



CONSTRUCTION OF GYMNASIUM / EXERCISE HALL AT GIKI TOPI

No. GIKI/Dir/Works/ 09

TENDER DOCUMENTS

FOR

CONSTRUCTION OF GYM / EXERCISE HALL AT GIKI

CIVIL, PLUMBING, ELECTRICAL WORKS

Issued By

Director (Engineering Projects)

Ghulam Ishaq Khan Institute of Engineering Sciences &
Technology, Topi, Swabi

Email: Director.engineeringprojects@giki.edu.pk

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TENDER NOTICE

CONSTRUCTION OF GYMNASIUM / EXERCISE HALL AT GIK INSTITUTE, TOPI

1. Ghulam Ishaq Khan Institute of Engineering Sciences & Technology, Topi Swabi invites sealed bids (Single Stage Two Envelope Procedure) from well experienced construction contractors/firms for **CONSTRUCTION OF GYMNASIUM/ EXERCISE HALL**
- 2.
3. at the GIK Institute.
4. Eligibility / Participation criteria for work:

S#	Description
i.	Valid Registration Certificate with Pakistan Engineering Council in relevant category, C-5 & above.
ii.	Registration with FBR and Provincial Sales Tax on service authorities.
iii.	Affidavit/Undertaking regarding non-blacklisting by any public/ private agency. Any firm/entity blacklisted at the time of submitting its bid is ineligible to participate in the bidding process.
iv.	Relevant experience certificates/ work orders with list of projects completed during the last five years and certificates of ongoing projects.

5. Detailed BOQ and other terms and conditions can be downloaded from GIK website from 07 December 2023 onwards (www.giki.edu.pk). Tender Fee cash (Non-Refundable) is Rs. 3,000/-

Sealed bids along with 2% earnest money / Bid security of the total bid cost in the name of GIK Institute should **reach on or before 1100 hours on 14 December 2023. The proposals will be opened in the presence of available bidders at 1130 hours on the same day** in the office of Director (Engineering Projects), GIKI, Topi, Swabi. Eligible companies may visit the site /Works department GIK Institute during working hours for any query / clarification regarding the project. The buildings will be completed within six months from the date of issuance of work order.

6. The proposals will be treated as non-responsive and shall not be considered for evaluation if any of the information mentioned in the Tender Documents is omitted, incomplete or not complied with, or the eligibility criteria is not made.

7. Client reserves the right to reject or accept any or all tenders considering relevant rules & procedures and essential documentation.

Director (Engineering Projects)

GIK Institute, Topi, Swabi

Email. Director.engineeringprojects@giki.edu.pk

Ph. 0938-281035 Ext: 2747

GENERAL RULES AND DIRECTIONS

FOR GUIDANCE OF CONTRACTORS

1. Tender shall be submitted along with all documents in sealed envelopes. The envelopes must have the name of the work written on them at the top and the name of the tenders written at the left-hand bottom corners.
2. Tenders must be filled in with ink and must be free from erasing small cuttings or over writing.
3. Total amount of work shall be written in figures as well as in words.
4. Conditional tenders will not be considered.
5. Contractors will have to make their own arrangement for all materials (except noted otherwise). Excuse of non-availability of any materials in open market will not be held tenable and shall not be considered for the purpose of justification for delay in the execution of the work or for the purpose of granting extension of time.
6. The contractor shall be responsible for the provision of electricity and water at site of work. The successful tenderer shall make his own arrangement for electric and water supply required for execution of work and of his work people or employees engaged thereon, whether or not a water supply/electric source exist on the site, and all expenses in respect thereof, shall be borne and paid by the contractor. In case the Water Supply and Electric connections are available, these will be charged according to GIK procedures. The contractor shall install his own energy/water at source to determine the amount of energy/water consumed.
7. Tender rates should be inclusive of all taxes and duties. Payable to Govt. and no claim on this account will be entertained.
8. It must be clearly understood by contractor that no claims on account of market fluctuations will be entertained during the currency of contract for any item of work included in the drawings attached to agreement in other words it may be clearly understood that no request for escalation of rates / Price adjustment will be entertained.
9. Client reserves the right to reject any or all tenders or to accept any tender without assigning any reason thereof and is not bound to accept the lowest tender.
10. Quoted rates shall remain valid for three months.
11. Damages for delay, in case of Non-completion of work within specified time would be @ 1% of tendered amount /day (10% max.)
12. Mobilization advance up to 10% of contract value will be made by the Client / Consultant against Bank Guarantee from scheduled bank in Pakistan. Recovery of mobilization advance @ 10% of gross amount from running final bill of contractor. Running payments will be made after checking the bill submitted by the contractor at site by Consultant Engineer.
13. Defect liability period, 12 x months from the completion date.

14. All tests i.e., concrete, bricks, steel, crush, cement, and other materials will be performed by the contractor at his own cost from time to time from GIKI Civil Engineering department or as directed by the client / engineer.
15. Participants shall inspect the site of work and surroundings and shall satisfy themselves before submitting their tenders as to the quantities and nature of works, climatic conditions, the locations, form and nature of the site and the terrain, the requirements and availability of manpower, labors, materials, water, electricity and roads, the means and access to the site,
16. Transportation and communication facilities and in general shall themselves obtain all necessary information as to cost, risks, contingencies, and other circumstances which may affect or influence their tenders. The costs of visiting the site shall be at the tenderer's own expense.

