has to be in the Province of Sindh)*

STANDARD FORMS

(Note: Standard Forms provided in this document for securities are to be issued by a bank. In case the bidder chooses to issue a bond for accompanying his bid or performance of contract or receipt of advance, the relevant format shall be tailored accordingly without changing the spirit of the Forms of securities).

FORM OF BID SECURITY
(Bank Guarantee)

Guarantee No. _____

Executed on _____

(Letter by the Guarantor to the Procuring Agency)

Name of Guarantor (Scheduled Bank in Pakistan) with
address: _____

Name of Principal (Bidder) with
address: _____

Sum of Security (express in words and
figures): _____

Bid Reference No. _____ Date of Bid _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal, we the Guarantor above-named are held and firmly bound unto the _____, (hereinafter called The —Procuring Agency) in the sum stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid numbered and dated as above for _____ (Particulars of Bid) to the said Procuring Agency; and

WHEREAS, the Procuring Agency has required as a condition for considering the said Bid that the Principal furnishes a Bid Security in the above said sum to the Procuring Agency, conditioned as under:

- (1) that the Bid Security shall remain valid for a period of twenty eight (28) days beyond the period of validity of the bid;
- (2) that in the event of;
 - (a) the Principal withdraws his Bid during the period of validity of Bid, or
 - (b) the Principal does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) of Instructions to Bidders, or
 - (c) failure of the successful bidder to
 - (i) furnish the required Performance Security, in accordance with Sub-Clause IB-21.1 of Instructions to Bidders, or
 - (ii) Sign the proposed Contract Agreement, in accordance with Sub-Clauses IB-20.2 & 20.3 of Instructions to Bidders,

the entire sum be paid immediately to the said Procuring Agency for delayed completion and not as penalty for the successful bidder's failure to perform.

NOW THEREFORE, if the successful bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract Agreement with the said Procuring Agency in accordance with his Bid as accepted and furnish within fourteen (14) days of receipt of Letter of Acceptance, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Procuring Agency for the faithful performance and proper fulfilment of the said Contract or in the event of nonwithdrawal of the said Bid within the time specified then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Guarantor shall forthwith pay to the Procuring Agency the said sum stated above upon first written demand of the Procuring Agency without cavil or argument and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Procuring Agency by registered post duly addressed to the Guarantor at its address given above.

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Guarantor shall pay without objection the sum stated above upon first written demand from the Procuring Agency forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above bounded Guarantor has executed the instrument under its seal on the date indicated above, the name and seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

Guarantor (Bank)

Witness:

1. _____

Corporate Secretary (Seal)

2. _____

1. Signature _____

2. Name _____

3. Title _____

(Name, Title & Address)

Corporate Guarantor (Seal)

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____

Executed on _____

Expiry Date _____

(Letter by the Guarantor to the Procuring Agency)

Name of Guarantor (Scheduled Bank in Pakistan) with
address: _____

Name of Principal (Contractor) with
address: _____

Penal Sum of Security (express in words and
figures) _____

Letter of Acceptance No. _____

Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the Procuring Agency) in the penal sum of the amount stated above, for the payment of which sum well and truly to be made to the said Procuring Agency, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the Procuring Agency's above said Letter of Acceptance for _____ (Name of Contract) for the _____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Procuring Agency, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of the said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 9, Remedying Defects, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall Sindh Public

Project Director Sports Complex Sukkur

be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Procuring Agency without delay upon the Procuring Agency's first written demand without cavil or arguments and without requiring the Procuring Agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Procuring Agency's written declaration that the Principal has refused or failed to perform the obligations under the Contract, for which payment will be effected by the Guarantor to Procuring Agency's designated Bank & Account Number.

PROVIDED ALSO THAT the Procuring Agency shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Procuring Agency forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above bounded Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Signature of the Contactor
Agency

Signature of the Procuring

(Seal)

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

Witness:

(Name, Title and Address)

(Name, Title and Address)

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the —Agreement‡) made on the _____ day of _____ 200 _____ between _____ (hereinafter called the —Procuring Agency‡) of the one part and _____ (hereinafter called the —Contractor‡) of the other part.

WHEREAS the Procuring Agency is desirous that certain Works, viz _____ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnesseth as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
 2. The following documents after incorporating addenda, if any except those parts relating to Instructions to Bidders, shall be deemed to form and be read and construed as part of this Agreement, viz:
 - (a) The Letter of Acceptance;
 - (b) The completed Form of Bid along with Schedules to Bid;
 - (c) Conditions of Contract & Contract Data;
 - (d) The priced Schedule of Prices/Bill of quantities (BoQ);
 - (e) The Specifications; and
 - (f) The Drawings
 3. In consideration of the payments to be made by the Procuring Agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Procuring Agency to execute and complete the Works and remedy defects therein in conformity and in all respects within the provisions of the Contract.
 4. The Procuring Agency hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
- IN WITNESS WHEREOF the parties hereto have caused this Contract Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor
Agency

Signature of the Procuring

(Seal)

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

Witness:

(Name, Title and Address)

(Name, Title and Address)

Project Director Sports Complex Sukkur

MOBILIZATION ADVANCE GUARANTEE

Guarantee No. _____
Executed on _____

(Letter by the Guarantor to the Procuring Agency)

WHEREAS the _____
(hereinafter called the Procuring Agency) has entered into a Contract for _____

(Particulars of
Contract), _____ with

(hereinafter called the Contractor).

AND WHEREAS the Procuring Agency has agreed to advance to the Contractor, at the Contractor's request, an amount of Rs. _____ Rupees _____) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS the Procuring Agency has asked the Contractor to furnish Guarantee to secure the advance payment for the performance of his obligations under the said Contract.

AND WHEREAS _____ (Scheduled Bank) (hereinafter called the Guarantor) at the request of the Contractor and in consideration of the Procuring Agency agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW THEREFORE the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails, and commits default in fulfillment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the Procuring Agency for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the Procuring Agency shall be the sole and final judge, as aforesaid, on the part of the Contractor, shall be given by the Procuring Agency to the Guarantor, and on such first written demand payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

This Guarantee shall come into force as soon as the advance payment has been credited to the account of the Contractor.

This Guarantee shall expire not later than _____ by which date we must have received any claims by registered letter, telegram, telex or telefax.

It is understood that you will return this Guarantee to us on expiry or after settlement of the total amount to be claimed hereunder.

(Guarantor
(Scheduled Bank)

Witness:

1. _____

Corporate Secretary (Seal)

2. _____

(Name, Title & Address)

1. Signature _____

2. Name _____

3. Title _____

Corporate Guarantor (Seal)

INDENTURE FOR SECURED ADVANCES.

(For use in cases in which is contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time).

This INDENTURE made the day of -197--" BETWEEN (hereinafter called "the Contractor" which expression shall where the context so admits or implied be deemed to include his heirs, executors, administrators and assigns) of the one part and THE GOVERNOR OF SINDH (hereinafter called "the Government" of the other part).

WHEREAS by an agreement, dated (hereinafter called the said agreement, the contractor has agreed to perform the under-mentioned works (hereinafter referred to as the said work):-

(Here enter (the description of the works).¹

AND WHEREAS the contractor has applied to the —
..... ----- for an advance to him of Rupees -----
- . (Rs.) on the security of materials absolutely belonging to him and brought by him to the site of the said works the subject of the said agreement for use in the construction of such of the said works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charge) AND

WHEREAS the Government has agreed to advance to the Contractor the sum of Rupees, (Rs.) on the security of materials the quantities and other

Project Director Sports Complex Sukkur

particulars of which are detailed in Part II of Running Account Bill (E). the said works signed by the contractor

Fin R.Form.17.A

on ----- — and on such covenants and conditions as are hereinafter contained and the Government has reserved to itself the option of marking any further advance or advances on the security of other materials brought by the Contractor to the site of the said works.

NOW THIS INDENTURE WTTNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees ----- - — (Rs. - ----- -----) on or before the execution of these presents paid to the Contractor by the Government (the receipt whereof the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid (all of which advances are hereinafter collectively referred to as the said amount) the Contractor doth hereby assign unto the Government the said materials by way of security for the said amount

And doth hereby covenant and agree with the Government and declare ay follow :-

(1) That the said sum of Rupees - ----- ----- (RF. -----) so advanced by the Government to the Contractor as aforesaid and all or any further sum or sums which may be advanced aforesaid shall be employed by the contractor in or towards expending the execution of the said works and for no other purpose whatsoever.

(2) That the materials detailed in the said Running Account Bill (B) which have been

Fin R Form No. 17-A

Offered to and accepted by (he Government as security for the said amount are absolutely by the Contractors own property free from encumbrances of any kind and the Contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the contractor hereby agrees, at all times, to indemnify and save harmless the Government against all claims whatsoever to any materials in respect of which an advance has been made to him as aforesaid.

(3) That the said materials detailed in the said Running Account Bill (B) and all other

Fin. R. Form No. 17-A

Materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the Contractor solely in *the* execution of the said works in accordance with the directions of the Divisional Officer ----- (hereinafter called the Divisional Officer) and in the terms of the said agreement.

(4) That the Contractor shall make at his own cost all necessary and adequate arrangement for the proper watch, safe custody and protection against all risks of the said material and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and at his own risk and on his own responsibility and shall at all times be open to inspection by (he Divisional

Project Director Sports Complex Sukkur

Officer or any officer authorized by him. In the event of the said materials of any part (hereof being stolen, destroyed or damaged or becoming deteriorated in a grater degree than is due to reasonable use and wear thereof Contractor will forthwith replace the same with other materials of like qualify or repair and make good the same as required by the Divisional Officer and the materials so brought to replace the said materials so repaired and made good shall also be considered as security for the said amount.