MEMORANDUM

- | | |
|---|---|
| 1. Type of Work to be endorsed on the Package of the tender | construction of Gymnasium / Exercise Hall. |
| 2 Date of issuance of Tender | 06 December 2023. |
| 3 Place of issue of Tender | Office of Deputy Director (Works) GIKI, Topi, Swabi. |
| 4 Place of submission and, opening of Tender | Office of Deputy Director (Works) GIKI, Topi, Swabi. |
| 5 Last date and Time of submission of Tender. | 11:00 hrs, 14 December 2023. |
| 6 Date and Time of opening of Tender | 1130 hrs, 14 December 2023. |
| 7 Date of commencement of work | Within 7 (Seven) days from the date of receiving of assurance of letter of intent |

8	Time of completion of work	06 x Months from the date of issuance of letter of intent.
9	Defect Liability of Maintenance period	12 x Months from the date of substantial completion of the works.
10	Retention money to be deducted from Contractor's Running Bills.	10% (Ten Percent) of gross amount of Work done from each running bill
11	Release of Retention Money.	50% (Fifty Percent) of total retention Money shall be released after issuance Of completion certificate by the Client.
12	Period of honoring interim payment Certificate by the Engineer.	Within 7 (Seven) days after Vetting by Engineer.
13	Amount of Liquidated Damages per day in case of non-completion of works in the period specified In	0.1% (Zero Point one percent) of contract Value per day, including all approved Clause (9) Hereof variations.
18	Period of checking of final bill	within 30 (Thirty) days after the Date of substantial completion of of the works. Contractor must maintain / prepare Measurement Book (MB) as per standards.
19	Venue of arbitration	Rector, GIK Institute, TOPI.
20	Validity of Tender.	30 (Thirty) days

Dated this _____ day of _____ 2023

Signature _____

In the Capacity of _____

Duly authorized to sign tenders for and on behalf of _____

Full Address _____

Witness _____

Technical Evaluation Criteria

Credit Marks shall be awarded based on the following criteria. Minimum qualifying marks are 60.

Sr. No.	Description	Maximum Points
i)	Projects of similar nature completed over last 05 years (5 marks each project)	35
ii)	Projects of similar nature in hand (5 marks each project)	35
iii)	Personnel / HR capabilities with CVs	12
iv)	Machinery & Equipment Capabilities	12
v)	Working Capital in last 3 years with reference to bank statement.	06
	Total:	100

GENERAL CONDITIONS OF CONTRACT.

1. Tenders shall acquaint themselves with the site and site conditions before submitting their tender.
2. Tenders shall be signed by the contractor / proprietor on each and every page of contract document.

3 PROGRAM TO BE FURNISHED.

- 3.1 Contractor shall submit the following in duplicate for the approval of Client / Consultant within four (4) days after receipt of the letter of intent.
- 3.2 Program showing the order of procedure and method in which he proposes to carry out the work
- 3.3 Program shall indicate the proposed dates of starting and completion of construction of various items of works and the probable working hours to be followed.
- 3.4 Contractor may at any time during the period of contract submit to the Client / Consultant for approval proposals for amending program of the work. Such amendments shall not be carried into effect unless the Client / Consultant has approved them.
- 3.5 If the Client / Consultant under the provisions to this clause requires the contractor to amend his program of work the contractor shall not thereby be entitled to any adjustment in contract price and / or extension in completion time
- 3.6 The submission and approval by the Client / Consultant of such program shall not relieve the Contractor of any of his duties or responsibilities under this contract.

4 SUBLETTING.

- 4.1. Contractor shall not assign or sublet the contract or its any part thereof any beneficiary interest therein or there under without the prior written consent of the Client.

- 4.2 Except where otherwise provided in the contract, the Contractor shall not sub-let any part of contract without the prior consent of Client /Consultant (which consent shall not be responsibly with-held) and such written consent if given, shall not relieve the contractor from his /their responsibilities. Contractor shall be responsible for the act of defaults of any sub-contractor, his agents, servants or workman in full as if they were the acts or defaults or neglects of the contractors, his agents, and servant, labor employed by the Contractor on a piecework basis shall not be demand to be sub- letting under this clause.
- 4.3 Client reserves the right to appoint in addition to Contractors, and other Sub-Contractors.
- 4.4 Contractor shall be responsible for the due performance of the work of sub-contractor the discipline of all his sub-contractors. Sub-letting of any portion of work shall not relieve the contractor from his obligation under his contract.
- 4.5 In case the specialized works be awarded to a specialist Contractor and not to the Main contractor then the Main Contractor will so arrange and administer this contract that the work of the specialist contractor proceed with due efficiency and are completed within the contact period stipulated in the contract. In case of any dispute / hindrance in simultaneous working of contractors, the Client / Engineer in-charge will decide accordingly and his decision will be binding on the parties concerned in this respect.

5. PAYMENT

RUNNING / FINAL BILL.

Contractor shall submit running bills to Client on the basis of actual work done by them. One running payment per fortnight can be claimed against physically executed and technically acceptable works at site. Retention amount of 10% will be deducted from Each bill, which will be returned after expiry of defect /liability period.

CORRECTION TO CERTIFICATE FOR PAYMENT.

If at any time during the currency of the contract a certificate for payment is signed by the Client and is found to contain an error or omission such an error or omission Shall be adjusted in the final bill of the contractor or from any other money due to Contractor.

MOOD OF PAYMENT

The payment to the contractor shall be made by crossed check.

5.6 INCOME TAX DEDUCTION

An amount equal to such amount (in present of each bill, as required under the income Tax Law, will be deduction from each bill of Contractor and deposited with the appropriate authorities.

5.7 PAYMENT IF CONTRACT TERMINATED.

If the contract is terminated by the Client, the contractor shall be paid by the Client for all works executed prior to the date of termination, at the rates and Prices provided in the contract.

6 OBLIGATIONS OF THE CONTRACTOR.

- 6.1 Contractor shall make their own arrangements at his own expense for required tools, plants and machinery required for the execution of the work. Any delay on this count could make the contractor liable to penalties impose by the Client commensurate with the loss of work, which may necessitate extension in completion date.

- 6.2 Whenever applicable and necessary, the contractors shall make his /their own arrangements for water required for execution of the work. In such a case no additional extension in completion date.
- 6.3 Contractor shall not deposit any materials on site, which cause inconvenience to the public. the Engineer in charge may require the contractor to remove any materials, which are considered to be a source of danger or inconvenience to the public.
- 6.4 Contractor shall make their own arrangement for storing their belongings and the materials.
- 6.5 Contractor in the course of their works should understand that all materials obtained in the work of dismantling etc., will be considered as owner's property.
- 6.6 The Contractor shall carefully read the drawings and if they have any doubts they should get them clarified from the Architect /Engineer.
- 6.7 The contract must keep an experienced staff (minimum 02 persons), with civil engineering background, who can understand drawing, specifications etc. on the site of the work through the working time.
- 6.8 The Contractor should inspect the site of work and acquaint themselves with the nature and requirement of the work facilities of access for materials, removal of rubbish, etc., before submitting their tenders.
- 6.9 Time allowed for carrying out the work as entered in the tender shall be strictly observed.
- 6.10 To ensure timely completion within the stipulated period, the contractor will be required to maintain record of adequate and proportionate progress of work.
- 6.11 In the event of delay, the contractor/s will be liable to pay damages at the agreed rate for each day of delay beyond the date fixed for completion, provided always that the total amount of damages shall not exceed 10% of the tendered cost of the work. This is further subject to the condition that formal extension of the time for completion has not been granted by the Consultant Engineer.
- 6.12 If found necessary the contractor would apply for extension of time to the client in writing. The application should be submitted at least 15 days before the stipulated date of completion. Factual causes of the delay will be given in the application. If the grounds for extension given by the contractor are found to be responsible, the client shall formally grant extension of time to an extent deemed adequate and necessary. On the other hand, if grounds given for the extension aren't considered plausible and reasonable, Client / Consultant has the right to impose and recover any of the following penalties:
- Rescind the contract after due notice in writing.
 - Forfeit part or whole of the retention money of contractor.
 - Get the balance work executed through any other agency on the risk and the cost of the Contractor.
- 6.13 The Contractor shall execute the whole of the job in a most substantial and workman like manner with regard to quality, speed, material and otherwise, in every respect in strict accordance with the specifications of the work. The work executed shall also confirm exactly, full and faithfully to the

designs, drawings instruction in writing relating to the work, drawings instructions in writing relating to the work and kept in his office, and which the contractor/s Shall be entitled to have access to at normal office hours and the contractor/sshall, if he /they so desire, be entitled to at his /their own expense to make or cause to be made copies of the specifications, and all such designs, drawingsand instructions as aforesaid . In the event of any ambiguity, lack of details of differences in the interpretation of any items of work, specifications relating to such items shall be followed and considered final.

7. SETTLEMENTS OF DISPUTES:

All disputes and differences of any kind whatsoever arising out of or in connection with the contract or in the carrying out of the work (**whether during the progress of the work of aftertheir completion and whether before or after the termination, abandonment or breach of the contract**) shall be referred to and settled by the Rector GIKI, who shall state his decision in writing. Such decision may be in the form of a final certificate or otherwise. The decision of the Honorable Rector with respect to any of the accepted matters shall be final and binding on both parties.

8. SERVICES OF NOTICE

- 8.1 Any notice to be given to the contractor under the terms of the contract shall be served by sending the same by registered post / courier service of delivering the sameat the contractor's principal place of business already on Client /Consultant record.
- 8.2. If any notice is not received by the contractor at his business address due to non- delivery by post office, or any other reasons (s) beyond the control of the Consultant, then Consultant will not be responsible for non-delivery.