(5) 'Hurt the said materials shall not on any account be removed from the site of the said works except with the written permission of the Divisional Officer or an officer authorized by him in that behalf .

(6) That the said amount shall be payable in full when or before the Contractor receives payment, from the Government of the price payable to him for the said works under the terms and provisions of the said agreement PROVIDED THAT if any intermediate payments are made to the contractor on account of work done then on the occasion of each such payment the Government will be at liberty to make a recovery from the Contractors Bill for such payment by deducting there from in the value of the said materials (hen actually used in the construction and in respect of which recovery has not been made previously the value for this purpose being determined in respect of each description of material at (he rates at which the amount of the advances made under these presents were calculated.

(7) That if the Contractor shall at any time make any default in the performance or observation in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing to the Government shall immediately on the happening of such default be repayable by the Contractor to the Government together with interest thereon at twelve percent per annum from the date or respective dates of such advance or advances to the date or repayment and with all costs, charges, damages and expenses incurred by the Government in or for the recovery thereof or the enforcement of this security or otherwise by reason of (he default of the Contractor and any moneys so becoming due and payable shall constitute a debt due from the Contractor to the Government and the Contractor hereby covenants and agrees with the Government to repay and the same respectively to it accordingly.

(8) That the Contractor hereby charges all the said materials with the repayment to the Government of the said sum of Rupees - (Rs.) and any further sum or sums which may be advanced as aforesaid and al l costs charges damages and expenses payable under these present PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the powers contained therein if and whether the covenant for payment and repayment hereinbefore contained shall become enforceable and the money owing shall not be paid to accordingly

Once therewith the Government may at any time thereafter adopt all or any of following courses as it may deem best :-

- (a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance

with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay the same to the Government on demand.

- (b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable to the Government under these presents and pay over the surplus (if any) to the Contractor.
- (c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.

(9) That except as is expressly provided by the presents interest on the aid advance shall not be payable.

(10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been hereinbefore expressly provided for the same shall be referred to the Superintending Engineer Circle whose.....decision shall be final and the provisions of the Indian Arbitration Act for the time being in force so far as they are applicable shall apply to any such reference.

In witnesses whereof the* on behalf of the Governor of Sindh and the said — - --have hereunto set their respective hands and seals the day and first above written.

Signed, sealed and delivered by* In the presence of
Seal

1st witness

2nd witness

Signed, sealed and delivered by* In the presence of

Seal

1st Witness

2nd witness

SPECIFICATIONS

[Note for Preparing the Specifications]

A set of precise and clear specifications is a prerequisite for bidders to respond realistically and competitively to the requirements of the user without qualifying their Bids. The specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, performance of the works. Only if this is done objectives of economy, efficiency, and fairness in procurement will be realized and responsiveness of Bids can be ensured, and the subsequent task of bid evaluation can be facilitated. The specifications should require that materials to be incorporated in the works be new, unused, and of the most recent or current models, and incorporated all recent improvements in design and materials unless provided for otherwise in the contract.

Samples of specifications from similar to previous procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the works and the repetitiveness of the type of procurement, it may be advantageous to standardize the Technical Specifications that should cover all classes of workmanship, materials and equipment although not necessarily to be used in a particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized international standards should be used as much as possible. The specifications shall consider all conditions but not limited to seismic conditions, weather conditions and environmental impact. The specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Specifications.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Specifications to specific standards and codes to be met by Works to be furnished and tested, the provisions of the latest current edition or revision of the relevant shall apply, unless otherwise expressly stated in the Contract. Other authoritative standards that ensure equivalence to the standards and codes specified will be acceptable.]

PART II - PARTICULAR CONDITIONS OF CONTRACT

1.1 Definitions

- (a) (i) The Employer is **Executive Engineer, Sports & Youth Affairs Department , Government of Sindh Karachi**

Project Director Sports Complex Sukkur

5th floor, State Life Building No.3, Dr. Ziauddin Ahmed Road Karachi,

- (a) (iv) The Engineer is "**Architects Inc, 26a, Street No 4, KB Colony New Airport Lahore Cantt,**", or any other competent person appointed by the Employer, and notified to the Contractor, to act in replacement of the Engineer. Provided always that except in cases of professional misconduct, the outgoing Engineer is to formulate his certifications/recommendations in relation to all outstanding matters, disputes and claims relating to the execution of the Works during his tenure.

The following paragraph is added:

- (a) (vi) "Bidder or Tenderer" means any person or persons, company, corporation, firm or joint venture submitting a Bid or Tender.
- (b) (v) The following is added at the end of the paragraph:

The word "Tender" is synonymous with "Bid" and the word "Tender Documents" with "Bidding Documents".

The following paragraph is added:

- (b) (ix) "Programme" means the programme to be submitted by the Contractor in accordance with Sub-Clause 14.1 and any approved revisions thereto.
- (e) (i) The text is deleted and substituted with the following:

"Contract Price" means the sum stated in the Letter of Acceptance as payable to the Contractor for the execution and completion of the Works subject to such additions thereto or deductions therefrom as may be made and remedying of any defects therein in accordance with the provisions of the Contract.

2.1 Engineer's Duties and Authority

With reference to Sub-Clause 2.1(b), the following provisions shall also apply;

The Engineer shall obtain the specific approval of the Employer before carrying out his duties in accordance with the following Clauses:

- (i) Consenting to the sub-letting of any part of the Works under Sub-Clause 4.1 "Subcontracting".
- (ii) Certifying additional cost determined under Sub-Clause 12.2 "Not Foreseeable Physical Obstructions or Conditions".
- (iii) Any action under Clause 10 "Performance Security" and Clauses 21, 23, 24 & 25 "Insurance" of sorts.
- (iv) Any action under Clause 40 "Suspension".
- (v) Any action under Clause 44 "Extension of Time for Completion".
- (vi) Any action under Clause 47 "Liquidated Damages for Delay" or Payment of Bonus for Early Completion of Works (PCC Sub-Clause 47.3).
- (vii) Issuance of "Taking Over Certificate" under Clause 48.

(viii) Issuing a Variation Order under Clause 51, except:

a) in an emergency (If in the opinion of the Engineer an emergency occurs affecting the safety of life or of the Works or of adjoining property, the Engineer may, without relieving the Contractor of any of his duties and responsibilities under the Contract, instruct the Contractor to execute all such work or to do all such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply with any such instruction of the Engineer. The Engineer shall determine an addition to the Contract Price, in respect of such instruction, in accordance with Clause 52 and shall notify the Contractor accordingly, with a copy to the Employer.) situation, as stated herebelow,

or

b) if such variation would increase the Contract Price by less than the amount stated in the Appendix-A to Bid.

- (ix) Fixing rates or prices under Clause 52.
- (x) Extra payment as a result of Contractor's claims under Clause 53.
- (xi) Release of Retention Money to the Contractor under Sub-Clause 60.3 "Payment of Retention Money".
- (xii) Issuance of "Final Payment Certificate" under Sub-Clause 60.8.
- (xiii) Issuance of "Defect Liability Certificate" under Sub-Clause 62.1.
- (xiv) Any change in the ratios of Contract currency proportions and payments thereof under Clause 72 "Currency and Rate of Exchange".

(Note: Employer may further vary according to need of the project time to time)

The following Sub-Clauses 2.7 and 2.8 are added:

2.7 Engineer Not Liable

Approval, reviews and inspection by the Engineer of any part of the Works does not relieve the Contractor from his sole responsibility and liability for the supply of materials, plant and equipment for construction of the Works and their parts in accordance with the Contract and neither the Engineer's authority to act nor any decision made by him in good faith as provided for under the Contract whether to exercise or not to exercise such authority shall give rise to any duty or responsibility of the Engineer to the Contractor, any Subcontractor, any of their representatives or employees or any other person performing any portion of the Works.

2.8 Replacement of the Engineer

"If the Employer intends to replace the Engineer, the Employer shall, not less

than 14 days before the intended date of replacement, give notice to the Contractor, of the name, address and relevant experience of the intended replacement Engineer. The Employer shall not replace the Engineer with a person against whom the Contractor raises reasonable objection by notice to the Employer, with supporting particulars.”

5.1 Language(s) and Law

- (a) The Contract Documents, shall be drawn up in the English language.
- (b) The Contract shall be subject to the Laws of Islamic Republic of Pakistan.

5.2 Priority of Contract Documents

The documents listed at (1) to (6) of the Sub-Clause are deleted and substituted with the following:

- (1) The Contract Agreement (if completed);
- (2) The Letter of Acceptance;
- (3) The completed Form of Bid;
- (4) Special Stipulations (Appendix-A to Bid);
- (5) The Particular Conditions of Contract – Part II;
- (6) The General Conditions – Part I;
- (7) The priced Bill of Quantities (Appendix-D to Bid);
- (8) The completed Appendices to Bid (B, C, E to L);
- (9) The Drawings;
- (10) The Specifications; and
- (11)_____ (any other).

In case of discrepancies between drawings, those of larger scale shall govern unless they are superseded by a drawing of later date regardless of scale. All Drawings and Specifications shall be interpreted in conformity with the Contract and these Conditions. Addendum, if any, shall be deemed to have been incorporated at the appropriate places in the documents forming the Contract.

The following Sub-Clauses 6.6 and 6.7 are added:

6.6 Shop Drawings

The Contractor shall submit to the Engineer for review 3 copies of all shop and erection drawings applicable to this Contract as per provision of relevant Sub-Clause of the Contract.

Review and approval by the Engineer shall not be construed as a complete check but will indicate only that the general method of construction and detailing is satisfactory and that the Engineer’s review or approval shall not relieve the Contractor of any of his responsibilities under the Contract.