9. AMENDMENTS AND ACCEPTANCE OF CONTRACTOR'S WORKS.

- 9.1 Director (Engineering Projects) shall have the powers to make any alternation, omissions, additions or substitutions in the original specifications, drawings, and designs during the progress of the work. Contractor shall be bound to carry out the work in accordance with the instructions which may be given to him in writing by the Engineer and such alterations,omission additions, or substitutions shall not invalidate the contract.
- 9.2 Any added, altered or substituted work which the contractor may be directed to do in the manner above will specified to be will carried out as part of the work on the sameconditions in al respect on which he agreed to do the main work and at the same ratesas are specified in the tender for the main work.

On the request of the Contractor, the proportionate extension in time will be grantedfor the added or altered work. In this regard the decision of the Engineer shall be deemed to be final.

In case the added, altered or substituted work includes any class of work for which norate is specified in the contract then such item of work shall be carried out by mutual agreement in advance keeping in view the prevailing market rates of men andmaterials.

If at any time after the award of work or after the commencement of work Engineer shall by any reason whatsoever not require the whole of the work (specified in the tender) to be carried out, the Engineer in-charge shall give notice in writing to the contractor who shall have no claim to any payment of compensation whatsoever on account of profits or advantage which he did not derive as consequence of the work not got

carried out.

If at any time it appears to Client /Consultant or its authorized person that any work has been executed with unsound, imperfect, or unskillful workmanship or with materials of inferior quality and not in accordance with the contract the contractor shall on demand in writing form the Engineer rectify, remove and / or reconstruct the work, in whole or in part as the case may be provided other proper and suitable materials or articles at his own cost.

In the event of Contractor's failure to rectify /remove / reconstruct the specified items within a given period by Engineer in his aforesaid written demand, the contractor shall be liable to pay compensation at the rate of 1% of the contract amount for every daywork delayed, not exceeding Ten days.

In the event of continuous failure on the part of contractor beyond ten days, the Engineer will arrange to get the required work done through any other Contractor, at the risk and cost of the Contractor in all respects.

10 SUSPENSION OF WORK

Contractor shall on the written order of the Client /Contractor (herein to as Suspension Order) suspend the progress of the works or any parts thereof for such time and in such manner as the Client / Contractor may consider necessary and shall during such suspension period, properly protect and secure the work so far as instructed by Client /Consultant. No claim whatsoever will be entertained by Client / Contractor against such a suspension order.

11 ABANDONMENT OF WORK

Client / Consultant shall have the right to discontinue or drop the work under this contract, whether in progress or otherwise and to revoke the agreement without assigning any reason thereof by giving 7 days' notice. In that event, the contractor shall have no claim for damages or compensation of any kind whatsoever. He shall however be entitled to receive actual cost for the actual work provided and work completed by the contractor if found satisfactory.

12 TERMINATION OF CONTRACT.

Notwithstanding anything contained hereto in the event of the rate of progress of the work being such that in the opinion of the Client / Consultant or his representative the work cannot be completed by the prescribed time or the extended time or /and the quality of the work of the contractor is not in accordance with the contract then the Client /Consultant shall have the power to terminate the contract after expiry of written notice of 15 days and /or withhold his payment or any other payment due or which may become due been constructed / completed in the manner laid down in the contract and that the Contractor shall be liable for any loss or damage which the Client / Consultant may sustain on that account and for forfeiture under the contract.

13 INSPECTION OF SITE

13.1 All works under or in the course of execution or being executed in pursuance of the Contract shall at all times be open to inspection and supervision by the Client / Consultant and their authorized representatives. Contractor shall at all time during usual working hours and at all other time at which the responsible notice of intention of the Engineer or his representative to visit the work shall have been given to the contractor, they will arrange to have a duly accredited agent to be present at the site to receive orders and instructions. Orders given to the contractor's agent shall be deemed to have the same force if they are given to the contractor.

13.2 The supervision and inspection of the work by the Client's representative does not relieve the contractor of this full responsibilities and liability of careful and befitting execution of the work in strict accordance with the

plans and specifications.

14 COMPLIANCE WITH STATUTES, REGULATIONS ETC, FAIR WAGES CLAUSE AND LAW GOVERNING EMPLOYMENT OF LABOR.

- 14.1 Contractor shall confirm in all respect with the provisions of all Central, Provincial and local Laws, regulations etc. for the time being in force in Pakistan including all regulations and by laws of if any local or other duly constituted authority within Pakistan which may be applicable to the performance of this contract and the rules and regulations of all public bodies and companies whose property or rights are affected or any be affected in any way by the works or any temporary works and shall give all notices and pay all fees required to be given or paid thereby and shall keep the Client indemnified against all penalties and liabilities of any kind for breach of any of the same.
- 14.2 The employment of labor shall conform to the laws of Pakistan and in accordance with the local customs. The regulations aforesaid shall be deemed to be part of this contract and any breach thereof shall be a breach of the contract.
- 14.3 Client / Consultant shall not be liable for any damage or compensation payable according to law in respect or in consequence of any accident or injury to any workman or others in the employment of the contractor.
- 14.4 If the contractor or his work people shall break, deface, injure or destroy any part of a building in which they may be working or if any damages shall happen to the work while in progress from any cause whatever, or any imperfections become apparent within six months after completion, the contractor shall make the same to be made good at his own expenses.

15 CONDITIONAL TENDERS NOT BE CONSIDERED.

Tendered rates or amounts should be inclusive of all taxes payable to the Central and Provisional Government or local bodies and no claims on this account shall be entertained by the Client / Consultant.

Tendered rates shall be inclusive of all lead and lift. Contractor's rate shall include all incidental charges in connection with the work. No alterations or additions shall be made by the contractor in the schedule of quantities and rates. These must be filled in with ink or typed out clearly and legibly in the columns provided in the schedule of quantities. The contractor must initial all corrections. Any tender which does not comply with this condition, will be liable to be summarily rejected. In case of difference between rates and amount the figures for rates will be taken as authentic and correct.

16 COMPLETION OF WORK AND SITE HANDING OVER.

After completion of work, contractor undertakes to have the site clean free from rubbish / debris to complete satisfaction of client / Engineer.

On completion of work or earlier as directed by the Engineer, contractor shall remove all temporary structure erected at the site of work. He shall fill tanks dug out by him at site, remove all debris and other materials like surplus sand, stone, ballast, rubbish etc., and in short shall leave the site in 3 neat and tidy conditions.

17 MEASUREMENT

The contractor will quote his rates as per BOQ / per Sq.m basis and work to be executed by the contractor in fulfillment of his obligations under the Contract. Contractor must maintain / prepare Measurement Book (MB) as per

standards.

WORKS TO BE MEASURED.

The Consultant shall accept as otherwise stated, ascertain and determine by measurement the value in accordance with the contract. Engineer shall when he required any works to be measured, will give notice to the Contractor who shall forthwith attend or send a qualified agent to assist the Consultant or their representative in taking such measurement and shall furnish all particulars required by either of them. Should the Contractor not attend or fail to send such agent, then the measurements taken by the Consultant representative shall be taken as correct measurement of the works. For the purpose of measuring any work, contractor's agent or his representative shall prepare measurements records on monthly basis.

If after examination of such records the Contractor does not agree with the same or does not counter sign the same as agreed they shall within 7 (Seven) days of such examination lodge with the Client /Consultant or their representative a notice in writing in respect of such records as area claimed by him to be incorrect. However, the decision on measurement by Engineer will be final.

PART 1- LIST OF MATERIAL TO BE USED FOR CONSTRUCTION OF CIVIL WORKS, PLUMBING AND ELECTRICAL

Section-1 (Civil Works)

- a. Cement for R.C.C Wall, foundation & Situ Wall etc OP/SRC make KOHAT/FAUJI/LUCKY.
- b. Cement for C:C Flooring and Plaster works OPC make KOHAT/FAUJI/LUCKY.
- c. Brick 9" x 4 ½" x 3" of 1500 Psi Strength.
- d. Steel Nomi / ITEHAD/ FF/ STEEL /AMRELI STEEL/ Pak STEEL, any reliable company up to 60000/40000 PSI.

Section II, (Plumbing Works) PPRC Pipes and Fittings.

- a. PPRC Pipes for water supply, Firat, vesbo, ILL, plasco. Alpha
- b. UPVC Solution join for sewerage, JEDDAH POLYMER, PAK ARAB STEELEX, DADAX, PLASCO.

Quality and Standard of all plumbing materials should be up to the international standard

Section III (Electrical Works):

- a. Pipes for electrical conduits make PRINCE, JEDDAH PVC, ALPHA.
- b. 3" X 3" Metal back boxes (Reliable Company)
- c. Switches & Sockets make CLIPSAL E-200 Series.
- d. Cable & Wires make FAST CABLES, PAKISTAN CABLES.

18. METHOD OF MEASUREMENT

The measurement shall be taken in accordance with the standard method of Measurement of Building Works. Contractor must maintain / prepare Measurement Book (MB) as per standards. In case of any extra item /works completed by the contractor on the instruction of the Engineer and not covered in the Drawings than the general policy of measurement consisting of materials cost, labor charges, transportation /cartage and 15% profit will be adopted. Contractor shall however, produce the rates analysis of additional items supported by the relevant documents /invoices for verification of the Consultant's representative.

FORM OF AGREEMENT

THIS AGREEMENT is made on the _____ day of ____ Between
(Name of Employer) _____ Employer”, of
one part and (Name of Contractor) _____ of _____ (Mailing
address of Contractor”) of the other par.

WHEREAS the Employer is desirous that certain Works should be executed. viz
_____) by letter of acceptance date:
(Date of letter of Acceptance) _____, accepted a bid by the
Contractor for the execution. Completion and maintenance of such
Works, NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement words and expressions shall have the same meaning as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
 - a) Contract Agreement;
 - b) The letter of Acceptance.
 - c) The said bid with priced bill of quantities and addenda (if any).
 - d) Instructions to bidders.
 - e) Special Stipulations
 - f) Drawings
3. The aforesaid documents shall be taken as complementary and mutually explanatory of one another, but in the case of ambiguities or discrepancies shall take precedence in the order set out above.
4. In consideration of the payment to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute, complete and maintain the Works in conformity in all respects with the provisions of the Contract.
5. The Employer hereby covenants to pay the Contractor in consideration of the execution, completion and maintenance of the Works the Contract Price at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF, the parties hereto have caused their respective Common Seals to be hereunto affixed (or have hereunto set their respective hands and seals) the day and year first above written

Signed, Sealed and Delivered.