6.7 As-Built Drawings

At the completion of the Works under the Contract, the Contractor shall furnish to the Engineer 6 copies and one reproducible of all drawings amended to conform with the Works as built. The price of such Drawings shall be deemed to be included in the Contract Price.

10.1 Performance Security

The text is deleted and substituted with the following:

The Contractor shall provide Performance Security to the Employer in the prescribed form. The said Security shall be furnished or caused to be furnished by the Contractor within 28 days after the receipt of the Letter of Acceptance. The Performance Security shall be of an amount equal to 10% of the Contract Price stated in the Letter of Acceptance. Such Security shall, at the option of the bidder, be in the form of either (a) bank guarantee from any Scheduled Bank in Pakistan or (b) bank guarantee from a bank located outside Pakistan duly counter-guaranteed by a Scheduled Bank in Pakistan or an insurance company having at least AA rating from PACRA/JCR.

The cost of complying with requirements of this Sub-Clause shall be borne by the Contractor.

The following Sub-Clause 10.4 is added:

10.4 Performance Security Binding on Variations and Changes

The Performance Security shall be binding irrespective of changes in the quantities or variations in the Works or extensions in Time for Completion of the Works which are granted or agreed upon under the provisions of the Contract.

14.1 Programme to be Submitted

The programme shall be submitted within 30 days from the date of receipt of Letter of Acceptance, which shall be in the form of:

- a) a CPM identifying the critical path/activities.

14.3 Cash Flow Estimate to be Submitted

The detailed Cash Flow Estimate shall be submitted within 15 days from the date of receipt of Letter of Acceptance

The following Sub-Clause 14.5 is added:

14.5 Detailed Programme and Monthly Progress Report

- a) For purposes of Sub-Clause 14.1, the Contractor shall submit to the Engineer detailed programme for the following:

- (1) Execution of Works;
 - (2) Labour Employment;
 - (3) Local Material Procurement;
 - (4) Material Imports, if any; and
 - (5) Other details as required by the Engineer.
- (b) During the period of the Contract, the Contractor shall submit to the Engineer not later than the 8th day of the following month, 10 copies each of Monthly Progress Reports covering:
- (1) A Construction Schedule indicating the monthly progress in percentage;
 - (2) Description of all work carried out since the last report;
 - (3) Description of the work planned for the next 56 days sufficiently detailed to enable the Engineer to determine his programme of inspection and testing;
 - (4) Monthly summary of daily job record;
 - (5) Photographs to illustrate progress; and
 - (6) Information about problems and difficulties encountered, if any, and proposals to overcome the same.
- (c) During the period of the Contract, the Contractor shall keep a daily record of the work progress, which shall be made available to the Engineer as and when requested. The daily record shall include particulars of weather conditions, number of men working, deliveries of materials, quantity, location and assignment of Contractor's equipment.

The following Sub-Clauses 15.2 and 15.3 are added:

15.2 Language Ability of Contractor's Representative

The Contractor's authorised representative shall be fluent in the English language. Alternately an interpreter with ability of English language shall be provided by the Contractor on full time basis.

15.3 Contractor's Representative

The Contractor's authorised representative and his other professional engineers working at Site shall register themselves with the Pakistan Engineering Council.

The Contractor's authorised representative at Site shall be authorised to exercise adequate administrative and financial powers on behalf of the Contractor so as to achieve completion of the Works as per the Contract.

The following Sub-Clauses 16.3 and 16.4 are added:

16.3 Language Ability of Superintending Staff of Contractor

A reasonable proportion of the Contractor's superintending staff shall have a

working knowledge of the English language. If the Contractor's superintending staffs are not fluent in English language, the Contractor shall make competent interpreters available during all working hours in a number deemed sufficient by the Engineer.

16.4 Employment of Local Personnel

The Contractor is encouraged, to the extent practicable and reasonable, to employ staff and labour from sources within Pakistan.

The following Sub-Clauses 19.3 and 19.4 are added:

19.3 Safety Precautions

In order to provide for the safety, health and welfare of persons, and for prevention of damage of any kind, all operations for the purposes of or in connection with the Contract shall be carried out in compliance with the Safety Requirements of the Government of Pakistan with such modifications thereto as the Engineer may authorise or direct and the Contractor shall take or cause to be taken such further measures and comply with such further requirements as the Engineer may determine to be reasonably necessary for such purpose.

The Contractor shall make, maintain and submit reports to the Engineer concerning safety, health and welfare of persons and damage to property, as the Engineer may from time to time prescribe.

19.4 Lighting Work at Night

In the event of work being carried out at night, the Contractor shall at his own cost, provide and maintain such good and sufficient light as will enable the work to proceed satisfactorily and without danger. The approaches to the Site and the Works where the night-work is being carried out shall be sufficiently lighted. All arrangement adopted for such lighting shall be to the satisfaction of the Engineer's Representative.

20.4 Employer's Risks

The Employer's risks are:

Delete the text and substitute with the following:

- (a) insofar as they directly affect the execution of the Works in Pakistan:
- (i) war and hostilities (whether war be declared or not), invasion, act of foreign enemies,
 - (ii) rebellion, revolution, insurrection, or military or usurped power, or civil war,
 - (iii) ionizing radiations, or contamination by radioactivity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radioactive toxic explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof,

- (iv) pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds,
 - (v) riot, commotion or disorder, unless solely restricted to the employees of the Contractor or of his Subcontractors and arising from the conduct of the Works;
- (b) loss or damage due to the use or occupation by the Employer of any Section or part of the Permanent Works, except as may be provided for in the Contract;
- (c) loss or damage to the extent that it is due to the design of the Works, other than any part of the design provided by the Contractor or for which the Contractor is responsible; and
- (d) any operation of the forces of nature (insofar as it occurs on the Site) which an experienced contractor:
 - (i) could not have reasonably foreseen, or
 - (ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures:
 - (a) prevent loss or damage to physical property from occurring by taking appropriate measures, or
 - (b) insure against.

21.1 Insurance of Works and Contractor's Equipment

Following paragraphs (d) and (e) are added in Sub-Clause 21.1 of the General Conditions Part-I.

d) General Requirements

The Contractor shall insure with any one of the insurance companies approved for this purpose by the Employer. The insurance policies shall be in the joint names of the Employer, and the Contractor against all loss or damages as stated in the General Conditions Part I and as stated herein. Notwithstanding the responsibilities of the Contractor for indemnities and insurances as described in Sub-Clauses 21 to 24 of General Conditions Part I, the Contractor before commencing work on Site, must discuss fully with the Engineer and the Employer the insurance coverage provided under any general policies which are to be applied to this Contract to ensure that there are no contingencies left uncovered and to reduce, as far as practicable, duplication of coverage. Should any areas of omission be discovered that are not covered by definition of responsibilities set out in these conditions, the addition or reduction in premiums required to give such insurance coverage will be paid by the Contractor. Such policies shall be obtained by the Contractor with consent of the Employer.

1. The Contractor shall be responsible for deductibles and losses/damages not covered by insurances other than the excepted risks.
2. The insurance losses shall not affect the Employer's or the Contractor's rights and obligations under the Contract.

3. The Contractor shall be responsible for compliance by his sub-contractors of insurances specified in these Sub-Clauses. Before each sub-contractor starts work, the Contractor shall provide the Employer proof that the sub-contractor(s) are covered by insurances specified herein for the Contractor.
4. All policies shall state that:
 - 4.1. The Employer shall receive at least 30 days written notice of intended Cancellation or change affecting coverage.
 - 4.2. The Contractor is fully protected so as to provide full indemnity to Employer in respect of liability against losses or damages assumed by the Contractor under the Contract.
 - 4.3. The inclusion of more than one insured shall not affect the rights of any other insured.
 - 4.4. If a loss occurs the Contractor and the Employer shall be paid in relation of their share of the loss.
 - 4.5. The Insurer has no subrogation rights against any person, corporation, or organization including directors, officers, employees, servants agents thereof which:
 - 4.5.1. is an insured under the policy or
 - 4.5.2. is Controlled by, Owned by, or associated with an insured, or
 - 4.5.3. is a sub-contractor on the works, or has, before or a loss occurs, been released from liability by an insured.
5. Hold harmless provisions: The Employer, the Engineer and the Contractor shall be indemnified against all losses.
6. Employer use or occupancy: If the Employer uses or occupies all or part of the works during the life of the insurance policy, the Contractor shall ensure that the policy continues in full force and the Employer shall pay any resulting extra cost of insurance.
7. Loss Procedure: If a loss occurs the Contractor shall, on behalf of the Employer and himself negotiate the value of the loss with the insurer. Unless directed otherwise by the Engineer, when agreement is reached the Contractor shall repair all damages and the Employer shall pay him in accordance with the Engineer's Certificates for that part of the repairs which is the Employer's responsibility.
8. If directed by the Engineer, instead of carrying out repairs, the Contractor shall pay to the party suffering the loss that part of the agreed value of the loss which is the Contractor's responsibility.

The provisions of this Sub-Clause 21.1(d) shall be applicable to other insurance covered by Sub-Clauses 22, 23 and 24 of General Conditions of Contract Part-I.

e) Automobile Liability Insurance:

1. The Contractor shall also provide automobile liability insurance of all licensed vehicles owned, hired and operated by the Contractor and the risk insured shall be bodily injury, death of person and property damage or loss.
2. Minimum Limit: As indicated in Appendix 'A' to Tender inclusive each occurrence.

21.4 Exclusions

The text is deleted and substituted with the following:

There shall be no obligation for the insurances in Sub-Clause 21.1 to include loss or damage caused by the risks listed under Sub-Clause 20.4 paras (a) (i) to (iv).

The following Sub-Clause 25.5 is added:

25.5 Insurance Company

The Contractor shall be obliged to place all insurances relating to the Contract (including, but not limited to, the insurances referred to in Clauses 21, 23 and 24) with either National Insurance Company of Pakistan or any other insurance company having at least AA rating from PACRA/JCR operating in Pakistan and acceptable to the Employer.

Costs of such insurances shall be borne by the Contractor.

The following Sub-Clause 31.3 is added:

31.3 Co-operation with other Contractors

During the execution of the Works, the Contractor shall co-operate fully with other contractors working for the Employer at and in the vicinity of the Site and also shall provide adequate precautionary facilities not to make himself a nuisance to local residents and other contractors.

The following Sub-Clauses 34.2 to 34.12 are added:

34.2 Rates of Wages and Conditions of Labour

The Contractor shall pay rates of wages and observe conditions of labour not less favourable than those established for the trade or industry where the work is carried out. In the absence of any rates of wages or conditions of labour so established, the Contractor shall pay rates of wages and observe conditions of labour which are not less favourable than the general level of wages and conditions observed by other employers whose general circumstances in the trade or in industry in which the Contractor is engaged are similar.

34.3 Employment of Persons in the Service of Others

The Contractor shall not recruit his staff and labour (Professional, Semi Professional staff and skilled or un-skilled labour) from amongst the persons in the services of the Employer, The Engineer or other Contractors; except with the prior written consent of the Employer or the Engineer, as the case may be.

34.4 Housing for Labour

Save insofar as the Contract otherwise provides, the Contractor shall provide and maintain such housing accommodation and amenities as he may consider necessary for all his supervisory staff and labour, employed for the purposes of or in connection with the Contract including all fencing, electricity supply, sanitation, cookhouses, fire prevention, water supply and other requirements in connection with such housing accommodation or amenities. On completion of the Contract, these facilities shall be handed over to the Employer or if the Employer so desires, the temporary camps or housing provided by the Contractor shall be removed and the Site reinstated to its original condition, all to the approval of the Engineer.

34.5 Health and Safety

Due precautions shall be taken by the Contractor, and at his own cost, to ensure the safety of his staff and labour at all times throughout the period of the Contract. The Contractor shall further ensure that suitable arrangements are made for the prevention of epidemics and for all necessary welfare and hygiene requirements.

34.6 Epidemics

In the event of any outbreak of illness of an epidemic nature, the Contractor shall comply with and carry out such regulations, orders and requirements as may be made by the Government, or the local medical or sanitary authorities, for purpose of dealing with and overcoming the same.

34.7 Supply of Water

The Contractor shall, so far as is reasonably practicable, having regard to local conditions, provide on the Site, to the satisfaction of the Engineer or his representative, adequate supply of drinking and other water for the use of his staff and labour.

34.8 Alcoholic Liquor or Drugs

The Contractor shall not, otherwise than in accordance with the Statutes, Ordinances and Government Regulations or Orders for the time being in force, import, sell, give, barter or otherwise dispose of any alcoholic liquor or drugs, or permit or suffer any such importation, sale, gift, barter or disposal by his Subcontractors, agents, staff or labour.

34.9 Arms and Ammunition

The Contractor shall not give, or otherwise dispose of to any person or persons, any arms or ammunition of any kind or permit or suffer the same as

34.10 Festivals and Religious Customs

The Contractor shall in all dealings with his staff and labour have due regard to all recognised festivals, days of rest and religious and other customs.

34.11 Disorderly Conduct

The Contractor shall at all times take all reasonable precautions to prevent any unlawful, riotous or disorderly conduct by or amongst staff and labour and for the preservation of peace and protection of persons and property in the neighbourhood of the Works against the same.

34.12 Compliance by Subcontractors

The Contractor shall be responsible for compliance by his Subcontractors of the provisions of this Clause.

The following Sub-Clauses 35.2 and 35.3 are added:

35.2 Records of Safety and Health

The Contractor shall maintain such records and make such reports concerning safety, health and welfare of persons and damage to property as the Engineer may from time to time prescribe.

35.3 Reporting of Accidents

The Contractor shall report to the Engineer details of any accident as soon as possible after its occurrence. In the case of any fatality or serious accident, the Contractor shall, in addition, notify the Engineer immediately by the quickest available means.

The following Sub-Clause 36.6 is added:

36.6 Use of Pakistani Materials and Services

The Contractor shall, so far as may be consistent with the Contract, make the maximum use of materials, supplies, plant and equipment indigenous to or produced or fabricated in Pakistan and services, available in Pakistan provided such materials, supplies, plant, equipment and services shall be of required standard.

41.1 Commencement of Works

The text is deleted and substituted with the following:

The Contractor shall commence the Works on Site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the Contractor shall proceed with the Works with due expedition and without delay.

47.3 Bonus for Early Completion of Works

The Bonus for Early Completion of Works is entirely deleted.

48.2 Taking Over of Sections or Parts

For the purposes of para (a) of this Sub-Clause, separate Times for Completion shall be provided in the Appendix-A to Bid "Special Stipulations".

51.2 Instructions for Variations

At the end of the first sentence, after the word "Engineer", the words "in writing" are added.

52.1 Valuation of Variations

In the tenth line, after the words "Engineer shall" the following is added:

within a period not exceeding one-eighth of the completion time subject to a minimum of 56 days from the date of disagreement whichever is later.

52.3 Variation Exceeding 15 per cent

Change the heading as ""**Variation Exceeding 25 per cent**"

In line 8, and last line the text, "15", is being replaced with, "25"

53.4 Failure to Comply

This Sub-Clause is deleted in its entirety.

54.3 Customs Clearance

The Employer will be responsible for the Customs Clearance for only Owner Supply items, otherwise the contractor will be responsible for all Customs Clearance for the execution of their construction work under the contract. No extra payment will be paid in this regard.

54.5 Conditions of Hire of Contractor's Equipment

The following paragraph is added:

The Contractor shall, upon request by the Engineer at any time in relation to any item of hired Contractor's Equipment, forthwith notify the Engineer in writing the name and address of the Owner of the equipment and shall certify that the agreement for the hire thereof contains a provision in accordance with the requirements set forth above.

The following Sub-Clauses 59.4 & 59.5 is added:

59.4 Payments to Nominated Subcontractors

The Contractor shall pay to the nominated Subcontractor the amounts which the Engineer certifies to be due in accordance with the subcontract. These amounts plus other charges shall be included in the Contract Price in accordance with Clause 58 [Provisional Sums], except as stated in Sub-Clause 59.5 [Certification of Payments].

59.5 Certification of Payments & Nominated Subcontractors

Before issuing a Payment Certificate which includes an amount payable to a nominated Subcontractor, the Engineer may request the Contractor to supply reasonable evidence that the nominated Subcontractor has received all

amounts due in accordance with previous Payment Certificates, less applicable deductions for retention or otherwise. Unless the Contractor:

- a) submits reasonable evidence to the Engineer, or
- b)
 - i) satisfies the Engineer in writing that the Contractor is reasonably entitled to withhold or refuse to pay these amounts, and
 - ii) submits to the Engineer reasonable evidence that the nominated Subcontractor has been notified of the Contractor's entitlement,

then the Employer may (at his sole discretion) pay direct to the nominated Subcontractor, part or all of such amounts previously certified (less applicable deductions) as are due to the nominated Subcontractor and for which the Contractor has failed to submit the evidence described in sub-paragraphs (a) or (b) above. The Contractor shall then repay, to the Employer, the amount which the nominated Subcontractor was directly paid by the Employer.

60.1 Monthly Statements

In the first line after the word "shall", the following is added:

"on the basis of the joint measurement of work done under Clause 56.1,"

In Para (c) the words "the Appendix to Tender" are deleted and substituted with the words " Sub-Clause 60.11 (a)(6) hereof".

60.2 Monthly Payments

In the first line, "28" is substituted by "14".

60.10 Time for Payment

The text is deleted and substituted with the following:

The amount due to the Contractor under any Interim Payment Certificate issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall , subject to Clause 47, be paid by the Employer to the Contractor within 30 days after such Interim Payment Certificate has been jointly verified by Employer and Contractor, or, in the case of the Final Certificate referred to in Sub Clause 60.8, within 60 days after such Final Payment Certificate has been jointly verified by Employer and Contractor; Provided that the Interim Payment shall be caused in 42 days and Final Payment in 60 days in case of foreign funded project. In the event of the failure of the Employer to make payment within the times stated, the Employer shall pay to the Contractor compensation at the 28 days rate of KIBOR+2% per annum for local currency and LIBOR+1% for foreign currency, upon all sums unpaid from the date by which the same should have been paid. The provisions of this Sub-Clause are without prejudice to the Contractor's entitlement under Clause 69.

The following Sub-Clause 60.11 and 60.12 is added:

60.11 Secured Advance on Materials

- a) The Contractor shall be entitled to receive from the Employer Secured Advance against an indemnity bond acceptable to the Employer of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the Site but not yet incorporated in the Permanent Works provided that:
 - (1) The materials are in accordance with the Specifications for the Permanent Works;
 - (2) Such materials have been delivered to the Site and are properly stored and protected against loss or damage or deterioration to the satisfaction of the Engineer but at the risk and cost of the Contractor;
 - (3) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;
 - (4) The Contractor shall submit with his monthly statement the estimated value of the materials on Site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefor;
 - (5) Ownership of such materials shall be deemed to vest in the Employer and these materials shall not be removed from the Site or otherwise disposed of without written permission of the Employer; and
 - (6) The sum payable for such materials on Site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of other materials.
- (b) The recovery of Secured Advance paid to the Contractor under the above provisions shall be affected from the monthly payments on actual consumption basis.