By the said: _____	By the said: _____
Name: _____	Name: _____
On behalf of Contractor: _____	On behalf of Client: _____
Name: _____	Name: _____
Address: _____	Address: _____

Date: _____

Date: _____

Witness

no. 1: _____ (Name & Signature)

Witness no. 2: _____
(Name & Signature)

BILL OF QUANTITIES FOR
CONSTRUCTION OF G I K GYM

Sr	Description	Qty	Unit	Rate (Rs)	Amount
Sub Structure / Footing Upto FFL					
1	Excavation as in Hard Soil upto 1.50 M depth , in foundation and pipe trenches upto 1.50 M wide, in shafts, wells and independent holes upto 30 sqm each and throw earth clear of edges of excavation within 10m complete all as specified.	111.89	Cum		
3	Termite proofing of New buildings with approved chemicals except joinery complete all as specified.	137.87	Sqm		
4	Bottoming /sub base of any thickness as specified using Granular Sub Base material , laid and compacted to 100% Modified AASHTO density by appropriate compaction equipment and roller complete all as specified.	25.00	Cum		
5	Providing and laying of lean concrete using crushed or broken stone graded 1:3:6 complete all as specified.	7.94	Cum		
6	Providing and laying of RCC with 3000 psi compressive cylindrical strength in foundations , independent column footings, and rigid floors etc. including form work complete all as specified.	16.85	Cum		
7	Providing and laying of RCC with 3000 psi compressive cylindrical strength in different structural elements i.e. columns , beams, stairs, posts, struts, piers, lintels, and the like including form work, complete all as specified. Reinforcement measured and paid separately. (Columns Upto FFL)	2.78	Cum		
8	Burnt brick work, in wall over 115 mm thick , laid and jointed in CM 1:3 , straight or to curve with inner radius of 6m and over, upto 4.25 m depth complete all as specified. (Upto R.L)	11.76	Cum		

9	Burnt brick work, in wall over 115 mm thick , laid and jointed in CM 1:3 , straight or to curve with inner radius of 6m and over, upto G.F roof level complete all as specified. (R.L to FFL)	8.71	Cum		
10	Supply and fix hold fast, guard bars, Straps for wooden trusses, holding down bolts with washers, ladders, railings, brackets, pipe supports, tie rods and balusters, chimney bars, chains, rings shackles, hinges and type, grating or gullies, etc. including forging, letting in to stone or brick work etc: complete, by welding in lieu of riveting/bolting etc. (Flat Iron Ties)	31.21	Kg		
11	Providing and laying of RCC with 3000 psi compressive cylindrical strength in different structural elements i.e in roof slabs, landings, walls, plinth beams and bands etc. including form work complete all as specified. Reinforcement measured and paid separately. (Plinth Beams)	2.62	Cum		
12	Earth filling as in Ordinary or hard soil, filling in foundation , pipe trenches, shafts, wells, independent holes, under floors or around plinths etc., 1.50 M below or above Ground Level (GL), with spoil obtained from excavation in trenches/over areas within 50M including watering and compaction in 150 mm layer and dressing to required profile and shape complete all as specified.	109.15	Cum		
13	Dispose off Surplus material like earth etc from site, Load "materials" (like excavated soil / rock, demolished brick bats, bricks, sand and bitumen etc.), by any means upto 1000 M, unload and stack or spread complete all as specified.	71.29	Cum		
14	Providing and laying of sand cushion under floor complete all as specified.	14.45	Cum		
15	Providing and laying PCC 1:3:6 , laid under floor using crushed or broken stones complete all as specified.	14.45	Cum		
A- Total Amount For Footing Upto FFL / Sub Structure Rs					

Super Structure					
1	Burnt brick work, in wall over 115 mm thick , laid and jointed in CM 1:3 , straight or to curve with inner radius of 6m and over, upto G.F roof level complete all as specified.	40.10	Cum		
2	Supply and fix hold fast, guard bars, Straps for wooden trusses, holding down bolts with washers, ladders, railings, brackets, pipe supports, tie rods and balusters, chimney bars, chains, rings shackles, hinges and type, grating or gullies, etc. including forging, letting in to stone or brick work etc: complete, by welding in lieu of riveting/bolting etc. (Flat Iron Ties)	78.03	Kg		
3	Providing and laying of RCC with 3000 psi compressive cylindrical strength in different structural elements i.e. columns, beams , stairs, posts, struts, piers, lintels , and the like including form work, complete all as specified.	11.17	Cum		
4	Providing and laying of RCC with 3000 psi compressive cylindrical strength in different structural elements i.e in roof slabs , landings, walls , plinth beams and bands etc. including form work complete all as specified. Reinforcement measured and paid separately.	35.50	Cum		
5	13mm thick cement plaster 1:4 finished as specified. (Ceiling)	166.88	Sqm		
6	13mm thick cement plaster 1:4 finished as specified. (Internal Walls)	161.07	Sqm		
7	13mm thick cement plaster 1:4 finished as specified. (External)	392.06	Sqm		
8	Providing and laying, PCC 1:2:4 floor, smoothly finished, complete all as specified.	4.30	Cum		
9	Providing and laying 20 mm thick Standard quality granite tiles (Indus gold, Tropical), of any size, including setting, jointing, pointing and chemical polishing over 13mm thick cement plaster (1:4) as rendering complete all as specified.	34.62	Sqm		