60.12 Financial Assistance to Contractor

Financial assistance shall be made available to the Contractor by the Employer on the following method.

- (a) An interest-free Mobilization Advance up to 10 % of the Contract Price stated in the Letter of Acceptance shall be paid by the Employer to the Contractor in two equal parts upon submission by the Contractor of a Mobilization Advance Guarantee/Bond for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan or an insurance company acceptable to the Employer:
 - (1) First part within 14 days after signing of the Contract Agreement or date of receipt of Engineer's Notice to Commence, whichever is earlier; and
 - (2) Second part within 42 days from the date of payment of the first part, subject to the satisfaction of the Engineer as to the state of mobilization of the Contractor.
- (b) This Advance shall be recovered in equal instalments; first instalment at the expiry of third month after the date of payment of first part of Advance and the last instalment two months before the date of completion of the Works as per Clause 43 hereof.

63.1 Default of Contractor

The following para is added at the end of the Sub-Clause:

Provided further that in addition to the action taken by the Employer against the Contractor under this Clause, the Employer may also refer the case of default of the Contractor to Pakistan Engineering Council for punitive action under the Construction and Operation of Engineering Works Bye-Laws 1987, as amended from time to time.

65.2 Special Risks

The text is deleted and substituted with the following:

The Special Risks are the risks defined under Sub-Clause 20.4 sub paragraphs (a) (i) to (a) (v).

67. 3 Arbitration

In the sixth to eight lines, the words "shall be finally settled appointed under such Rules" are deleted and substituted with the following:

shall be finally settled under the provisions of the Arbitration Act, 1940 as amended or any statutory modification or re-enactment thereof for the time being in force.

The following paragraph is added:

The place of arbitration shall be Karachi, Pakistan.

68.1 Notice to Contractor

The following paragraph is added:

For the purposes of this Sub-Clause, the Contractor shall, immediately after receipt of Letter of Acceptance, intimate in writing to the Employer and the Engineer by registered post, the address of his principal place of business or any change in such address during the period of the Contract.

68.2 Notice to Employer and Engineer

For the purposes of this Sub-Clause, the respective address are:

a) The Employer :

Executive Engineer ,Sports & Youth Affairs Department
Government of Sindh Karachi

b) The Engineer:

Architects Inc,26a, Street No 4, KB colony New airport Lahore Cantt.,”

70.1 Increase or Decrease of Cost

Sub-Clause 70.1 is deleted in its entirety, and substituted with the following:

(Standard procedure and formula for price adjustment from internet should be concerned for further clarification if needed.)

The amounts payable to the Contractor, pursuant to Sub-Clause 60.1, shall be adjusted in respect of the rise or fall in the cost of labor, materials, and other inputs to the Works, by applying to such amount the formula prescribed in this Sub-Clause.

(a) Other Changes in Cost

To the extent that full compensation for any rise or fall in costs to the Contractor is not covered by the provisions of this or other Clauses in the Contract, the unit rates and prices included in the Contract shall be deemed to include amounts to cover the contingency of such other rise or fall of costs.

(b) Adjustment Formula

The adjustment to the monthly statements in respect of changes in cost shall be determined from the following formula:-

$$P_n = A + b \frac{L_n}{L_o} + c \frac{M_n}{M_o} + d \frac{E_n}{E_o} + \dots$$

Where:

P_n is a price adjustment factor to be applied to the amount for the payment of the work carried out in the subject month, determined in accordance with Paragraph 60.1 (a), and with Paragraphs 60.1 (b)

and (e), where any variations and daywork are not otherwise subject to adjustment;

A is a constant, specified in Appendix-C to Bid, representing the nonadjustable portion in contractual payments;

b, c, d, etc., are weightages or coefficients representing the estimated proportion of each cost element (labour, cement and reinforcing steel etc.) in the Works or Sections thereof, net of Provisional Sums and Prime Cost; the sum of A, b, c, d, etc., shall be one;

Ln, Mn, En, etc., are the current cost indices or reference prices of the cost elements for month "n", determined pursuant to Sub-Clause 70.1(d), applicable to each cost element; and

Lo, Mo, Eo, etc., are the base cost indices or reference prices corresponding to the above cost elements at the date specified in Sub-Clause 70.1(d).

(c) Sources of Indices and Weightages

The sources of indices shall be those listed in Appendix-C to Bid, as approved by the Engineer. As the proposed basis for price adjustment, the Contractor shall have submitted with his bid the tabulation of Weightages and Source of Indices if different than those given in Appendix-C to Bid, which shall be subject to approval by the Engineer.

(d) Base, Current, and Provisional Indices

The base cost indices or prices shall be those prevailing on the day 28 days prior to the latest date for submission of bids. Current indices or prices shall be those prevailing on the day 28 days prior to the last day of the period to which a particular monthly statement is related. If at any time the current indices are not available, provisional indices as determined by the Engineer will be used, subject to subsequent correction of the amounts paid to the Contractor when the current indices become available.

(e) Adjustment after Completion

If the Contractor fails to complete the Works within the Time for Completion prescribed under Clause 43, adjustment of prices thereafter until the date of completion of the Works shall be made using either the indices or prices relating to the prescribed time for completion, or the current indices or prices, whichever is more favorable to the Employer, provided that if an extension of time is granted pursuant to Clause 44, the above provision shall apply only to adjustments made after the expiry of such extension of time.

(f) Weightages

The weightages for each of the factors of cost given in Appendix-C to Bid shall be adjusted if, in the opinion of the Engineer, they have been rendered unreasonable, unbalanced, or inapplicable as a result of

varied or additional work executed or instructed under Clause 51. Such adjustment(s) shall have to be agreed in the variation order.

The following Sub-Clauses 73.1, 73.2, 74.1, 75.1, 76.1, 77.1 and 78.1 are added:

73.1 Payment of Income Tax

The Contractor, Subcontractors and their employees shall be responsible for payment of all their income tax, super tax and other taxes on income arising out of the Contract

and the rates and prices stated in the Contract shall be deemed to cover all such taxes.

73.2 Customs Duty & Taxes

The Employer will be responsible for the Customs Duty & Taxes for only Owner Supply items, otherwise the contractor will be responsible for all Customs Clearance for the execution of their construction work under the contract. No extra payment will be paid in this regard

74.1 Integrity Pact

If the Contractor or any of his Subcontractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Appendix-L to his Bid, then the Employer shall be entitled to:

- (a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Subcontractors, agents or servants;
- (b) terminate the Contract; and
- (c) recover from the Contractor any loss or damage to the Employer as a result of such termination or of any other corrupt business practices of the Contractor or any of his Subcontractors, agents or servants.

The termination under Sub-Para (b) of this Sub-Clause shall proceed in the manner prescribed under Sub-Clauses 63.1 to 63.4 and the payment under Sub-Clause 63.3 shall be made after having deducted the amounts due to the Employer under Sub-Para (a) and (c) of this Sub-Clause.

75.1 Termination of Contract for Employer's Convenience

The Employer shall be entitled to terminate the Contract at any time for the Employer's convenience after giving 56 days prior notice to the Contractor, with a copy to the Engineer. In the event of such termination, the Contractor :

- (a) shall proceed as provided in Sub-Clause 65.7 hereof; and
- (b) shall be paid by the Employer as provided in Sub-Clause 65.8 hereof.

76.1 Liability of Contractor

The Contractor or his Subcontractors or assigns shall follow strictly, all relevant labour laws including the Workmen's Compensation Act and the Employer shall be fully indemnified for all claims, damages etc. arising out of any dispute between the Contractor, his Subcontractors or assigns and the labour employed by them.

77.1 Joint and Several Liability

If the Contractor is a joint venture of two or more persons, all such persons shall be jointly and severally bound to the Employer for the fulfilment of the terms of the Contract and shall designate one of such persons to act as leader with authority to bind the joint venture. The composition or the constitution of the joint venture shall not be altered without the prior consent of the Employer.

78.1 Details to be Confidential

The Contractor shall treat the details of the Contract as private and confidential, save in so far as may be necessary for the purposes thereof, and shall not publish or disclose the same or any particulars thereof in any trade or technical paper or elsewhere without the prior consent in writing of the Employer or the Engineer. If any dispute arises as to the necessity of any publication or disclosure for the purpose of the Contract, the same shall be referred to the decision of the Engineer whose award shall be final.

SPECIFICATIONS – SPECIAL PROVISIONS

1. GENERAL

- 1.1 Specifications – Special Provisions shall form an integral part of Bid & Contract documents.
- 1.2 The Contractor shall notify all sub-contractors of the provisions of these Special Provisions

2. DESCRIPTION OF PROJECT AND SITE

Sports board Sindh is constructed the sports complex at Sukkur. The project is located at main road Sukkur to Shikarpur on the right side. The said land is 4 to 5 Km (approx.) away from main bus stand Sukkur. The Project is consist of boundary wall, clearing & Grubbing, sand and sweet soil filling and guard post including steel gate lying within the lines, boundaries and limits shown on the Drawings and any such additional areas adjacent thereto as may be designated by the Engineer from time to time for the construction that shall be performed under the Contract. The Contract is essentially envisaged to cover Civil, Electrical, Water Supply, Sewerage, Internal Plumbing and all related

ancillary works which are deemed necessary to sustain long perennial benefits of realizing a state of the art educational complex.

The Employer will give to the Contractor possession of the area designated and defined as the Site and shown on the drawing as may be required to implement as much of the Works, when the Engineer's Notice to Commence the Works is given.

3. CODES, STANDARDS AND CERTIFICATES

A. Applicable Standards

Except as otherwise provided by these Specifications or the Drawings, all materials, equipment and fabrication and testing thereof shall conform to the latest applicable standards and codes referred in the Specifications by use of the abbreviations explained below:

ACI	-	American Concrete Institute (USA)
AISI	-	American Iron and Steel Institute (USA)
AISC	-	American Institute of Steel Construction (USA)
ANSI	-	American National Standard Institute (USA)
ASTM	-	American Society for Testing and Materials (USA)
AASHTO	-	American Association of State Highway & Transportation Officials.
AWS	-	American Welding Society (USA)
BS	-	British Standards (UK)
CP	-	Codes of Practice (UK)
PS	-	Pakistan Standards (Pak)
SSPC	-	Steel Structures Painting Council (USA)
UBC	-	Uniform Building Code (USA)
USBR	-	United States Bureau of Reclamation (USA)

If the Contractor, at any time and for any reason, wishes to deviate from the above standards or desires to use material or equipment not covered by the above standards, he shall state the exact nature of the changes, the reason for making the change and shall submit complete specifications of the materials and equipment to the Engineer for approval.

B. Standards other than those Specified

Where requirements for materials or equipment are specified by reference to a standard which has its origin in one country, it is not the intention to restrict the requirements solely to that standard and that country. Other standards, including standards of other countries, will be accepted provided the requirements thereof, in the sole opinion of the Engineer are at least equal to the requirements of the standard

specified. The Contractor may propose to the Engineer an equivalent standard other than that specified, in which case he shall submit the proposed standard and all other information required and shall submit written proof that his proposed standard is equivalent in all significant respects to the standard specified. All submissions must be made in the English language.

C. Codes and Standards at Site

The Contractor shall supply and have at his site office:-

- a) Copies of all latest editions of codes and standards referred to in these Specifications or equivalent codes and standards as approved by the Engineer.
- b) Catalogues and published recommendations from manufacturers supplying products and materials for the project.
- c) The Contractor shall provide manufacturer's or supplier's materials which must meet the requirements of a specific code or standard as stated in these Specifications.

4. MANUFACTURER'S RECOMMENDATIONS

Installation of manufactured items shall be in accordance with procedures recommended by the manufacturer or as approved by the Engineer.

5. UNITS OF MEASUREMENTS

The British System of Units shall be used throughout the Project.

6. PLANT, EQUIPMENT AND TOOLS

The Contractor shall provide at his cost, modern plant, equipment and tools which are adequate and befitting to the nature, magnitude and size of contracted Works, in strict compliance with the requirements of the General Conditions of Contract, Conditions of Particular Applications and Technical Specifications.

7. STORAGE & HANDLING FACILITIES

The Contractor shall make his own arrangements for providing the necessary space for the storage of plant, equipment, materials and for his temporary office, in and around the site of works, during the currency of the Contract.

8. FIELD LABORATORY AND TESTING

8.1 General

The Contractor shall provide and maintain a field laboratory equipped with approved equipment to perform all tests that shall be required by the Engineer for quality assurances. These tests shall be performed by

Contractor's competent personnel in accordance with quality control programme as established by the Contractor and approved by the Engineer. If the Engineer so desires, the Contractor shall at his own cost, facilitate performing of certain tests in any other laboratory as designated by the Engineer.

- The Contractor shall employ qualified material Engineer, technicians and helpers for manning the laboratory activities and shall provide any assistance, from time to time or whenever required by the Engineer for testing purposes.
- The Field Laboratory, including all equipment and staff shall be placed at the disposal and direction of the Engineer during the entire period of the Contract.
- The Contractor shall keep a complete record of all quality tests performed on site.
- All quality control and tests shall be carried out in accordance with applicable Standards and Codes.

8.2. Field Laboratory Equipment Requirements

The Laboratory shall be equipped with new unused and latest Equipment to perform tests as per Technical Specifications and General Conditions of Contract. Additional equipment/materials shall be supplied by the Contractor as and when required by the Engineer to perform any specified test, at no additional cost to the Employer.

The laboratory shall also be equipped with new unused furniture, fittings and fixtures. If any equipment, furniture, fitting or fixture becomes unserviceable for any reason what so ever, the Contractor shall promptly replace the same as and when directed by the Engineer.

8.3. Method of Payment

The cost of providing, running and maintenance of the laboratory, equipment, materials and staff, testing charges for materials supplied by the Employer and all other tests to be performed in any other laboratory designated by the Engineer shall be deemed to be included in the price quoted by the Contractor and no separate claim for payment on this account shall be entertained by the Engineer.

In case the Contractor does not provide the specified equipment and testing facility, cost of testing plus 100 percent overheads shall be recovered from his bills.

9. SURVEYING INSTRUMENTS

9.1 General

The minimum quantity of survey equipment is stated below which shall be available with the Contractor at site of Works along with qualified Surveyors and Survey Helpers. The equipment shall be maintained throughout the Contract Period and replaced by the Contractor in case of damage or loss. The survey equipment shall be made available to the Engineer when directed. All surveying equipment shall be in good working condition.

9.2 Surveying Equipment Required

The Contractor shall provide and maintain the following surveying equipment at site.

- | | |
|---|----|
| a) Theodolite (T2 Wild) with accessories complete
No. | 1 |
| b) Auto – level (Dumpy) with tripod
Nos. | 2 |
| c) Steel measuring tapes 50 m long
Nos. | 4 |
| d) Steel measuring tapes 20 m long
Nos. | 4 |
| e) Self locking Aluminum Staff
Nos. | 10 |
| f) All other miscellaneous tools, equipment and materials required
in surveying. | |

10. APPROVAL OF MATERIALS AND PLANT

10.1 *Quality of Materials*

All materials, fixtures, fittings, supplies and plant to be furnished under the Contract shall be new and conforming to standards of first grade quality both in-terms of workmanship and design. No inferior or low-grade materials, supplies or articles shall either be approved or accepted. All permanent Works, whether of installation, assembly or of construction as envisaged under the Contract shall be performed in a first-class and workmanlike manner. While asking for prices for materials intended for delivery to the site and incorporation in the Works under any portion of these Specifications, the Contractor shall provide the manufacturer or supplier with complete information as may be necessary to secure compliance to this Clause and, in every case, he shall quote this Clause in full to each such manufacturer or supplier.

10.2 Submission of Samples and Data

- 10.2.1 The Contractor shall furnish for approval of the Engineer with reasonable promptness all samples as directed by the Engineer or specifically called for in the Specifications and in accordance with the time schedule provided in the schedule of submittals. The Engineer shall check and approve such samples with reasonable promptness only for conformance with the design concept of the Works and for compliance with the information given in the Contract Documents. All work shall be in accordance with approved samples.
- 10.2.2 Samples shall be furnished so as not to delay fabrication, allowing the Engineer reasonable time for consideration of the sample submitted.
- 10.2.3 Each sample shall be properly labeled with the name and quality of the material, manufacturer's name, name of the project, the Contractor's name and the date of submission, and the Specifications Article number to which the sample refers.
- 10.2.4 The manufacturer's installation directions shall be provided with each sample. The Contractor shall pay all transportation costs and deliver samples to the Engineer's office, Site or testing laboratory as directed by the Engineer.
- 10.2.5 Samples shall be of adequate size to permit proper evaluation of the material by the Engineer. Where variations in colour, texture, dimensions or other characteristics are to be expected, the Contractor shall submit samples showing the maximum range of variation. Materials exceeding the range of variation of the approved samples shall not be used on the Work.
- 10.2.6 In order to permit coordinated selection of colours and finishes, the Contractor shall deliver samples of all related items to the Engineer at one time. Samples of such materials will not be approved until all related samples have been submitted.
- 10.2.7 If both Shop Drawings and samples are required for the same item, the Engineer may require both to be submitted before approving either.
- 10.2.8 The Contractor shall erect Mock-up samples of finished items (such as wooden/aluminum doors/windows/ventilators, all exterior/interior finishes including tile work, concrete pre-cast elements like jail/grill work, false ceiling, etc.) where specifically called for in the documents or as directed by the Engineer.

The Mock-up samples shall be preserved/protected by the Contractor till the end of the project or as directed by the Engineer.

- 10.2.9 No acceptance or approval of any Shop Drawings or sample, or any indication or request by the Engineer on any Shop Drawings shall constitute an authorization for any increase in the Contract Sum.

10.3 Inspection

All material and Plant furnished and all work performed under this Contract will be subject to inspection by the Engineer at all times and in all states of completion both off-Site and on-Site. The Contractor shall furnish promptly without additional charge, all facilities, labour and materials reasonably needed for performing such inspection and testing as may be required by the Engineer.

10.4 Approved Sample At Site

The Contractor shall, at all times, keep on the Site approved samples. All such samples shall be made available to the Engineer as and when required.

11. BAR BENDING SCHEDULE

Bar bending (reinforcement bars) schedule of all structural drawings shall be prepared by the Contractor and submitted in triplicate to the Engineer for approval.

12. DRAWINGS

12.1 Bid Drawings

Bid Drawings issued with the Bidding Documents, called the Bid Drawings, showing scope of the work to be performed by the Contractor. The Drawings are generally in sufficient detail so as to be used as a basis for construction, fabrication and for placing orders for materials subject to corrections based on the future issue of supplementary Drawings as provided under Sub-Clause 12.2 hereof.

12.2 Construction Drawings, Supplementary Drawings

After award of Contract, the Bid Drawings will automatically become Construction Drawings.

The Engineer shall have authority to issue to the Contractor, from time to time, such supplementary Drawings and instructions as shall be necessary for the purpose of the proper and adequate execution and

completion of the Works and the remedying of any defects therein. The Contractor shall follow these drawings.