10	Supply and fix, 12mm thick Plate Glass partition/door in any size including all necessary accessories i.e. pivot machine, handle lock etc complete all as specified.	15.78	Sqm		
11	3 x Coats of painting on new work such as walls including all detached attachment with Plastic Emulsion paint incl surface preparation by using putty on plastered wall or ceiling to form smooth base for plastic emulsion paint etc complete all as specified.	327.95	Sqm		
12	3 x coats of weather shield paint on exterior wall on new surface. (Buxlay, Burger / eqv)	392.06	Sqm		
13	Supply of Aluminium Sliding window, Premium Quality, of Anodized Aluminium extruded section in any size, colour and texture as specified, including fixing on concrete, wood or steel frames, complete with all necessary fittings incl 5mm thick tinted glass as DG Section complete all as specified.	20.44	Sqm		
14	Supply of Aluminium fly/ insects screening with mesh (Deluxe and premium model), of Anodized extruded section including fixing on concrete, wood or steel frames with all necessary fittings, complete all as specified.	15.24	Sqm		
15	Supply and fix, Steel Chowkat press-moulded 16 SWG, for 200 mm walls , single leaf, complete, including hold fast, ties for lateral movement, PCC 1:2:4 cavity filling etc, including one coat of anti-Creosote paint (internal surface) and Red oxide paint (external surface) complete all as specified.	5.79	Metre		
16	Supply and fix 38mm thick 1st Class Soft Wood (Deodar) Framed and Panelled doors , gates etc., panels filled with MDF 16 mm sheet, including hold fast and mongery and Wax polishing on Both Sides complete all as specified (except chowkats).	2.79	Sqm		
17	Supply and fix Rim / Alpha lock Premium Quality, all as specified complete all as specified.	1.00	Each		
18	Supply and fix, fillets not exceeding 12.90 sqcm sectional area of 1st Class softwood (Deodar) wrought and fixed with screws incl 3 x coats of Syenthic Enamel Paint complete all as specified.	11.58	Metre		

19	Termite proofing of wooden joinery, with approved chemical complete all as specified.	26.48	Sqm		
20	Supply and fix, u-PVC, Soil and waste pipe 110 mm dia, complete, with plain end and solvent cement joint complete all a specified.	20.73	Metre		
21	Supply and fix Socket 110 mm dia complete with solvent cement joint complete all a specified.	4.00	Each		
22	Supply and fix, uPVC Elbow/bend, 90° 110 mm dia, complete with solvent cement joint complete all a specified.	8.00	Each		
B- Total Amount For Super Structure Rs					
Steel Gd-60 & 40					
1	Supply and fix bars round, using deformed bars grade - 40 including cutting, bending, binding and placing reinforcement in position.	3988.56	Kg		
2	Supply and fix bars round, using deformed bars grade - 60 including cutting, bending, binding and placing reinforcement in position.	6602.31	Kg		
C- Total Amount for Steel Rs					
Grand Total Amount for Civil Works (A~C) Rs					

ELECTRICAL WORKS

Item	Description	Unit	Qty	Unit	Total
No.				rate	Amount
				(Rs.)	(Rs.)
(i)	(ii)	(iii)	(iv)	(v)	(vi)
	Design, manufacturing, Supply, installation, Testing and commissioning of the following BOQ items of systems (unless specifically mentioned/ stated elsewhere/ otherwise), including all material, labour, tools, plants, accessories required for proper completion of each items as described hereunder, as per tender specifications, tender drawings, as per site requirements and as directed by the Engineer.				
	<u>SECTION - A</u>				
	<u>LT DISTRIBUTION BOARD</u>				
	Distribution board designated DB shall be made from 16 SWG sheet steel. The DB shall be designed, fabricated & manufactured as a recessed type. The sheet metal work shall be cleaned down to bare shining metal degreased, derusted & painted with TWO base coats of antirust RED paint. The sheet metal work shall be finished in TWO coats of powder paint. The colour and shade shall be as approved by the Engineer. The distribution Board shall be complete with all internal wiring, tags, identification labels, TPN & E copper busbars, accessories etc. The DB should be provided with the armoured glands. The bus-bars shall be insulated in RED, YELLOW, BLUE and BLACK insulations, The insulation shall be heat shrinkable type or as directed by the Engineer.				
	<u>DISTRIBUTION BOARD-DB-01</u>				
	<u>INCOMING</u>				
	01-40 Amps TP MCCB RC=18KA				
	06 - 2 Amps Protection fuses.				
	03- R-Y-B indication lamps.				
	01 - 0-500 VAC Voltmeter				
	01 - Voltmeter selector switch				
	01- IP Energy Analyzer				
	<u>OUTGOING</u>				
	03- 30 Amps DP ELCB Adj.				
	12- 06 Amps SP MCB RC=10KA				
	27- 10 Amps SP MCB RC=10 KA				
	06-16 Amps SP MCB RC=10 KA	Job	1		
	Total Cost of Section -A = Rs.				
	<u>SECTION - B</u>				
	<u>LIGHTING & OTHER FIXTURES</u>				

A-02

	Supply, installation, testing & commissioning of the following types of light fixtures including electronic ballast, Color 84 TL lamp, internal wiring complete with all mounting accessories as acceptably supplied and installed and as approved by the Engineer.				
B-01	20 Watt Slim LED light with built-in driver, Colour 84, and ceiling recessed mounted type or equivalent as approved by the Engineer.	No.	40		
B-02	3 Watt LED rope light, IP-65 rated Philips make or equivalent as approved by the Engineer.	Mtr.	120		
B-03	Supply, installation, testing & commissioning of 20 inch dia Bracket fan. The Bracket fan shall comprise circular fan body metallic fan blades, down rod of suitable dia & length, AC capacitor, internal wiring, terminals all installation & operational accessories as per tender specifications, as per site requirements and as directed by the Engineer.	No.	15		
B-04	Supply, installation, testing & commissioning of 16 inch dia Decorative-Exhaust fan. The fan shall be suitable to give an air displacement of minimum 1545 Cu. Ft/min. The fan shall comprise circular fan body metallic fan blades, AC capacitor, internal wiring, terminals all installation & operational accessories as per tender specifications, as per site requirements and as directed by the Engineer.	No.	6		
Total Cost of Section - B = Rs.					
SECTION - C					
WIRING IN CONCEALED CONDUITS					
C-01	Wiring of light circuit from Distribution Board to switch, with Three nos. single core 2.5 Sqmm PVC insulated 450/750 volts grade solid/standard copper conductor cables in concealed PVC conduits (conduits partly shared) including PVC conduit, and conduit accessories etc.	No.	9		
C-02	Wiring from switch to light or fan point with 3 nos. single core 1.5 Sqmm PVC insulated 450/750 Volts grade solid or standard copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc. (conduit partly shared).	No.	36		
C-03	Wiring from switch to switch with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts grade solid or standard copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc. (conduit partly shared).	No.	16		
C-05	Wiring from point to point with 3 nos. single core 1.5 Sqmm PVC insulated 450/750 Volts grade solid or standard copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc. (conduit partly shared).	No.	31		

C-06	Wiring of circuit from Distribution Board to 05A,230Volts with 3 nos. one core 2.5 Sqmm PVC insulated 450/750 Volts graded , 2&3 pin switched socket, solid or stander copper conductor cables in concealed PVC conduit, including conduit accessories, etc(conduit partly shared)	No.	17		
C-07	Wiring from 5 Amps, 2&3 pin socket to socket with 3 nos. one core 2.5 Sqmm PVC insulated 450/750 Volts grade solid or stanerd copper conductor cables in concealed PVC conduit including PVC conduit,Conduit accessories, etc complete. (conduit partly shared)	No.	8		
Total Cost of Section - C = Rs.					
<u>SECTION - D</u>					
<u>WIRING ACCESSORIES</u>					
Supply, installation & connection of following accessories on 1.5 mm thick sheet steel powder coated back boxes recessed in wall, complete in all respects:					
D-01	10 Amps, 250Volts one way, One gang light control switches including appropriate size concealed back box.	No.	15		
D-02	10 Amps, 250Volts one way, Five gang light control switches including appropriate size concealed back box.	No.	1		
D-03	5 Amps, 250Volts, 2 & 3 pin switched socket unit round pin including appropriate size back box.	No.	24		
D-04	13/15 Amps, 250Volts, 2 & 3 pin switched socket unit, including appropriate size back box.	No.	10		
Total Cost of Section - D = Rs.					
<u>SECTION - E</u>					
<u>LV CABLES AND CONDUITS</u>					
Supply,laying,connecting,testing and commtssioning of Multi core/single core copper conductor PVC/PVC cables cable tray or in PVC conduit/ on cable tray or buried in ground including excavation, backfilling, complete in all respect.					
Actual length of cables to be installed shall be measured at site by the Contractor before placing the order with the manufacturer and shall be paid accordingly however approximate length of cables are shown herewith.					
E-01	10 mmsq four core PVC//PVC Cu Stranded Cable	Mtr.	35		

	Providing, laying and installation of following PVC conduits complete in all respects including bends, elbows and connecting accessories complete in all respect.				
E-02	2" dia PVC conduit	Mtr.	5		
E-03	3" dia PVC conduit	Mtr.	35		
	Total Cost of Section -E = Rs.				
H-06	<u>Junction Box</u>				
	Supply and fabrication of close circuit junction boxes 16 SWG to be concealed in wall with 2 coats of antirust paint, earthing terminal, complete in all respects.				
	a)CCTV junction boxes of appropriate size 8"x14".	No.	1		
	Total Cost of Section -H = Rs.				
TOTAL VALUE OF ELECTRIC WORK					

SUMMARY

CONSTRUCTION OF GYM AT GIK INSTITUTE

S.No	Description	Amount (Pak Rs) Inclusive of all taxes
1	Civil Works	
2	Electrical	
	Grand Total	