12.3 Definition of Term Drawings

The term Drawings as used in the Specifications means the Drawings referred in Clauses 12.1 and 12.2 above.

12.4 Checking of Drawings

The Contractor shall check all Drawings carefully as soon as practicable after receipt thereof, and shall promptly notify the Engineer of any errors discovered.

12.5 Copies of Drawings

Drawings will be issued to the Contractor as described below.

10.5.1 Bid Drawings (at Construction stage)

Three (3) sets of the Bid Drawings will be issued to the Contractor at the time of Construction free of charge. Additional sets will be provided at cost of reproduction upon written request of the Contractor.

10.5.2 Supplementary Drawings

Three (3) prints of each supplementary Drawing will be issued to the Contractor free of charge. Additional sets will be provided at cost of reproduction upon written request of the Contractor.

12.6 Drawings to Be Furnished By the Contractor

The Contractor shall submit to the Engineer for review, such drawings as are required under the Contract, sufficiently in advance of the work intended to be executed.

12.6.1 Reinforcement Drawings

Reinforcement placement drawings and bar bending schedules (to be provided by the Contractor as per clause 11 above) of all RCC work shall be prepared by the Contractor and submitted in

triplicate to the Engineer for approval, sufficiently in advance of the works in which they are intended to be used.

12.6.2 Shop Drawings

- (a) The Contractor shall submit to the Engineer for review three (3) copies of all drawings to be issued for setting out, fabrication, supply order and construction; based on data, requirements, dimensions, details, codes, standards and design provided in the drawings issued by the Engineer. Such drawings shall be submitted at least twenty-eight (28) days before they are required for use. The Engineer may notify the Contractor that a drawing fails to comply with the relevant requirement of the Contract, in which case the drawing shall be rectified and resubmitted for approval at the Contractor's cost. Fabrication or construction shall not commence on any part of the Works until the shop drawings or construction drawings for that part of the Works have been approved by the Engineer.

The Works shall be executed in accordance with the drawings as approved by the Engineer. If the Contractor wishes to modify any approved drawings, he shall immediately notify the Engineer and submit revised drawings for approval. If the Engineer instructs that further drawings are necessary for executing the Works, the Contractor shall prepare such drawings and submit them for approval.

The Contractor at his cost shall rectify errors, omission, ambiguities, inadequacies and other defects.

Approval by the Engineer, in accordance with this paragraph, shall not relieve the Contractor of any of his responsibilities under the Contract.

- (b) The shop drawings shall be properly identified indicating the part of the Works, the name of the contractor / supplier etc., the date of preparation and the dates of all revisions. The Shop Drawings shall be complete and shall show the design dimensions, proposed materials to be used, finishes, type of shop paint and all other details in connection thereto.
- (c) Where adjoining work requires shop drawings, the Contractor shall prepare and submit composite shop drawings, which shall show and define the work under all affected trades. If the Contractor executes work

before coordinating with other trades so as to cause interference with work of those trades, he shall make changes necessary to correct the conditions without extra cost to the Employer.

- (d) No changes shall be made by the Contractor in the resubmitted shop drawings in excess of the corrections spelled out by the Engineer and in a separate note on the shop drawings.
- (e) No work in the shop shall be started and no material or plant ordered until the Engineer has approved the shop drawings. It shall be the responsibility of the Contractor to submit the shop drawings on a schedule that allows reasonable time for checking and approval and subsequent fabrication. Failure to submit shop drawings in ample time for checking, correcting, and rechecking will not justify extension of time for completion of the Works.
- (f) The Contractor shall also check and verify all site measurements whenever requested by other Specialist Contractors or by other Sub-Contractors to enable them to prepare their own shop drawings and pass on the information with sufficient promptness, so as not to delay the work in any way. A copy of all such information passed on shall be given to the Engineer.

12.6.3 As-Built Drawings

The Contractor shall, at all times, keep on Site a separate set of prints of all drawings on which all significant changes between the work shown on the Drawings and that which is actually constructed, shall be noted neatly, accurately and promptly as the work progresses. The Subcontractor(s) for plumbing, mechanical and electrical shall, at all times, keep on Site, a separate set of prints of the drawings (showing their parts of the Works) on which all significant changes between the work shown on the Drawings and that which is actually constructed, shall be noted neatly, accurately and promptly as the work progresses. Such drawings shall show the exact physical location and configuration of the works as actually installed.

The Contractor shall, within fourteen (14) days of issuance of Taking-Over Certificate for whole of the Works, furnish to the Engineer for his approval two (2) copies of such marked up drawings. One (1) copy of each of the marked up drawings approved by the Engineer shall be returned to the Contractor by the Engineer and these shall be used for the preparation of the As - Built Drawings.

The Contractor shall furnish to the Engineer six (6) complete sets and one reproducible copy of all As -Built Drawings within twenty eight (28) days of receipt of drawings stated above, from the Engineer.

13. PROTECTION OF THE WORKS

The Contractor shall whenever necessary cover up and protect the works from weather and damage by his own or other workmen performing subsequent operation. The Contractor shall provide all necessary dustsheets, barriers and guard rails and clear away the same at completion.

14. RESTORATION AND CLEANING

Upon completion of the works the Contractor shall restore all items covered by the Contract to the satisfaction of the Engineer.

The Contractor shall do regular cleaning and clear away all rubbish and excess materials that may accumulate from time to time on completion and before handing over. Upon completion of the works he shall obliterate all signs of temporary construction facilities such as work areas, structures, foundations of temporary structures, stock piles of excess or waste materials, or any other vestiges of construction, as directed by the Engineer. All buildings shall be cleaned; floors and paving scrubbed and the works and site shall be left in a clean and satisfactory state for immediate use and occupation. Care shall be taken not to use any cleaning materials, which may cause damage to the surface to be cleaned.

The Contractor shall also take all necessary precautions to keep the works and site free from vermin during construction and he shall leave the works vermin free on completion. Application of pest control agents shall not commence until the specific product, name, method and extent of application have been submitted to and approved of by the Engineer.

15. SITE LABORATORY

The Contractor shall construct, provide and maintain a laboratory at site fully equipped to perform all the tests as specified in Special Provisions of this Document. The laboratory shall be run by a qualified material engineer employed by the Contractor.

The Site laboratory including equipment becomes the property of the Contractor after the Completion of the Project.

16. SITE OFFICE AND TEMPORARY FACILITIES TO BE PROVIDED BY THE CONTRACTOR

16.1 Contractor's Office, Facilities Etc.

The Contractor shall establish and maintain a Site office. The Contractor shall provide all facilities in connection with the execution, completion, of the Works, remedying defects therein and maintenance of the utilities services. The facilities shall not be limited to the Contractor's Site Office, labour camps, work yard and storage areas, temporary water supply, waste water disposal, temporary electricity, medical unit, temporary roads, fire protection and fire fighting equipment etc. The Contractor shall be solely responsible for arranging all utilities and the Contractor shall setup, maintain and operate an architectural and engineering facility at site with adequate number of technical and support staff as well as equipment required for particular nature of job covered under the Contract to prepare drawings/shop drawings for approval of the Engineer.

The Contractor shall arrange his labour camp, work yard, storage area and site office within the site area available at the site.

16.2 Temporary Roads

The Contractor shall prepare and maintain such temporary roads as may be necessary, from the site to the nearest road and also within the plot. Such roads shall be positioned strictly in accordance with the Engineer's instructions and the Contractor shall reduce or control any dust nuisance by regularly spraying water and compaction as directed.

16.3 Temporary Services

16.3.1 Temporary Water Supply

The Contractor shall supply in sufficient quantity all necessary potable and other water for construction purposes for all trades at points within a reasonable distance of any building being constructed. The Contractor shall make arrangements and pay charges for water service installation, maintenance and removal thereof, and pay the costs of water for all trades.

At completion of the work, the temporary water services equipment and piping shall be removed by the Contractor at his own expense.

16.3.2 Temporary Electricity

The Contractor shall make all the necessary arrangements for a temporary electricity service, pay all expense in connection with the installation, operation and removal thereof and pay the costs of electricity consumed by all trades. If the Contractor is un-able to arrange a temporary electrical connection then he shall arrange and furnish an Electric Power Generating set at site and maintain the generating set in perfect working condition through-out the duration of Contract. The generating power of the set shall be sufficient to operate all plant and equipment as well as the camps and offices of the Contractor and the offices of the Engineer/Employer, during construction at site. Should the set fail to meet the required demand at site or fail to function or operate, the Contractor shall immediately replace the same with other generating set/s to the satisfaction of the Employer as well as the Engineer.

A temporary lighting system shall be furnished, installed and maintained by the Contractor as required to satisfy the minimum requirements for safety and security and to the satisfaction of the Engineer.

At completion of construction work, temporary electricity services shall be removed by the Contractor at his own expense.

16.3.3 Waste Disposal

The Contractor shall make such temporary provisions as may be required in order to dispose of any chemicals, fuels, oils, grease, bituminous materials, waste and soil waste and the like without causing pollution to either the site or the environment. Disposal of any materials, wastes, effluent, garbage, oil, grease, chemicals and the like shall be in areas specified by the concerned local authority proposed by the Contractor and subject to the approval of the Engineer. If any waste material is dumped in unauthorized areas the Contractor shall remove the material and restore the area to the condition of the adjacent undisturbed area. If

necessary, contaminated ground shall be excavated, disposed off as directed by the Engineer and replaced with suitable fill material compacted and finished with topsoil all at the expense of the Contractor.

16.3.4 Fire Protection

The Contractor shall provide and maintain adequate fire protection in the form of barrels of water with buckets, fire bucket tanks, fire extinguisher, or other effective means ready for instant use, distributed around the project and in and about temporary inflammable structures during construction of the works.

Gasoline and other flammable liquids shall be stored in and dispensed from safety containers approved by the Engineer and storage shall not be within building.

Torch-cutting and welding operations performed by the Contractor shall have the approval of the Engineer before such work is started and a chemical extinguisher is to be available at the location where such work is in progress.

The Contractor shall follow the instructions and specifications of the Civil Defense Department or any other local department concerned with such activities.

16.4 Sign Board

The Contractor shall erect and maintain at the Site in a location to be approved by the Engineer two (2) Sign Boards of dimensions approved by the Engineer. The Sign Boards shall be made of metal. It shall be mounted on steel posts securely anchored and braced. The Contractor shall paint on the Sign Boards, the name of the Works, and the names of the Employer, Engineer and the Contractor both in English and Persian Language.

16.5 Site Office for Engineer

The Contractor shall, within fourteen (14) days of the commencement of any work at site provide an fully air-condition office accommodation for the Engineer at site comprising covered area of not less than one thousand (1000) square feet, of approved design by the Engineer, along with stabilized access road.

The site office shall be furnished and equipped with adequate new and unused furniture and brand new equipment. The Contractor shall provide separate telephone connections for the Engineer and a mobile telephone, an internet connection, a computer (P-IV) 2.8 GHz minimum with 360 GB Hard disk, 1 Gb ram, a CD writer, 17" Colour monitor, modem, an A3 size colour printer, stabilizer, heaters, an A3 size photocopying machine etc., along-with adequate stationery on regular basis.

The site office shall be connected to the electrical system including generator, potable water supply system and sewage disposal system.

The site office shall become the property of the Contractor after the completion of the project and shall be removed from the site. The area shall be developed in accordance with the drawings and as per the directions of the Engineer. The site office shall be maintained by the Contractor up to a period of 182 (one hundred eighty two) days after the Issuance of Taking Over Certificate by the Engineer.

16.6 Site Facilities To Be Provided By The Contractor

16.6.1 General

Without prejudice to the generality of the various clauses of the Contract, particular attention is drawn to the obligation of the Contractor to make his own arrangement at his own expense for the following.

16.6.2 Labour Camps and Staff Residences

The Contractor shall provide, operate and maintain labour camps and staff residences and are required for the proper and efficient progress of the work to house his own employees. For the purposes of operation and maintenance of the Camps and Residences, the Contractor shall comply with the rules of Pakistan Labour Camp Rules 1960 and all other applicable provisions of the Pakistan Labour Laws.

16.6.3 Administrative and Field Office

The Contractor shall provide, operate and maintain administrative and field offices required for his staff and would be responsible for Operation and Maintenance, furniture, equipment, appliances, janitor services and security of the same.

16.6.4 Work yards and Storage Areas

The Contractor shall provide, operate and maintain all sheds, fencing, foundations and all above ground structures required to store material or equipment brought on to the site by him. The Contractor shall be responsible for the security of his entire camps, residence, site and field offices work yard and storage area.

16.6.5 Water Supply, Sewerage System and Electricity

The Contractor shall make his own arrangement, at his own expense for provision, operation and maintenance of electric supply, reasonable supplies of raw and potable water and

sewerage system at the site of works and his labour camps, staff residences and offices. The Contractor shall pay all fees, and charges (including bills) of whatsoever nature to the concerned departments (if any) in order to procure connections of the above facilities and thereafter using these facilities.

16.6.6 Medical Care

The Contractor shall be responsible for the medical care of his staff and labour and shall provide and maintain at his own expense suitable first aid center at site and camps of use by his staff and labour.

16.6.7 Other Facilities

The Contractor shall also be responsible for providing at his own cost other facilities for his own staff and labour such as educational, recreational, transport, telephone and catering if required.

17. OTHER FACILITIES FOR ENGINEER/ENGINEER'S PERSONNEL TO BE PROVIDED BY THE CONTRACTOR

The Contractor shall provide, operate and maintain the following vehicles for the exclusive use of the Employer and Engineer/Engineer's staff to meet their transportation needs in connection with the project.

Toyota Car (GLI)

01 (One) No.

The vehicles shall be new air-conditioned and of latest model as on the commencement date.

The Contractor shall furnish supply and provide, as may be necessary without specific direction of the Employer or the Engineer, all fuels, lubricants, tyres and other supplies, all maintenance, repairs, comprehensive insurance cover and running costs and suitably qualified drivers at all times for running of vehicles not exceeding 3000 km per month and will provide a substitute vehicle in case of break down exceeding two days.

The Contractor shall provide replacement of vehicle if the vehicle is temporarily or permanently rendered unserviceable for any reason or declared to be beyond repair by the Employer/Engineer at no additional cost to the Employer.

The vehicle shall be parked at the Employer's/Engineer's premises or at the place as advised by the Engineer.

The Contractor shall maintain the vehicle till the issuance of Defects Liability Certificate. The vehicle shall become the property of the Contractor after the issuance of Defects Liability Certificate.

- 17 a)** Incase Engineer Facilities which is conditions of the contractor such as Site Office Furniture Equipment, Office Stationery and Equipment ,Telephone Speciously Vehicles etc, not provided by Contractor, Engineer will arrange deduct from Contractor Running Bill.

18 CONSTRUCTION PROCEDURES

The Contractor shall advise the Engineer of proposed construction procedures in accordance with the General Conditions of Contract.

If the Engineer shall see that the work progress is slow in such a way that the work will not be completed in the time specified, then he shall order the Contractor to work overtime or in more shifts and the Contractor shall obey these orders without any additional payments and without any objections or request for compensation.

19. NOTIFICATION TO ENGINEER

The Engineer shall be notified daily in writing of the nature and location of the Works the Contractor intends to perform the next day so as to enable necessary inspection and measurement to be carried out. The Engineer may, if necessary, direct that longer notice be given of certain operations.

20. NIGHT WORK

When work is done at night, the Contractor shall maintain from sunset to sunrise such lights on or about his work and plant as the Engineer may deem necessary for the proper observations of the work and the efficient execution thereof.

21. WEATHER

No work is to be undertaken when, in the opinion of the Engineer, the weather is not suitable that proper protection of the work cannot be ensured.

22. CO-ORDINATION WITH OTHER CONTRACTORS

It shall be the responsibility of the Contractor to co-ordinate and keep-up good relations with other Contractors employed on site by the Employer.

23. ACCIDENT PREVENTION, PROTECTIVE EQUIPMENT

The Contractor shall comply and enforce compliance by all his sub- contractors with the highest standards of safety and accident prevention in accordance with international standards and in compliance with all applicable laws, ordinances and statutory provisions.

All requisite barriers, fences, warning signs, lights and other safety precautions as required for the protection of persons and property on or adjacent to the site shall be provided at the Contractor's cost.

All false work, scaffolding and handrails shall be well constructed and secured at all times. Where overhead work is being carried out, warning signs shall be installed at ground level clearly warning of the overhead work.

All warning signs shall be in two languages, English and Persian, and shall at all times be maintained in a clean and legible condition, to the satisfaction of the Engineer.

Trash shall be removed at frequent intervals to the satisfaction of the Engineer.

24. SETTING OUT OF WORK AND SURVEY

24.1 Reference Points, Lines

The Contractor shall establish benchmarks and / or reference line at the Site in accordance with the instructions of the Engineer. The Contractor shall set out the work from these benchmarks and lines.

24.2 Verification

The Engineer may make checks as the work progress to verify lines and grades established by the Contractor and to determine the conformance of the work as it progresses with the requirements of the Drawings and Specifications. Such checking by the Engineer shall not relieve the Contractor of his responsibility to perform all work in accordance with the Drawings and Specifications and the lines and grades given therein.

24.3 Survey Instruments

The Contractor shall maintain at the Site the requisite surveying instruments in perfect working conditions to enable the Engineer's Representative to check levels and lines of the work at all times.

25. MONTHLY JOINT PROGRESS MEETING

A monthly Joint Progress Meeting (JPM) will be held on site to review, evaluate and discuss the progress of the Project in which Employer's representative, Engineer/Engineer's representative and the Contractor will participate.

Any instructions issued to the Contractor through the minutes of the meeting shall have the same effect as instructions issued by the Engineer under Sub-Clause 2.5 of General Conditions of Contract Part-I (Instructions in Writing).

The Contractor shall make all necessary arrangements for such meetings, including the preparation and presentation of any presentation with respect to the Project requested by the Engineer.

26 PRECAUTION FOR POLLUTION

Precautionary measures and facilities shall be provided by the Contractor at his own cost in carrying out the Works including dumping and disposal of spoils, in the manner approved by the Engineer to prevent environmental pollution.

27. COORDINATION OF WORKS AT SITE

The Contractor shall take cognizance that during the execution of the project, other Contractor will be working concurrently on this site.

All works of his responsibility shall be coordinated by the Contractor so as to give the necessary facilities to other Contractors or their workmen or any other employee, who execute or supervise any work on the Site.

The Contractor shall ensure that the necessary safety precautions will be observed and interferences shall be avoided especially for the works executed side-by-side by different Contractors.

Due consideration must be given to permit access to sections of the work as required by other contractors for the extension of their works. With a view to coordinate the works, the Engineer may from time to time direct the order of the works to be carried out.

28. PAYMENT OF WORK

No payment shall be made for the works involved within the scope of this section of specifications unless otherwise specifically stated in the Bills of Quantities or herein.

The cost thereof shall be deemed to have been included in the unit rates and tot price quoted by the Contractor.